



Carmel Area Wastewater District
Final Budget
July 1, 2022 – June 30, 2023

Carmel Area Wastewater District

2022-23

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

Mission Statement

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



Carmel Area Wastewater District

Budget Acknowledgements

Budget Committee

Robert Siegfried, Director

Greg D'Ambrosio, Director

Barbara Buikema, General Manager

Chris Foley, Maintenance Superintendent

Management Team

Daryl Lauer, Collection Superintendent

Ed Waggoner, Operations Superintendent

Chris Foley, Maintenance Superintendent

Rachel Lather, Principal Engineer

Patrick Treanor, Plant Engineer

Carmel Area Wastewater District 2022-23

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Message from the General Manager



Message from the General Manager

June 30, 2022

Honorable President and Members of the Board of Directors:

Enclosed is the Fiscal Year 2022-23 Preliminary Budget. This budget reflects the realities of operating during a period of continued change at Carmel Area Wastewater District (CAWD). It reflects operating during a global pandemic and all the challenges associated with it. Finally, it reflects our full commitment to serving existing and future generations in the most efficient manner possible, while protecting both the public health and the environment. There is saying that may or may not have originated as a Chinese curse, but certainly applies to modern day CAWD. “May he live in interesting times”. Embedded in this saying is an expectation that not only does change take time but there is also inherent stress for the persons involved in it. While the suggestion that this saying originated as a Chinese curse seems fanciful, it does not represent our modern understanding of the phrase. I would have to say that in today’s world, it isn’t considered a curse, it is quite to opposite. Here at CAWD we have embraced the phrase as we have certainly embarked upon some of the most interesting and exciting times at one of the oldest sanitary districts in the state.

The one overarching feature of the past two years has been the pandemic. We went into lock-down mode in March of 2020 and while we have loosened up those regulations, we are still mindful of the potential for virus spread and are cautiously optimistic about coming fully out of COVID-19 lockdown. While most of the public has been working remotely, our people have continued to come to work every day to keep our facilities running smoothly. The pandemic has created an astonishing amount of havoc with our supply chains. Just about everything takes longer to receive – in some cases months longer. Nonetheless, we are still pushing forward and serving the public. One of the impacts of the pandemic is that we have a great deal of pent-up demand among our employees – they want to get out and meet the public, attend educational conferences, and just be free from masking up.

We have had only two confirmed cases of COVID-19 among staff. I believe that it is because of the caution and careful planning that has been practiced that we were able to weather the pandemic so well.

Budgeting for the present and the future

We continue to move forward on many fronts even as the pandemic lingers in the background. The River Watch Settlement agreement allowed us three (3) years to video all lines in the system. We have nearly completed all CCTV work and examined all manholes and pump stations. Hard, time-consuming work, but it turned out to be a valuable exercise. Now our engineer is at work converting CCTV data into a report for submission to River Watch.

We are also addressing both River Watch and our collection system reliability with a 15 year budget of \$63M for line replacements. This is not to suggest that we will stop replacing lines after 15 years; however, it makes a significant dent in the system. We will continue to build out based on line condition and location.

At the treatment facility we are in year #2 of the Electrical/Mechanical Rehab & Sludge Holding Tank Project. This is a \$10.2M project intended to update various section of the facility (Influent building, Headworks, Chlorine Analyzer Building, Effluent Building, and Sludge Holding tank). After this project is complete, we are assuming a greatly decreased need for new projects at the plant. Our objective is to stretch out the lifespan for thirty years.

We continue to work with the County of Monterey on an agreement for the Carmel River Floodplain Restoration and Environmental Enhancement Project (CRFREE). The project involves the undergrounding of the CAWD pipelines under the lagoon to mitigate impacts from the Monterey County floodplain project. We are currently working on the engineering design/environmental/permitting under a grant from the California Coastal Conservancy. We are also working with Monterey County on an agreement to move forward with the construction portion of this project and waiting for confirmation of FEMA funding.



Collections VacCon Truck

So where are we going with the 2022-23 budget? We remain committed to rehabilitating and replacing worn out assets and preparing for the future. We acknowledge that we have significant challenges ahead but believe that with early and consistent planning we can manage them.

Over the next 15 years we have projected an additional \$14M in various projects at the treatment plant. That number is likely on the low side because as you get further out from the current date the unknowns become more amplified. What we do know is that we have between 30-40 years at

our current location in the Carmel Lagoon and then we will have to solve the problem of sea level rise at the facility. We are not completely sure yet what the future looks like, but we have started planning for it now. Any decision on the future of the plant, whether it be moving from its current location or connecting to Monterey 1 Water will require significant analysis of all alternative and public input. Until that time, we think that this current rehabilitation at the plant is a prudent decision. In the next 30-40 years we believe we will need to cycle through one more rehabilitation of the facility, after that point it may be more prudent for the District to operate on a run-to-fail basis. We will not compromise operational effectiveness or risk environmental damages, but if we are moving from our current location then at some point, we need to make the decisions to abandon the current site.



Hwy 1 Plant Entrance

CAWD's Future

I have given the reader an outline of work being done in both the collection system and at the treatment facility; however, I believe the most significant challenge we are facing is following through on the Coastal Commission's requirement the treatment plant be moved away from the coastline. Moving a treatment facility valued in excess of \$150M is indeed a significant challenge and I believe circles back to my opening "May we live in both interesting and exciting times".

Much of the next twenty-five years will be devoted to moving away from the coastline. For a small agency the cost will be enormous – that is why we are planning now. Some may say that we should simply wait, and that money will be available in twenty-five years from the state or the federal government. Perhaps, but we think that may be wishful thinking. If it is available, we will certainly take advantage of it. But if it is not, then we are prudent to plan carefully now.

Here, in brief, is how we are looking at our future using current dollars:

- We must continue to fund annual operations. Currently about \$8.5M per year for operations only. That number will continue to increase each year. The capital budget is a separate fund and should probably cover \$4-6M annually. Remember that we will need to cover \$63M for the collection system and \$14M for the treatment works.
- Whether we move the plant or connect to Monterey 1 Water we have done a preliminary cost estimate and believe we will need roughly \$100M. This number actually lines up quite well with the new plant recently constructed in Morro Bay which was \$126M. We will certainly not have that much cash funding available, but we will be able to borrow, and we are therefore planning on having 20-25% available for a local match.
- If we are able to purchase land that would be an appropriate location for a new facility, we believe the District should go ahead and make a purchase. Interest rates for funds on deposit are disappointingly low and if necessary, we believe there would be little problem selling the land at later date. Estimate \$7-8M to cover land purchase, environmental, and regulatory costs.
- The District has opened a Section 115 Trust account with CalPERS to fund the Unfunded Accrued Liability from CalPERS. We have spent roughly 1.3M for the UAL the first 15 years of CalPERS membership, so we are roughly estimating that CalPERS will perform in a similar fashion over the next 15 years. Plan on funding \$100K per year.
- The Coastal Commission permit requires not only that we move the treatment facility but that we return the existing site to its natural riparian habitat. Much depends on how they define “return”. Will we only need to demolish existing structures? Or will we have to remove underground piping? Unknown at this time, but we are estimating \$5-6M
- We will need to build a pump station at the existing site or close by to move wastewater to its new location. The entire system is designed to operate via gravity, hence the current location. Now we are potentially going to move to another location that is anything, but gravity driven. Therefore, we will need to pump to that location. Estimated cost \$10M.
- CalPERS Termination liability – in thirty years we do not know what will happen to our employee staff. We can plan for either CAWD to continue at its current location or it may connect to Monterey 1 Water. If it connects to Monterey 1 Water, there is no guarantee that they will transfer all of our employees. If they decline, then we would need to pay CalPERS a Termination liability. Currently estimated at \$12M, but we are saying we should

be prepared for \$10M.



Calle la Cruz Pump Station

- If we are a collection only district, connected to Monterey 1 Water and only the collection function remains as CAWD, then we need to leave them a “bank” or reserve of cash so that they can function as an ongoing concern. Once they are setup and functioning, they can manage their future and charge appropriate rates, but it is not reasonable to assume they start at zero. Additionally, they will need a corporate yard – a place to park all the vehicles and store equipment. Estimate \$10M

Even with this brief list of challenges, it’s clear that “interesting times” may be an understatement. The challenges in front of your Board of Directors and wastewater staff are significant and will potentially change the way we currently operate. There may be new technology in the next thirty years that changes our assumptions listed here – but we have to start planning. We will adjust our assumptions and planning as the path becomes clearer no doubt. In fact, I suspect we will make many changes over the next three decades.

As we move forward, we remain committed to ensuring we meet our permit guidelines, remain protective of the public health and environment, and reduce sewer overflows in the most cost effective way possible. We take the District’s Mission Statement seriously and put those goals first. We will continue to provide value to all our customers in a manner that stands up to a comparison with *any* wastewater district in California, as measured by cost and level of service. For the last two years we have cut our operating budget due to COVID-19 recognizing that the pandemic provided our ratepayers with financial stressors. However, that is not something we can continue doing indefinitely, postponed operational maintenance is like kicking the can down the road – not a particularly viable plan over the long term. And one that pays little attention to the challenges we know are coming at us. The decision to move the facility is not taken lightly. We know some

people are still skeptical of sea level rise. But regardless of their skepticism, the Coastal Commission is mandating all coastal agencies manage their retreat from the shoreline.



No one likes rate increases. I live in this community along with every member on the Board and I believe we are all sensitive to the impact a rate increase can have on our constituents. But we also recognize that CAWD has been in existence for 114 years and we all want to hand off a well maintained operation to the next generation while doing all that we can to protect the beautiful landscape that we operate in. There can be no question but that all of us benefitted from the Clean Water Grant funds that were available so easily in the 1980s. We built a major portion of our facility using those funds – and every ratepayer in our service area has benefitted. Now, as a sign of the times, that type of grant money is much more difficult to find. That means that our

only option is to pass the cost to current ratepayers or to take on debt. The Budget Committee has expressed a desire not to saddle the next generation of Carmelites with debt until such time as we need to move the facilities due to sea level rise. At that point, the District will likely need to take on significant debt, but we are trying to position ourselves now to minimize the impact. There are significant advantages to all who live and work here in maintaining the investment we have in our treatment facility.

I hope that this summary of the challenges facing the District over the next 30 years points out clearly the need for careful and comprehensive long term planning. The Board of Directors recognizes the impact of rate increases on the community. We also know that without a viable solution to wastewater there really cannot even be a community. That is why we are looking at the long term horizon – we know that we can better control our community’s future if we are in a solid financial position. We will absolutely continue to apply for grant funds, and we likely will take on long term debt at some point; however, having reserves means we have the freedom to make local decisions. We think the ability to make decisions locally is critical.

I would like to thank the Budget Committee for their comments and input at numerous meetings to refine and clarify areas of the budget. My expectation for Fiscal Year 2022-23 is that it will be an extremely busy and productive year for rehabilitating our facility, planning for our future, and providing the quality service our ratepayers and the community rightfully expect. Thank you to the entire Board for its service, support, and guidance.

Sincerely

Barbara Buikema
General Manager



Aerial View of the Facility 2018

Introduction

Budget in Brief



FY 2022-23

Budget-in-Brief

Our Mission

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

Who We Are

Formed in 1908, we are one of the oldest sanitary districts in the state. At the time of formation, we provided septage facilities for the village of Carmel-by-the-Sea. Today we have grown to provide collection, treatment, and disposal of wastewater for 11,000 people within the District and treatment and disposal for an additional 4,500 people in Del Monte Forest as provided for by contract with Pebble Beach Community Services District (PBCSD).

The CAWD collection system comprises approximately 84 miles of gravity sewers ranging in diameter from 6 inches to 27 inches together with nearly 5 miles of force mains, 7 pump stations, and over 1,400 manholes. This budget is reflective of our 15-year capital improvement program to replace or rehabilitate the treatment works, pump stations, and pipeline system.



Aerial Drone Photo 2017

The District's revenue base is split 65.6% residential and 34.4% commercial/retail. The community is fully built out and little changes from year-to-year, although we currently are offering services further into Carmel Valley and the Big Sur area in response to the County's more stringent septic system requirements.

**DIGESTER
CONTROL
BUILDING #2 –
MIXING PUMP
(CONSTRUCTION
COMPLETED IN 2017)**



The plant was designed to treat 4.0 million gallons per day (MGD) of primarily domestic wastewater. At the present time the plant has a permitted capacity of 3.0 MGD. Current average dry weather flow is approximately 1.2 MGD, which represents 40% of permitted capacity. PBCSD contributes approximately one third of our influent flow.

The District treats wastewater to nearly drinking water standards. We reclaim nearly 87% of our influent and return it to the Del Monte Forest where it is used to irrigate seven world famous golf courses including Pebble Beach, Poppy Hills, and Spanish Bay. The costs for treating the water for irrigation use are not borne by the District's ratepayers.

Key Deliverables:

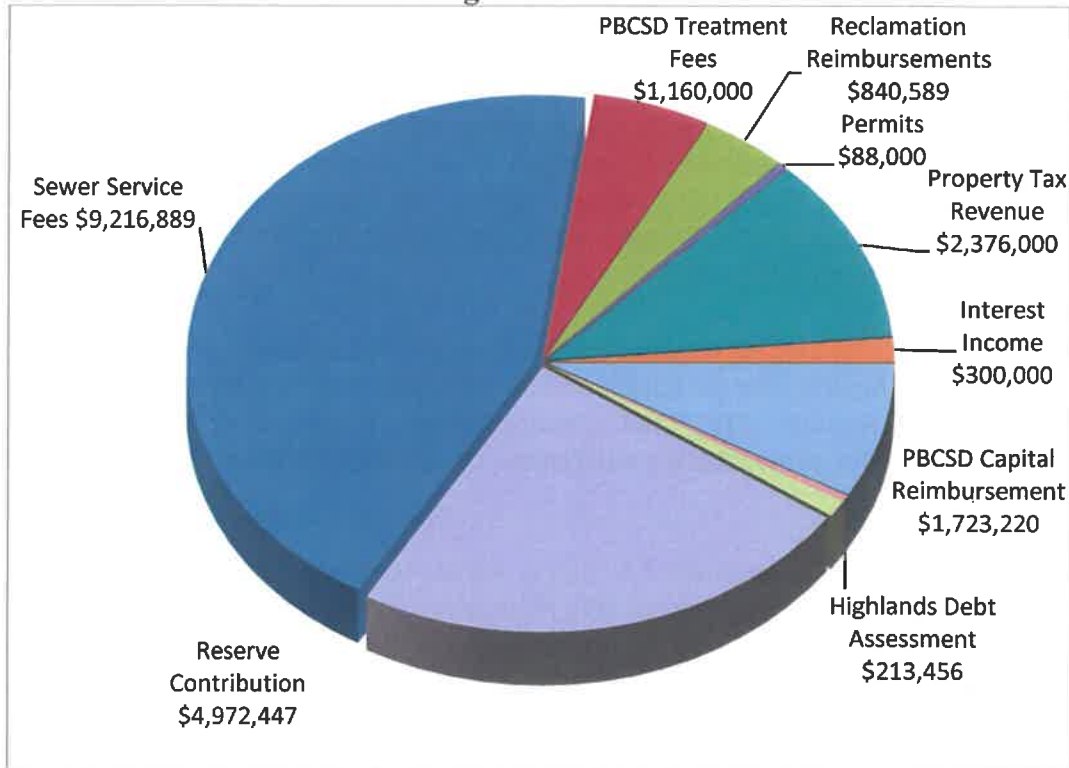
The District's mission is to protect public health and the environment by cost-effectively collecting and treating wastewater and returning clean water to the environment. In District Operations and in our Capital Program, we take our mission seriously and apply it to everything we do. The improvement projects selected by the District were evaluated with a focus on reducing the risk of asset failure while positioning us to achieve our strategic goals. These include:

- Complying with Regulations for current waste discharge permits and positioning for compliance with probable future regulations.
- Protecting the Environment through reliable, efficient, and sustainable treatment of wastewater.
- Reducing Energy Consumption to reduce operating costs and reduce the carbon footprint of the Wastewater Treatment Plant.
- Investing in Safety Practices to reduce the potential for injuries and environmental hazards at the Wastewater Treatment Plant.

- Maintaining Reliability through application of asset preservation and redundancy.
- Supporting the Reclamation Project by reliably supplying secondary treated wastewater to the tertiary microfiltration/reverse-osmosis (MF/RO) plant.
- Enhancing Wastewater Treatment Plant Flood Protection by planning and designing mitigation approaches for flood events.

How is the District Funded?

FY 2022-23 revenue and financing \$20.9 million



Projected Budget Revenues 2022-23

The District receives funding from a variety of sources. They include sewer service fees, treatment fees from PBCSD, reimbursement from the Reclamation Project, property tax revenue, interest income, and funds from the participants in the Highlands Bond issuance that cover all debt service.

Wastewater service fees account for approximately 57% of total budgeted operating revenues for 2022-23. Additional treatment fees from wastewater coming from PBCSD account for another 7% of operating revenues. This combined total of approximately 64.8% represents total operating revenues from the District’s core function of wastewater treatment. The District also receives revenue from non-operating sources, primarily property tax revenue which is 48.5% of non-operating revenue or 14.8% of total revenues. Property tax revenue is received only from those parcels that were part of the District Pre-Prop 13. Post Prop 13 all property tax revenues for any parcel annexed into the District belong to the County of Monterey. Additional non-operating revenues include interest income, brine disposal fees, and reimbursement from both PBCSD and the Reclamation Project for their share of capital projects.

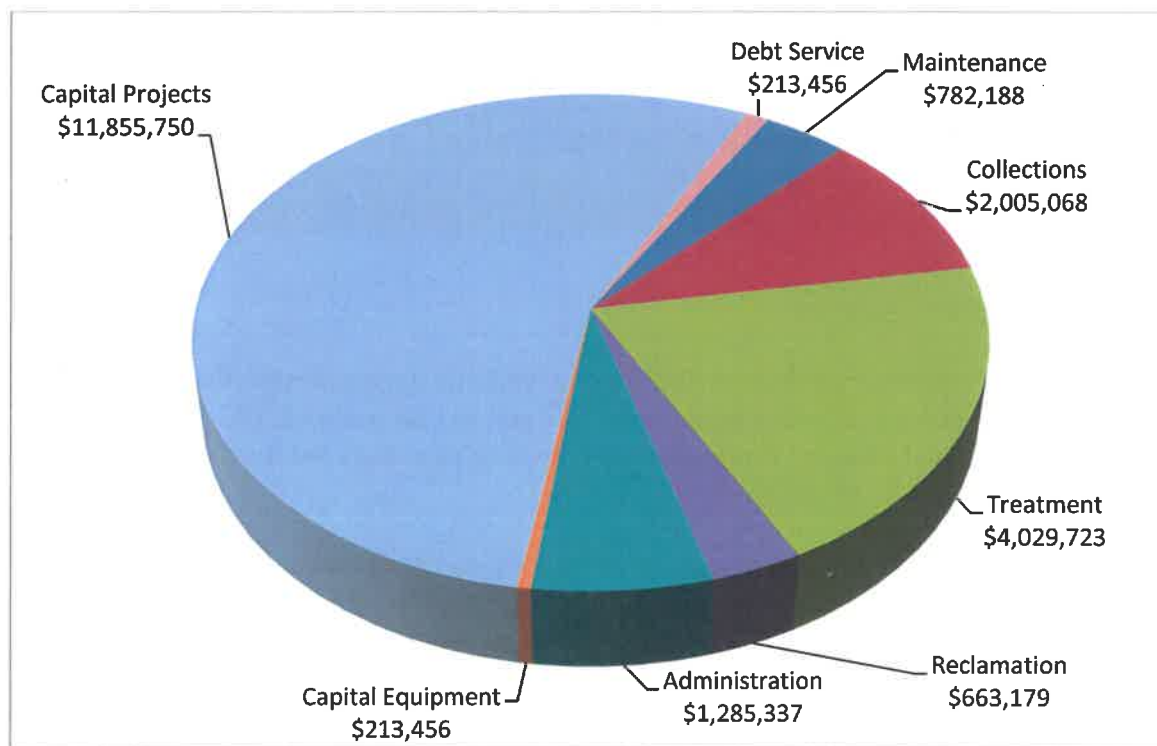
This year 23.7% of our revenues will come from Reserves – we are planning over \$6.4M in sewer line rehabilitation in the Collection System and over \$5.4M at the Treatment facility for the Electrical/Mechanical rehab project. Total capital projects are \$11.9M, of which \$4.9M will be made by a drawdown on capital reserves.

The District faces significant challenges in its future and is attempting to position itself to manage the outcomes. Rate increases now and into the future are very much considered with these long-term outcomes in mind. Our goals going forward for both the long and short term include:

- Sea Level Rise will affect the location of the treatment facility within the next 30-40 years. As such, the District must decide about its future, specifically, whether to move the facility into Carmel Valley or to connect with Monterey 1 Water (M1W) or some other option. The estimate is well over \$100M for either option. We recognize that even with a combination of loans and grants the District will need to come up with the local match, or 20-25% of that financial requirement.
- If the plant remains at its current location for 30-40 years, we will need to maintain the facility in good working order for the duration of its life span. We are currently estimating \$19M in expenditures through 2036. The Collection System, which will remain regardless of the outcome with the treatment facility will require more than \$70M over the next twenty years.
- Given the financial demands the District is facing, we are recommending that the District maintain its “Pay-as-you-Go” philosophy. We believe it will be important to minimize or eliminate debt service going into our commitment to move the treatment plant to enhance the marketing of our bonds.
- If it is determined we need to move into Carmel Valley, the District will need to pay for the land – grants and loans for a land purchase are unlikely. Even if we connect to Monterey One Water (M1W), we will likely need to arrange for land that will serve two pump stations to pump sewage around or over the hill to M1W.
- The District is required by the Coastal Commission to return the existing site of the treatment plant to riparian habitat. We are not sure what the cost will be, but it likely will be significant. The District is in the process of defining the requirements so that an accurate cost estimate can be budgeted.
- The District has opened a Section 115 Trust to start the process of growing a reserve for our CalPERS Unfunded Accrued Liability (UAL) and this trust requires funding. Over the last 15 years we have paid nearly \$1.25M to pay down our UAL. We anticipate that returns over the next fifteen years will be similar and will require we either again pay down or we establish a reserve fund. Every time CalPERS fails to meet its 7% investment target, we know that our UAL grows. We believe the Section 115 is one tool to make sure that we are proactive in anticipating this liability.

- We are also on a path to upgrade the Collection system. Based on a report from West Yost Engineers we believe we need to place roughly \$70M into our Collection system. over the next 20 years. The plan will be methodically implemented on a risk based schedule.
- Finally, moving from the Carmel Lagoon location means we either move the facility into Carmel Valley or we provide for a pipeline and pump stations to the regional treatment plant. Should we take the latter path, we will need to provide a space for the collection system to function along with some administrative functions, and to provide initial funding for reserves
- It is not possible to cost out these demands accurately at this time, but our current working estimate over the next twenty years, exclusive of continued operating and capital costs at our current location, is \$60M

What does the FY 2022-23 budget pay for?



Projected Budget Expenditures 2022-23

The District has budgeted 57.2% of its budget for capital projects and equipment. Plant Operations this year comprise 22.9% of our expenditures with 9.6% devoted to Collection System. We are currently operating in an inflationary period and at a time when we are challenged to obtain some supplies due to suppl chain disruptions. This budget reflects a concerted effort to manage spending, but it also recognizes the current economic volatility. Fuel costs, chemical costs, and parts are major consumables in our industry and we continue to face procurement challenges.

We have managed to deliver very low rate increases for the past two fiscal years as we were well aware of the hardship COVID-19 caused to so many. In looking at our largest rate category, residential, we had a 3.16% increase in 2020-21 and a 3.02% increase in 2021-22. Again, this is a reflection of the balance we were attempting for our ratepayers. However, this deferred funding in response to the pandemic is not sustainable over the long term. At some date we are forced to meet our current obligations and to plan for the future.

District Reserves

As prudent management of our finances dictates, the wastewater district keeps a reserve of money to cover projects and unexpected events. Prior to proceeding with any capital project, the District policy is to ensure that it has all funding available to complete the project.



Clarifiers tanks & DAFT

There are different types of reserves:

Compensated Accruals Reserve: set aside to fund accrued liability due employees for their vacation leave. CAWD has taken a conservative position on this and has set aside \$250K. Each year this amount is adjusted to actual records. Employees and the Board have agreed to an accrual limit of 320 hours. There is no payout of sick time.

Capital Reserve: These are funds set aside for rehabilitation and replacement of the capital assets of the treatment plant and the collection system. The Fiscal Year 2022-23 budget contains \$11.9M in capital projects and equipment. The District receives reimbursement for 1/3 of the costs of Treatment plant projects from PBCSD. This year we anticipate that will be \$1.1M.

Defend or Managed Retreat Reserve: established in 2017, to address the future needs of the District in response to sea level rise issues, are reviewed annually by the Board of Directors with a funding goal of \$15M over 15 years. The Board authorized \$1M for this fund in fiscal year 2022-23 bringing the total balance to \$5M. We believe that if we remain focused on our original goal, we can reach a \$15M balance over the next 10 years.

Wastewater Charges raised to Maintain and Rehabilitate Critical Infrastructure

The District has proposed an increase of **TBD%** in its residential user fees. Residential is the largest category in the District and accounts for 66% of our customer base and roughly 65% of

user fee revenues. The rate increases are necessary to undertake the capital upgrades and to help us continue with our strategy of “pay-as-you-go” to fund our improvements. The District is keenly aware of the challenges it faces in meeting both its River Watch commitments and California Coastal Commission permit requirements. We feel that in order to position ourselves to apply for a large borrowing in 2040 we need ensure that our debt burden is minimal, and we have a very strong balance sheet.



MF/RO Structure

Listed below for review is a summary residential rate increases over the last 6 years.

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Residential Rates	12.46%	8.66%	9.20%	7.55%	3.16%	3.02%

Budget Highlights

Revenues

- Sewer user fees are budgeted to increase on average 6.27 – 14.53%% in 2022-23. The Preliminary Rate Model details how the costs are allocated across customer categories. The Budget Committee accepted six different rate model scenarios and declined approval of any one because they felt that the issues deserved full board discussion. The community is coming back from COVID-19 but the wastewater district has multiple challenges in improving current infrastructure and planning on the future with sea level rise.
- Treatment Fees PBCSD – calculated based on our contract with PBCSD. Charges are based on flow, less source control and legal, plus administrative percentage. Historically, monthly flows vary between 28 – 32%.
- Property tax revenues are anticipated to increase 2%. During the pandemic there was a considerable amount of real estate activity leading us to project a reduction in the

delinquent accounts along with an increase in valuation from the County Assessor.

- Interest income is estimated based on average balance earning 0.75%. We are basing our \$300K budget estimate on current yield, projected market rates, and decreasing balances as we spend down reserves for capital projects. We recognize that there has been discussion at the Federal Reserve about increasing prime 25 basis points – however, we are taking a conservative position.
- Permits and Connection fee revenues are based on 10-year averages.

Operations & Maintenance - General

- \$8.7 million total operating budget for Fiscal Year 2022-23.
- The Maintenance department reflects only salaries and benefits for staff. All other categories have been folded back into the treatment plant budget. When Maintenance staff work for the Collections department they will bill directly to it.
- Salaries for FY 2022-23 reflect full staffing plus the addition of one full time hybrid position. The River Watch agreement requires that we Close-circuit television (CCTV) the entire system within five years. The District plans to split this position 3 days in Collections and 2 days as an entry level mechanic position.
- The negotiated COLA for 2022-23 is 3.8%
- The CalPERS investment return of 21.3% moves the plan into an overfunded position and should have a fairly significant impact. Therefore, although we have an unfunded liability, our CalPERS actuary recommended that we hold off on paying it down because of the overfunded positions. The District's CalPERS PEPRA plan has a current Unfunded Accrued Liability (UAL) of \$80K that is anticipated to turn into a credit balance in 2022 assuming 21.3% return in 20-21 and 1.0% return in 21-22. Under the same assumptions, the Classic plan has a current UAL balance of \$958K; however, the District made a payment of \$774K in 20-21 and with the returns of 21.3% it is estimated that in 21-22 the plan will have a negative balance.
- The Strategic Asset Management pension plan was valued as fully funded in 2021-22 and the actuarial report recommended zero contributions.
- Health insurance premiums increased 6.5% effective January 2022. Health insurance continues to increase annually and remain an area of concern. The District is committed to providing health insurance to employees, but we are now seeing the health insurance premium exceed pension contributions in dollar amount. For 2022 the District shouldered the entire 6.5% increase because the COLA issued in July 2021 was 1.1% and inflation is heavily impacting employees.

- The District’s worker comp experience mod factor increased 20 basis points from 0.96 to 1.16. Unfortunately, while we work diligently on safety, we find that one accident can cause a swing in the experience mod factor.
- Starting with 2020 the District has experienced significant increases in Property/Liability/Vehicle insurance. Wildfires, storms, civil disorder and “social inflation” have all contributed to increased pressure on insurers in North America. COVID-19 has added new types of losses to the mix and created additional uncertainty. While the CSRMA program is not experiencing an increase in the frequency (number) of claims, they are seeing an increase in the severity (cost) of claims.
- We appear to be finally coming out of the worst part of the COVID-19 pandemic. The District continues to practice safety procedures such as masks and distancing – but we are loosening up the rules. It remains to be seen if COVID is truly making an exit or if we are waiting for the next wave. We recognize that Europe is experiencing an uptick in cases, so we continue to purchase disinfectant supplies and masks. Finally, we have made it a policy that all employees are vaccinated unless they have a valid religious or disability exemption.



Digester Control Building #1 – Spiral Heater and Boiler

- We originally hired the hybrid Collection/Maintenance Utility Worker I for a three year term limited position. It was an excellent fit; however, that individual took what he learned from CAWD and parlayed it into a full time permanent position at a water district in Salinas. That means that CAWD is back to recruiting – this time for a permanent position.
- We have budgeted unleaded and diesel fuel at the current market price and matching the quantity from prior fiscal year. We are also aware that the price at the pump is fluctuating on a seemingly daily basis. The Budget Committee made the decision to go with the

current market price because of the difficulty of projecting the future and utilizing a contingency fund to cover overruns.

- As part of our permit with the Coastal Commission, we performed annual Coastal Hazards Monitoring and the Coastal Hazards Response Planning during the first two years of our permit. Now we plan to move on to analyze potential solutions to the move. This will be a multi-year effort that we anticipate could take up to ten years. The time will be well used and we anticipate gathering considerable information prior to moving on to the next phase. For the current budget year we have a project with Greeley & Hansen for WWTP (Wastewater Treatment Plant) Relocation Alternatives Planning Assistance that will be part of our long term efforts to relocate due to sea level rise.
- Chemical costs have seen significant cost increases over the past year – literally going up from one delivery to the next. We do not have the ability to stockpile chemicals and vendors are not recommending that course of action; however, we also do not know how long to expect prices to escalate. As with fuel, we are budgeting at current cost levels and will dip into contingency funds if required.
- Supply line delays and price increases are also impacting our ability to get parts for various needs around the plant and in the field. We have made an effort to keep inventory for some of the most critical parts and we are working with suppliers for everything else. Both inflation and availability have made the coming year more difficult to plan
- Utilities will see a 11.6% increase in electrical costs along with an 8.2% increase in natural gas. Water is also predicted to increase from prior years budget; however, we had a leak at the treatment facility that we do not anticipate again so we have budgeted a decrease over prior year.

Capital Budget Projects

- Collections is presenting a 15 year capital listing that includes an evaluation of all pipelines and pump stations and prioritized them for either repair or replacement. This represents a very aggressive plan from an engineering standpoint and a substantial financial commitment of nearly \$63M. Nonetheless, it is a commitment that is necessary both to meet the mandates from River Watch but to also meet our commitment to the community for a reliable sanitary sewer.

The largest project will be pipe bursting Scenic Road from Ocean to Bay – approximately 9,525 linear feet of 6”clay pipe that will be replaced with 8”HDPE pipe. This line is parallel to the coastline and represents significant engineering, regulatory, and environmental efforts.

- The Elec/Mech Rehab & Sludge Holding Tank Replacement Project is a multi-area project aimed at improving reliability of equipment in the Influent Pump Station, Headworks, Chlorine Analyzer Building, Effluent Building, and Sludge Storage Tank. In fiscal year 2021-22 the District expended \$5.4M on this project and anticipate completing it in 2022-23 with an additional \$4.8M. Most of the work involves replacing aged equipment and

electrical and mechanical work in existing buildings. This project was developed to mitigate business risk based on end of life cycle equipment from a risk assessment performed by Kennedy/Jenks Engineers. The project is 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 tank was built in the 1930s and is past its useful life. The three existing sludge tanks no longer meet seismic code and will be removed.

After the current project the Treatment plant will continue to have smaller projects to ensure the reliability of the plant; but there will be no new projects structures. Instead the focus will shift towards moving the facility and returning the existing site to riparian habitat.



Primary Motor Control Center – installed 2017

CAWD's budget reflects both the current year priorities and a consideration of where the District should be in the next 25 – 30 years. Our plans for plant and collection system rehabilitation and renewal are carefully considered with an eye to providing service to our constituents and ensuring the future of the District.

Location & Service Area

Location and Service Area

Carmel Area Wastewater District – At a Glance	
Formation Date	July 8, 1908
Legal Authority	Sanitary District Act of 1923 (Health and Safety Code, Section 6400 et seq)
Board of Directors	Five-member Board of Directors, elected at-large to four-year terms
District Area	11.3 square miles / 7,215 acres
Sphere of Influence Area	95 acres (Odello’s site) outside existing and proposed District boundaries
Population	Approximately 12,800 within District boundaries; 4,500 Pebble Beach residents contractually served for wastewater treatment
Authorized Powers	Wastewater collection and treatment, recycled water distribution
District Mission	Carmel Area Wastewater District is a special district dedicated to protecting the public health and the environment by cost-effective collection and treatment of wastewater and the return of clean water to the environment
Contact Information	P.O. Box 221428 (3945 Rio Road), Carmel, CA 93933 831-624-1248
Website	www.cawd.org

Description of District

The Carmel Sanitary District was formed in 1908 to serve the community of Carmel-by-the-Sea, and is one of the oldest sanitary districts in the state. Formation preceded incorporation of the City of Carmel-by-the-Sea by ten years. In 1934, the District was reorganized under the Health and Safety Code District Act of 1923. District boundaries include the City of Carmel-by-the-Sea and surrounding unincorporated areas of Carmel, Carmel Valley, Carmel Meadows, and Carmel Highlands. The District provides collection, treatment and disposal of wastewater for 11,000 people within district boundaries, and treatment and disposal services for an additional 4,500 people in Del Monte Forest under a contractual agreement with Pebble Beach Community Services District.

Areas served by the District are generally stable or declining in population. For example, the most recent (2018) adopted regional growth forecast published by the Association of Monterey Bay Area Governments projects essentially no population change for the City of Carmel-by-the-Sea, with a 2020 population of about 3,830 projected to increase to 3,876 by the year 2040. The popularity of Carmel and Pebble Beach residences as vacation homes has removed many dwellings from permanent occupancy. While this trend does not decrease the number of sewer connections, it reduces the full-time occupancy of homes and the corresponding volume of wastewater.

The District is governed by a five member board of directors who are elected at large for four-year terms. The District currently employs 26 full-time and two part-time employees.

District Services

The District collects wastewater from Carmel and surrounding areas, providing advanced treatment to near drinking water standards. Almost all treated wastewater is sent to Del Monte Forest where it is used to irrigate golf courses such as Pebble Beach, Poppy Hills, and Spanish Bay.

The basic components of the District's wastewater system include:

1. Collection system: Wastewater collection is the conveyance of wastewater from a business or residence to the wastewater treatment plant, using underground pipes and lift stations.
2. Wastewater treatment plant: CAWD's treatment plant has a permitted capacity of 3.0 million gallons per day (MGD) of dry-weather flow. Current average dry-weather flow is approximately 1.1 MGD of which approximately two-thirds is from CAWD customers and the remaining one-third is from Pebble Beach connections. After primary, secondary, and disinfection/dichlorination treatment processes, the water is safe enough to discharge to the ocean. However, about 90% of the water is conveyed to the District's on-site reclamation facility for further ("tertiary") treatment to allow the water to be reused for irrigating golf courses in Pebble Beach.
3. Reclamation treatment facility (recycled water): The District's 2008 advanced treatment facility treats the water to an even higher level, using microfiltration and reverse-osmosis membranes to filter out dissolved ions (salts) from the water. The District-owned facility is a part of a larger project including storage and conveyance infrastructure that was created in

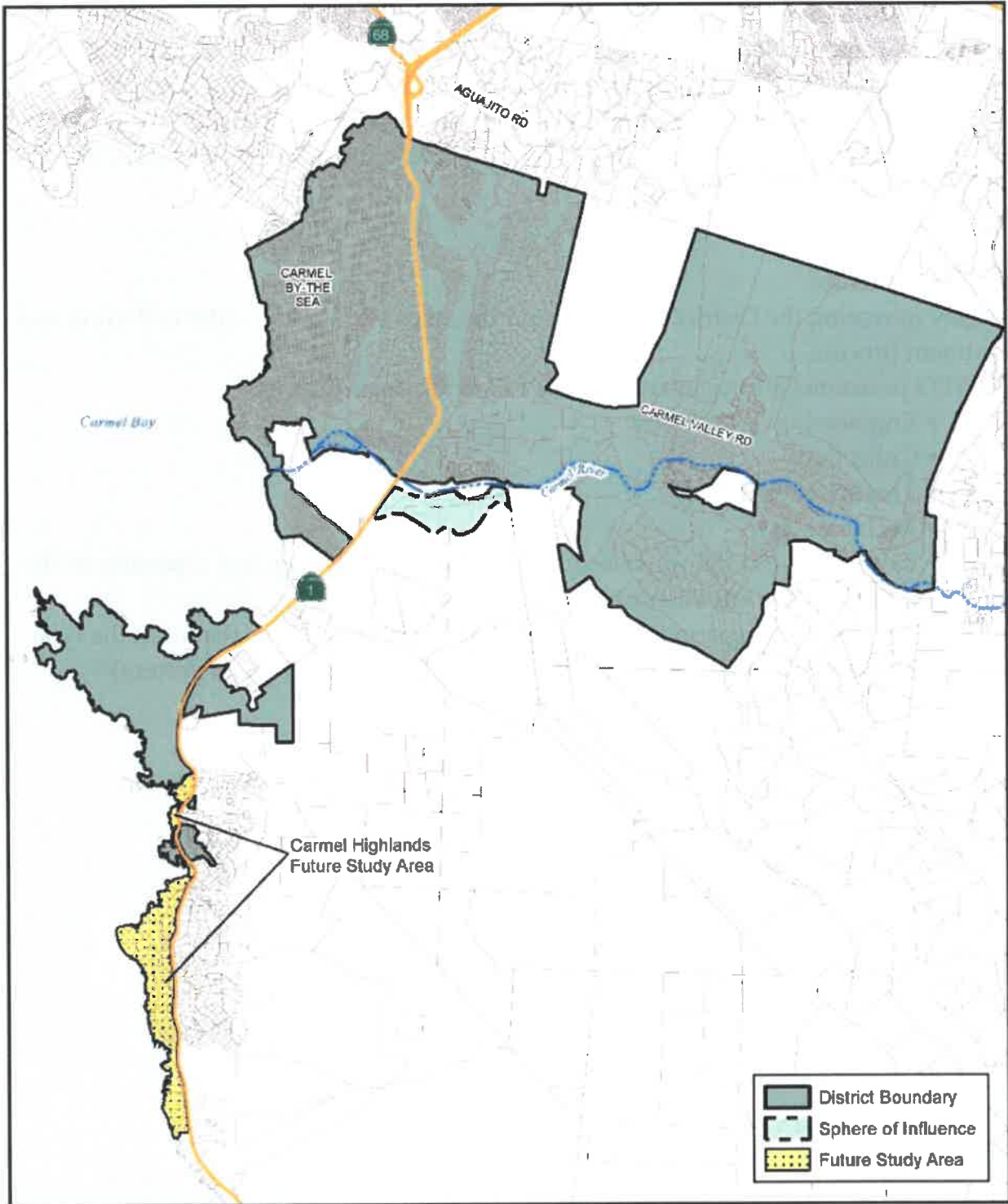
partnership with the Pebble Beach Community Services District and the Monterey Peninsula Water Management District. The overall reclamation project offsets about 1,000 acre feet per year of potable water that would otherwise be drawn from the Carmel River adjudicated basis. This offset amount represents roughly 10% of the total annual water taken from the Carmel River.

Agency Structure

Largely mirroring the District's facilities and the steps in the wastewater collection and treatment process,

CAWD's personnel are organized into the following departments:

- Engineering and projects
- Collections
- Treatment operations
- Reclamation
- Laboratory (sampling, collection, monitoring, analyzing, and reporting on the quality of the wastewater treatment process)
- Source control (permitting and enforcement of regulations that limit the type and amount of pollutants businesses can discharge to the sewer system)



LAFCO of Monterey County
 LOCAL AGENCY FORMATION COMMISSION

247 Rue 1769 Salinas, CA 99902 Telephone: (831) 754-5558
 102 W. Galitan St. Suite 102 Salinas, CA 99901 FAX: (831) 754-5831



WASTEWATER DISTRICTS

CARMEL AREA WASTEWATER DISTRICT

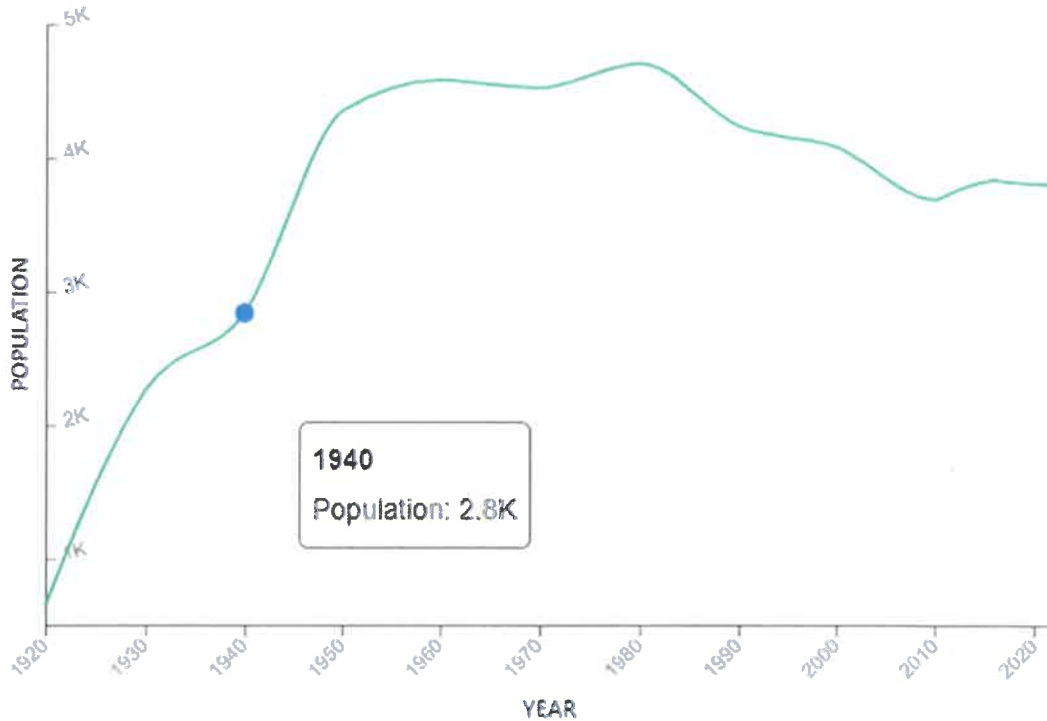
Last LAFCO-Approved Change: 06/27/2016
 Map Prepared: 6/11/2016

Demographics

Demographics for Carmel Area Wastewater District

Carmel-by-the-Sea, California Population 2022

3,799



Carmel-by-the-Sea has a 2020 population of 3,799. Carmel-by-the-Sea is currently declining at a rate of -0.11% annually but its population has increased by 3.04% since the most recent census, which recorded a population of 3,687 in 2010.

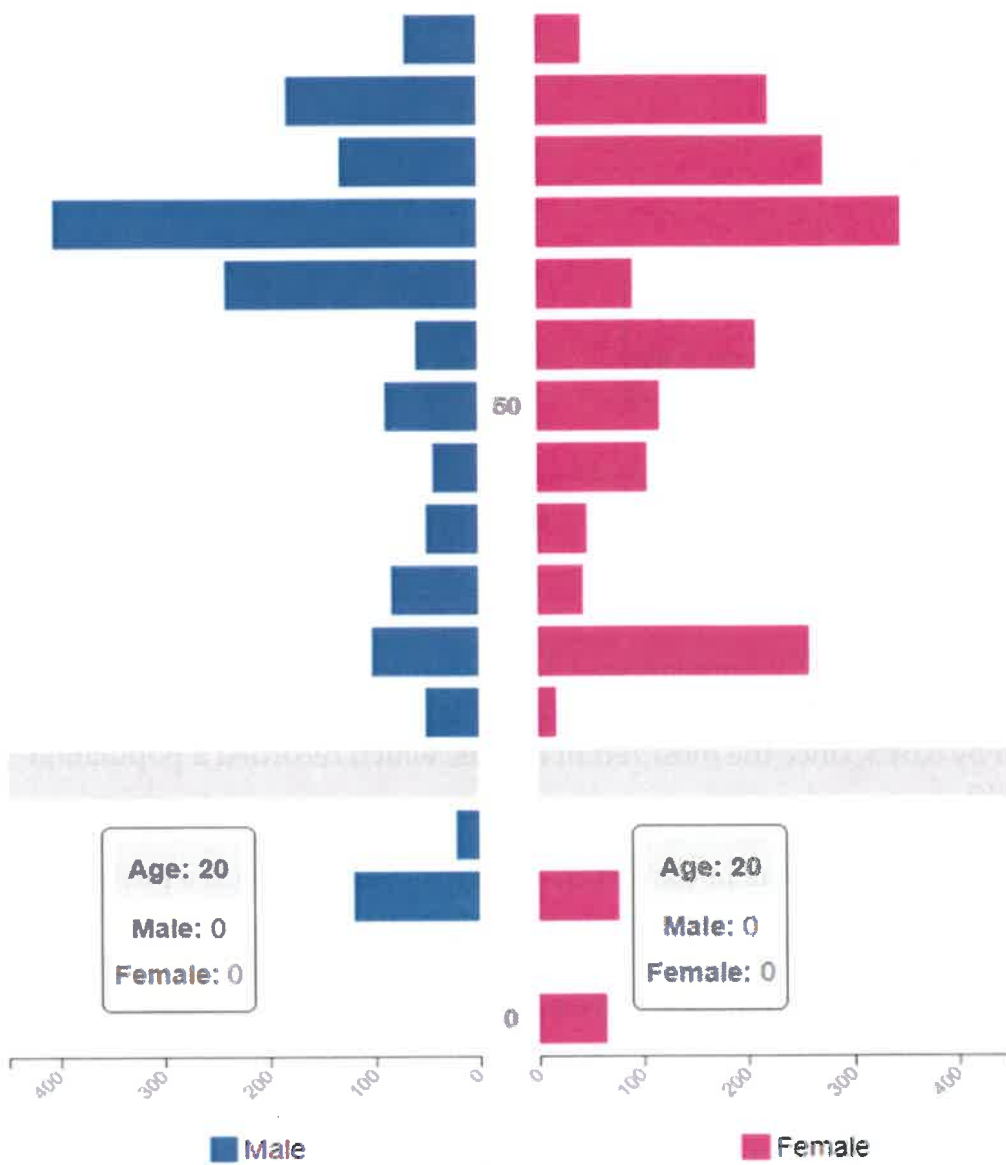
The average household income in Carmel-by-the-Sea is \$129,582 with a poverty rate of 1.43%. The median rental costs in recent years comes to \$2,231 per month, and the median house value is \$1.54 Mn. The median age in Carmel-by-the-Sea is 59.6 years, 59.1 years for males, and 61.2 years for females.

Carmel-by-the-Sea Demographics

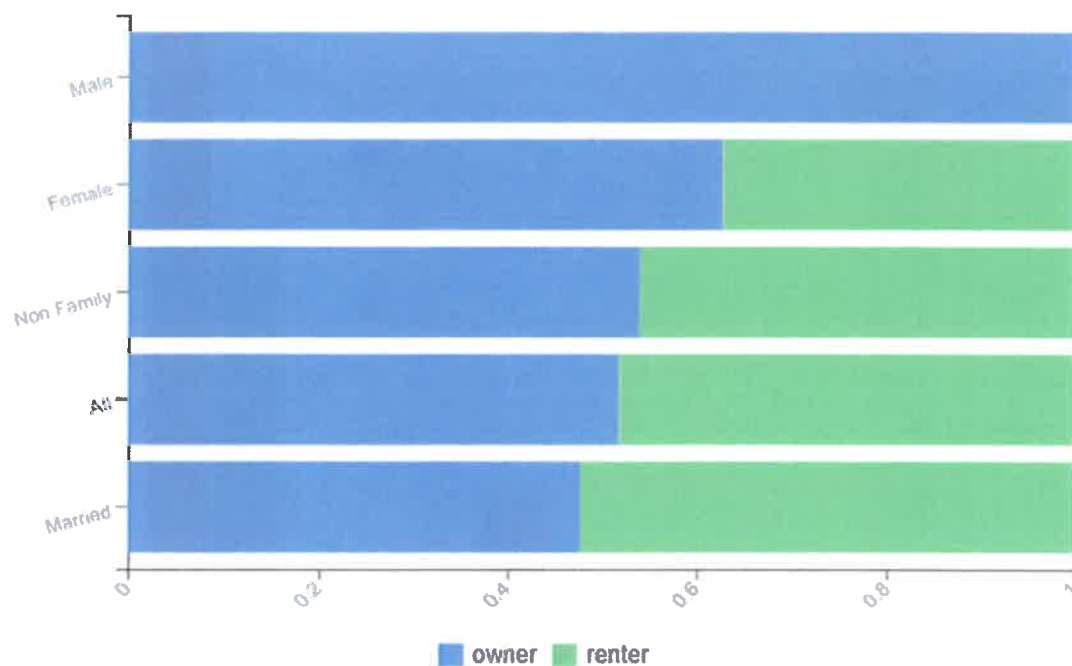
According to the most recent American Community Survey (ACS), the racial composition of Carmel-by-the-Sea was:

- White: 93.69%
- Two or more races: 4.83%
- Asian: 1.43%
- Black or African American: 0.05%
- Native American: 0.00%
- Native Hawaiian or Pacific Islander: 0.00%
- Other race: 0.00%

Carmel-by-the-Sea Population Pyramid 2022



Carmel-by-the-Sea Renter vs Owner Occupied by Household Type



Carmel-by-the-Sea Households by Type

Type	Count ▼	Average Size	Owned	CSV JSON
All	1,909	1.97	52	
Married	963	2.62	47.9	
Non Family	828	1.11	54.2	
Female	94	2.82	62.8	
Male	24	2.17	100	

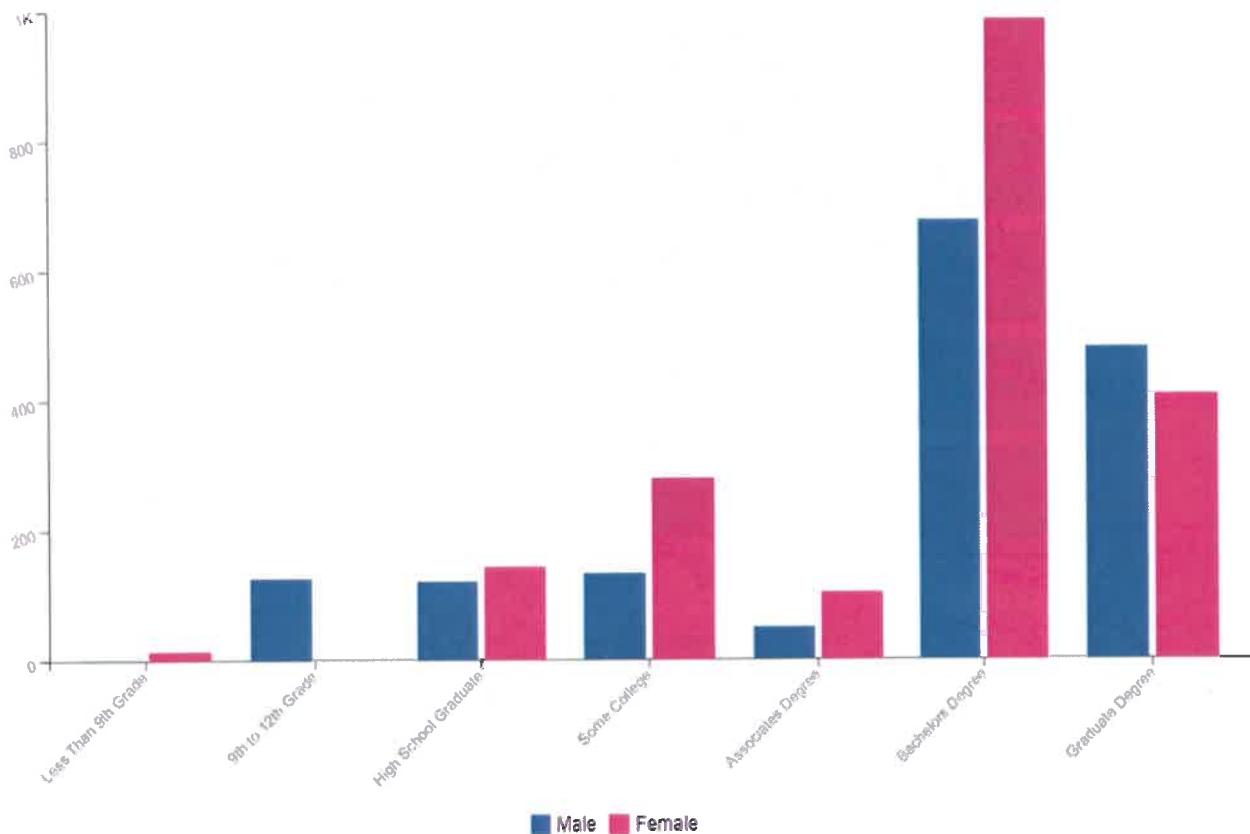
2.34

Average Family Size

1.97

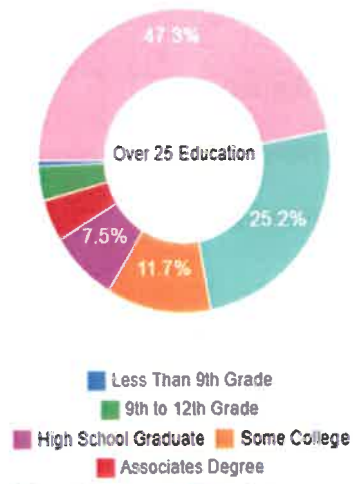
Average Household Size

Carmel-by-the-Sea Educational Attainment by Sex (over 25)

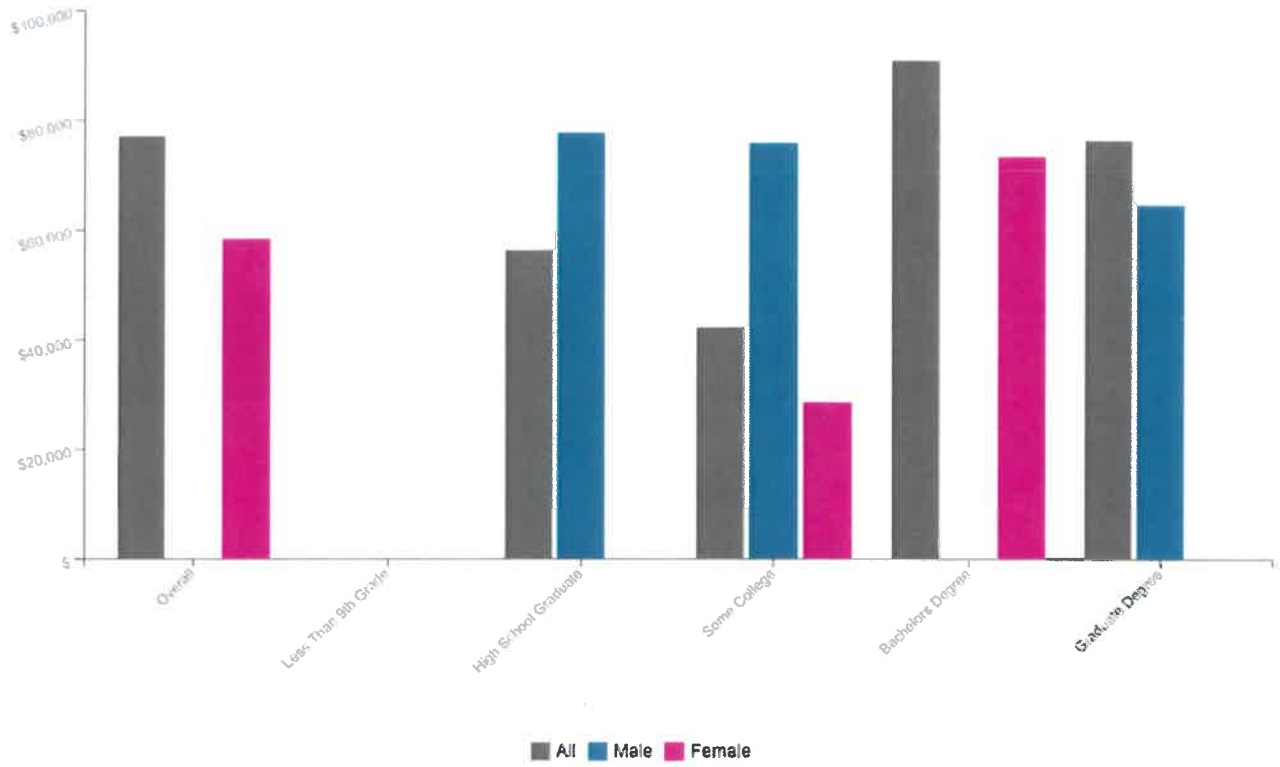


± CSV ± JSON

Education Attained	Count	Percentage
Less Than 9th Grade	14	0.40%
9th to 12th Grade	125	3.57%
High School Graduate	262	7.48%
Some College	410	11.70%
Associates Degree	151	4.31%
Bachelors Degree	1,658	47.30%
Graduate Degree	885	25.25%

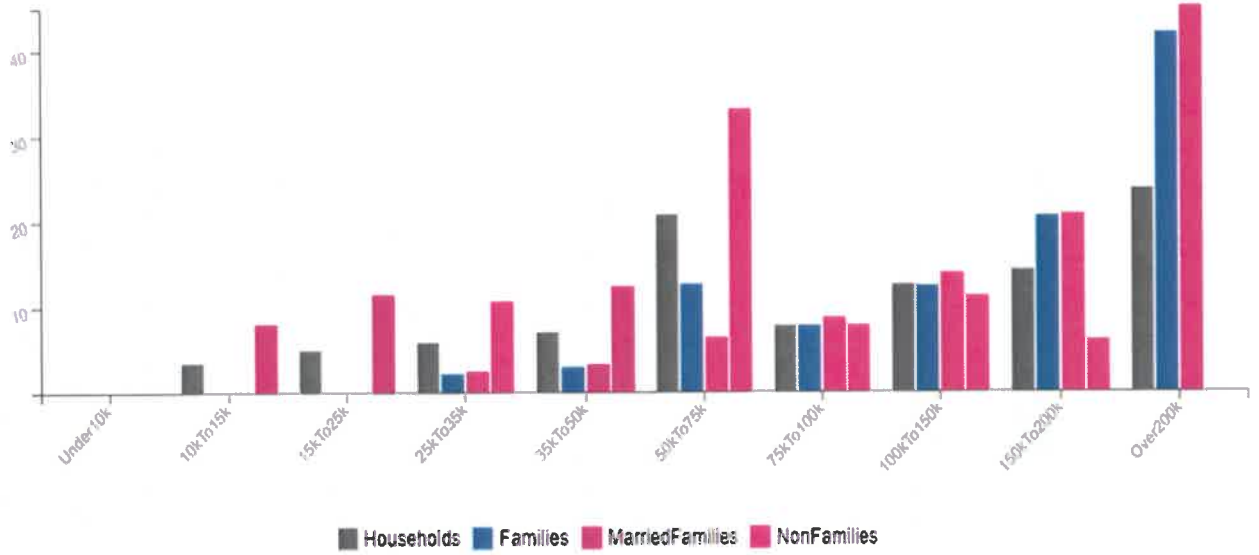


Carmel-by-the-Sea Earnings by Educational Attainment



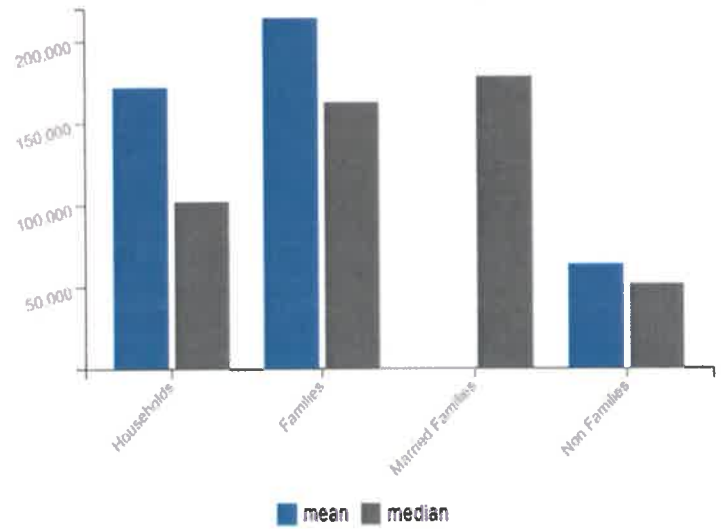
Name	Average	Male	Female	
Overall	\$76,977	\$	\$58,261	\$76,977 Average Earnings
Less Than 9th Grade	\$	\$	\$	\$ Average Male
High School Graduate	\$56,250	\$77,632	\$	\$58,261 Average Female
Some College	\$42,188	\$75,781	\$28,421	
Bachelors Degree	\$90,813	\$	\$73,242	
Graduate Degree	\$76,310	\$64,500	\$	

Carmel-by-the-Sea Income by Household Type

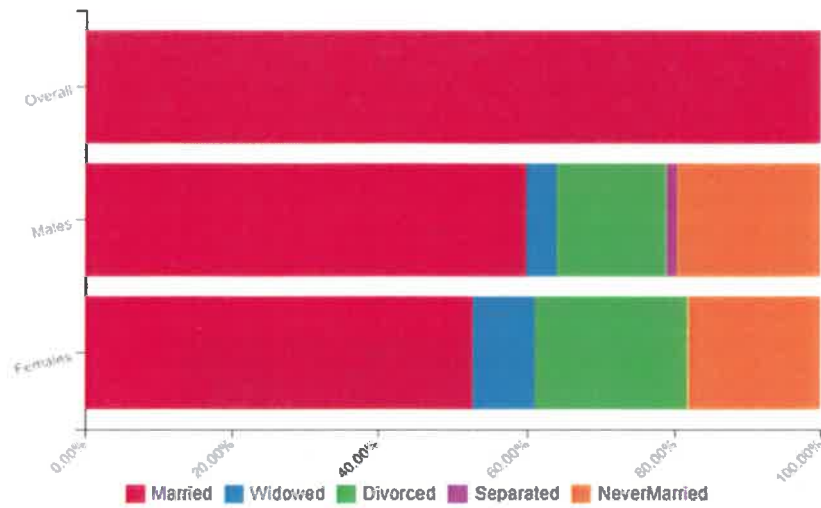


[CSV](#)
[JSON](#)

Name	Median	Mean
Households	\$101,696	\$171,527
Families	\$162,351	\$213,893
Married Families	\$178,044	-
Non Families	\$51,343	\$63,206



Carmel-by-the-Sea Marital Status



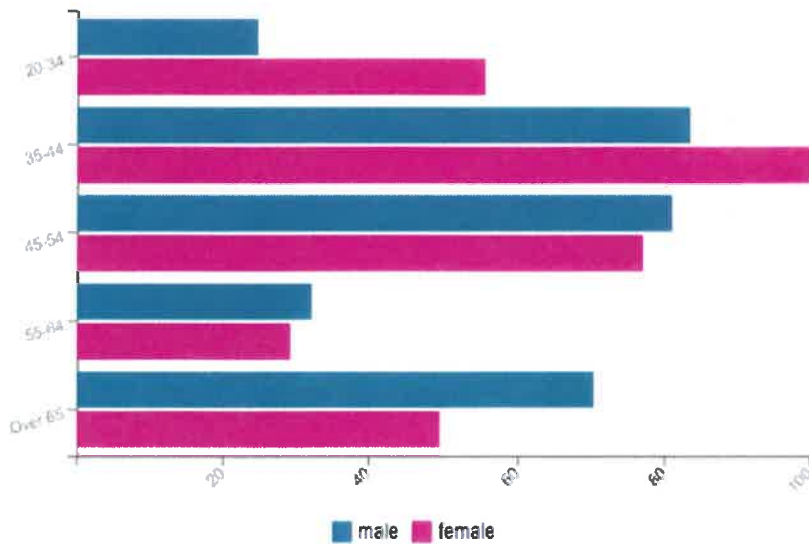
Marriage Rates

56.0%
Overall Marriage Rate

59.9%
Male Marriage Rate

52.8%
Female Marriage Rate

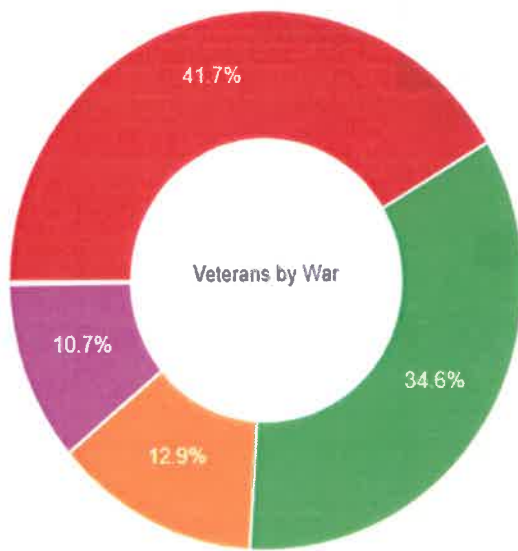
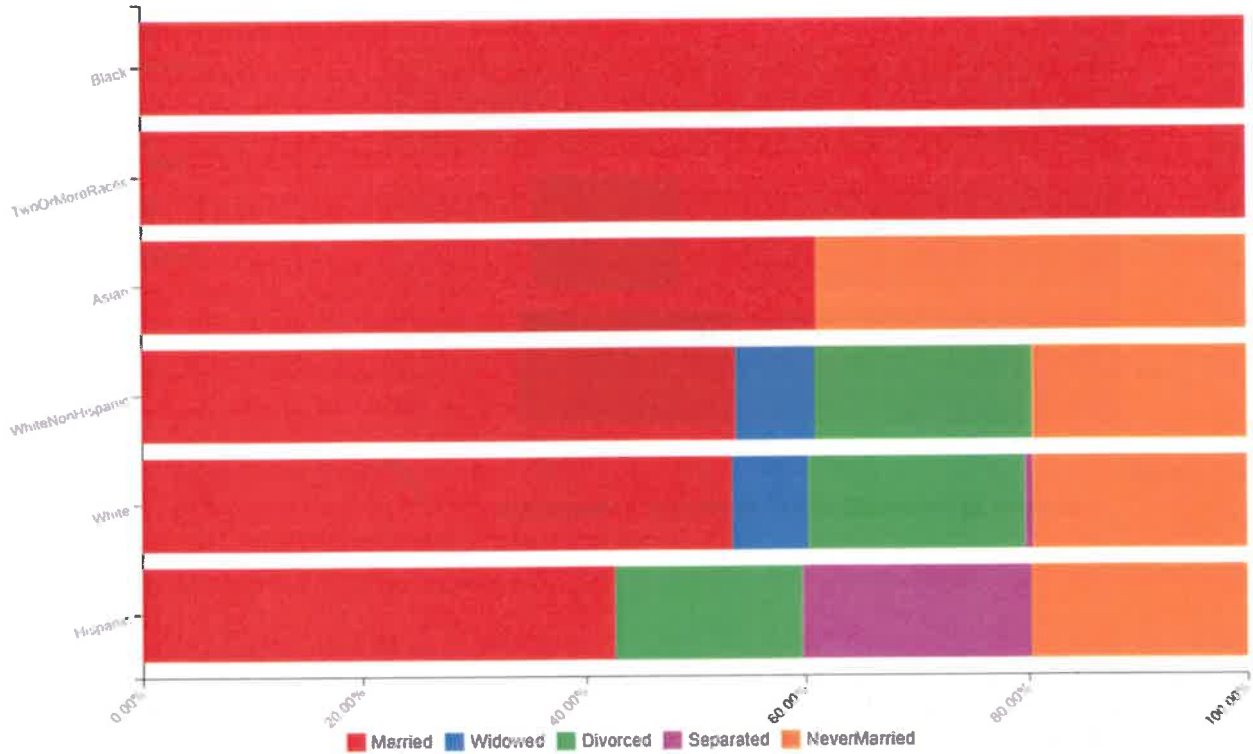
Carmel-by-the-Sea Married by Age and Sex



Carmel-by-the-Sea Marriage

The age group where males are most likely to be married is 35-44, while the female age group most likely to be married is 35-44.

Carmel-by-the-Sea Marital Status by Race



■ Second Gulf War
 ■ First Gulf War
 ■ Vietnam
 ■ Korea
 ■ World War II

491

Number of Veterans

Male Veterans

Female Veterans

± CSV ± JSON

War **Veterans** ▼

First Gulf War 187

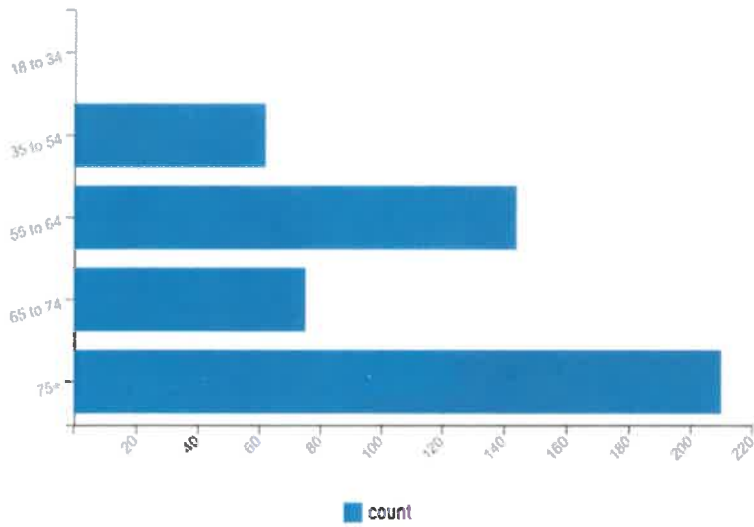
Vietnam 155

World War II 58

Korea 48

Second Gulf War

Carmel-by-the-Sea Veterans by Age



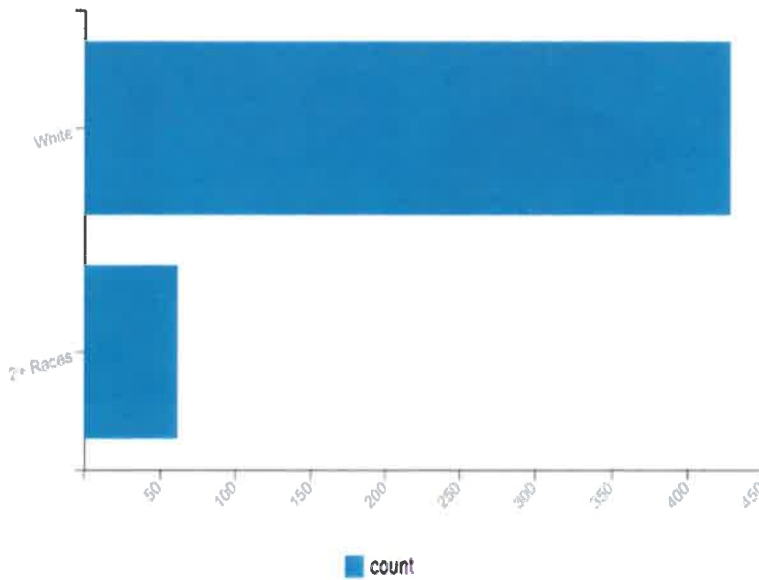
[CSV](#) [JSON](#)

Age Group	Veterans
75+	210
55 to 64	144
65 to 74	75
35 to 54	62
18 to 34	0

Carmel-by-the-Sea Veterans by Race

Percentage

Counts



[CSV](#) [JSON](#)

Name	Veterans	% of Total
White	429	13.05%
2+ Races	62	33.88%

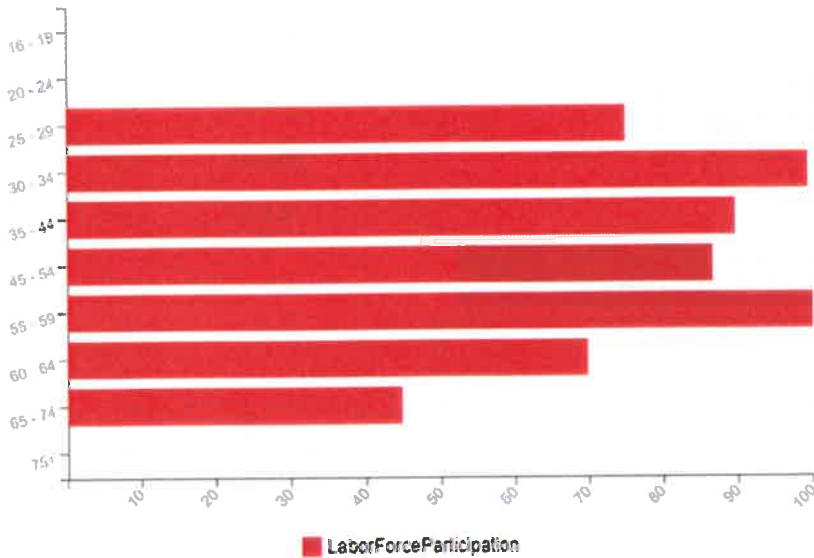
Carmel-by-the-Sea Employment by Age

Labor Force Participation Employment Rate Unemployment Rate

54.8%
Labor Force Participation

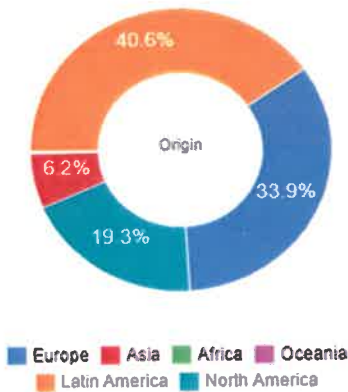
54.7%
Employment Rate

0.1%
Unemployment Rate



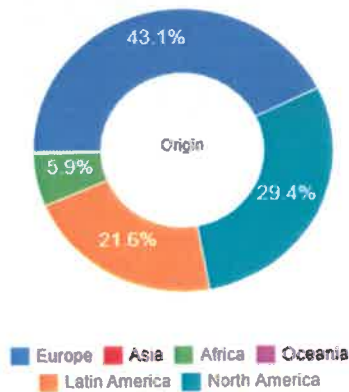
Carmel-by-the-Sea Place of Birth

Origin of Non-Citizens



Non citizens include legal permanent residents (green card holders), international students, temporary workers, humanitarian migrants, and illegal immigrants

Origin of Naturalized Citizens



44.29%
Born in Carmel-by-the-Sea

85.19%
Native Born

14.81%
Foreign Born

9.42%
Non Citizen

5.38%
Naturalized

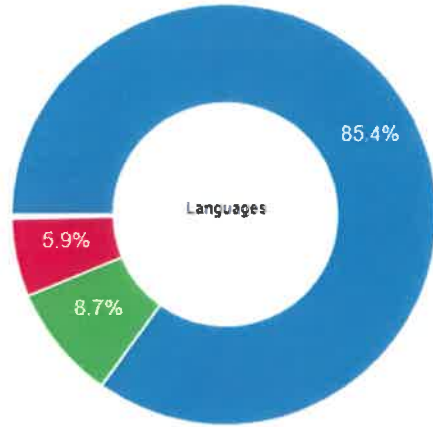
Place of Birth

85.19% of Carmel-by-the-Sea residents were born in the United States, with 44.29% having been born in California. 9.42% of residents are not US citizens. Of those not born in the United States, the largest percentage are from Europe.

Carmel-by-the-Sea Language

Carmel-by-the-Sea Language by Age

All Ages 5-17 18-64 65+



■ Only English ■ Spanish ■ Other Indo-European Languages
■ Asian and Pacific Island Languages ■ Other Languages

Carmel-by-the-Sea Language

85.42% of Carmel-by-the-Sea residents speak only English, while 14.58% speak other languages. The non-English language spoken by the largest group is Other Indo-European, which is spoken by 8.73% of the population.

Financial Structure & Policies

Financial Structure and Policies

Structure

The Carmel Area Wastewater District (the District), organized July 8, 1908, is governed under the provisions of the Sanitary District Act of 1923, Health and Safety Code, Section 6400 et seq., as amended. The function of the District is to provide, operate and maintain sewage collection, treatment, and disposal facilities for the properties included within its boundaries and for certain contracted adjacent properties, and supply reclaimed water to the Monterey Peninsula Water Management District. The District is governed by a five-member Board elected at-large for a four-year term. The District is managed by a managed by a General Manager that is hired by the Board of Directors.

The Financial Auditor and Legal Counsel for the District are contracted services and report directly to the Board. All other functions report to the General Manager. The District is organized into five areas – Plant Operations, Collections, Maintenance, Administration, and Engineering Services. The first three are headed by a Superintendent. The fourth, Administration, includes the General Manager’s Office, the Board, and Administration.

The District’s reporting entity includes all significant operation and revenue sources as determined under the criteria established by the Governmental Accounting Standards Board. Oversight responsibility is determined on the basis of selection of the governing board, designation of management, ability to significantly influence operations, accountability for fiscal matters, and the scope of public service. The District is exempt from federal income and state franchise taxes.

In March 1969, the District entered into an agreement with the Pebble Beach Community Services District (PBCSD) for treatment and disposal of sewage service delivered by PBCSD. It was anticipated that the contract would account for approximately one third of the capacity of the District’s treatment plant. PBCSD began delivering sewage to the District in fiscal year 1970-71, and reimburses the District for one third of its operating treatment and disposal expenses plus a portion of general and administrative expenses at an agreed upon annual fee for this service. The agreement has been modified several times over the years, and currently operates under the 1994 amended agreement.

Under the same agreement, PBCSD additionally reimburses the District for one-third the cost of capital assets purchased or constructed for sewage treatment and disposal. Carmel Area Wastewater District maintains sole ownership of the wastewater treatment plant and related capital assets. PBCSD has only a contractual “right to use” one-third

of the sewage treatment plant's capacity under the terms of the most recent modified 1994 agreement and has no rights to ownership of the District's capital assets. Accordingly, capital assets are recorded by the District at 100 percent of their historic cost or contributed value, and any expense reimbursements received from PBCSD or other affiliates are recorded as revenue to the District.

Intact sewage systems constructed by real estate developers are completed at no cost to the District. These systems, when formally accepted by District engineers and the Board of Directors, are recorded as revenue to the District.

Basis of Presentation

The Carmel Area Wastewater District's financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) as applied to governmental entities. The Governmental Accounting Standards Board (GASB) is the accepted standard setting body for establishing governmental accounting and financial reporting principles. The financial transactions of the District are recorded in a Proprietary Fund type.

Proprietary Funds are used to account for operations that are financed and operated in a manner similar to private business enterprises where the expenses, including depreciation, of providing goods or services to the general public are recovered through user charges.

Enterprise Funds are used to account for operations (1) that are financed and operated in a manner similar to private business enterprises - where the intent of the governing body is that costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges; or (2) where the governing body has decided that periodic determination of revenue earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control, accountability, or other purposes. The District is such an enterprise fund.

The basic financial statements are prepared using the accrual basis of accounting. Accordingly all assets and liabilities (whether current or noncurrent) are included in the statement of net position. The statement of revenue, expenses, and change in net position presents increases (revenue) and decreases (expenses) in total net position. Capital contributions of property and equipment are reported as a separate line item in the statement of revenue, expenses, and change in net position.

Accounts and Records

Records of the District are maintained at its office in Carmel, California. These records include cash receipts and disbursements journals, a general ledger, complete minutes of the Board of Directors meetings, Resolutions, Ordinances and files of supporting documents. Investment funds of the District are on deposit with the Monterey County Treasurer's investment pool.

Budgets and Budgetary Accounting

A budget of projected cash receipts and disbursements is prepared to meet the requirements of the Monterey County Auditor and for internal use by the Board of Directors. The budget is used to provide financial guidance to the District and to determine the amount of funds required from user fees and other sources. The primary difference between the budgetary basis method, and the accounting principles generally accepted in the United States of America (GAAP) method, is depreciation expense and the principal portion of debt service payments.

Basis of Accounting

The District's basis of accounting for budgetary purposes generally conforms with the generally accepted accounting principles (GAAP). Financial statements are presented as an enterprise fund. Enterprise funds are used to account for operations that are financed and operated in a manner similar to private business enterprises where the intent of the governing body is that the costs of providing services to the general public on a continuing basis be financed or recovered primarily through user charges.

As the District's financial are accounted for as an enterprise fund, the budget is prepared generally based on the full accrual basis of accounting. Revenues are recognized when earned and costs are recognized when a liability is incurred. In financial reporting depreciation and amortization are included and the repayment of the principal on debt is not reported as expenses. In budgetary reporting, depreciation and amortization are excluded, and the repayments of the principal on debt as expenditures are included.

FINANCIAL PLANNING POLICIES

The District has financial policies that set forth guidelines to maintain accountability and control over operating revenue and expenses, ensure proper appropriation of reserves and restricted funds, and proactively address the rising costs of pension and other post-employment benefits.

The District's Reserve Policy covers all reserve funds of the District. At the end of each fiscal year, compliance with the Reserve Policy will be reported to the District's Board of Directors as part of each Fiscal Year End Financial Report.

- **Capital Improvement Reserve:** This fund is to fund capital projects as planned in the Capital Improvement Program and capital budget. This fund is applied to the Long-Term Financial Plan and Replacement Cost Plan. All connection fees, property taxes and interest income revenue is presently deposited into this fund. Annually an amount equal to current year capital budget is transferred from this fund to the Capital Fund.
- **Compensated Accrual Reserve:** This fund is used to pay the District's accrued vacation liability. District policy allows employees to accrue a maximum of 320 hours vacation time. Vacation accruals are paid to employee upon separation.
- **Defend or Managed Retreat Restricted Reserve:** created in 2017 to address the future needs of the District in response to potential sea level rise issues. The Board determined that the Budget Committee would review annually and make a recommendation as part of the budget process to the full board as to funding.

Resolution 2017-09 refers to a funding goal of \$15M over 15 years.

- **Capital Fund:** Will be drawn down annually to pay for budgeted capital expenditures. It is replenished annually in amount equal to capital budget to meet the next year budgeted capital requirements.
- **O & M Fund:** This fund contains all operating and non-operating revenues not specifically allocable to other funds which may be used for general purposes of the District. All operating and non-operating expenses identified in the budget are financed from this fund.

The policy requires coverage of a minimum of 100% of the total annual operating budget because (a) the District utilizes the property tax rolls to bill for sewer service and is therefore only able to submit rate changes once a year, and (b) covering 100% of the annual operating budget is a conservative position and ensures that should the District need to borrow lenders will look favorably on its operating position.

Budget Development Process

BUDGET DEVELOPMENT PROCESS: 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 operational 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 (July – June). 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/Plant 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 <https://www.cawd.org/board-of-directors-meetings>.

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 Prop 218 Notice for 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 Operations & Maintenance 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/Plant 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

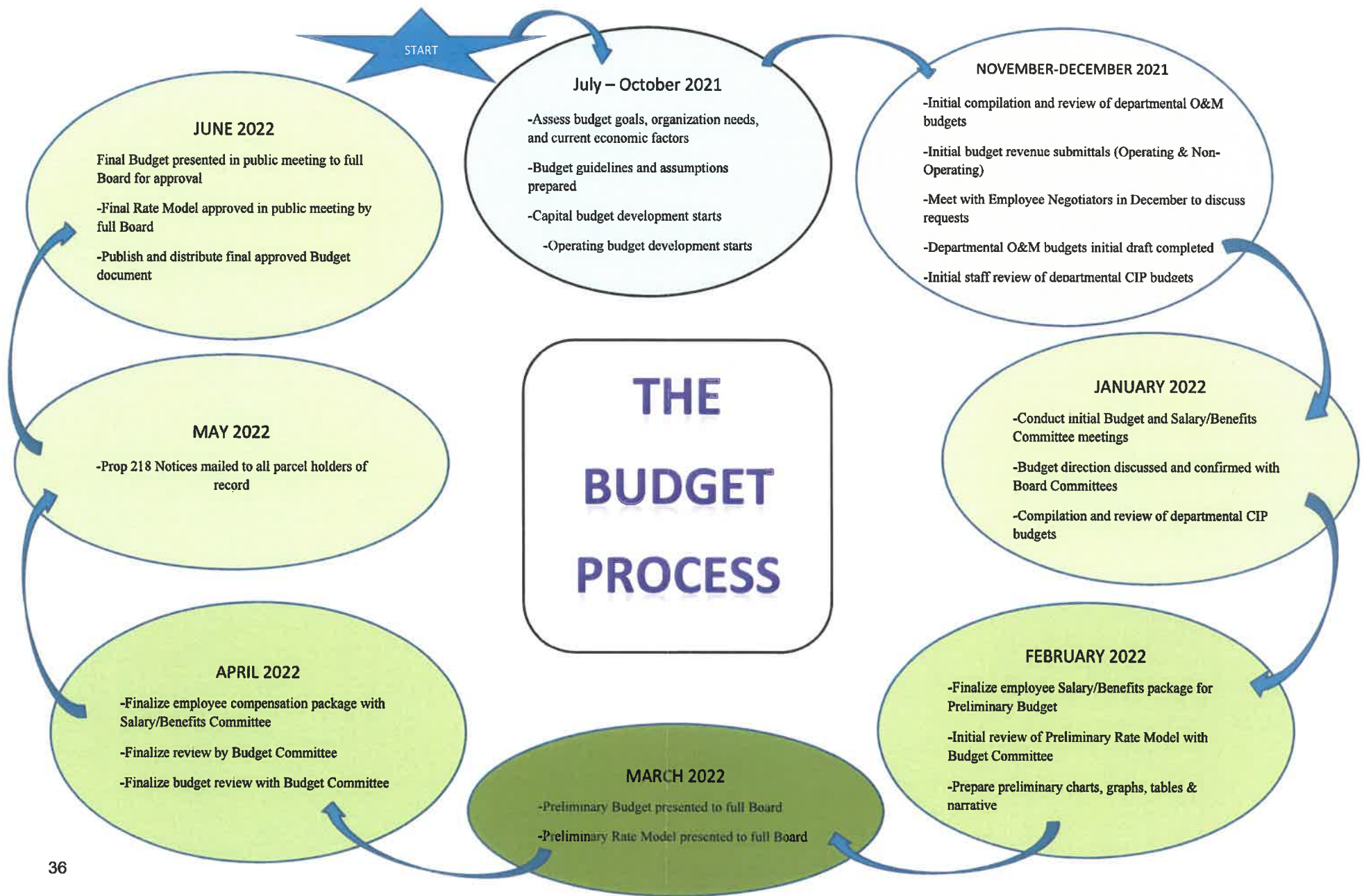
- Promptly inform the General Manager when unforeseen circumstances indicate that budget amounts may be exceeded or that capital/operation planning was incorrect for projects under Engineering purview.

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 Capital Improvement Project (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 January.

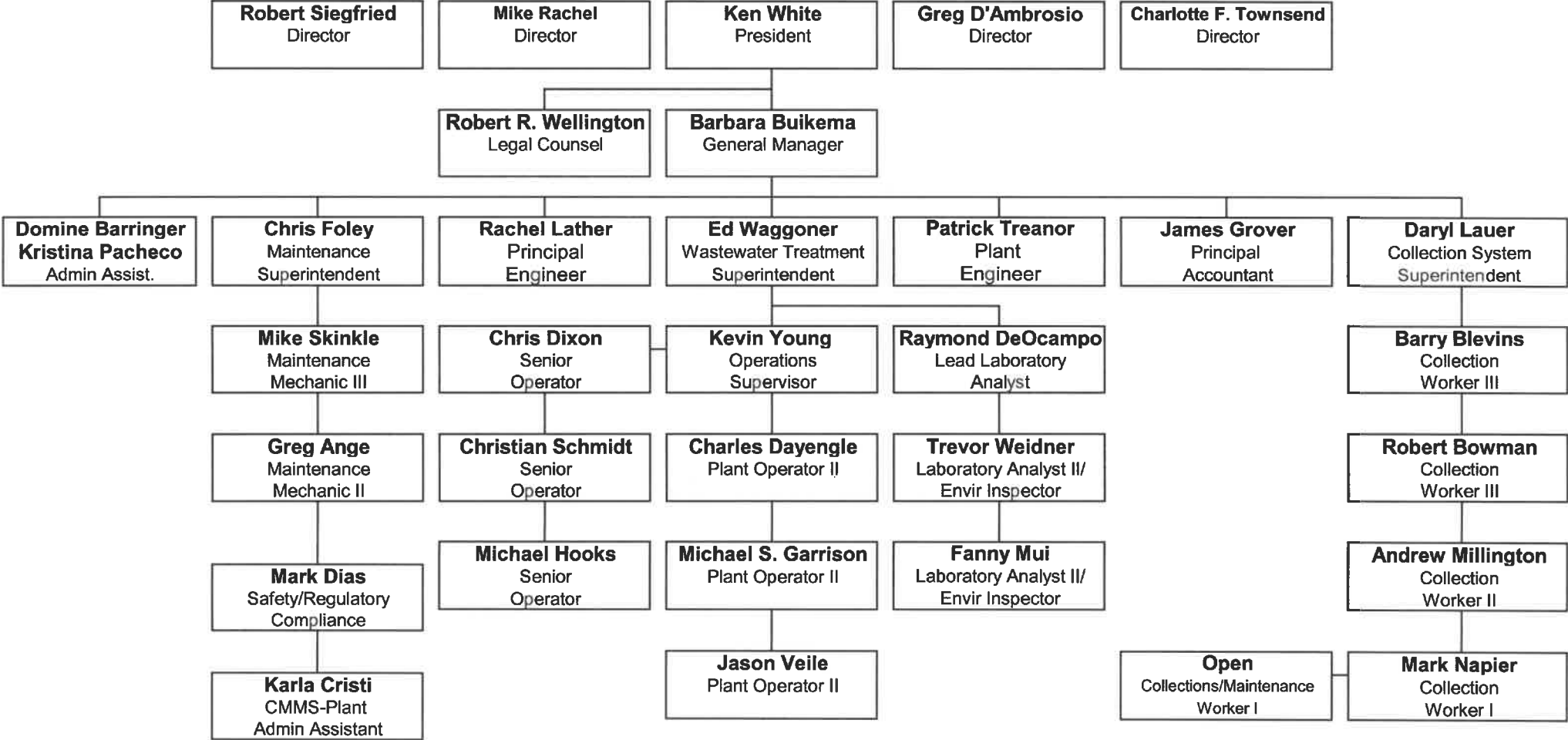


Organizational Chart

CARMEL AREA WASTEWATER DISTRICT

ORGANIZATION CHART

June 2022



Authorized Positions

CAWD Authorized Staff Positions

FY 19/20	FY 20/21	FY 21/22	FY 22/23
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Administration				
General Manager	1	1	1	1
Principal Engineer	1	1	1	1
Principal Accountant	1	1	1	1
Admin Assist/Board Clerk (2 x 0.6)	1.2	1.2	1.2	1.2

Maintenance				
Maintenance Superintendent	1	1	1	1
Maintenance Mechanic III	1	1	1	2
Maintenance Mechanic II	1	1	1	0
Safety/Regulatory Compliance Administrator I	1	1	1	1
Purchaser/Plant Asset Coordinator	0	0	0	1
CMMS-Plant Administrative Coordinator	1	1	1	0

Operations				
Operations Superintendent	1	1	1	1
Plant Engineer	1	1	1	1
Operations Supervisor	1	1	1	1
Laboratory Supervisor	1	1	1	1
Senior Operator	3	3	3	3
Lab Analyst II/Environmental Inspector	1	1	1	2
Plant Operator II	2	3	3	3
Lab Analyst I/Environmental Inspector	1	1	1	0
Plant Operator I	1	0	0	0

Collections				
Collections Superintendent	1	1	1	1
Collections Worker III	2	2	2	2
Collections Worker II	1	1	1	2
Collections Worker I	1	1	1	0
Collections/Maintenance Utility Worker I	0	0	1	1

Total Authorized Staff Positions	26.2	26.2	27.2	27.2
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Operating Budget

Budget Summary

**Carmel Area Wastewater District
Budget Summary
2022-23**

Description	2020-21			Estimated 6-30-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Beginning Fund Balance	32,398,290	32,398,290		38,005,100	38,005,103		38,660,810		33,888,503	
Operating Revenues - CAWD	10,606,726	9,681,311	109.56%	10,100,280	9,845,198	102.59%	11,169,528	10.59%	11,467,774	2.67%
Operating Revenues - Recl	624,870	541,645	115.37%	637,840	663,179	96.18%	663,179	3.97%	690,535	4.13%
	11,231,596	10,222,956	109.87%	10,738,120	10,508,377	102.19%	11,832,707	110.19%	12,158,309	2.75%
Op Expend. (less deprec.)										
Treatment	2,828,298	3,304,762	85.58%	2,750,329	3,311,255	83.06%	4,343,297	57.92%	4,058,784	-6.55%
Maintenance - Plant	1,470,455	1,936,996	75.91%	1,361,985	1,676,935	81.22%	782,188	-42.57%	803,289	2.70%
Administration	1,247,498	1,326,029	94.08%	1,155,031	1,178,634	98.00%	1,367,066	18.36%	1,316,203	-3.72%
Collection	1,522,915	1,439,868	105.77%	1,478,542	1,693,738	87.29%	2,128,802	43.98%	1,903,834	-10.57%
Waste to Energy	13,805	9,108	151.58%	3,001	16,277	18.43%	0	-100.00%	0	∞
Brine Disposal	4,279	7,884	54.28%	5,390	5,340	100.95%	5,463	1.34%	5,463	0.01%
Reclamation Project	624,870	541,645	115.37%	631,530	611,411	103.29%	663,179	5.01%	690,535	4.13%
Total Operating Exp	7,712,122	8,566,292	90.03%	7,385,808	8,493,590	86.96%	9,289,994	25.78%	8,778,109	-5.51%
Operating Gain/(Loss) (exclusive of depreciation)	3,519,474	1,656,664	212.44%	3,352,312	2,014,787	166.39%	2,542,713	-24.15%	3,380,201	32.94%
Depreciation Expense	2,862,471	2,669,000	107.25%	2,669,000	2,669,000	100.00%	2,669,000	0.00%	2,669,000	0.00%
Amortization Expense	0	4,860	0.00%	0	4,860	0.00%	4,860	∞	4,860	0.00%
Operating Gain/(Loss)	657,003	(1,017,196)	-64.59%	683,312	(659,073)	-103.68%	(131,147)	-119.19%	706,341	-638.59%
Non Operating Revenues	2,920,304	3,846,892	75.91%	1,678,197	4,827,479	34.76%	4,890,686	191.43%	3,298,563	-32.55%
Non Operating Reclamation	16,418	278,650	5.89%	128,200	207,750	61.71%	177,410	38.39%	8,000	-95.49%
Non Operating Expend.	214,200	216,962	98.73%	199,781	212,906	93.84%	213,456	6.84%	213,481	0.01%
Net Income/(Loss)	3,379,525	2,891,384	116.88%	2,289,928	4,163,250	55.00%	4,723,493	106.27%	3,799,423	-19.56%
Capital Budget										
Equipment Purchases										

**Carmel Area Wastewater District
Budget Summary
2022-23**

Description	2020-21			Estimated 6-30-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Administration	0	0	∞	0	0	∞	7,000	∞	0	∞
Maintenance	0	16,000	0.00%	0	0	∞	0	∞	0	∞
Collections	554,098	82,508	671.57%	40,531	0	∞	72,500	78.88%	168,500	132.41%
Treatment	40,561	13,500	300.45%	287,749	13,500	2131.47%	57,000	-80.19%	16,000	-71.93%
Capital Improvement Projects										
Administration	0	75,000	0.00%	75,000	66,691	112.46%	25,000	-66.67%	0	-100.00%
Maintenance	0	0	∞	0	24,000	0.00%	0	∞	0	∞
Collections	521,057	5,035,445	10.35%	1,822,072	4,060,000	44.88%	6,430,000	252.89%	3,317,286	-48.41%
Treatment	4,370	50,000	8.74%	0	50,000	0.00%	0	∞	0	∞
Treatment Long Term Capital	658,238	3,667,000	17.95%	1,949,666	5,595,000	34.85%	5,400,750	177.01%	1,020,000	-81.11%
Reclamation Project	16,418	278,650	5.89%	128,200	207,750	61.71%	177,410	38.39%	8,000	-95.49%
Total Capital Budget	1,794,742	9,218,103	19.47%	4,303,218	10,016,941	42.96%	12,169,660	182.80%	4,529,786	-62.78%
Ending Fund Balance	36,845,544	28,745,431	128.18%	38,660,810	34,825,272	111.01%	33,888,503	87.66%	35,831,999	5.73%

Revenues

Carmel Area Wastewater District
Revenues Budget 2022-23

Description	2020-21			Estimated 6-30-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
OPERATING REVENUES										
Sewer service fees - residents	8,941,953	8,471,311	105.56%	8,869,280	8,677,198	102.21%	9,941,528	12.09%	10,239,774	3.00%
Treatment fees - PBCSD	1,597,608	1,200,000	133.13%	1,158,000	1,158,000	100.00%	1,160,000	0.17%	1,160,000	0.00%
Permits & inspection fees	67,165	10,000	671.65%	73,000	10,000	730.00%	68,000	-6.85%	68,000	0.00%
Reclamation Proj O & M reimbursement	624,870	541,645	115.37%	637,840	663,179	96.18%	663,179	3.97%	690,535	4.13%
<i>Total Operating</i>	11,231,596	10,222,956	109.87%	10,738,120	10,508,377	102.19%	11,832,707	110.19%	12,158,309	2.75%
NON OPERATING REVENUES										
Property tax revenue	2,296,166	1,858,219	123.57%	2,330,000	2,100,000	43.61%	2,376,600	2.00%	2,424,132	2.00%
Interest Income	319,244	250,000	127.70%	293,160	450,000	65.15%	300,000	2.33%	300,000	0.00%
Liquid food waste	4,923	8,500	57.92%	3,685	5,000	73.70%	0	-100.00%	0	∞
Brine disposal	86,488	65,000	∞	96,039	79,000	121.57%	80,000	-16.70%	80,000	0.00%
Highlands Inn assessment revenue		223,689	0.00%	212,906	212,900	100.00%	213,456	0.26%	213,481	0.01%
Reimbursement from PBCSD for 1/3 secondary treatment plant improv.	157,306	1,144,834	13.74%	915,859	1,752,829	52.25%	1,723,220	88.15%	252,950	-85.32%
Plant Connection fees	29,379	18,000	163.22%	18,862	20,000	94.31%	20,000	6.03%	20,000	0.00%
Other	10,381	0	∞	9,485	0	∞	0	-100.00%	0	∞
Reclamation Project reimbursement	16,418	278,650	5.89%	128,200	207,750	61.71%	177,410	38.39%	8,000	-95.49%
<i>Total Non Operating</i>	2,920,304	3,846,892	75.91%	1,678,197	4,827,479	34.76%	4,890,686	291.43%	3,298,563	-32.55%
TOTAL REVENUES	14,151,900	14,069,848	100.58%	12,416,317	15,335,856	80.96%	16,723,393	134.69%	15,456,872	-7.57%

Non-Operating Expenses

**Carmel Area Wastewater District
Non-Operating Expenses Budget
2022-23**

Description	2020-21			Estimated 06-30-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
NON OPERATING EXPENSES										
Debt Service - Principal*	170,000	170,000	100.00%	175,000	175,000	100.00%	185,000	5.71%	195,000	5.41%
Debt Service - Interest	42,000	44,362	94.68%	22,181	35,306	62.83%	25,856	16.57%	15,881	-38.58%
Bond Fees	2,200	2,600	84.62%	2,600	2,600	100.00%	2,600	0.00%	2,600	0.00%
TOTAL	214,200	216,962	98.73%	199,781	212,906	93.84%	213,456	6.84%	213,481	0.01%

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 2022-23**

Description	2020-21			Estimated thru 06-30-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Total Salaries	2,723,873	2,684,941	101.45%	2,872,488	2,677,632	107.28%	3,041,725	5.89%	3,140,786	3.26%
Total Payroll Taxes	222,249	203,892	109.00%	219,523	204,945	107.11%	232,692	6.00%	240,270	3.26%
Total Employee Benefits	1,468,251	932,291	157.49%	839,181	932,517	89.99%	919,619	9.59%	964,657	4.90%
Total Directors Fees	18,963	36,300	52.24%	17,656	33,200	53.18%	33,200	88.04%	33,200	0.00%
Total Trucks & Autos	68,546	58,430	117.31%	56,258	48,265	116.56%	72,910	29.60%	55,635	-23.69%
Total Insurance	164,764	151,988	108.41%	188,305	191,225	98.47%	184,235	-2.16%	202,083	9.69%
Audit/Financial Expense	29,550	40,000	73.88%	25,175	40,000	62.94%	22,550	-10.43%	23,226	3.00%
Total Engineering Fees	91,634	450,000	20.36%	46,392	400,000	11.60%	401,500	765.46%	401,500	0.00%
Total Attorney Fees	65,068	156,000	41.71%	45,327	77,000	58.87%	76,000	67.67%	76,000	0.00%
Total Office Supplies & Svc.	44,155	67,600	65.32%	68,010	65,375	104.03%	98,425	44.72%	63,325	-35.66%
Total Operating Supplies	348,154	460,982	75.52%	452,846	441,792	102.50%	459,122	1.39%	452,280	-1.49%
Total Contractual Services	809,950	1,278,655	63.34%	981,683	1,238,250	79.28%	871,576	-11.22%	903,681	3.68%
Total Maint & Repairs	431,178	594,850	72.49%	371,622	753,450	49.32%	1,010,315	171.87%	820,001	-18.84%
Total Utilities	304,629	440,677	69.13%	311,771	415,868	74.97%	341,920	9.67%	370,531	8.37%
Total Telephone	45,273	50,095	90.37%	40,394	45,200	89.37%	40,113	-0.70%	42,608	6.22%
Total Travel & Meetings	9,170	79,700	11.51%	11,540	54,935	21.01%	52,015	350.74%	52,900	1.70%
Total Permitting	50,279	60,412	83.23%	46,656	54,350	85.84%	53,088	13.79%	43,572	-17.92%
Total Membership/Subscrip.	53,281	74,819	71.21%	47,566	67,265	70.71%	66,860	40.56%	68,467	2.40%

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2022-23**

Description	2020-21			Estimated thru 06-30-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Total Safety Expenses	104,906	154,315	67.98%	76,930	89,910	85.56%	108,950	41.62%	90,850	-16.61%
Total Other Expense	33,382	48,700	68.55%	34,955	51,000	68.54%	540,000	1444.84%	42,000	-92.22%
CAWD Subtotal	7,087,252	8,024,647	88.32%	6,754,277	7,882,179	85.69%	8,626,815	27.72%	8,087,573	-6.25%
Reclamation Project	624,870	541,645	115.37%	631,530	611,411	103.29%	663,179	5.01%	690,535	4.13%
Final Subtotal	7,712,122	8,566,292	90.03%	7,385,808	8,493,590	86.96%	9,289,994	25.78%	8,778,109	-5.51%
Depreciation Expense	2,862,471	2,669,000	107.25%	2,669,000	2,669,000	100.00%	2,669,000	0.00%	2,669,000	0.00%
Amortization Expense	0	4,860	0.00%	0	4,860	0.00%	4,860	∞	4,860	0.00%
Total Operating Expense	10,574,593	11,240,152	94.08%	10,054,808	11,167,450	90.04%	11,963,854	18.99%	11,451,969	-4.28%

Consolidated Departmental Expenses – Detail

**Carmel Area Wastewater District
Consolidated Departmental Detail Operating Budget 2022-23**

Description	Acct	2020-21			Est. 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Salaries	5030.006	2,656,842	2,576,741	103.11%	2,798,691	2,612,732	107.12%	2,970,625	6.14%	3,074,686	3.50%
Salaries - Overtime	5035.006	32,146	56,000	57.40%	38,397	29,500	130.16%	36,300	-5.46%	31,300	-13.77%
Salaries - Standby	5040.006	34,885	52,200	66.83%	35,400	35,400	100.00%	34,800	-1.69%	34,800	0.00%
<i>Total Salaries</i>		2,723,873	2,684,941	101.45%	2,872,488	2,677,632	107.28%	3,041,725	5.89%	3,140,786	3.26%
Payroll Taxes	5045.006	222,249	203,892	109.00%	219,523	204,945	107.11%	232,692	6.00%	240,270	3.26%
<i>Total Payroll Taxes</i>		222,249	203,892	109.00%	219,523	204,945	107.11%	232,692	6.00%	240,270	3.26%
Employee Benefits:											
Medical Insurance - Premium	5070.006	359,280	346,842	103.59%	378,674	379,615	99.75%	404,200	6.74%	427,050	5.65%
CalPERS retirement	5080.006	1,048,682	278,437	376.63%	254,862	285,177	89.37%	269,071	5.58%	281,926	4.78%
SAM retirement	5090.006	0	0	∞	0	0	∞	0	∞	0	∞
Workers Compensation	5100.006	88,244	115,721	76.26%	89,907	112,817	79.69%	112,555	25.19%	117,742	4.61%
Life Insurance	5110.006	2,948	8,501	34.68%	2,861	2,972	96.25%	2,950	3.12%	2,950	0.00%
PEHP	5120.006	38,205	35,450	107.77%	39,594	37,968	104.28%	40,898	3.29%	42,456	3.81%
Dental Insurance/Claims	5130.006	34,035	38,200	89.10%	36,389	34,600	105.17%	34,300	-5.74%	34,500	0.58%
Vision Insurance	5140.006	7,438	8,350	89.08%	7,866	8,245	95.40%	8,285	5.33%	8,385	1.21%
Long Term Disability	5150.006	19,292	26,506	72.78%	19,527	17,790	109.76%	20,305	3.98%	20,533	1.12%
HSA Contributions	5160.006	47,684	73,909	64.52%	40,894	42,588	96.02%	42,800	4.66%	44,800	4.67%
HRA Contributions	5165.006	0	340	∞	0	0	∞	0	∞	0	∞
Employee Assistance Program	5180.006	2,699	4,400	61.34%	2,826	3,575	79.06%	2,820	-0.22%	2,880	2.13%
Employee Awards	5185.006	171	0	∞	300	690	∞	300	0.00%	300	0.00%
Employee lunches		240	300	79.99%	291	300	97.07%	825	183.31%	825	0.00%
Annual District picnic		1,456	4,380	33.24%	3,588	4,730	75.86%	3,800	5.91%	3,800	0.00%
Medical Exams	5200.006	662	1,500	44.13%	1,226	1,450	84.55%	1,510	23.17%	1,510	0.00%
<i>Total Employee Benefits</i>		1,468,251	932,291	157.49%	839,181	932,517	89.99%	919,619	9.59%	964,657	4.90%
Directors Fees											
Regular Board Meetings	5230.007	8,800	8,800	100.00%	8,800	8,800	100.00%	8,800	0.00%	8,800	0.00%
PBCSD - Directors fees	5240.007	1,250	1,750	71.43%	1,400	1,400	100.00%	1,400	0.00%	1,400	0.00%
Special Board Meetings	5250.007	750	5,700	13.16%	700	7,600	9.21%	7,600	985.71%	7,600	0.00%
Committee meetings	5260.007	1,800	2,100	85.71%	2,300	2,300	100.00%	2,300	0.00%	2,300	0.00%
Special District Assoc.	5265.007	0	100	∞	100	100	100.00%	100	0.00%	100	0.00%
WateReuse	5269.007	0	1,500	0.00%	0	0	∞	0	∞	0	∞
CASA - Directors fees	5270.007	0	1,350	0.00%	0	0	∞	0	∞	0	∞
Training	5275.007	75	3,000	∞	100	3,000	3.33%	3,000	∞	3,000	0.00%
Director's Dental Claims	5280.007	6,288	12,000	52.40%	4,256	10,000	42.56%	10,000	134.96%	10,000	0.00%

**Carmel Area Wastewater District
Consolidated Departmental Detail Operating Budget 2022-23**

Description	Acct	2020-21			Est. 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
<i>Total Directors Fees</i>		18,963	36,300	52.24%	17,656	33,200	53.18%	33,200	88.04%	33,200	0.00%
<i>Trucks & Autos</i>											
Gasoline	5310.006	12,839	8,450	151.94%	7,908	8,950	88.35%	16,925	114.03%	11,450	-32.35%
Diesel	5320.006	12,089	22,200	54.46%	9,861	7,000	140.87%	29,900	203.21%	13,000	-56.52%
Fuelmaster		550	560	98.21%	550	550	100.00%	0	-100.00%	0	<u>8</u>
Oil & Grease	5330.006	483	800	60.35%	1,395	1,400	99.64%	6,000	330.12%	6,000	0.00%
Tires, Batteries, Service	5340.006	1,130	4,100	27.56%	5,924	5,300	111.77%	200	-96.62%	200	0.00%
Outside Repair Service	5345.006	16,552	11,800	140.27%	2,547	5,300	48.07%	6,500	155.16%	6,600	1.54%
Repair Parts	5350.006	9,249	2,600	355.75%	8,450	7,075	119.43%	11,575	36.98%	16,575	43.20%
Tools	5355.006	625	800	78.15%	1,219	1,500	81.24%	0	<u>8</u>	0	<u>8</u>
Vehicle Accessories	5360.006	12,391	1,600	774.46%	15,525	8,000	194.06%	0	-100.00%	0	<u>8</u>
Driver medical exams	5370.006	600	170	<u>8</u>	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Smog Check - Vehicles	5380.006	130	700	18.57%	522	640	81.51%	110	-78.91%	110	0.00%
DATCO Drug Testing	5400.006	803	2,100	38.24%	836	1,000	83.56%	1,000	19.68%	1,000	0.00%
Cleaning & detailing	5410.006	14	1,650	0.85%	1,166	750	155.48%	650	-44.26%	650	0.00%
Paint & fluids	5420.006	165	300	54.85%	306	300	102.00%	0	<u>8</u>	0	<u>8</u>
EE mileage reimbursement	5430.007	0	100	0.00%	50	50	100.00%	50	<u>8</u>	50	0.00%
Waste oil & coolants disposal	5440.006	925	500	185.00%	0	450	0.00%	0	<u>8</u>	0	<u>8</u>
<i>Total Trucks & Autos</i>		68,546	58,430	117.31%	56,258	48,265	116.56%	72,910	29.60%	55,635	-23.69%
<i>Property/Liability/Auto Insurance</i>											
Auto insurance	5450.006	18,162	13,642	133.14%	29,915	19,100	156.62%	10,729	-64.13%	11,542	7.58%
Property Insurance	5480.006	21,345	19,812	107.74%	73,816	21,845	337.91%	80,977	9.70%	88,791	9.65%
General Liability	5480.006	116,457	109,734	106.13%	77,151	140,155	55.05%	84,388	9.38%	92,827	10.00%
Errors & Omissions	5480.007	5,520	5,520	100.00%	2,538	6,350	39.97%	2,792	10.00%	3,071	10.00%
Commerical Crime Policy	5480.007	1,550	1,550	100.00%	885	1,785	49.58%	974	10.00%	1,071	10.00%
Cyber Crime Insurance		1,730	1,730	100.00%	4,000	1,990	201.01%	4,375	9.38%	4,781	9.27%
<i>Total Insurance</i>		164,764	151,988	108.41%	188,305	191,225	98.47%	184,235	-2.16%	202,083	9.69%
<i>Audit/Financial Expense</i>	5490.007	29,550	40,000	73.88%	25,175	40,000	62.94%	22,550	-10.43%	23,226	3.00%
<i>Engineering Fees</i>											
Consulting Fees	5500.006	91,634	450,000	20.36%	46,392	400,000	11.60%	401,500	765.46%	401,500	0.00%
<i>Total Engineering Fees</i>		91,634	450,000	20.36%	46,392	400,000	11.60%	401,500	765.46%	401,500	0.00%
<i>Attorney Fees</i>											
District Counsel	5510.006	65,068	86,000	75.66%	45,327	72,000	62.95%	71,000	56.64%	71,000	0.00%

**Carmel Area Wastewater District
Consolidated Departmental Detail Operating Budget 2022-23**

Description	Acct	2020-21			Est. 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Outside Counsel		0	70,000	0.00%	0	5,000	0.00%	5,000	∞	5,000	0.00%
<i>Total Attorney Fees</i>		65,068	156,000	41.71%	45,327	77,000	58.87%	76,000	67.67%	76,000	0.00%
Office Supplies & Service											
Bank fees	5515.007	2,592	3,150	82.29%	100	100	100.00%	100	0.00%	100	0.00%
Public Outreach & Promotion	5519.007	8,870	1,500	∞	6,500	6,500	100.00%	6,500	0.00%	6,500	0.00%
Computers & Equip	5540.006	15,050	32,300	46.59%	14,116	27,700	50.96%	37,300	164.23%	27,000	-27.61%
Furnishings & fixtures	5545.006	2,871	4,800	59.82%	8,126	4,300	188.98%	6,500	-20.01%	6,800	4.62%
Paper & printing	5550.006	2,002	10,300	19.44%	1,353	9,325	14.51%	1,525	12.69%	1,525	0.00%
District Codification		0	0	∞	20,000	0	∞	25,000	25.00%	0	∞
Postage & shipping	5560.006	2,002	2,600	76.99%	1,917	3,100	61.85%	3,200	66.89%	2,500	-21.88%
Office supplies	5570.006	10,543	8,650	121.88%	15,331	10,050	152.55%	17,500	14.15%	18,300	4.57%
Equipment repairs	5590.006	0	500	0.00%	0	500	0.00%	0	∞	0	∞
Post Office Box Rental	5585.007	226	300	75.33%	285	300	95.00%	300	5.26%	300	0.00%
Temp Services	5595.007	0	3,500	0.00%	280	3,500	8.00%	500	∞	300	-40.00%
<i>Total Office Supplies & Svc.</i>		44,155	67,600	65.32%	68,010	65,375	104.03%	98,425	44.72%	63,325	-35.66%
Operating Supplies											
Chemicals	5615.006	630	4,000	15.74%	0	5,000	0.00%	3,500	∞	3,850	10.00%
Phenylarsine oxide	5625.006	698	750	∞	0	810	0.00%	810	∞	900	11.11%
Sodium hypochlorite	5635.006	69,470	97,750	0.00%	102,010	101,500	0.00%	109,000	6.85%	118,000	0.00%
Sodium bisulfite	5630.006	75,123	75,000	100.16%	102,320	84,000	121.81%	86,520	-15.44%	94,000	8.65%
Ferric chloride	5640.006	15,554	31,000	50.17%	41,632	31,000	134.30%	32,900	-20.97%	35,000	6.38%
Polymer	5650.006	52,240	55,000	94.98%	44,068	65,000	67.80%	65,000	47.50%	72,500	11.54%
Acetic Acid	5660.006	1,003	1,100	91.15%	392	1,100	35.59%	1,100	180.95%	1,200	9.09%
Iodine solution	5665.006	267	300	88.92%	0	300	0.00%	300	∞	330	10.00%
Potassium iodate	5670.006	767	1,000	76.75%	0	1,000	0.00%	1,000	∞	1,100	10.00%
Generator fuel	5675.006	1,445	2,500	57.79%	0	500	0.00%	0	∞	0	∞
Lubricants & packing	5680.006	3,778	500	755.56%	0	2,000	0.00%	0	∞	0	∞
Electrical Supplies	5690.006	28,044	33,900	82.73%	13,132	16,100	81.57%	700	-94.67%	700	0.00%
Laboratory	5700.006	29,796	39,432	75.56%	35,469	39,432	89.95%	49,092	38.41%	44,000	-10.37%
Paint & fluids	5710.006	1,311	5,000	26.23%	8,998	11,000	81.80%	9,500	5.58%	9,500	0.00%
Janitorial	5730.006	123	800	15.42%	614	800	76.69%	750	22.24%	750	0.00%
Personnel	5740.006	2,073	4,500	46.06%	1,922	5,000	38.44%	500	-73.99%	500	0.00%
Radios & supplies	5745.006	2,698	2,050	131.60%	3,621	3,650	99.20%	2,200	∞	2,200	∞
Welding	5750.006	216	500	43.27%	0	200	0.00%	0	∞	0	∞
Hand tools	5780.006	15,040	12,000	125.34%	5,567	12,000	46.39%	12,500	124.55%	10,000	-20.00%

**Carmel Area Wastewater District
Consolidated Departmental Detail Operating Budget 2022-23**

Description	Acct	2020-21			Est. 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
General supplies	5790.006	47,539	42,800	111.07%	80,681	50,300	160.40%	56,550	-29.91%	56,550	0.00%
COVID Safety		0	50,000	<u>∞</u>	12,252	10,000	122.52%	18,200	48.54%	0	-100.00%
Source control	5795.006	340	1,100	30.91%	169	1,100	15.35%	9,000	5231.33%	1,200	-86.67%
<i>Total Operating Supplies</i>		348,154	460,982	75.52%	452,846	441,792	102.50%	459,122	1.39%	452,280	-1.49%
Contractual Services											
Root foaming	5865.005	66,654	65,000	102.54%	66,500	66,500	100.00%	67,000	0.75%	67,000	0.00%
Pump station monitoring	5870.005	3,449	12,000	28.74%	1,207	7,500	16.09%	0	-100.00%	0	<u>∞</u>
Collection system capacity monitoring	5875.005	0	8,500	0.00%	0	17,000	0.00%	10,000	<u>∞</u>	10,000	0.00%
Underground Service Alert	5930.005	3,078	3,500	87.94%	5,203	3,500	148.67%	3,900	-25.05%	4,000	2.56%
Sludge Haul/Disposal	5820.006	68,947	103,000	66.94%	85,287	103,000	82.80%	103,000	20.77%	110,000	6.80%
Network Administration	5830.006	100,498	134,245	74.86%	206,216	170,700	120.81%	183,622	-10.96%	195,568	6.51%
Website Maintenance	5835.007	4,800	4,800	100.00%	4,746	4,800	98.87%	4,983	5.00%	5,232	5.00%
Laboratory Analysis	5840.006	33,370	52,410	63.67%	23,843	57,700	41.32%	57,700	142.00%	61,000	5.72%
Microturbine Service	5850.006	1,598	3,000	53.25%	26,391	4,000	659.78%	0	-100.00%	0	<u>∞</u>
Mechanical Service		9,178	25,000	36.71%	35,911	15,000	239.41%	30,000	-16.46%	30,000	0.00%
HVAC Service		3,214	20,000	16.07%	0	5,000	0.00%	1,500	<u>∞</u>	1,500	0.00%
Systems Integrator		205,521	245,000	83.89%	70,133	210,000	33.40%	30,000	-57.22%	55,000	83.33%
Equipment service (carts, lifts, forklift, boil		7,406	3,000	246.86%	0	5,000	0.00%	2,000	<u>∞</u>	2,000	0.00%
Plant Electrical Rehabilitation	5855.006	95,356	140,000	68.11%	119,579	170,000	70.34%	115,000	-3.83%	105,000	-8.70%
Alarm System	5880.006	4,168	10,200	40.87%	5,446	8,000	68.07%	6,200	13.85%	6,300	1.61%
HR Consulting	5885.006	54,713	60,000	91.19%	12,000	67,000	17.91%	74,000	516.67%	62,570	-15.45%
Equip rental	5890.006	0	5,400	0.00%	0	4,400	0.00%	6,000	<u>∞</u>	6,000	0.00%
Janitorial Service	5900.006	11,250	14,500	77.59%	14,519	15,050	96.47%	17,840	22.87%	18,732	5.00%
Copier Service	5910.006	3,635	12,200	29.79%	5,441	7,000	77.73%	7,328	34.68%	7,550	3.03%
Actuarial Service	5920.007	10,580	10,000	105.80%	6,647	10,000	66.47%	10,000	50.44%	10,000	0.00%
Laundry	5940.006	17,805	22,100	80.57%	21,189	23,400	90.55%	19,700	-7.03%	20,200	2.54%
Payroll Processing	5950.007	7,247	7,100	102.07%	6,829	8,000	85.36%	8,000	17.15%	8,000	0.00%
Data processing - County	5970.007	25,681	22,550	113.88%	26,965	22,550	119.58%	28,313	5.00%	29,729	5.00%
Landscape Maintenance	5980.006	6,790	14,500	46.83%	19,943	14,000	142.45%	8,600	-56.88%	8,700	1.16%
Hazard/Green Waste Disposal	5990.006	1,388	0	<u>∞</u>	803	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Grit & Screening Disposal	6000.006	15,962	23,100	69.10%	22,986	27,500	83.58%	25,000	8.76%	27,000	8.00%
Pest Control	6010.006	3,288	3,000	109.60%	3,350	6,750	49.63%	3,400	1.50%	3,500	<u>∞</u>
Sewer/pretreatment ordinance	6015.006	0	0	<u>∞</u>	1,217	2,500	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Instrumentation Services	6020.006	2,774	28,200	9.84%	1,247	17,700	7.05%	17,760	1324.22%	18,000	1.35%
Hoist Certification	6030.006	1,908	2,700	70.66%	0	2,500	0.00%	2,500	<u>∞</u>	2,500	0.00%

**Carmel Area Wastewater District
Consolidated Departmental Detail Operating Budget 2022-23**

Description	Acct	2020-21			Est. 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Fuel tank cleaning	6035.004	118	0	<u>∞</u>	0	3,800	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Hazardous chemical disposal	6040.006	174	1,000	17.40%	482	1,000	48.20%	1,200	<u>∞</u>	1,200	0.00%
Outfall Inspection	6045.006	10,000	12,650	79.05%	18,984	15,000	126.56%	15,130	-20.30%	15,500	2.45%
Lagoon Inspection	6046.006	3,125	5,000	<u>∞</u>	8,316	5,000	166.32%	4,500	-45.89%	4,500	0.00%
Ocean Monitoring Program	6050.006	0	0	<u>∞</u>	0	7,400	<u>∞</u>	7,400	<u>∞</u>	7,400	0.00%
Other Special Studies	6070.006	8,152	25,000	32.61%	8,390	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Plant tree trimming		18,126	180,000	10.07%	138,410	130,000	106.47%	0	<u>∞</u>	0	<u>∞</u>
<i>Total Contractual Services</i>		809,950	1,278,655	63.34%	981,683	1,238,250	79.28%	871,576	-11.22%	903,681	3.68%
<i>Repairs & Maintenance</i>											
Easements	6100.005	23,448	35,000	66.99%	14,685	30,000	48.95%	60,000	308.59%	60,000	0.00%
Pump stations	6110.005	23,584	52,500	44.92%	9,978	20,000	49.89%	0	-100.00%	0	<u>∞</u>
Pump station equipment	6120.005	5,787	15,000	38.58%	9,008	35,000	25.74%	50,000	455.03%	50,000	0.00%
Sewer lines	6130.005	10,825	50,000	21.65%	149,927	150,000	99.95%	150,000	0.05%	150,000	0.00%
Manholes	6140.005	65,691	55,000	119.44%	26,144	205,000	12.75%	362,300	1285.78%	250,000	-31.00%
Generators	6200.005	7,731	3,500	220.88%	10,351	3,500	295.74%	6,000	-42.03%	6,000	0.00%
General Repairs	6095.006	46,917	59,000	79.52%	17,627	40,000	44.07%	23,365	32.55%	23,501	0.58%
Electric Motors	6150.006	118	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Microturbine R & M/Flare	6160.006	6,296	10,000	62.96%	0	10,000	0.00%	6,000	<u>∞</u>	15,000	150.00%
Plant Pumps	6190.006	0	500	<u>∞</u>	0	500	0.00%	500	<u>∞</u>	500	0.00%
Standby Generator/Switchgear	6200.006	40	5,000	0.80%	0	2,500	0.00%	30,000	<u>∞</u>	10,000	-66.67%
Aeration Blowers	6210.006	0	0	<u>∞</u>	0	0	<u>∞</u>	60,000	<u>∞</u>	35,000	-41.67%
Instruments	6220.006	1,750	8,000	21.88%	1,200	8,000	15.00%	0	-100.00%	0	<u>∞</u>
Boiler Repairs	6230.006	8,227	3,900	<u>∞</u>	6,863	4,500	152.50%	0	-100.00%	0	<u>∞</u>
Lab Equipment	6240.006	3,852	15,000	25.68%	13,123	17,000	77.19%	32,700	149.19%	0	-100.00%
Pretreatment	6245.004	29,433	50,000	58.87%	47,264	50,000	94.53%	0	-100.00%	0	<u>∞</u>
Headworks - Primary	6250.006	737	4,750	15.52%	0	4,750	0.00%	34,750	<u>∞</u>	45,000	29.50%
IPS/EPS/DAF	6260.006	24,729	5,700	433.85%	1,229	5,700	21.56%	0	-100.00%	0	<u>∞</u>
Effluent/Outfall		24,497	25,000	97.99%	1,063	35,000	3.04%	35,000	3191.62%	30,000	-14.29%
Disinfection (Hypo/SBS/CDC)	6270.006	42,718	22,000	194.17%	2,207	32,000	6.90%	28,000	1168.44%	20,000	-28.57%
Solids Trmt (Dewatering/DIG)	6280.006	42,615	48,000	88.78%	14,190	33,000	43.00%	34,700	144.54%	40,000	15.27%
Aeration - Secondary	6300.006	36,951	47,000	78.62%	15,716	27,000	58.21%	22,000	39.98%	35,000	59.09%
Plant Utilities(1PS/3PS/StormP	6315.006	7,799	50,000	15.60%	3,503	25,000	14.01%	10,000	185.46%	10,000	0.00%
Buildings	6320.006	17,434	30,000	58.11%	27,543	15,000	183.62%	25,000	-9.23%	40,000	60.00%
<i>Total Repairs & Maint</i>		431,178	594,850	72.49%	371,622	753,450	49.32%	1,010,315	171.87%	820,001	-18.84%

**Carmel Area Wastewater District
Consolidated Departmental Detail Operating Budget 2022-23**

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		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Utilities											
Electricity	6352.006	256,732	374,650	68.53%	236,175	360,745	65.47%	263,605	11.61%	286,768	8.79%
Co-Gen Non Energy	6359.006	4,454	0	∞	2,833	4,300	∞	4,300	51.79%	4,300	0.00%
Gas	6360.006	27,330	46,962	58.20%	51,279	33,373	153.65%	55,497	8.23%	60,160	8.40%
Propane	6370.006	1,712	1,800	95.10%	614	2,200	27.93%	2,200	258.08%	2,250	2.27%
Water	6380.006	11,147	14,090	79.11%	19,059	11,800	161.52%	12,137	-36.32%	12,834	5.74%
Garbage	6385.006	2,215	2,175	101.85%	744	2,250	33.07%	2,781	273.79%	2,820	1.40%
Cable television	6390.006	1,038	1,000	103.79%	1,066	1,200	88.87%	1,400	31.28%	1,400	0.00%
<i>Total Utilities</i>		304,629	440,677	69.13%	311,771	415,868	74.97%	341,920	9.67%	370,531	8.37%
Telephone											
Fixed Costs	6392.006	30,838	39,345	78.38%	32,417	31,200	103.90%	29,309	-9.59%	31,074	6.02%
Cellular Phones	6393.006	14,435	10,750	134.28%	7,977	14,000	56.98%	10,804	35.43%	11,534	6.76%
<i>Total Telephone</i>		45,273	50,095	90.37%	40,394	45,200	89.37%	40,113	-0.70%	42,608	6.22%
Travel & Training											
Employee Training	6420.006	6,360	50,340	12.63%	6,993	28,935	24.17%	28,645	309.61%	29,500	2.98%
Conferences	6430.006	2,432	25,910	9.38%	3,334	22,350	14.92%	20,170	505.00%	20,200	0.15%
Business meetings	6440.006	379	3,450	10.99%	1,213	3,650	33.23%	3,200	163.85%	3,200	0.00%
<i>Total Travel & Meetings</i>		9,170	79,700	11.51%	11,540	54,935	21.01%	52,015	350.74%	52,900	1.70%
Permitting											
State Water Resource Control	6470.005	2,848	2,700	105.48%	3,649	2,950	123.69%	3,100	-15.05%	3,200	3.23%
MUAPCB	6480.005	3,190	3,250	98.15%	3,301	3,200	103.16%	3,500	6.03%	3,600	2.86%
Regional Water Quality Board	6470.006	28,198	25,000	112.79%	29,573	25,000	118.29%	30,000	1.44%	30,000	0.00%
Air Pollution Control Permit	6480.006	4,444	6,500	68.37%	4,531	3,500	129.46%	4,688	3.47%	4,922	4.99%
Environmental Health Permit	6490.006	1,833	3,800	48.24%	2,000	2,500	80.00%	1,800	-10.00%	1,850	2.78%
Dept. Food & Ag	6505.006	7,100	7,000	101.43%	0	7,200	0.00%	0	∞	0	∞
Lab Registration Fees	6510.006	2,666	12,162	21.92%	3,602	10,000	36.02%	10,000	177.65%	0	-100.00%
<i>Total Permitting</i>		50,279	60,412	83.23%	46,656	54,350	85.84%	53,088	13.79%	43,572	-17.92%
Membership/Subscriptions											
LAFCO Admin Fee	6520.007	17,397	22,000	79.08%	19,218	22,000	87.35%	23,550	122.54%	24,728	5.00%
Employee Certification	6550.006	3,940	4,250	92.71%	1,893	4,800	39.43%	3,250	71.71%	3,250	0.00%
CWEA	6560.006	3,354	4,100	81.81%	2,937	5,490	53.49%	6,350	116.23%	6,350	0.00%
No. Am Soc for Trenchless	6565.005	0	600	∞	0	300	∞	0	∞	0	∞
CASA	6570.006	13,600	23,722	57.33%	13,600	14,500	93.79%	14,280	5.00%	14,280	0.00%
WEF	6580.006	996	1,020	97.65%	0	1,100	0.00%	350	∞	350	0.00%
Lab memberships	6585.006	38	500	7.50%	0	400	∞	0	∞	0	∞

**Carmel Area Wastewater District
Consolidated Departmental Detail Operating Budget 2022-23**

Description	Acct	2020-21			Est. 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
WaterReuse	6600.006	0	300	0.00%	0	300	0.00%	300	∞	300	0.00%
Other		10,737	13,377	80.26%	8,854	13,425	65.95%	14,230	60.72%	14,660	3.02%
Subscriptions/Publications	6640.006	3,219	4,950	65.03%	1,064	4,950	21.50%	4,550	327.47%	4,550	0.00%
<i>Total Membership/Subscrip.</i>		53,281	74,819	71.21%	47,566	67,265	70.71%	66,860	40.56%	68,467	2.40%
Safety											
First Aid Supplies	6710.006	80	100	79.98%	0	200	∞	0	∞	0	∞
First Aid/Medical Services	6720.006	0	1,250	0.00%	0	500	0.00%	500	∞	500	0.00%
Fire Extinguisher Service	6730.006	1,392	3,800	36.63%	3,296	2,300	143.30%	2,450	-25.66%	2,550	4.08%
Safety Supplies/Emerg Respon:	6735.006	15,782	10,000	157.82%	20,053	10,500	190.98%	14,000	-30.18%	14,000	0.00%
Emergency Response Supplies	6740.006	2,710	4,960	54.65%	2,501	3,900	64.12%	1,500	-40.02%	1,500	0.00%
Uniforms/Boots/Gear	6750.006	4,913	5,130	95.78%	6,670	4,000	166.74%	7,000	4.95%	7,300	4.29%
Safety Training	6760.006	14,779	26,075	56.68%	44,124	25,910	170.30%	51,500	16.72%	52,500	1.94%
Policy & Procedures	6770.004	0	3,000	0.00%	0	2,500	∞	30,000	∞	10,000	-66.67%
COVID supplies		65,249	100,000	65.25%	287	40,100	∞	2,000	596.16%	2,500	25.00%
<i>Total Safety Expenses</i>		104,906	154,315	67.98%	76,930	89,910	85.56%	108,950	41.62%	90,850	-16.61%
Other Expenses											
Rate Payer Claims	8930.007	66	2,500	2.62%	0	2,500	0.00%	2,500	∞	2,500	0.00%
CAWD Newsletter	8940.007	27,505	32,000	85.95%	34,000	34,000	100.00%	36,000	5.88%	38,000	5.56%
Recruitment	8910.006	5,416	10,000	54.16%	497	10,000	4.97%	0	-100.00%	0	∞
Legal notices	8920.006	396	4,200	9.43%	458	4,500	10.17%	1,500	227.78%	1,500	0.00%
Contingency	8980.004	0	0	∞	0	0	∞	500,000	∞	0	∞
<i>Total Other Expense</i>		33,382	48,700	68.55%	34,955	51,000	68.54%	540,000	1444.84%	42,000	-92.22%
CAWD Subtotal		7,087,252	8,024,647	88.32%	6,754,277	7,882,179	85.69%	8,626,815	27.72%	8,087,573	-6.25%
Reclamation Project		624,870	541,645	115.37%	631,530	611,411	103.29%	663,179	5.01%	690,535	4.13%
Final Subtotal		7,712,122	8,566,292	90.03%	7,385,808	8,493,590	86.96%	9,289,994	25.78%	8,778,109	-5.51%
Depreciation Expense		2,862,471	2,669,000	107.25%	2,669,000	2,669,000	100.00%	2,669,000	0.00%	2,669,000	0.00%
Amortization Expense		0	4,860	0.00%	0	4,860	0.00%	4,860	∞	4,860	0.00%
Total Operating Expense		10,574,593	11,240,152	94.08%	10,054,808	11,167,450	90.04%	11,963,854	18.99%	11,451,969	-4.28%

O & M Budget
Maintenance – Plant

**Carmel Area Wastewater District
Maintenance - Plant: 2022-23 Operating Expense Budget**

Description	Acct	2020-21			Est 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Salaries - Treatment	5030.004	417,480	484,910	86.1%	447,866	450,453	99.4%	556,810	24.33%	569,600	2.30%
Salaries - Collection		31,425	36,500		31,351	31,532		43,780		42,875	
Salaries - Overtime	5035.004	1,414	10,000	14.1%	1,013	3,500	28.9%	0	0.00%	0	∞
<i>Total Salaries</i>		450,319	531,410	84.7%	480,229	485,485	98.9%	600,590	25.06%	612,475	1.98%
Payroll Taxes	5045.004	32,790	40,655	80.7%	36,738	37,321	98.4%	45,945	25.06%	46,854	1.98%
<i>Total Payroll Taxes</i>		32,790	40,655	80.7%	36,738	37,321	98.4%	45,945	25.06%	46,854	1.98%
<i>Employee Benefits:</i>											
Health insurance	5070.004	59,752	61,565	97.1%	63,912	61,434	104.0%	66,800	4.52%	70,800	5.99%
Retirement Plan - CalPERS	5080.004	197,986	49,932	396.5%	44,794	52,593	85.2%	48,833	9.02%	51,687	5.84%
CalPERS retirement	5090.004	0	0	∞	0	0	∞	0	∞	0	∞
SAM retirement	5100.004	16,475	24,159	68.2%	18,064	24,145	74.8%	21,380	18.36%	22,449	5.00%
Life Insurance	5110.004	590	1,782	33.1%	587	551	106.6%	590	0.48%	590	0.00%
PEHP	5120.004	6,783	6,980	97.2%	7,162	7,010	102.2%	7,462	4.19%	7,836	5.01%
Dental Insurance/Claims	5130.004	3,584	6,400	56.0%	4,050	5,000	81.0%	4,700	16.06%	4,700	0.00%
Vision Insurance	5140.004	1,443	1,152	125.3%	1,518	1,175	129.2%	1,625	7.02%	1,625	0.00%
Long Term Disability	5150.004	3,701	5,026	73.6%	4,004	3,523	113.7%	4,173	4.22%	4,173	0.00%
HSAs contributions	5160.004	4,467	9,725	45.9%	4,134	4,128	100.2%	4,200	1.59%	4,200	0.00%
HRA contributions	5165.004	0	170	∞	0	0	∞	0	∞	0	∞
Employee Assistance Program	5180.004	500	815	61.3%	590	750	78.7%	590	0.00%	600	1.69%
Employee Awards	5185.004	65	0	∞	0	540	0.0%	0	∞	0	∞
Annual District picnic	5186.004	237	0	∞	0	350	0.0%	300	∞	300	0.00%
Employee lunches	5187.004	0	0	∞	57	0	∞	0	-100.00%	0	∞
Medical Exams	5200.004	43	0	∞	352	250	140.7%	0	-100.00%	0	∞
Allocate to Reclamation	5205.004	(25,264)	(10,545)	239.6%	(26,819)	0	∞	(25,000)	-6.78%	(25,000)	0.00%
<i>Total Employee Benefits</i>		270,363	157,161	172.0%	122,405	161,449	75.8%	135,653	10.82%	143,960	6.12%
<i>Trucks & Autos</i>											
Gasoline	5310.004	0	1,200	0.0%	0	1,200	0.0%	0	∞	0	∞
Diesel	5320.004	0	200	0.0%	0	500	0.0%	0	∞	0	∞
Oil & Grease	5330.004	88	300	29.4%	120	800	15.0%	0	0.00%	0	∞
Tires, Batteries, Service	5340.004	337	1,000	33.7%	1,208	1,200	100.7%	0	0.00%	0	∞

**Carmel Area Wastewater District
Maintenance - Plant: 2022-23 Operating Expense Budget**

Description	Acct	2020-21			Est 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Outside Repair Service	5345.004	1,275	3,000	42.5%	0	1,000	0.0%	0	∞	0	∞
Repair Parts	5350.004	281	600	46.8%	495	2,000	24.8%	0	0.00%	0	∞
Tools	5355.004	0	300	0.0%	0	1,000	0.0%	0	∞	0	∞
Vehicle Accessories	5360.004	0	100	0.0%	0	0	∞	0	∞	0	∞
Driver medical exams	5370.004	0	170	∞	0	0	∞	0	∞	0	∞
Smog Check - Vehicles	5380.004	0	200	0.0%	412	280	147.0%	0	0.00%	0	∞
Cleaning & detailing	5410.004	0	600	∞	0	200	0.0%	0	∞	0	∞
Waste oil & coolants disposal	5440.004	925	200	462.5%	0	150	0.0%	0	∞	0	∞
<i>Total Trucks & Autos</i>		2,906	7,870	36.9%	2,236	8,330	26.8%	0	0.00%	0	∞
<i>Property/Liability/Auto Insurance</i>											
Auto insurance	5450.004	16,703	13,200	126.5%	19,978	17,500	114.2%	0	0.00%	0	∞
<i>Engineering Fees</i>											
Consulting Fees	5500.004	0	75,000	∞	16,516	25,000	66.1%	0	0.00%	0	∞
<i>Office Supplies & Service</i>											
Computers & Equip	5540.004	477	5,000	9.5%	1,197	1,400	85.5%	0	0.00%	0	∞
Furnishings & fixtures	5545.004	333	300	111.0%	2,881	0	∞	0	0.00%	0	∞
Paper & printing	5550.004	303	300	101.0%	0	300	0.0%	0	∞	0	∞
Postage & shipping	5560.004	10	100	10.0%	12	0	∞	0	0.00%	0	∞
Office supplies	5570.004	705	550	128.1%	2,143	550	389.6%	0	0.00%	0	∞
<i>Total Office Supplies & Svc.</i>		1,827	6,250	29.2%	6,233	2,250	277.0%	0	0.00%	0	∞
<i>Operating Supplies</i>											
Generator fuel	5675.004	1,445	2,500	57.8%	0	500	0.0%	0	∞	0	∞
Lubricants & packing	5680.004	3,641	500	728.3%	0	2,000	0.0%	0	∞	0	∞
Electrical Supplies	5690.004	12,699	30,000	42.3%	8,880	10,000	88.8%	0	0.00%	0	∞
Paint & fluids	5710.004	555	200	277.5%	0	2,000	0.0%	0	∞	0	∞
Radios & supplies	5745.004	148	400	37.0%	0	2,000	0.0%	0	∞	0	∞
Welding	5750.004	216	500	43.3%	0	200	0.0%	0	∞	0	∞

**Carmel Area Wastewater District
Maintenance - Plant: 2022-23 Operating Expense Budget**

Description	Acct	2020-21			Est 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Hand tools	5780.004	9,783	5,000	195.7%	436	7,500	5.8%	0	0.00%	0	∞
General supplies	5790.004	17,382	12,000	144.8%	48,531	23,000	211.0%	0	0.00%	0	∞
<i>Total Operating Supplies</i>		45,870	51,100	89.8%	57,847	47,200	122.6%	0	0.00%	0	∞
<i>Contractual Services</i>											
Network Services	5830.004	11,233	10,000	∞	39,990	31,700	126.2%	0	0.00%	0	∞
Microturbine/Gas Conditioning Service	5850.004	1,598	3,000	53.3%	26,391	4,000	659.8%	0	0.00%	0	∞
Electrical Service	5855.004	66,647	120,000	55.5%	89,211	150,000	59.5%	0	0.00%	0	∞
Mechanical Service	5856.004	9,178	25,000	36.7%	35,911	15,000	239.4%	0	0.00%	0	∞
HVAC Service	5857.004	3,214	20,000	16.1%	0	5,000	0.0%	0	∞	0	∞
Systems Integrator	5858.004	205,521	225,000	91.3%	69,879	200,000	34.9%	0	0.00%	0	∞
Equipment service (carts, lifts, forklift, boiler)	5859.004	7,406	3,000	246.9%	0	5,000	0.0%	0	∞	0	∞
HR Consulting	5885.004	10,358	11,100	93.3%	0	14,000	0.0%	0	∞	0	∞
Equipment rental	5890.004	0	5,000	0.0%	0	4,000	0.0%	0	∞	0	∞
Janitorial	5900.040	9,030	11,000	82.1%	10,866	11,550	94.1%	0	0.00%	0	∞
Laundry	5940.004	3,087	3,600	85.8%	2,580	3,800	67.9%	0	0.00%	0	∞
Landscape Maintenance	5980.004	5,405	8,000	67.6%	5,352	10,000	53.5%	0	0.00%	0	∞
Plant tree trimming	5982.004	18,126	180,000	10.1%	138,410	130,000	106.5%	0	0.00%	0	∞
Hazard/Green Waste Disposal	5990.004	0	0	∞	803	0	∞	0	0.00%	0	∞
Pest Control	6010.004	3,288	3,000	109.6%	3,350	6,750	49.6%	0	0.00%	0	∞
Instrument maintenance	6020.004	0	1,000	0.0%	0	1,000	0.0%	0	∞	0	∞
Hoist Certification	6030.004	1,908	2,700	70.7%	0	2,500	0.0%	0	∞	0	∞
Fuel tank filtering & cleaning	6035.004	118	0	∞	0	3,800	0.0%	0	∞	0	∞
<i>Total Contractual Services</i>		356,118	631,400	56.4%	422,742	598,100	70.7%	0	0.00%	0	∞
<i>Repairs & Maintenance</i>											
General Repairs	6095.004	27,488	40,000	68.7%	11,754	20,000	58.8%	0	0.00%	0	∞
Motors	6150.004	118	0	∞	0	0	∞	0	∞	0	∞
Microturbine R & M	6160.004	6,296	10,000	63.0%	0	10,000	0.0%	0	∞	0	∞
Standby Generator	6200.004	40	5,000	0.8%	0	2,500	0.0%	0	∞	0	∞

**Carmel Area Wastewater District
Maintenance - Plant: 2022-23 Operating Expense Budget**

Description	Acct	2020-21			Est 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Boiler Repairs	6230.004	8,227	3,900	∞	6,863	4,500	152.5%	0	0.00%	0	∞
Pretreatment (Influent/Headworks/Primary)	6245.004	29,433	50,000	58.9%	47,264	50,000	94.5%	0	0.00%	0	∞
IPS/EPS/DAF	6260.004	22,303	0	∞	0	0	∞	0	∞	0	∞
Effluent/Outfall	6265.004	24,497	20,000	∞	614	30,000	2.0%	0	0.00%	0	∞
Disinfection (Hypo/SBS/CDC)	6270.004	30,337	15,000	202.2%	1,622	25,000	6.5%	0	0.00%	0	∞
Solids Trmt (Dewatering/DAF/Digester)	6280.004	34,582	40,000	86.5%	14,190	25,000	56.8%	0	0.00%	0	∞
Secondary Treatment	6300.004	31,062	40,000	77.7%	14,011	20,000	70.1%	0	0.00%	0	∞
Plant Utilities (1PS/3PS/StormPS/Switchgear)	6315.004	7,799	50,000	15.6%	3,503	25,000	14.0%	0	0.00%	0	∞
Buildings	6320.004	17,134	30,000	57.1%	27,543	15,000	183.6%	0	0.00%	0	∞
<i>Total Maint & Repairs</i>		239,316	303,900	78.7%	127,363	227,000	56.1%	0	0.00%	0	∞
Utilities											
Telephone - fixed costs	6392.004	3,633	4,000	90.8%	2,990	2,700	110.7%	0	0.00%	0	∞
Telephone - Cell service	6393.004	1,652	600	275.3%	1,109	2,000	55.4%	0	0.00%	0	∞
<i>Total Utilities</i>		5,285	4,600	114.9%	4,098	4,700	87.2%	0	0.00%	0	∞
Travel & Training											
Employee Training	6420.004	3,742	7,000	53.5%	1,290	6,000	21.5%	0	0.00%	0	∞
Conferences	6430.004	0	2,000	0.0%	0	0	∞	0	∞	0	∞
Business meetings	6440.004	63	400	15.8%	0	400	0.0%	0	∞	0	∞
<i>Total Travel & Meetings</i>		3,805	9,400	40.5%	1,290	6,400	20.2%	0	0.00%	0	∞
Permitting											
Air Pollution Control Permit	6480.004	4,444	6,500	∞	4,531	3,500	129.5%	0	0.00%	0	∞
<i>Total Permitting</i>		4,444	6,500	∞	4,531	3,500	129.5%	0	0.00%	0	∞
Membership/Subscriptions											
Employee Certification	6550.004	725	1,200	60.4%	671	1,600	41.9%	0	0.00%	0	∞
CWEA	6560.004	1,036	600	172.7%	659	800	82.3%	0	0.00%	0	∞
MDS Online	6605.004	1,415	2,400	58.9%		2,400	0.0%	0	∞	0	∞
Subscriptions/Publications	6640.004	594	0	∞		0	∞	0	∞	0	∞

**Carmel Area Wastewater District
Maintenance - Plant: 2022-23 Operating Expense Budget**

Description	Acct	2020-21			Est 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
<i>Total Membership/Subscrip.</i>		3,770	4,200	89.8%	1,329	4,800	27.7%	0	0.00%	0	∞
<i>Safety</i>											
First Aid Supplies	6710.004	73	100	∞	0	200	0.0%	0	∞	0	∞
First Aid/Medical Services	6720.004	0	750	0.0%	0	0	∞	0	∞	0	∞
Fire Extinguisher Service	6730.004	1,129	3,000	37.6%	2,477	1,600	154.8%	0	0.00%	0	∞
Safety Supplies/Emerg Response	6735.004	10,786	6,500	165.9%	17,566	6,500	270.3%	0	0.00%	0	∞
Emergency Response Supplies	6740.004	2,532	3,000	84.4%	714	2,000	35.7%	0	0.00%	0	∞
Uniforms/Boots/Gear	6750.004	3,158	3,000	105.3%	4,898	2,000	244.9%	0	0.00%	0	∞
Safety Training	6760.004	8,210	20,000	41.1%	32,038	18,000	178.0%	0	0.00%	0	∞
Policies and procedures	6770.004	0	3,000	0.0%	0	2,500	0.0%	0	∞	0	∞
Virus supplies	6799.004	9,249	50,000	∞	257	10,100	2.5%	0	0.00%	0	∞
<i>Total Safety Expenses</i>		35,136	89,350	39.3%	57,951	42,900	135.1%	0	0.00%	0	∞
<i>Other Expenses</i>											
Recruitment	8910.004	1,805	5,000	∞	497	5,000	9.9%	0	0.00%	0	∞
<i>Total Other Expense</i>		1,805	5,000	36.1%	497	5,000	9.9%	0	0.00%	0	∞
CAWD Subtotal		1,470,455	1,936,996	75.91%	1,361,985	1,676,935	81.2%	782,188	57.43%	803,289	∞
Total Operating Expense		1,470,455	1,936,996	75.91%	1,361,985	1,676,935	81.2%	782,188	57.43%	803,289	∞

**Carmel Area Wastewater District
Maintenance - Plant: 2022-23 Operating Expense Budget**

Comments

Note: All Maintenance Dept. accounts have been combined with Treatment Plant
As we keep a record of history, over time that will also move to Treatment Plant

**O & M Budget
Collections Dept.**

**Carmel Area Wastewater District
Collections Department: 2022-23 Operating Expense Budget**

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Salaries	5030.005	543,359	535,131	101.54%	598,448	535,815	111.69%	576,525	-3.66%	579,100	0.45%
Salaries - Overtime	5035.005	19,633	10,000	196.33%	19,789	10,000	197.89%	15,000	-24.20%	10,000	-33.33%
Salaries - Standby	5040.005	17,329	17,400	99.59%	17,400	17,400	100.00%	17,400	0.00%	17,400	0.00%
<i>Total Salaries</i>		580,321	562,531	103.16%	635,638	563,215	112.86%	608,925	-4.20%	606,500	-0.40%
Payroll Taxes	5045.005	41,724	43,035	96.95%	48,626	43,086	112.86%	46,583	-4.20%	46,397	-0.40%
Employee Benefits:											
Health Insurance	5070.005	84,471	69,815	120.99%	90,132	90,565	99.52%	96,400	6.95%	102,400	6.22%
CalPERS retirement	5080.005	221,005	48,270	457.85%	47,556	53,436	89.00%	48,027	0.99%	50,680	5.52%
SAM retirement	5090.005	0	0	∞	0	0	∞	0	∞	0	∞
Worker's Compensation	5100.005	16,140	21,525	74.98%	20,820	23,360	89.13%	21,860	5.00%	22,953	5.00%
Life insurance	5110.005	603	1,527	39.52%	630	551	114.36%	605	-3.99%	605	0.00%
PEHP insurance	5120.005	6,418	6,240	102.85%	6,779	6,788	99.86%	7,099	4.73%	7,375	3.89%
Dental reimbursements	5130.005	4,665	7,300	63.91%	2,397	7,300	32.83%	6,700	179.56%	6,700	0.00%
Vision insurance	5140.005	1,414	1,500	94.26%	1,468	1,765	83.16%	1,565	6.62%	1,565	0.00%
Disability insurance	5150.005	3,466	4,460	77.71%	3,536	4,229	83.60%	3,477	-1.66%	3,480	0.09%
HSA contributions	5160.005	8,190	15,460	52.97%	6,149	7,248	84.84%	7,600	23.59%	7,600	0.00%
HRA contributions	5165.005	0	170	0.00%	0	0	∞	0	∞	0	∞
Employee Assistance Program	5180.005	500	815	61.33%	700	750	93.33%	700	0.00%	700	0.00%
Employee Awards	5185.005	81	0	∞	300	150	200.00%	300	0.00%	300	0.00%
Employee lunches	5187.005	240	300	79.99%	59	300	19.77%	0	-100.00%	0	∞
Medical exams	5200.005	128	1,200	10.63%	59	1,200	4.94%	1,300	2091.43%	1,300	0.00%
<i>Total Employee Benefits</i>		347,320	178,582	194.49%	180,584	197,642	91.37%	195,633	8.33%	205,658	5.12%
Trucks & Autos											
Gasoline	5310.005	10,559	7,000	150.85%	7,758	7,500	103.44%	13,905	79.24%	8,000	-42.47%
Diesel	5320.005	11,631	22,000	52.87%	9,861	6,500	151.71%	29,085	194.95%	12,000	-58.74%
Fuelmaster software	5325.005	550	560	98.21%	550	550	100.00%	0	-100.00%	0	∞
Oil & filters	5330.005	394	500	78.90%	1,275	600	212.43%	5,000	292.29%	5,000	0.00%
Tires & batteries	5340.005	793	3,000	26.43%	4,715	4,000	117.88%	0	-100.00%	0	∞
Outside repair service	5345.005	15,278	8,500	179.74%	2,547	4,000	63.69%	4,500	76.65%	4,500	0.00%
Repair parts	5350.005	8,937	2,000	446.84%	7,885	5,000	157.69%	10,000	26.83%	14,000	40.00%
Tools	5355.005	625	500	125.03%	1,219	500	243.73%	0	-100.00%	0	∞

**Carmel Area Wastewater District
Collections Department: 2022-23 Operating Expense Budget**

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Vehicle accessories	5360.005	12,317	1,500	821.13%	15,525	8,000	194.06%	0	-100.00%	0	<u>8</u>
Driver medical exam	5370.005	600	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>8</u>
Smog fees	5380.005	130	400	32.50%	0	250	0.00%	0	<u>∞</u>	0	<u>8</u>
DATCO fees	5400.005	803	2,100	38.24%	836	1,000	83.56%	1,000	19.68%	1,000	0.00%
Cleaning & detailing	5410.005	0	1,000	0.00%	966	500	193.22%	500	-48.25%	500	0.00%
Paint & fluids	5420.005	165	300	54.85%	306	300	102.00%	0	-100.00%	0	<u>8</u>
Waste oil & coolant disposal	5440.005	0	300	0.00%	0	300	0.00%	0	<u>∞</u>	0	<u>8</u>
<i>Total Trucks & Autos</i>		62,782	49,660	126.42%	53,442	39,000	137.03%	63,990	19.74%	45,000	-29.68%
<i>Property/Liability Insurance</i>											
Vehicle Insurance	5450.005	7,293	6,300	115.76%	8,055	7,500	107.40%	8,659	7.50%	9,265	7.00%
Property		0	0	<u>∞</u>	8,816	0	<u>∞</u>	9,477	7.50%	10,141	7.00%
Cyber		0	0	<u>∞</u>	991	0	<u>∞</u>	1,065	7.50%	1,140	7.00%
General Liability	5480.005	34,865	16,000	217.91%	19,117	37,500	50.98%	20,551	7.50%	22,606	10.00%
<i>Total Insurance</i>		42,158	22,300	189.05%	36,979	45,000	82.18%	39,752	7.50%	43,151	8.55%
<i>Engineering Fees</i>											
Consulting Fees	5500.005	48,984	25,000	195.93%	29,203	50,000	58.41%	100,000	242.43%	100,000	0.00%
<i>Total Engineering Fees</i>		48,984	25,000	195.93%	29,203	50,000	58.41%	100,000	242.43%	100,000	0.00%
<i>Office Supplies & Service</i>											
Computers & equipment	5540.005	5,168	4,800	107.67%	10,327	6,000	172.12%	5,500	-46.74%	4,000	-27.27%
Furnishings & fixtures	5545.005	0	1,000	0.00%	0	800	0.00%	800	<u>∞</u>	800	0.00%
Paper & printing	5550.005	676	2,000	33.78%	0	1,500	0.00%	0	<u>∞</u>	0	<u>8</u>
Postage & shipping	5560.005	166	200	83.12%	29	100	28.81%	0	-100.00%	0	<u>8</u>
Office Supplies	5570.005	310	1,100	28.17%	1,385	1,000	138.47%	2,000	44.43%	2,000	0.00%
<i>Total Office Supplies & Svc.</i>		6,320	9,100	69.45%	11,741	9,400	124.90%	8,300	-29.31%	6,800	-18.07%
<i>Operating Supplies</i>											
Lubricants and packing	5680.005	136	0	n/a	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Electrical Supplies	5690.005	13,969	400	3492.25%	3,553	400	888.14%	0	-100.00%	0	<u>∞</u>
Chemical Supplies	5710.005	756	4,800	15.76%	8,998	9,000	99.98%	9,500	5.58%	9,500	0.00%
Janitorial Supplies	5730.005	0	300	0.00%	229	300	76.27%	250	9.26%	250	0.00%

**Carmel Area Wastewater District
Collections Department: 2022-23 Operating Expense Budget**

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Personnel Supplies	5740.005	384	0	<u>∞</u>	425	500	85.08%	0	-100.00%	0	<u>∞</u>
Radios and supplies	5745.005	2,550	0	<u>∞</u>	89	0	<u>∞</u>	0	-100.00%	0	<u>∞</u>
Welding	5750.005		0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Hand Tools	5780.005	2,795	3,500	<u>∞</u>	2,688	1,000	268.81%	3,000	11.60%	3,000	0.00%
General Operating Supplies	5790.005	20,240	22,000	92.00%	19,134	18,000	106.30%	21,000	9.75%	21,000	0.00%
COVID Safety		0	50,000	0.00%	927	10,000	9.27%	0	-100.00%	0	<u>∞</u>
<i>Total Operating Supplies</i>		40,831	81,000	50.41%	36,043	39,200	91.95%	33,750	-6.36%	33,750	0.00%
<i>Contractual Services</i>											
Network Administration	5830.005	23,027	28,900	79.68%	41,590	32,000	129.97%	50,000	20.22%	65,000	30.00%
Electrical Services	5855.005	28,710	20,000	143.55%	30,368	20,000	151.84%	15,000	-50.61%	15,000	0.00%
System Integrator	5858.005	0	20,000	0.00%	254	10,000	2.54%	5,000	1866.67%	5,000	0.00%
Root foaming	5865.005	66,654	65,000	102.54%	66,500	66,500	100.00%	67,000	0.75%	67,000	0.00%
Pump station monitoring	5870.005	3,449	12,000	28.74%	1,207	7,500	16.09%	0	-100.00%	0	<u>∞</u>
Collect Sys capacity monitor	5875.005	0	8,500	0.00%	0	17,000	0.00%	10,000	<u>∞</u>	10,000	0.00%
Alarm systems	5880.005	0	650	0.00%	0	300	0.00%	0	<u>∞</u>	0	<u>∞</u>
HR consulting	5885.005	10,569	11,100	95.21%	0	11,000	0.00%	12,000	<u>∞</u>	12,000	0.00%
Equipment rental	5890.005	0	400	0.00%	0	400	0.00%	0	<u>∞</u>	0	<u>∞</u>
Underground Service Alert	5930.005	3,078	3,500	87.94%	5,203	3,500	148.67%	3,900	-25.05%	4,000	2.56%
Laundry	5940.005	4,242	5,500	77.13%	4,547	5,500	82.68%	5,500	20.95%	5,500	0.00%
Landscaping	5980.005	0	0	<u>∞</u>	13,229	0	<u>∞</u>	0	-100.00%	0	<u>∞</u>
Waste disposal	5990.005	117	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
<i>Total Contractual Services</i>		139,844	175,550	79.66%	162,898	173,700	93.78%	168,400	3.38%	183,500	8.97%
<i>Repairs & Maintenance</i>											
General Repairs	6095.005	51	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Easements	6100.005	23,448	35,000	66.99%	14,685	30,000	48.95%	60,000	308.59%	60,000	0.00%
Pump stations	6110.005	23,584	52,500	44.92%	9,978	20,000	49.89%	0	-100.00%	0	<u>∞</u>
Pump station equipment	6120.005	5,787	15,000	38.58%	9,008	35,000	25.74%	50,000	455.03%	50,000	0.00%
Sewer lines	6130.005	10,825	50,000	21.65%	149,927	150,000	99.95%	150,000	0.05%	150,000	0.00%
Manholes	6140.005	65,691	55,000	119.44%	26,144	205,000	12.75%	362,300	1285.78%	250,000	-31.00%
Generators	6200.005	7,731	3,500	220.88%	10,351	3,500	295.74%	6,000	-42.03%	6,000	0.00%
Instruments	6220.005	422	1,000	42.23%	0	1,000	0.00%	0	<u>∞</u>	0	<u>∞</u>

**Carmel Area Wastewater District
Collections Department: 2022-23 Operating Expense Budget**

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
<i>Total Maint & Repairs</i>		137,540	212,000	64.88%	220,093	444,500	49.51%	628,300	185.47%	516,000	-17.87%
Utilities											
<i>Electricity</i>											
8th Ave	6343.005	1,216	1,100	110.56%	1,153	1,150	100.22%	1,200	4.12%	1,250	4.17%
Bay & Scenic	6344.005	2,973	3,000	99.09%	2,527	3,000	84.24%	3,100	22.67%	3,150	1.61%
Monte Verde & 16th	6345.005	2,740	2,050	133.66%	1,959	2,050	95.58%	2,150	9.73%	2,200	2.33%
Calle La Cruz	6346.005	4,213	4,000	105.33%	4,086	5,200	78.59%	5,500	34.59%	5,500	0.00%
Hacienda	6347.005	1,342	1,300	103.21%	1,249	1,300	96.09%	1,350	8.07%	1,350	0.00%
Highlands	6348.005	6,583	11,000	59.85%	7,200	11,100	64.86%	7,700	6.94%	11,500	49.35%
<i>Total Electricity</i>		19,067	22,450	84.93%	18,175	23,800	76.36%	21,000	15.55%	24,950	18.81%
Gas-	6360.005	580	800	72.46%	526	800	65.75%	785	49.24%	1,178	50.00%
Propane	6370.005	1,363	1,100	123.92%	0	1,200	0.00%	1,200	<u>∞</u>	1,250	4.17%
Water	6380.005	2,088	1,600	130.51%	2,710	2,000	135.51%	2,200	-18.82%	2,250	2.27%
Garbage	6385.005	1,516	1,500	101.04%	0	1,500	0.00%	2,000	<u>∞</u>	2,000	0.00%
Communications											
Fixed Costs	6392.005	11,675	8,700	134.19%	10,795	12,000	89.96%	14,000	29.69%	14,500	3.57%
Cellular Phones	6393.005	5,950	3,500	170.00%	2,561	5,000	51.22%	5,000	95.23%	5,000	0.00%
<i>Total Telephone</i>		17,625	12,200	144.46%	13,356	17,000	78.56%	19,000	42.26%	19,500	2.63%
<i>Total Utilities</i>		42,238	39,650	106.53%	34,767	46,300	75.09%	46,185	32.84%	51,128	10.70%
Travel & Training											
Employee Training	6420.005	910	15,205	5.98%	939	9,355	10.04%	9,500	911.73%	9,500	0.00%
Conferences	6430.005	184	3,100	5.93%	1,241	6,200	20.01%	6,200	399.73%	6,200	0.00%
Business meetings	6440.005	74	850	8.73%	0	850	0.00%	800	<u>∞</u>	800	0.00%
<i>Total Travel & Meetings</i>		1,168	19,155	6.10%	2,180	16,405	13.29%	16,500	657.00%	16,500	0.00%
Permits											
Regional Water Quality Control	6470.005	2,848	2,700	105.48%	3,649	2,950	123.69%	3,100	-15.05%	3,200	3.23%
MUAPCB	6480.005	3,190	3,250	98.15%	3,301	3,200	103.16%	3,500	6.03%	3,600	2.86%
<i>Total permits</i>		6,038	5,950	101.48%	6,950	6,150	113.01%	6,600	-5.04%	6,800	3.03%

**Carmel Area Wastewater District
Collections Department: 2022-23 Operating Expense Budget**

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
<i>Membership/Subscriptions</i>											
Employee Certification	6550.005	1,303	1,100	118.45%	634	1,250	50.71%	1,300	105.08%	1,300	0.00%
Memberships - CWEA	6560.005	1,075	750	143.36%	651	2,130	30.56%	1,900	191.93%	1,900	0.00%
No Am Soc for Trenchless	6565.005	0	600	∞	0	300	0.00%	0	∞	0	∞
Memberships - WEF	6580.005	332	270	122.96%	0	350	0.00%	0	∞	0	∞
MSDonline	6605.005	283	0	∞	0	0	∞	0	∞	0	∞
Publications/reference works	6640.005	780	300	∞	0	300	0.00%	400	∞	400	0.00%
<i>Total Membership/Subscrip.</i>		3,773	3,020	124.93%	1,285	4,330	29.67%	3,600	180.21%	3,600	0.00%
<i>Safety</i>											
First Aid	6710.005	7	0	n/a	0	0	∞	0	∞	0	∞
First Aid Medical Service	6720.005	0	500	0.00%	0	500	0.00%	500	∞	500	0.00%
Fire extinguisher service	6730.005	226	600	37.62%	619	500	123.73%	550	-11.10%	550	0.00%
Safety supplies	6735.005	4,997	3,500	142.77%	2,486	4,000	62.16%	4,000	60.87%	4,000	0.00%
Emergency Response Supplies	6740.005	179	1,960	9.12%	1,786	1,900	94.02%	1,500	-16.03%	1,500	0.00%
Uniforms, boots & gear	6750.005	1,756	2,000	87.78%	1,771	2,000	88.56%	2,500	41.15%	2,500	0.00%
Safety training	6760.005	6,075	4,575	132.78%	11,451	6,410	178.64%	28,000	144.52%	28,000	0.00%
Virus supplies		5,027	0	∞	0	0	∞	1,000	∞	1,500	50.00%
<i>Total Safety</i>		18,266	13,135	139.06%	18,114	15,310	118.31%	38,050	110.06%	38,550	1.31%
<i>Other Expenses</i>											
Recruitment/HR Consulting	8910.005	3,611	0	∞	0	0	∞	0	∞	0	∞
Legal Notices	8920.005	0	200	0.00%	0	500	0.00%	500	∞	500	0.00%
Contingency	8980.005	0	0	∞	0	0	∞	123,734	∞	0	∞
<i>Total Other Expense</i>		3,611	200	1805.50%	0	500	0.00%	124,234	∞	500	-99.60%
Subtotal Operating Expense		1,522,915	1,439,868	105.77%	1,478,542	1,693,738	87.29%	2,128,802	43.98%	1,903,834	-10.57%
Depreciation Expense	8997.005	371,968	335,000	111.04%	335,000	335,000	100.00%	335,000	0.00%	335,000	0.00%
Total Operating Expense		1,894,883	1,774,868	106.76%	1,813,542	2,028,738	89.39%	2,463,802	35.86%	2,238,834	-9.13%

**Carmel Area Wastewater District
Collections Dept: 2022-23 Operating Expense Budget**

Description	Comments
<i>Salaries</i>	COLA 3.8%; estimate 4.0% for 2023-24
<i>Employee Benefits</i>	
<i>Trucks and Autos</i>	<p>Fuel usage has stabilized however fuel cost has increased. Fuel purchases are made and billed to one account (.5) for the District then at separated at the end of the budget year and allocated to the separate departments. The shift in vehicle maintenance from outsourcing all repairs and maintenance to staff performing regular service and minor repairs was made with the increase in part-time staffing in the maintenance department. Staff is working at simplifying the account with-in Trucks and Autos. There will be three main accounts in this years budget, outside repairs, repairs parts and preventive maintenance parts. The main shift is to capture all preventive maintenance in one account.</p> <p>Fuel Master software #5325.005: Move to Network Admin #5830.005 Oil & filters #5330.005: Move to Preventive Maintenance Parts Tires & batteries #5340.005: Move to Preventive Maintenance Parts Tools #5355.005: Move to Hand Tools #5780.005 Vehicle Accessories #5360.005: Move to Repair Parts #5350.005 Driver Medical Exam #5370.005: Move to Medic Exam #5200.005 Smog Fees #5380.005: Move to Preventative Maintenance Parts Paint & Fluids #5420.005: Move to Preventative Maintenance Parts Waste oil & Coolant Disposal #5440.005: Move to Treatment Plant</p>
<i>Property/Liability/Auto Insurance</i>	<p>U.S. Wildfires, Storms, Civil Disorders and ‘Social Inflation’ have created intense pressure on insurers in North America, causing insured losses in the billions, and while COVID -19 has of course added new types of losses to the mix, more so, it has created additional uncertainty which is adding to an already difficult insurance marketplace. Initial cost estimates for CSRMA's various policy renewals were expected to be up in the 10% range. In light of the above market pressure, and adverse loss development in the Pooled Liability Program itself, the Program Administrators are writing to update our estimate of the renewal cost, and we are now of the opinion that it is possible that an increase could come in ultimately more in the range of at a 15% - 25% increase over the current, expiring program. This is the result of a combination of insurance market conditions and loss experience in the Program. While the Program is not experiencing an increase in the frequency (number) of claims, we are seeing an increase in the severity (cost) of claims.</p>
<i>Engineering Fees</i>	Capacity Study - Phase IV; additional flow monitoring

**Carmel Area Wastewater District
Collections Dept: 2022-23 Operating Expense Budget**

Description	Comments
<i>Office Supplies & Service</i>	<p>Staff anticipates to replace two printers. Both printers have been continually updated by Exceedio but no longer are supported by HP. Staff continues to make the move to a paperless workplace however there is still a need for paper and printer ink. Staff is capturing paper, ink, postage and shipping cost in one account Office Supplies.</p> <p>Computers & Equip # 5540.005: Add \$2,500 for ethernet switch FY 22-23 Paper & Printing #5550.005: remove account & move to Office Supplies #5570.005 Postage & Shipping #5560.005: remove account & move to Office Supplies #5570.005</p>
<i>Operating Supplies</i>	<p>Upgrades to the electrical at the pumps station are mostly completed, these included the installation of manual transfer switch and generator receptacle at the pump station that already had generators. This is to ensure the resilience of the station should a generator fail of natural gas service not be available. Staff can now bring a portable generator to run the station. Electrical supplies account will now be captured under pump station equipment and maintenance. The use of CN-9 to prevent H2S from the Highlands pump station was captured under Chemical supplies. General operating supplies was increased with the anticipation of wear and tear on the equipment being used daily, mainly the camara equipment used to inspect the sewer line. Several accounts with minimal usage will be captured under general operating supplies. Most large operating supply purchases have been made for Covid-19. In the coming year, disposable items such as PPE and Hepa filters are all that is anticipated and will be captured under virus supplies.</p> <p>Electrical Supplies #5690.005 move to Pump Station Equip & Maint #6120.005 Paint & Fluids #5710.005: rename to Chemical Supplies Janitorial Supplies #5730.005: remove Personnel Supplies #5740.005: move to Safety Supplies #6735.005 Radios & Supplies #5745.005: move to General Operating Supplies #5790.005 Welding #5750.005: move to General Operating Supplies #5790.005 COVID supplies : move to General Operating Supplies #5790.005</p>
<i>Contractual Services</i>	<p>Cost for contractual services most remained steady with slight increases. There are two categories that did see a large increase, ICOM now charges to host the Districts CMMS data on their servers and Green Infrastructure hosting and management of the District GIS mapping database. All communications Comcast, Mission communications annual service fees, AT&T, Icon (VOIP phones) AT&T fiber will now be captured under Utilities/fixed cost.</p> <p><i>Network Services:</i> Internet Technology support, Microsoft Office 365 licensing, Multifactor authentication licensing for network security, ICOM work order support and annual renewal, IT Pipes software renewal, Fuel master support and Green Infrastructure GIS services, and T4</p>

**Carmel Area Wastewater District
Collections Dept: 2022-23 Operating Expense Budget**

Description	Comments
	<i>Electrical Services:</i> Electrical preventative maintenance including cleaning and testing. Corrective maintenance to unwire equipment and troubleshoot electrical failures.
	<i>System Integrator:</i> Software maintenance and support of collections system SCADA and PLC's.
	<i>Collect System Capacity Monitor:</i> Purchase and monitoring of collection system flows meters for capacity study.
	Pump Station Monitoring #5870.005: move to Utilities Collection System Capacity Monitor #5875.005: flow meters Alarm Systems #5880.005: move to Utilities Equipment Rental #5890.005: remove Waste Disposal #5990.005: remove
Repairs & Maintenance	Staff will continue with the replacement of the cast iron manhole frame and lids to the water tight composite frame and lids. The replacement of the frame and lids are for sea-level rise. The water tight composite lids will make the collection system manhole water tight should large scale flooding occur. The lagoon neighborhood was completed in 2020, Mission Fields will be replaced in 2021 and the condos across from the post office will take place in 2022. Pump Station equipment account and pump station account will be combined into one account. The pumpstation equipment and maintenance account will also capture electrical supplies costs.
	Pump stations #6110.005: Combine and rename Pump Station Equip & Maint Pump station Equip #6120.005: Combine and rename Pump Station Equip & Maint Sewer Lines #6130.005: Spot Repair Program \$150K Manholes #6140.005: Manhole lining project \$200K plus replacement lids and frames (plus \$157K prior year); \$5,300 misc Instruments #6220.005: Combine and rename Pump Station Equip & Maint
Utilities	Staff does expect to see a 5% increase in utilities. All utilities have increased during the pandemic. Garbage previously charged to Treatment plant will now be charged to Collection.
Communications	Accounts labeled telephone in the past will now be called Communications. There are two subaccounts, Fixed communication and mobile communications. Comcast, fiber, VOIP, Mission communication are captured under the fixed account

O & M Budget Treatment & Disposal

Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2022-23

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Salaries	5030.006	1,050,141	971,158	108.13%	1,076,658	1,026,726	104.86%	1,120,000	4.03%	1,176,000	5.00%
Salaries - Overtime	5035.006	8,230	35,000	23.51%	14,378	15,000	95.85%	20,000	39.10%	20,000	0.00%
Salaries - Standby	5040.006	17,556	34,800	50.45%	18,000	18,000	100.00%	17,400	-3.33%	17,400	0.00%
<i>Total Salaries</i>		1,075,927	1,040,958	103.36%	1,109,036	1,059,726	104.65%	1,157,400	4.36%	1,213,400	4.84%
Payroll Taxes	5045.006	104,534	79,633	131.27%	84,841	81,069	104.65%	88,541	4.36%	92,825	4.84%
<i>Total Payroll Taxes</i>		104,534	79,633	131.27%	84,841	81,069	104.65%	88,541	4.36%	92,825	4.84%
<i>Employee Benefits:</i>											
Health insurance	5070.006	182,646	182,973	99.82%	190,293	191,050	99.60%	204,000	7.20%	215,000	5.39%
CalPERS retirement	5080.006	426,387	124,300	343.03%	114,830	122,608	93.66%	117,603	2.41%	122,183	3.89%
SAM retirement	5090.006	0	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Workers Compensation	5100.006	37,971	46,037	82.48%	38,806	45,312	85.64%	44,675	15.13%	46,670	4.47%
Life Insurance	5110.006	1,280	3,665	34.94%	1,189	1,320	90.06%	1,280	7.67%	1,280	0.00%
PEHP	5120.006	16,710	14,760	113.21%	17,008	16,949	100.35%	17,637	3.70%	18,395	4.30%
Dental Insurance/Claims	5130.006	15,031	14,900	100.88%	14,093	13,700	102.87%	14,100	0.05%	14,300	1.42%
Vision Insurance	5140.006	3,182	3,898	81.62%	3,281	3,830	85.67%	3,545	8.05%	3,645	2.82%
Long Term Disability	5150.006	9,004	11,820	76.18%	8,903	8,313	107.09%	9,175	3.06%	9,400	2.45%
HSA Contributions	5160.006	29,644	41,524	71.39%	26,557	26,556	100.00%	26,000	-2.10%	28,000	7.69%
Employee Assistance Program	5180.006	1,200	1,955	61.36%	1,260	1,260	100.00%	1,280	1.59%	1,280	0.00%
Annual District picnic	5186.006	786	1,380	56.96%	0	1,380	0.00%	0	<u>∞</u>	0	<u>∞</u>
Employee lunches	5187.006	0	0	<u>∞</u>	175	0	<u>∞</u>	825	<u>∞</u>	825	0.00%
Medical Exams	5200.006	492	300	164.00%	210	0	<u>∞</u>	210	0.00%	210	0.00%
Allocate to Reclamation	5205.006	(147,117)	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
<i>Total Employee Benefits</i>		577,216	447,512	128.98%	416,604	432,278	96.37%	440,330	5.70%	461,188	4.74%
<i>Trucks & Autos</i>											
Gasoline	5310.006	2,130	0	<u>∞</u>	0	0	<u>∞</u>	2,770	<u>∞</u>	3,200	15.52%
Diesel	5320.006	458	0	<u>∞</u>	0	0	<u>∞</u>	815	<u>∞</u>	1,000	22.70%
Oil & Grease	5330.006	0	0	<u>∞</u>	0	0	<u>∞</u>	1,000	<u>∞</u>	1,000	0.00%
Outside Repair Service	5345.006	0	0	<u>∞</u>	0	0	<u>∞</u>	1,700	<u>∞</u>	1,800	5.88%
Repair Parts	5350.006	0	0	<u>∞</u>	0	0	<u>∞</u>	1,500	<u>∞</u>	2,500	66.67%
<i>Total Trucks & Autos</i>		2,588	0	<u>∞</u>	0	0	<u>∞</u>	7,785	<u>∞</u>	9,500	22.03%

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2022-23**

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
<i>Property/Liability/Auto Insurance</i>											
Auto insurance	5450.006	1,459	442	330.15%	1,657	1,600	103.56%	1,823	10.00%	2,005	10.00%
Cyber		0	0	∞	2,124	0	∞	2,336	10.00%	2,570	10.00%
Property Insurance	5480.006	12,882	12,882	100.00%	64,018	13,000	492.45%	70,420	10.00%	77,462	10.00%
General Liability	5480.006	71,892	84,034	85.55%	40,965	91,500	44.77%	45,062	10.00%	49,568	10.00%
<i>Total Insurance</i>		86,233	97,358	88.57%	108,764	106,100	102.51%	119,640	10.00%	131,604	10.00%
<i>Engineering Fees</i>											
Consulting Fees	5500.006	42,386	275,000	15.41%	360	300,000	0.12%	300,000	83194.12%	300,000	0.00%
<i>Total Engineering Fees</i>		42,386	275,000	15.41%	360	300,000	0.12%	300,000	83194.12%	300,000	0.00%
<i>Attorney Fees</i>											
Legal Fees	5510.006	32,357	35,000	92.45%	16,674	35,000	47.64%	35,000	109.91%	35,000	0.00%
<i>Total Attorney Fees</i>		32,357	35,000	92.45%	16,674	35,000	47.64%	35,000	109.91%	35,000	0.00%
<i>Office Supplies & Service</i>											
Computers & Equip	5540.006	7,928	15,000	52.85%	694	15,300	4.54%	26,800	3761.67%	18,000	-32.84%
Furnishings & fixtures	5545.006	1,272	1,000	127.18%	1,680	1,000	168.00%	1,700	1.19%	2,000	17.65%
Paper & printing	5550.006	359	4,500	7.98%	416	4,500	9.24%	0	-100.00%	0	∞
Postage & shipping	5560.006	75	300	25.03%	0	1,000	0.00%	1,200	∞	500	-58.33%
Office supplies	5570.006	1,751	4,000	43.78%	4,307	4,000	107.68%	8,000	85.74%	8,800	10.00%
Equipment repairs	5590.006	0	500	0.00%	0	500	0.00%	0	∞	0	∞
<i>Total Office Supplies & Svc.</i>		11,385	25,300	45.00%	7,097	26,300	26.99%	37,700	431.20%	29,300	-22.28%
<i>Operating Supplies</i>											
Chemicals	5615.006	630	4,000	15.74%	0	5,000	0.00%	3,500	∞	3,850	10.00%
Phenylarsine oxide	5625.006	698	750	93.11%	0	810	0.00%	810	∞	900	11.11%
Sodium bisulfite	5630.006	75,123	75,000	100.16%	102,320	84,000	121.81%	86,520	-15.44%	94,000	8.65%
Sodium hypochlorite	5635.006	69,470	97,750	71.07%	102,010	101,500	100.50%	109,000	6.85%	118,000	8.26%
Ferric chloride	5640.006	15,554	31,000	50.17%	41,632	31,000	134.30%	32,900	-20.97%	35,000	6.38%
Polymer	5650.006	52,240	55,000	94.98%	44,068	65,000	67.80%	65,000	47.50%	72,500	11.54%
Acetic Acid	5660.006	1,003	1,100	91.15%	392	1,100	35.59%	1,100	180.95%	1,200	9.09%
Iodine solution	5665.006	267	300	88.92%	0	300	0.00%	300	∞	330	10.00%
Potassium iodate	5670.006	767	1,000	76.75%	0	1,000	0.00%	1,000	∞	1,100	10.00%
Electrical Supplies	5690.006	1,377	0	∞	0	0	∞	0	∞	0	∞

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2022-23**

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Laboratory	5700.006	29,796	39,432	75.56%	35,469	39,432	89.95%	49,092	38.41%	44,000	-10.37%
Personnel	5740.006	1,536	3,500	43.89%	1,168	3,500	33.37%	0	-100.00%	0	∞
Radios & supplies	5745.006	0	1,650	0.00%	3,532	1,650	214.05%	2,200	∞	2,200	∞
Hand tools	5780.006	2,462	3,500	70.33%	2,442	3,500	69.78%	9,500	289.00%	7,000	-26.32%
General supplies	5790.006	9,746	8,500	114.66%	11,691	8,500	137.54%	35,000	199.38%	35,000	0.00%
COVID Safety		0	0	∞	11,325	0	∞	18,200	60.70%	0	∞
Source control	5795.006	340	1,100	30.91%	169	1,100	15.35%	9,000	5231.33%	1,200	-86.67%
<i>Total Operating Supplies</i>		261,007	323,582	80.66%	356,217	347,392	102.54%	423,122	18.78%	416,280	-1.62%
Contractual Services											
Sludge Haul/Disposal	5820.006	68,947	103,000	66.94%	85,287	103,000	82.80%	103,000	20.77%	110,000	6.80%
Network Administration	5830.006	48,061	75,345	63.79%	93,282	80,000	116.60%	100,700	7.95%	96,000	-4.67%
Laboratory Analysis	5840.006	31,070	52,410	59.28%	23,843	57,700	41.32%	57,700	142.00%	61,000	5.72%
Electrical Service	5855.006	0	0	∞	0	0	∞	100,000	∞	90,000	-10.00%
Mechanical Services	5856.006	0	0	∞	0	0	∞	30,000	∞	30,000	0.00%
HVAC Service	5857.006	0	0	∞	0	0	∞	1,500	∞	1,500	0.00%
System Integrator	5858.006	0	0	∞	0	0	∞	25,000	∞	50,000	100.00%
Equip Service	5859.006	0	0	∞	0	0	∞	2,000	∞	2,000	0.00%
Alarm System	5880.006	2,293	7,550	30.37%	2,505	5,500	45.55%	4,000	59.67%	4,100	2.50%
HR consulting	5885.006	23,849	26,700	89.32%	0	30,000	0.00%	50,000	∞	38,570	-22.86%
Equip rental	5890.006	0	0	∞	0	0	∞	6,000	∞	6,000	0.00%
Janitorial Service	5900.006	1,810	0	∞	0	0	∞	13,560	∞	14,238	5.00%
Copier Service	5910.006	1,104	5,000	22.08%	1,319	3,000	43.97%	3,000	127.40%	3,200	6.67%
Laundry	5940.006	10,475	13,000	80.58%	14,062	14,100	99.73%	14,200	0.98%	14,700	3.52%
Landscape Maintenance	5980.006	0	0	∞	0	0	∞	6,600	∞	6,700	1.52%
Hazard/Green Waste Disposal	5990.006	1,271	0	∞	0	0	∞	0	∞	0	∞
Grit & Screening Disposal	6000.006	15,962	23,100	69.10%	22,986	27,500	83.58%	25,000	8.76%	27,000	8.00%
Pest Control	6010.006	0	0	∞	0	0	∞	3,400	∞	3,500	2.94%
Sewer/pretreatment ordinance	6015.006	0	0	∞	1,217	2,500	∞	0	∞	0	∞
Instrumentation Services	6020.006	2,774	27,200	10.20%	1,247	16,700	7.47%	17,760	1324.22%	18,000	1.35%
Hoist Certification	6030.006	0	0	∞	0	0	∞	2,500	∞	2,500	0.00%
Hazardous chemical disposal	6040.006	174	1,000	17.40%	482	1,000	48.20%	1,200	148.96%	1,200	0.00%
Outfall Inspection	6045.006	10,000	12,650	79.05%	18,984	15,000	126.56%	15,130	-20.30%	15,500	2.45%

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2022-23**

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Lagoon inspection	6046.006	3,125	5,000	62.50%	8,316	5,000	166.32%	4,500	-45.89%	4,500	0.00%
Ocean Monitoring Program	6050.006	0	0	<u>∞</u>	0	7,400	<u>∞</u>	7,400	<u>∞</u>	7,400	0.00%
Sea Level Rise study	6055.006	0	0	<u>∞</u>	13,504	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Consulting - Coastal Comm	6065.006	8,152	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Other Special Studies	6070.006	0	0	<u>∞</u>	8,390	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
<i>Total Contractual Services</i>		229,067	351,955	65.08%	295,423	368,400	80.19%	594,150	101.12%	607,608	2.27%
<i>Repairs & Maintenance</i>											
General Repairs	6095.006	1,843	10,000	18.43%	1,818	10,000	18.18%	20,000	999.83%	20,000	0.00%
Microturbine R & M/Flare	6160.006	0	0	<u>∞</u>	0	0	<u>∞</u>	6,000	<u>∞</u>	15,000	150.00%
Standby Generator/Switchgear	6200.006	0	0	<u>∞</u>	0	0	<u>∞</u>	30,000	<u>∞</u>	10,000	-66.67%
Aeration Blowers	6210.006	0	0	<u>∞</u>	0	0	<u>∞</u>	60,000	<u>∞</u>	35,000	-41.67%
Instruments	6220.006	1,328	7,000	18.97%	1,200	7,000	17.14%	0	<u>∞</u>	0	<u>∞</u>
Lab Equipment	6240.006	3,852	15,000	25.68%	13,123	17,000	77.19%	32,700	149.19%	0	<u>∞</u>
Headworks - Primary	6250.006	737	4,750	15.52%	0	4,750	0.00%	34,750	<u>∞</u>	45,000	29.50%
Influent	6260.006	2,427	5,700	42.58%	1,229	5,700	21.56%	0	-100.00%	0	<u>∞</u>
Effluent/Outfall	6265.006	0	5,000	0.00%	449	5,000	8.98%	35,000	7690.94%	30,000	-14.29%
Disinfection (Hypo/SBS/CDC)	6270.006	12,381	7,000	176.87%	586	7,000	8.36%	28,000	4682.07%	20,000	-28.57%
Dewatering	6280.006	8,033	8,000	100.42%	0	8,000	0.00%	34,700	<u>∞</u>	40,000	15.27%
Digester/DAFT/Heat Loop	6290.006	0	0	<u>∞</u>	0	0	<u>∞</u>	40,000	<u>∞</u>	0	<u>∞</u>
Secondary/RAS/WAS	6300.006	5,889	7,000	84.12%	1,706	7,000	24.37%	22,000	1189.88%	35,000	59.09%
Plant Utilities (IPS/3PS/Storm I	6315.006	0	0	<u>∞</u>	0	0	<u>∞</u>	10,000	<u>∞</u>	10,000	0.00%
Buildings	6320.006	299	0	<u>∞</u>	0	0	<u>∞</u>	25,000	<u>∞</u>	40,000	60.00%
<i>Total Maint & Repairs</i>		36,789	69,450	52.97%	20,111	71,450	28.15%	378,150	1780.34%	300,000	-20.67%
<i>Utilities</i>											
Electricity - Secondary	6352.006	155,144	347,900	44.59%	134,772	330,000	40.84%	236,069	11.47%	254,954	8.00%
Electricity - Aeration	6353.006	68,488	0	<u>∞</u>	68,780	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Electricity - Lab Tertiary	6354.006	6,597	0	<u>∞</u>	8,223	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Co-Gen Non-Energy Plant	6359.006	4,454	0	<u>∞</u>	2,833	4,300	<u>∞</u>	4,300	51.79%	4,300	0.00%
Gas	6360.006	23,065	44,512	51.82%	47,370	30,000	157.90%	51,160	8.00%	55,252	8.00%
Propane	6370.006	349	700	49.82%	614	1,000	61.44%	1,000	62.77%	1,000	0.00%

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2022-23**

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Water	6380.006	6,262	7,900	79.27%	13,617	7,000	194.53%	7,000	-48.59%	7,500	7.14%
Cable television	6390.006	1,038	1,000	103.79%	1,066	1,200	88.87%	1,400	31.28%	1,400	0.00%
<i>Total Utilities</i>		265,397	402,012	66.02%	277,276	373,500	74.24%	300,928	8.53%	324,406	7.80%
Telephone											
Fixed Costs	6392.006	10,365	19,045	54.42%	13,577	10,000	135.77%	10,000	-26.34%	11,000	10.00%
Cellular Phones	6393.006	4,901	3,650	134.28%	2,304	3,500	65.83%	3,500	51.91%	4,000	14.29%
<i>Total Telephone</i>		15,266	22,695	67.27%	15,881	13,500	117.63%	13,500	-14.99%	15,000	11.11%
Travel & Training											
Employee Training	6420.006	1,708	18,135	9.42%	2,649	8,580	30.88%	15,145	471.69%	16,000	5.65%
Conferences	6430.006	474	10,810	4.38%	1,102	6,150	17.91%	8,970	714.20%	9,000	0.33%
Business meetings	6440.006	0	500	0.01%	499	700	71.32%	700	40.20%	700	0.00%
<i>Total Travel & Meetings</i>		2,182	29,445	7.41%	4,250	15,430	27.54%	24,815	483.87%	25,700	3.57%
Permitting											
Treatment Plant Permits	6470.006	28,198	25,000	112.79%	29,573	25,000	118.29%	30,000	1.44%	30,000	0.00%
Air Pollution Control Permit	6480.006	0	0	<u>∞</u>	0	0	<u>∞</u>	4,688	<u>∞</u>	4,922	4.99%
Environmental Health Permit	6490.006	1,833	3,800	48.24%	2,000	2,500	80.00%	1,800	-10.00%	1,850	2.78%
Lab Registration Fees	6510.006	2,666	12,162	21.92%	3,602	10,000	36.02%	10,000	177.65%	0	<u>∞</u>
<i>Total Permitting</i>		32,697	40,962	79.82%	35,175	37,500	93.80%	46,488	32.16%	36,772	-20.90%
Membership/Subscriptions											
Employee Certification	6550.006	1,732	1,750	98.97%	588	1,750	33.61%	1,750	197.55%	1,750	0.00%
CWEA	6560.006	1,243	2,750	45.20%	1,627	2,560	63.56%	4,450	173.49%	4,450	0.00%
WEF	6580.006	332	400	83.00%	0	400	0.00%	0	<u>∞</u>	0	<u>∞</u>
Lab memberships	6585.006	38	500	7.50%	0	400	0.00%	0	<u>∞</u>	0	<u>∞</u>
Subscriptions/Publications	6640.006	112	1,500	7.44%	405	1,500	27.01%	3,400	739.33%	3,400	0.00%
<i>Total Membership/Subscrip.</i>		3,456	6,900	50.09%	2,620	6,610	39.64%	9,600	266.36%	9,600	0.00%
Safety											
Fire Extinguisher Service	6730.006	0	0	<u>∞</u>	0	0	<u>∞</u>	1,700	<u>∞</u>	1,800	<u>∞</u>
Safety Supplies/Emerg Respons	6735.006	0	0	<u>∞</u>	0	0	<u>∞</u>	10,000	<u>∞</u>	10,000	<u>∞</u>
Uniforms/Boots/Gear	6750.006	0	0	<u>∞</u>	0	0	<u>∞</u>	4,500	<u>∞</u>	4,800	<u>∞</u>
Safety Training	6760.006	494	0	<u>∞</u>	0	0	<u>∞</u>	22,000	<u>∞</u>	23,000	<u>∞</u>

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2022-23**

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Policies and procedures	6770.006	0	0	∞	0	0	∞	30,000	∞	10,000	∞
Covid Supplies	6799.006	49,319	50,000	98.64%	0	30,000	∞	1,000	∞	1,000	∞
<i>Total Safety Expenses</i>		49,813	50,000	∞	0	30,000	∞	69,200	∞	50,600	∞
<i>Other Expenses</i>											
Recruitment	8910.006	0	5,000	0.00%	0	5,000	0.00%	0	∞	0	∞
Legal notices	8920.006	0	2,000	0.00%	0	2,000	0.00%	0	∞	0	∞
Contingencies	8980.006	0	0	∞	0	0	∞	296,947	∞	0	∞
<i>Total Other Expense</i>		0	7,000	0.00%	0	7,000	0.00%	296,947	∞	0	∞
Subtotal Operating Expense		2,828,298	3,304,762	85.58%	2,750,329	3,311,255	83.06%	4,343,297	57.92%	4,058,784	-6.55%
Depreciation Expense	8997.006	2,465,749	2,300,000	107.21%	2,300,000	2,300,000	100.00%	2,300,000	0.00%	2,300,000	0.00%
Total Operating Expense		5,294,047	5,604,762	94.46%	5,050,329	5,611,255	90.00%	6,643,297	31.54%	6,358,784	-4.28%

**Carmel Area Wastewater District
Treatment Dept.: Operating Expense Budget 2022-23**

Description	Comments
Salaries	COLA 3.8%; estimate 4.0% for 2023-24
Insurance	U.S. Wildfires, Storms, Civil Disorders and ' <i>Social Inflation</i> ' have created intense pressure on insurers in North America, causing insured losses in the billions, and while COVID -19 has of course added new types of losses to the mix, more so, it has created additional uncertainty which is adding to an already difficult insurance marketplace. Initial cost estimates for CSRMA's various policy renewals were expected to be up in the 10% range. In light of the above market pressure, and adverse loss development in the Pooled Liability Program itself, the Program Administrators are writing to update our estimate of the renewal cost, and we are now of the opinion that it is possible that an increase could come in ultimately more in the range of at a 15% - 25% increase over the current, expiring program. This is the result of a combination of insurance market conditions and loss experience in the Program. While the Program is not experiencing an increase in the frequency (number) of claims, we are seeing an increase in the severity (cost) of claims.
Trucks and Auto	Gasolines #5310.006 : 2 tanks per month for both plant trucks \$5.00/gal- \$2400, Transit Van 2 tanks per month \$5.00/gal-\$1440 . Increase in source control inspections. Diesel #5320.006 : Diesel for aerial lift, top off standby generator diesel tank Preventative Maintenance Supplies/Parts: Oil, filters, hoses, air filter for plant vehicles Outside Repair Service: #5345.006 : Smog and advanced diagnostics if cannot be repaired in-house Repair Parts #5350.006 : Tires, brake rotors, batteries.
Engineering Fees	See CIP list for detail - Sea Level Rise planning
Office Supplies & Services	Computers & Equip #5540.006 : 7 Replacement computers per Exceedio's schedule \$9800, 1 tablets/iPad (Source Control) \$3000, camera's and microphones, misc computer equipment \$1000, Ethernet switch maintenance, lab. Focus on security & reliability Furnishing & Fixtures #5545.006 : Replacement Chairs, book cases, Postage & Shipping #5560.006 : \$1200 Continued Bio-Bot and misc plant supplies Office Supplies #5570.006 : Paper Supplies, \$1,500 Employee Forms/Pretreatment educational material, \$2,500 Business cards, etc \$500 General Plant office supplies for Laboratory and Operations, pencils,pens, stapels, note pads, etc. Merged with account 5550.6 paper and printing
Operating Supplies	Chemicals #5615.006 : Misc. chemicals (i.e. Potassium Iodide Crystals for Chlorine analyzers calibrations) 10% increase by vendor Phenylarsine oxide #5625.006 : 10% increase expected by the vendor as of 12/1/2021 Sodium bisulfite #5630.006 : Estimated Sodium hypochlorite solution including a 3.8 percent vendor price increase for 2022-22

**Carmel Area Wastewater District
Treatment Dept.: Operating Expense Budget 2022-23**

Description	Comments
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Sodium Hypochloride **#5635.006**: Estimated Sodium hypochlorite solution including a 3.8 percent vendor price increase for 2022-23
 Ferric chloride **#5640.006**: Vendor expects a 6.2% for potential increase
 Polymer **#5650.006**: Vender expects a 15% increase in polymer costs (12/1/2021)
 Acetic Acid **#5660.006**: 10% increase expected by the vendor as of 12/1/2021
 Iodine Solution **#5665.006**: 10% increase expected by the vendor as of 12/1/2021
 Potassium iodate **#5670.006**: 10% increase expected by the vendor as of 12/1/2021
 Laboratory Supplies **#5700.006**: Vendor increases 7% (\$37,182), Gallery module \$700, Peninsula Welding Cylinders rental \$1,300, Culligan Water \$410, \$1000 misc. supplies, Sampler at PBCSD gate \$8500.

Hand Tools **#5780.006**: Replacement tools that are broken or wearout, Shop hydraulic press \$4,000, additional shared tools. \$2,000
 General Supplies **#5790.006**: 2 Radio's, 6 batteries (XPR7550e \$953 each, batteries \$95 each) \$2476. Janitorial cleaning supplies, paper towels, toilet paper, misc. supplies, Vendors project a 4% increase
 Source Control **#5795.006**: Source Control equipmnt \$1,500, 2 discrete portable samplers \$3,700
 Covid Safety: COVID-19 Sampling of influent (\$18,200), Replacement air filters for air handlers inplant buildings, N95 Masks, other COVID related items.

Contractual Services

Sludge Haul **#5820.006**: Price increase \$53 - \$57/ton
 Network Admin **#5830.006**: Plant network, SCADA network, (3-4% expected Increase by General Manager), ATL Customization Gallery \$5,000 (50/50% split with CAWD/Reclamation), Turflmage Source Control \$14,700, ICON \$2,640, Exceedio MFA \$1,156, \$12,000
 Maintenance Staff Plant network support, ICON \$1200, Mainsaver support \$7500
 Laboratory Analysis **#5840.006**: Ocean Outfall Monitoring (Pacific Ecorisk)\$14,670, MBAS Laboratory \$3,120, FGL Laboratory \$25,900 ATL LIMS \$11,330 (50% CAWD/50% Reclamation), eNPDES \$1,600, Gallery \$5,634 (50% CAWD/50% Reclamation), TOC \$4,397 (50% CAWD/50% Reclamation), Eaton Battery \$4100.00 (50% CAWD/50% Reclamation), Foss PM \$5482
 Electrical Service **#5855.006**: Repairs and preventative maintenance
 New account: Mechanical Service **#5856.006**, valve replacement and inspection of aeration blowers
 New account: HVAC Service **#5857.006**, cleaning and maintenance of HVAC and exhaust fans

 New account: System Integrator **#5858.006** update software revision on SCADA servers. Process improvements and general support
 New Account: Equipment Service **#5859.006**, annual inspections for aerial lift, forklift
 Alarm Systems **#5880.006**: First Alarm- alarm monitoring service and cellular backup \$1,500/yr, Mission System for three units (Influent Building, Influent Manhole, and Effluent Building) \$3,912 (1,200 per unit)
 HR Consulting **#5885.006**: Consultant \$32K; Recruitment \$15K; Misc \$3K
 Equipment Rental **#5890.006**: Crane rental work for pulling pumps, aerial lift rental
 Janitorial Service **#5900.006**: Cleaning at plant and lab
 Copier Service **#5910.006**: Operations Copier Building Monthly Charge (\$250)

**Carmel Area Wastewater District
Treatment Dept.: Operating Expense Budget 2022-23**

Description	Comments
	<p>Laundry #5940.006: Up to 5% increase per contract, replacement/resizing shirts and pants</p> <p>Grit & Screening #6000.006: Waste Management 25 Dumpsters at \$1,100/ requesting Collections cover cost of 4 dumpsters this year. Need to add late charges</p> <p>Pest Control #6010.006: Monitoring stations for rodents.</p> <p>Sewer/Pretreatment Ordinance #6015.006: moved to GL Code 5550.6 (\$2,500)</p> <p>Instrumentation Services #6020.006: calibration of air flow meters (FCI) \$3,900, water/sludge flow meters (ABB) \$3,800, Hach annual calibration of LDO probes \$2,000, Suspended Solids probes \$1,500, ORP probes \$1,500, Natural Gas flow meter calibration (Sierra Instruments) \$1,000, pressure and level transducer calibration \$1,800, Hach Claros annual renewal \$1,201, microscope calibration \$610, lab balances \$450.00</p> <p>Hoist Certification #6030.006: Annual inspection and testing of overhead cranes.</p> <p>Hazardous Chemical Disposal #6040.006: Compliance with Hazard Waste Laws for Disposal, Lab \$1,000, Disposal of expired paint and chemicals.</p> <p>Outfall Inspection #6045.006: Annual Inspection tied to Discharge Permit #R3-2014-0013. \$10,000.00</p> <p>Lagoon Inspection #6045.006: Annual Inspection tied to Discharge Permit #R3-2014-0013. \$4,500.00</p> <p>Ocean Monitoring Program #6050.006: Acute & Chronic Toxicity \$5,280</p> <p>Plant tree trimming: Every 5 years. Just completed FY21-22</p>
Repairs & Maintenance	<p>Microturbine R&M/Flare #6160.006: Media analysis and 30kW maintenance.</p> <p>Standby Generator/Switchgear #6200.006: 5 year inspection and testing of main circuit breakers.</p> <p>Aeration Blowers #6210.006: Replacement DO Probe Membranes \$3,500, Calibration of Suspended Solids meters \$3,501 (readjust based on current quote)</p> <p>Lab Equipment #6240.006: Sampler replacement skid \$2,500 *2 (CAWD/ Reclamation), TOC Compressor \$2,500 (50%CAWD/50% Reclamation), pH probes \$500 (50%CAWD/50% Reclamation, Laboratory equipment repairs \$500.00 . Two complete lab samplers \$8,900.00 each *2 at secondary clarifier and return activated sludge vault. One Field sampler for install on the PBCSD flow station at \$8,900.00</p> <p>Effluent/Outfall #6265.006: Analyzer supplies \$3,500, Flow meter calibrations \$1,000,</p> <p>Influent #6260.006: Influent flow meter calibration \$1,000, Replacement pH probe \$1,000, Skimmer blade supplies \$2,751</p> <p>Dewatering #6280.006: Replacement Belt Press Belts \$4,700, Polymer machine parts \$3,500, Hoses \$500</p> <p>Secondary/RAS/WAS #6300.006: Skimmer arms, gear drive repairs, pump and instrument repair and maintenance.</p> <p>Buildings #6320.006: Fence repair</p>
Utilities	<p>Electricity-Secondary #6352.006: PG&E estimated increase 0% based off of actual 2021-22 budget</p> <p>Co-Gen Non-Energy Plant #6359.006: Decommissioning charges by PG&E for Diablo Canyon Nuclear Power Plant increased costs \$2,000.00, Plus other misc. equipment for Co-gen</p> <p>Gas #6360.006: Increased costs for Micro Turbines shutdown during Phase II construction.</p>

**Carmel Area Wastewater District
Treatment Depart.: Operating Expense Budget 2022-23**

Description	Comments
	Propane #6370.006: Forklift Fuel (Shared with all other departments) Water #6380.006: Possible Cal-Am increase of 5.6% (Shared with all other departments) Cable television #6390.006: Rate Increase for service
Telephone	Fixed Costs #6392.006: Fiber annual cost \$9,100 (projected cost increase of 3%). Cellular Phones #6393.006: District's cell phones and Ipads \$3,501
Travel & Training	Employee Training #6420.006: Test prep classes, instrumentation training (on-line), Activated Sludge classes, supervisor training (on-line) Conferences #6430.006: CWEA conference (year-2022), Tri-State (?), P3S conference (On-line), Business meetings #6440.006: \$700 misc meetings
Permitting	Treatment Plant Permits #6470.006: NPDES Annual Renewal \$22,000 and Storm Water permit \$1,475.00 Air Pollution Control Board #6480.006: Annual MBARD permits Environmental Health Permit #6490.006: Storing of Chemicals onsite Monterey County Permit Lab Registration Fees #6510.006: ELAP Permit Fees \$4,250, Third Party Assesor \$5,500, misc. charges \$1,001
Membership/Subscriptions	Employee Certification #6550.006: 9 SWRCB Operation Certifications (includes Mr. Ange) renewals \$1,750 CAWD #6560.006: Certification Renewals \$1300, Memberships \$2800 Subscriptions/Publications #6640.006: Online SDS, Increase operator and maintenance library.
Safety	Fire Extinguisher Service #6730.006: Annual service for treatment plant Safety Supplies/Emerg Response #6735.006: Nitrile gloves, safety glasses, hearing protection. Uniforms/Boots/Gear #6750.006: Boots for 18 staff at \$225 each. Raingear, Hard hats. Safety Training #6760.006: Annual training during safety weeks for operations and maintenance staff. Confined space, HAZWOPER, Emergency Response Policies & Procedures #6770.006: Treatment Plant Emergency Response SOP, LOTO Equipment Specific SOP. COVID Supplies #6799.006: Filters for HEPA, Masks

O & M Budget
Administration Dept.

**Carmel Area Wastewater District
Administration: 2022-23 Operating Expense Budget**

Description	Account #	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Salaries	5030.007	611,907	547,192	111.83%	641,356	565,706	113.37%	672,010	4.78%	705,611	5.00%
Temp Employee			0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>		<u>∞</u>
Overtime	5035.007	2,868	1,000	286.83%	2,907	1,000	290.70%	1,000	-65.60%	1,000	0.00%
<i>Total Salaries</i>		614,775	548,192	112.15%	644,263	566,706	113.69%	673,010	4.46%	706,611	4.99%
Payroll Taxes	5045.007	43,006	40,427	106.38%	49,064	43,277	113.37%	51,485	4.94%	54,056	4.99%
<i>Total Payroll Taxes</i>		43,006	40,427	106.38%	49,064	43,277	113.37%	51,485	4.94%	54,056	4.99%
<i>Employee Benefits:</i>											
Health insurance	5070.007	32,410	32,489	99.76%	34,338	36,566	93.91%	37,000	7.75%	38,850	5.00%
CalPERS retirement	5080.007	203,304	55,935	363.46%	47,681	56,540	84.33%	54,608	14.53%	57,376	5.07%
SAM retirement	5090.007	0	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Worker's Compensation	5100.007	17,658	24,000	73.57%	12,218	20,000	61.09%	24,640	101.67%	25,670	4.18%
Life Insurance	5110.007	474	1,527	31.02%	455	550	82.64%	475	4.50%	475	0.00%
PEHP insurance	5120.007	8,294	7,470	111.04%	8,645	7,221	119.73%	8,700	0.63%	8,850	1.72%
Dental reimbursement	5130.007	10,755	9,600	112.03%	15,850	8,600	184.30%	8,800	-44.48%	8,800	0.00%
Vision insurance	5140.007	1,399	1,800	77.73%	1,598	1,475	108.36%	1,550	-3.02%	1,550	0.00%
Disability insurance	5150.007	3,121	5,200	60.02%	3,085	1,725	178.83%	3,480	12.81%	3,480	0.00%
HSA contributions	5160.007	5,383	7,200	74.77%	4,054	4,656	87.08%	5,000	23.33%	5,000	0.00%
Employee Assistance Program	5180.007	500	815	61.33%	276	815	33.90%	250	-9.51%	300	20.00%
Employee Awards	5185.007	25	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Annual District picnic	5186.007	433	3,000	14.43%	3,588	3,000	119.60%	3,500	-2.45%	3,500	0.00%
Medical exams	5200.007	0	0	<u>∞</u>	605	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Allocate to Reclamation	5205.007	(10,404)	0	<u>∞</u>	(12,805)	0	<u>∞</u>	0	-100.00%	0	#DIV/0!
<i>Total Employee Benefits</i>		273,352	149,036	183.41%	119,589	141,148	84.73%	148,003	23.76%	153,851	3.95%
<i>Directors Fees</i>											
Regular Board Meetings	5230.007	8,800	8,800	100.00%	8,800	8,800	100.00%	8,800	0.00%	8,800	0.00%
PBCSD - Directors fees	5240.007	1,250	1,750	71.43%	1,400	1,400	100.00%	1,400	0.00%	1,400	0.00%
Special Board Meetings	5250.007	750	5,700	13.16%	700	7,600	9.21%	7,600	985.71%	7,600	0.00%
Committee meetings	5260.007	1,800	2,100	85.71%	2,300	2,300	100.00%	2,300	0.00%	2,300	0.00%
Special District Assoc.	5265.007	0	100	<u>∞</u>	100	100	100.00%	100	0.00%	100	0.00%
WateReuse	5269.007	0	1,500	0.00%	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
CASA - Directors fees	5270.007	0	1,350	0.00%	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>

**Carmel Area Wastewater District
Administration: 2022-23 Operating Expense Budget**

Description	Account #	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Training	5275.007	75	3,000	∞	100	3,000	3.33%	3,000	∞	3,000	0.00%
Director's Dental Claims	5280.007	6,288	12,000	52.40%	4,256	10,000	42.56%	10,000	134.96%	10,000	0.00%
<i>Total Directors Fees</i>		18,963	36,300	52.24%	17,656	33,200	53.18%	33,200	88.04%	33,200	0.00%
<i>Trucks & Autos</i>											
Gasoline	5310.007	150	250	59.98%	150	250	60.00%	250	66.67%	250	0.00%
Tires, Batteries, Service	5340.007	0	100	0.00%	0	100	0.00%	200	∞	200	0.00%
Outside Repair services	5345.007	0	300	0.00%	0	300	0.00%	300	∞	300	0.00%
Repair parts	5350.007	32	0	∞	70	75	93.33%	75	7.14%	75	0.00%
Vehicle accessories	5360.007	74	0	∞	0	0	∞	0	∞	0	∞
Smog Check - Vehicles	5380.007	0	100	0.00%	110	110	100.00%	110	0.00%	110	0.00%
Cleaning & detailing	5410.007	14	50	27.98%	200	50	400.00%	150	-25.00%	150	0.00%
EE mileage reimbursement	5430.007	0	100	0.00%	50	50	100.00%	50	∞	50	0.00%
<i>Total Trucks & Autos</i>		270	900	29.98%	580	935	62.03%	1,135	95.69%	1,135	0.00%
<i>Property/Liability Insurance</i>											
Property Insurance	5450.007	1,170	630	185.71%	982	1,345	73.01%	1,080	10.00%	1,188	10.00%
General Liability	5480.007	9,700	9,700	100.00%	17,069	11,155	153.02%	18,776	10.00%	20,653	10.00%
Vehicle		0	0	∞	225	0	∞	248	10.00%	272	10.00%
Errors & Omissions	5480.007	5,520	5,520	100.00%	2,538	6,350	39.97%	2,792	10.00%	3,071	10.00%
Commerical Crime Policy	5480.007	1,550	1,550	100.00%	885	1,785	49.58%	974	10.00%	1,071	10.00%
Cyber Crime Insurance		1,730	1,730	100.00%	885	1,990	44.47%	974	10.00%	1,071	10.00%
<i>Total Insurance</i>		19,670	19,130	102.82%	22,584	22,625	99.82%	24,842	10.00%	27,327	10.00%
<i>Audit/Financial Expense</i>	5490.007	29,550	40,000	73.88%	25,175	40,000	62.94%	22,550	-10.43%	23,226	3.00%
<i>Engineering Fees</i>	5500.007	264	75,000	0.35%	312	25,000	1.25%	1,500	∞	1,500	0.00%
<i>Attorney Fees</i>											
District Counsel	5510.007	32,711	50,000	65.42%	28,653	36,000	79.59%	36,000	25.64%	36,000	0.00%
Outside Counsel	5510.007	0	70,000	0.00%	0	5,000	0.00%	5,000	∞	5,000	0.00%
CASA Conference Attendance	5510.007	0	1,000	0.00%	0	1,000	0.00%	0	∞	0	∞
<i>Total Attorney Fees</i>		32,711	121,000	27.03%	28,653	42,000	68.22%	41,000	43.09%	41,000	0.00%
<i>Office Supplies & Service</i>											

**Carmel Area Wastewater District
Administration: 2022-23 Operating Expense Budget**

Description	Account #	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Bank fees	5515.007	2,592	3,150	82.29%	100	100	100.00%	100	0.00%	100	0.00%
Public Outreach & Promotion	5519.007	8,870	1,500	591.32%	6,500	6,500	100.00%	6,500	0.00%	6,500	0.00%
Computers & equipment	5540.007	1,478	7,500	19.70%	1,898	5,000	37.97%	5,000	163.39%	5,000	0.00%
Furnishings & fixtures	5545.007	1,267	2,500	50.67%	3,565	2,500	142.60%	4,000	12.20%	4,000	0.00%
Paper & printing	5550.007	664	3,500	18.97%	937	3,000	31.24%	1,500	60.04%	1,500	0.00%
District Codification		0	0	∞	20,000	0	∞	25,000	25.00%	0	-100.00%
Postage & shipping	5560.007	1,750	2,000	87.52%	1,876	2,000	93.81%	2,000	6.59%	2,000	0.00%
Office Supplies	5570.007	7,777	3,000	259.23%	7,497	4,500	166.59%	7,500	0.05%	7,500	0.00%
Post Office Box Rental	5585.007	226	300	75.33%	285	300	95.00%	300	5.26%	300	0.00%
Temp Services	5595.007	0	3,500	0.00%	280	3,500	8.00%	500	78.57%	300	-40.00%
<i>Total Office Supplies & Svc.</i>		24,624	26,950	91.37%	42,938	27,400	156.71%	52,400	22.04%	27,200	-48.09%
<i>Operating Supplies</i>											
Janitorial Supplies	5730.007	123	500	24.68%	385	500	76.95%	500	29.96%	500	0.00%
Personnel Supplies	5740.007	153	1,000	15.27%	329	1,000	32.88%	500	52.06%	500	0.00%
General Operating Supplies	5790.007	170	300	56.74%	25	300	8.47%	250	883.33%	250	0.00%
<i>Total Operating Supplies</i>		446	1,800	24.80%	739	1,800	41.05%	1,250	69.15%	1,250	0.00%
<i>Contractual Services</i>											
Network Administration	5830.007	18,176	20,000	90.88%	31,354	27,000	116.13%	32,922	5.00%	34,568	5.00%
Website Maintenance	5835.007	4,800	4,800	100.00%	4,746	4,800	98.87%	4,983	5.00%	5,232	5.00%
Alarm System	5880.007	1,875	2,000	93.75%	2,941	2,200	133.67%	2,200	-25.19%	2,200	0.00%
HR consulting	5885.007	9,937	11,100	89.52%	12,000	12,000	100.00%	12,000	0.00%	12,000	0.00%
Janitorial Service	5900.007	410	3,500	11.71%	3,653	3,500	104.37%	4,280	17.16%	4,494	5.00%
Copier/Fax Service	5910.007	2,531	7,200	35.15%	4,122	4,000	103.05%	4,328	5.00%	4,350	0.51%
Actuarial Service	5920.007	10,580	10,000	105.80%	6,647	10,000	66.47%	10,000	50.44%	10,000	0.00%
Payroll Processing	5950.007	7,247	7,100	102.07%	6,829	8,000	85.36%	8,000	17.15%	8,000	0.00%
Data processing - County	5970.007	25,681	22,550	113.88%	26,965	22,550	119.58%	28,313	5.00%	29,729	5.00%
Landscape Maintenance	5980.007	1,385	6,500	21.31%	1,363	4,000	34.07%	2,000	46.77%	2,000	0.00%
Other Special Studies/Services	6070.007	0	25,000	0.00%	0	0	∞	0	∞	0	∞
<i>Total Contractual Services</i>		82,622	119,750	69.00%	100,619	98,050	102.62%	109,026	8.36%	112,573	3.25%
<i>Repairs & Maintenance</i>	6320.007	11,575	5,000	231.49%	1,241	5,000	24.81%	1,365	10.00%	1,501	10.00%
<i>Utilities</i>											
Electricity	6358.007	7,437	4,300	172.94%	6,225	6,945	89.64%	6,537	5.00%	6,863	5.00%

**Carmel Area Wastewater District
Administration: 2022-23 Operating Expense Budget**

Description	Account #	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Gas	6360.007	3,686	1,650	223.37%	3,383	2,573	131.48%	3,552	5.00%	3,730	5.00%
Water	6380.007	2,797	4,590	60.93%	2,732	2,800	97.58%	2,937	7.50%	3,084	5.00%
Refuse Collection	6385.007	700	675	103.65%	744	750	99.21%	781	5.00%	820	5.00%
<i>Total Utilities</i>		14,619	11,215	130.35%	13,085	13,068	100.13%	13,807	5.52%	14,498	5.00%
Telephone											
Fixed Costs	6392.007	5,166	7,600	67.97%	5,056	6,500	77.78%	5,309	5.00%	5,574	5.00%
Cellular Phones	6393.007	1,932	3,000	64.39%	2,003	3,500	57.24%	2,304	15.00%	2,534	10.00%
<i>Total Telephone</i>		7,097	10,600	66.96%	7,059	10,000	70.59%	7,613	7.84%	8,108	6.51%
Travel & Training											
Employee Training	6420.007	0	10,000	0.00%	2,115	5,000	42.31%	4,000	89.10%	4,000	0.00%
Conferences	6430.007	1,774	10,000	17.74%	992	10,000	9.92%	5,000	404.27%	5,000	0.00%
Business Meetings - Tri Tac	6440.007	242	1,700	14.22%	714	1,700	41.97%	1,700	138.24%	1,700	0.00%
<i>Total Travel & Meetings</i>		2,015	21,700	9.29%	3,820	16,700	22.88%	10,700	180.08%	10,700	0.00%
Membership/Subscriptions											
LAFCO Admin Fee	6520.007	17,397	22,000	79.08%	19,218	22,000	87.35%	23,550	22.54%	24,728	5.00%
Employee certifications	6550.007	180	200	90.00%	0	200	0.00%	200	∞	200	0.00%
Memberships											
CASA	6570.007	13,600	23,722	57.33%	13,600	14,500	93.79%	14,280	5.00%	14,280	0.00%
ASCE	6575.007	0	300	0.00%	0	300	0.00%	300	∞	300	0.00%
WEF	6580.007	332	350	94.86%	0	350	0.00%	350	∞	350	0.00%
CSDA	6590.007	7,805	7,752	100.68%	8,195	7,800	105.06%	8,605	5.00%	9,035	5.00%
WaterReuse Association	6600.007	0	300	0.00%	0	300	0.00%	300	∞	300	0.00%
GFOA	6610.007	0	175	0.00%	0	175	0.00%	175	∞	175	0.00%
Water Awareness Committee	6625.007	2,000	1,000	∞	0	1,000	0.00%	1,000	∞	1,000	0.00%
Other	6635.007	0	3,500	0.00%	0	3,500	0.00%	3,500	∞	3,500	0.00%
Subscriptions/Publications	6640.007	319	750	42.56%	659	750	87.91%	750	13.75%	750	0.00%
Calif Chamber of Commerce	6645.007	649	650	∞	659	650	101.38%	650	-1.37%	650	0.00%
<i>Total Membership/Subscrip.</i>		42,282	60,699	69.66%	42,331	51,525	82.16%	53,660	26.76%	55,267	3.00%
Other Expenses											
Fire extinguisher	6730.007	38	200	18.81%	200	200	100.00%	200	0.00%	200	0.00%
Uniforms, boots, gear	6750.007	0	130	∞	0	0	∞	0	∞	0	∞

**Carmel Area Wastewater District
Administration: 2022-23 Operating Expense Budget**

Description	Account #	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr. Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Training	6760.007	0	1,500	0.00%	636	1,500	42.37%	1,500	136.00%	1,500	0.00%
Legal Notices	8920.007	396	2,000	19.80%	458	2,000	22.88%	1,000	118.52%	1,000	0.00%
Rate Payer Claims	8930.007	66	2,500	2.62%	0	2,500	0.00%	2,500	∞	2,500	0.00%
CAWD Newsletter	8940.007	27,505	32,000	85.95%	34,000	34,000	100.00%	36,000	5.88%	38,000	5.56%
Contingency	8980.007	0	0	∞	0	0	∞	79,319	∞	0	∞
Virus supplies	6799.007	1,654	0	∞	30	0	∞	0	-100.00%	0	∞
<i>Total Other Expense</i>		29,659	38,330	77.38%	35,323	40,200	87.87%	120,519	241.19%	43,200	-64.16%
Subtotal Operating Expense		1,247,498	1,326,029	94.08%	1,155,031	1,178,634	98.00%	1,367,066	18.36%	1,316,203	-3.72%
Depreciation Expense	8997.007	24,755	34,000	72.81%	34,000	34,000	100.00%	34,000	0.00%	34,000	0.00%
Amortization Expense	8998.007	0	4,860	0.00%	0	4,860	0.00%	4,860	∞	4,860	0.00%
Total Operating Expense		1,272,253	1,364,889	93.21%	1,189,031	1,217,494	97.66%	1,405,926	18.24%	1,355,063	-3.62%

**Carmel Area Wastewater District
Administration: 2022-23 Operating Expense Budget**

Description	Comments
<i>Salaries</i>	COLA 3.8%; estimate 4.0% for 2023-24
<i>Director fees</i>	Includes provision of Board Retreat sessions
<i>Trucks and Autos</i>	Assumes that the District vehicle will be in use more with COVID-19 potentially fading.
<i>Property/Liability/Auto Insurance</i>	U.S. Wildfires, Storms, Civil Disorders and ‘Social Inflation’ have created intense pressure on insurers in North America, causing insured losses in the billions, and while COVID -19 has of course added new types of losses to the mix, more so, it has created additional uncertainty which is adding to an already difficult insurance marketplace. Initial cost estimates for CSRMA's various policy renewals were expected to be up in the 10% range. In light of the above market pressure, and adverse loss development in the Pooled Liability Program itself, the Program Administrators are writing to update our estimate of the renewal cost, and we are now of the opinion that it is possible that an increase could come in ultimately more in the range of at a 15% - 25% increase over the current, expiring program. This is the result of a combination of insurance market conditions and loss experience in the Program. While the Program is not experiencing an increase in the frequency (number) of claims, we are seeing an increase in the severity (cost) of claims.
<i>Audit/Financial Expense</i>	New contract with The Pun Group - 3 year with option for an additional 3 years
<i>Office Supplies and Service</i>	Includes funding for part 2 of Codification Project started in 2021-22.
<i>Contractual Services</i>	Actuarial service includes funding for one termination package
<i>Utilities</i>	Assumes increase due to inflation and global instability of power market (i.e. Ukraine)

O & M Budget Reclamation

Carmel Area Wastewater District
Reclamation: Operations Budget 2022-23

Description	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Plant Salaries, Benefits & OH										
Plant Superintendent	16,913	22,100	76.53%	16,356	22,119	73.95%	17,010	4.00%	17,776	4.50%
Laboratory Supervisor	32,137	41,600	77.25%	24,010	41,849	57.37%	24,971	4.00%	26,094	4.50%
Laboratory Technician	60,623	61,800	98.10%	67,881	68,188	99.55%	70,597	4.00%	73,773	4.50%
Plant Operators	157,549	149,800	105.17%	186,632	158,027	118.10%	194,097	4.00%	202,832	4.50%
Maintenance Supervisor	9,290	12,800	72.58%	16,036	11,764	136.31%	16,677	4.00%	17,427	4.50%
Maintenance Mechanics	31,557	3,100	1017.97%	24,117	41,311	58.38%	25,082	4.00%	26,210	4.50%
Safety Officer	9,680	9,000	107.56%	12,847	8,996	142.81%	13,361	4.00%	13,963	4.50%
Differential	16,723	12,600	132.72%	17,459	8,440	206.86%	18,158	4.00%	18,975	4.50%
Payroll Taxes, Benefits, & OH	172,381	156,400	110.22%	182,669	180,347	101.29%	189,976	4.00%	198,525	4.50%
<i>subtotal</i>	506,853	469,200	108.02%	548,008	541,041	101.29%	569,929	4.00%	595,576	4.50%
Administrative Salaries										
General Manager	2,065	1,350	152.97%	978	1,650	59.27%	1,017	4.00%	1,063	4.50%
Project Accountant	9,822	15,540	63.21%	12,049	12,873	93.60%	12,531	4.00%	12,907	3.00%
Engineering	8,921	15,000	59.47%	12,729	10,694	119.03%	13,238	4.00%	13,635	3.00%
Admin. Svcs/Scanner	10,289	6,540	157.32%	11,359	11,496	98.81%	11,814	4.00%	12,168	3.00%
Payroll Taxes, Benefits, & OH	10,404	19,215	54.15%	18,558	18,357	101.09%	19,300	4.00%	19,887	3.04%
<i>subtotal</i>	41,501	57,645	71.99%	55,673	55,070	101.09%	57,900	4.00%	59,660	3.04%
Directors Fees	750	1,000	75.00%	1,050	1,000	105.00%	1,050	0.00%	1,000	-4.76%
Insurance	15,344	0	<u>∞</u>	19,449	0	<u>∞</u>	20,000	2.83%	20,000	<u>∞</u>
Operating Supplies/Services	10,150	8,500	119.42%	1,061	8,500	12.48%	8,500	701.12%	8,500	0.00%
Contract Services	5,196	0	<u>∞</u>	1,127	0	<u>∞</u>	0	-100.00%	0	<u>∞</u>
Repairs & Maintenance	6,858	4,300	159.48%	5,117	4,300	119.00%	4,300	-15.97%	4,300	0.00%
Utilities	38,218	0	<u>∞</u>	45	0	<u>∞</u>	0	-100.00%	0	<u>∞</u>
Safety	0	1,000	0.00%	0	1,500	0.00%	1,500	<u>∞</u>	1,500	0.00%
Total Reimbursable Reclamation	624,870	541,645	115.37%	631,530	611,411	103.29%	663,179	5.01%	690,535	4.13%
Project Expenditures										

O & M Budget Waste-to-Energy

Carmel Area Wastewater District
Waste to Energy: Operations Budget 2022-23

Description	Acct	2020-21			Estimated 2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Salaries & Payroll Taxes											
Salaries	5030.009	1,622	100	1622.47%	1,465	1,000	146.48%	0	-100.00%	0	<u>∞</u>
Payroll taxes	5045.009	124	8	1549.75%	112	77	145.53%	0	-100.00%	0	<u>∞</u>
<i>subtotal</i>		1,746	108	1617.08%	1,577	1,077	146.41%	0	-100.00%	0	<u>∞</u>
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	2,000	0.00%	0	5,000	0.00%	0	<u>∞</u>	0	<u>∞</u>
<i>subtotal</i>		0	2,000	0.00%	0	5,000	0.00%	0	<u>∞</u>	0	<u>∞</u>
Repairs & Maintenance											
General Repairs	6095.009	4,959	0	<u>∞</u>	1,424	3,000	<u>∞</u>	0	-100.00%	0	<u>∞</u>
<i>subtotal</i>		4,959	0	<u>∞</u>	1,424	3,000	<u>∞</u>	0	-100.00%	0	<u>∞</u>
Permits & Fees											
Dept of Food & Ag	6505.009	7,100	7,000	101.43%	0	7,200	0.00%	0	<u>∞</u>	0	<u>∞</u>
<i>subtotal</i>		7,100	7,000	101.43%	0	7,200	0.00%	0	<u>∞</u>	0	<u>∞</u>
NI Waste to Energy		13,805	9,108	151.58%	3,001	16,277	18.43%	0	-100.00%	0	<u>∞</u>

**Carmel Area Wastewater District
Waste to Energy: Operating Expense Budget 2022-23**

Description	Comments
<i>Waste to Energy</i>	New Organic recycle laws that went into effect at the end of 2020 will give the opportunity for CAWD to increase potentially the amount of food waste and organics to produce more digester gas and allow the micro-turbines to operate at full production outputs in the future. Staff along with the Principle Engineer for the CAWD are actively searching for potential Grants to further enhance the Waste to Energy Program.

O & M Budget Brine Disposal

Carmel Area Wastewater District
Brine Disposal: Operations Budget 2022-23

Description	Acct	2020-21			2021-22			Proposed 2022-23 Budget	% Chg. Prior Yr. Actual	Projected 2023-24 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Salaries & Payroll Taxes											
Salaries		908	1,750	51.89%	1,548	1,500	96.90%	1,500	-3.10%	1,500	0.00%
Overtime		0	0	∞	310	0	∞	300	-3.23%	300	0.00%
Payroll taxes		71	134	53.04%	142	115	80.91%	138	-3.12%	138	0.22%
	<i>subtotal</i>	979	1,884	51.98%	2,000	1,615	80.74%	1,938	96.88%	1,938	0.02%
Office Expense											
Paper & printing		0	0	∞	0	25	∞	25	∞	25	0.00%
	<i>subtotal</i>	0	0	∞	0	25	∞	25	∞	25	0.00%
Contract Services											
Laboratory analysis		1,150	0	∞	0	0	∞	0	∞	0	∞
	<i>subtotal</i>	1,150	0	∞	0	0	∞	0	∞	0	∞
Operating Supplies											
Electrical		0	1,500	0.00%	700	700	100.00%	700	0.00%	700	0.00%
General supplies		0	0	∞	1,300	500	38.46%	300	-76.92%	300	∞
	<i>subtotal</i>	0	1,500	0.00%	2,000	1,200	60.00%	1,000	50.00%	1,000	0.00%
Repairs & Maintenance											
General Repairs		1,000	4,000	25.01%	1,390	2,000	143.85%	2,000	43.85%	2,000	0.00%
Plant Pumps		0	500	∞	0	500	∞	500	∞	500	0.00%
Chlorine/Dechlorinator		0	0	∞	0	0	∞	0	∞	0	∞
	<i>subtotal</i>	1,000	4,500	22.23%	1,390	2,500	179.81%	2,500	79.81%	2,500	0.00%
Lab Services		1,150	0	∞	0	0	∞	0	∞	0	∞
NI Waste to Energy		4,279	7,884	54.28%	5,390	5,340	99.06%	5,463	1.34%	5,463	0.01%

Carmel Area Wastewater District
Brine Disposal: Operating Expense Budget 2022-23

Description	Comments
<i>Brine Disposal</i>	Brine Disposal will be a challenge for the upcoming year as some clients are developing alternative disposal or recycle options which may effect the total amount of loads received by the treatment facility. Staff continues to receive inquiries on what disposal services CAWD can provide. All of these inquiries are vetted to the Plant Engineer to ensure they will not affect any treatment process or permit requirements.

Capital & Maintenance Budget

Capital Budget Summary

2022-23

Carmel Area Wastewater District
Capital Budget Summary 2022-23

ITEM	ALLOCATION						Totals
	Admin	Maintenance	Collection	Treatment	PBCSD	Reclamation	
1 CIP Projects for Administration	25,000						25,000
2 CIP Maintenance - Plant							0
3 CIP Projects for Collection System			6,430,000				6,430,000
4 CIP Projects for Treatment & Disposal							0
5 CIP Long Term Capital Plan for Treatment & Disposal				3,553,316	1,721,324	126,110	5,400,750
Total CIP	25,000	0	6,430,000	3,553,316	1,721,324	126,110	11,855,750
1 Capital Equipment - Administration	7,000						7,000
2 Capital Equipment - Maintenance		0					0
3 Capital Equipment - Collections			72,500				72,500
4 Capital Equipment - Treatment				3,802	1,898	51,300	57,000
Total Capital Outlay	7,000	0	72,500	3,802	1,898	51,300	136,500
Grant Funding							0
Total CIP & Capital Outlay 19-20	32,000	0	6,502,500	3,557,118	1,723,222	177,410	11,992,250

Capital Budget Summary

2023-24

Carmel Area Wastewater District
Capital Budget Summary 2023-24

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			3,317,286				3,317,286
4 CIP Projects for Treatment & Disposal							0
5 CIP Long Term Capital Plan for Treatment & Disposal				770,050	249,950	0	1,020,000
Total CIP	0	0	3,317,286	770,050	249,950	0	4,337,286
1 Capital Equipment - Administration	0						0
2 Capital Equipment - Maintenance		0					0
3 Capital Equipment - Collections			168,500				168,500
4 Capital Equipment - Treatment				5,336	2,664	8,000	16,000
Total Capital Outlay	0	0	168,500	5,336	2,664	8,000	184,500
Grant Funding							0
Total CIP & Capital Outlay 20-21	0	0	3,485,786	775,386	252,614	8,000	4,521,786

**Capital Budget
Collections Dept –
Capital Purchases**

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

Contact: Lauer
Area: Pump Station
Asset Type: Collections Force
Avg Useful Life: 20 years
Est Residual Life:
% Consumed Life:
Category: Capital Equipment
Urgency: 2 = Very Important
Carry Forward: No

Project Name: Portable Pump Station Sewage By-Pass Pump
Dept: Collections
Total Cost: \$ 72,500
CY Budget \$ 72,500
GL Account:

Asset Description

Procurement of a high head portable bypass pump for use during emergency at various pump stations. The by-pass pump will be an enclosed portable, dry priming high pressure model capable of by-pass all pump stations. The motor will be tier 4, meeting air board compliance.

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

Justification

The Collections department has smaller 2" trash pumps used to by pass from manhole to manhole which can be used at small pump stations. The current method of bypassing at the Highlands in the event of a catastrophic event (electrical panels failures or multiple pump failures) is to haul sewage using the vacon or pumper trucks to down stream gravity discharge point. The Highland pump station is unique in that the station design is for high head, high pressure pumps to convey sewage over the 3 mile force main. The bypass pump being purchased will be able to be used at all pump station not just Highlands.

Capacity of the Highlands wet well = 10,000 gal. The inground holding tank = 5,000 gal.

Asset Risk Management Strategy

Capital Improvement Risk Add Backup/Redundancy
Maintenance Risk Management Preventative Maintenance
Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor								\$ -
Engineering								\$ -
Parts & Supplies		\$ 70,000						\$ 70,000
Chemicals								\$ -
Utility								\$ -
Other		\$ 2,500						\$ 2,500
Total		\$ 72,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 72,500

2 **FY 2022-23 Budget**
Camel Area Wastewater District

Contact: Lauer
Area Pump Station
Asset Type: Pump Station
Avg Useful Life: 20 years
Est Residual Life 1 year
% Consumed Lif 98
Category: Capital Equipment
Urgency: 1 = Critical
Carry Forward: No

Project Name: Replacement of Generator at Hacienda PS
Dept: Collections
Total Cost: \$ 78,500
CY Budget \$ -
GL Account:

Asset Description

The generator at the Hacienda pump station have been in service since 1999. In the event that the utility power supply goes out, the generator supplies electricity until the power is restored. The station requires 240 volt AC, 60 Hz, 100 Amp, 25 kW, 3 phase power. The VacCon or PSTS have been used in the past in the event of need. Bypass pumps are used manhole to manhole.

Year Built: 1999
Rehabilitation Date (Extending life of Asset): n/a
Rehab Life Extension: n/a
Asset Condition Rating: 5

Justification

This generator is 23 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 which generates complaints from neighbors. Parts have become harder to locate and this model has been discontinued. Therefore the investment to replace this necessary component is strongly recommended to bring this system up to par with the systems that are already in service at our other pump stations. The potential for increased sewer hook-ups in the valley could require upsizing this generator. At this time the budget does not account for upsizing.

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	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor			\$ 5,000				\$	5,000
Engineering							\$	-
Parts & Supplies			\$ 70,000				\$	70,000
Chemicals							\$	-
Utility							\$	-
Other			\$ 3,500				\$	3,500
Total		\$ -	\$ 78,500	\$ -	\$ -	\$ -	\$ -	\$ 78,500

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

Contact: Lauer
Area: Sewer Lines
Asset Type: Computer/Network
Avg Useful Life: 15 years
Est Residual Life 1 year
% Consumed Lif 85
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 \$ 90,000
GL Account:

Asset Description

The current CMMS is specifically for the collections system, it is named ICOM and 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): n/a
Rehab Life Extension: n/a
Asset Condition Rating: Moderate Deterioration

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.

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	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies			\$ 90,000				\$	90,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ 90,000		\$ -	\$ -	\$ -	\$ 90,000

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

Contact: Lauer
Area: Vehicle
Asset Type: Vehicle Fleet
Avg Useful Life: 15 years
Est Residual Life: 1 year
% Consumed Life: 90
Category: Capital Equipment
Urgency: 3 = Important
Carry Forward: No

Project Name: Replace Collection Superintendent Truck (#17)
Dept: Collections
Total Cost: \$ 60,000
CY Budget \$ 60,000
GL Account:

Asset Description

Chevy 4X4 truck (Unit #17) primary use as the Collection Superintendent's vehicle with a dual purpose of employee conference vehicle. This vehicle was purchased in 2009 and currently has 105,106 miles on it.

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

Justification

Replacement of the 2009 Chevy 4x4 (Unit #17) which currently has 105,106 miles on it. This truck is the Collections Superintendent truck as well as the main vehicle for transportation of the Collection staff to/from conferences and training. Staff is looking to replace this vehicle with a fully electric truck (EV). In 2020 California passed a ban on the sale of gas and diesel powered vehicle by 2035. With rising fuel cost and the industry shift to Electric Vehicles staff believes that the time for the District to start moving to a EV fleet is now. The state and local air board both offer incentives for purchasing zero emission vehicles. The current vehicle storage bay has sufficient electrical outlets to charge the vehicle. The possibility of charging from the micro-turbine with minor electrical upgrade would make this vehicle a zero energy cost to operate, zero emissions and reuse of digester gas. This make for a win for the environment and lower operating cost for the District.

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	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies				\$ 60,000			\$	60,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ 60,000

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

Project #	PROJECT	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	35/36	36/37	37/38	Unscheduled	Total
1	Carmel Meadows Pipeline (Carryover)	\$ 2,000,000																	\$ 2,500,000
2	Scenic Pipe Bursting- Ocean to Bay Plus Monte Verde Area (Carryover)	\$ 3,500,000																	\$ 3,500,000
3	Pescadero Creek Area Pipe Relocation (carryover)	\$ 100,000	\$ 1,500,000																\$ 1,600,000
4	Bay/Scenic PS Rehabilitation (Carryover)	\$ 650,000																	\$ 650,000
5	Carpenter - Valley Way to 5th Avenue	\$ 180,000	\$ 896,430																\$ 1,076,430
6	Mission Street Sewer Rehab from 7th to 3rd		\$ 161,568	\$ 807,840															\$ 969,408
7	Carmel Woods Sewer Rehab		\$ 759,288	\$ 3,796,440															\$ 4,555,728
8	Santa Rita & Guadalupe Pipeline Rehab			\$ 300,000	\$ 3,369,330														\$ 3,669,330
9	Sewer Rehab -Torres/Flander/Acacia				\$ 175,000	\$ 866,520													\$ 1,041,520
10	Del Mesa Sewer Rehab #1				\$ 180,000	\$ 972,750													\$ 1,152,750
11	Santa Fe and 6th Avenues Sewer Rehab				\$ 157,530	\$ 787,650													\$ 945,180
12	Canada/Segundo/Rio Vista Area Sewer Replacement					\$ 300,000	\$ 1,070,610												\$ 1,370,610
13	Rio Road Pipeline replacement/Taylor/Ladera					\$ 200,000	\$ 1,000,000												\$ 1,200,000
14	11th Ave from Junipero to Rio Road					\$ 158,310	\$ 791,550												\$ 949,860
15	Del Mesa Sewer Rehab #2						\$ 291,396	\$ 1,456,980											\$ 1,748,376
16	Junipero School Area Sewer Replacement						\$ 331,605	\$ 1,658,025											\$ 1,989,630
17	Mission Fields Area Pipe Replacement						\$ 200,000	\$ 278,500	\$ 2,392,770										\$ 2,871,270
18	Monte Verde Pump Station and Sewer Rehab							\$ 300,000	\$ 2,050,480										\$ 2,350,480
19	Taylor Road Area Sewer Replacement							\$ 200,000	\$ 269,300	\$ 2,346,480									\$ 2,815,780
20	Upper Canada Ct/Outlook Sewer Rehab									\$ 232,302	\$ 1,161,510								\$ 1,393,812
21	Upper/Lower Trail Pipe Rehab									\$ 245,244	\$ 1,226,220								\$ 1,471,464
22	Monterey Street Sewer Replacement									\$ 124,440	\$ 622,200								\$ 746,640
23	Calle la Cruz Pump Station Relocation									\$ 400,000	\$ 550,000	\$ 3,550,000							\$ 4,500,000
24	N Mesa Drive Sewer Replacement										\$ 207,810	\$ 1,039,050							\$ 1,246,860
25	Highlands Inn Pump Station and Forced Main Rehab										\$ 350,000	\$ 200,000	\$ 2,000,000						\$ 2,550,000
26	Hacienda Pump Station Rehab											\$ 150,000	\$ 450,000						\$ 600,000
27	Hatton Road Area Sewer Rehab											\$ 267,006	\$ 1,335,030						\$ 1,602,036
28	Lincoln - 1st Avenue to Ocean											\$ 150,000	\$ 677,190						\$ 827,190
29	Pico/Camino Del Monte/Santa Fe											\$ 150,000	\$ 600,000						\$ 750,000
30	Del Mesa Sewer Rehab #3											\$ 250,000	\$ 1,136,910						\$ 1,386,910
31	San Carlos Sewer Replacement											\$ 125,000	\$ 456,000						\$ 581,000
32	Carmel Meadows/Cuesta Way Sewer Replacement											\$ 125,000	\$ 526,110						\$ 651,110
33	Upper Carmel Knolls Area Sewer Rehab											\$ 300,000	\$ 1,685,596						\$ 1,985,596
34	Cabrillo Hwy/Ocean Avenue Sewer Replacement												\$ 200,000	\$ 1,000,000					\$ 1,200,000
35	Lower Carmel Knolls Sewer Replacement												\$ 200,000	\$ 950,000					\$ 1,150,000
36	Arroyo Carmel Sewer Rehab													\$ 250,000	\$ 777,000				\$ 1,027,000
37	Doolittle Trail Sewer Replacement													\$ 550,000	\$ 2,023,460				\$ 2,573,460
38	Upsize Lower Rancho Canada Pipeline																\$ 200,000		\$ 200,000
	Collections TOTAL	\$6,430,000	\$3,317,286	\$4,904,280	\$3,881,860	\$3,285,230	\$3,685,161	\$3,893,505	\$4,712,550	\$3,348,466	\$4,117,740	\$5,356,056	\$4,987,220	\$2,617,910	\$2,611,706	\$2,750,000	\$2,800,460	\$200,000	\$ 62,899,430
	FEMA Grant Funding																	\$0	\$0
	PBCSD Share																	\$0	\$0
	CAWD COST	\$6,430,000	\$3,317,286	\$4,904,280	\$3,881,860	\$3,285,230	\$3,685,161	\$3,893,505	\$4,712,550	\$3,348,466	\$4,117,740	\$5,356,056	\$4,987,220	\$2,617,910	\$2,611,706	\$2,750,000	\$2,800,460	\$200,000	\$62,899,430

Process of Evaluation of Priority for Project

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

PACP Code Definition

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

FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Lather

Project Name: Carmel Meadows Pipeline (Carryover)

Dept.: Collections

Project Number 19-03

5 yr. Cap Projection: \$ 2,547,500.00

CY Budget \$ 2,000,000.00

GL Account: 1586.00

Pipe Material Ductile Iron and VCP pipes

Pipe Diameter 6 inch

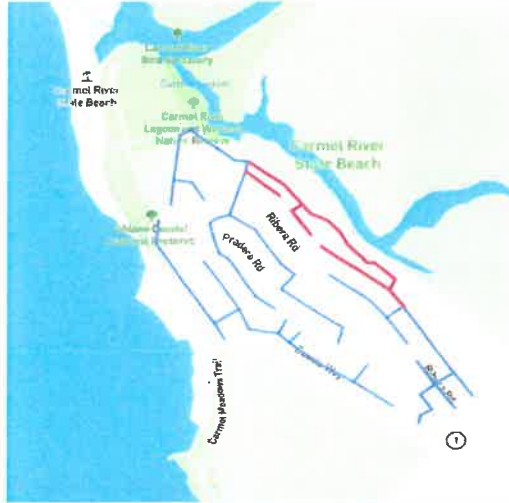
Year Built: 1962

Asset Condition Rating: PACP Defect =5

Structural Index >4

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Construction	\$	1,714,100.00						\$ 1,714,100.00
Engineering/Environmental	\$150,000	\$ 35,900.00						\$ 35,900.00
Environmental	\$	150,000.00						\$ 150,000.00
Permits								\$ -
Inspections	\$	100,000.00						\$ 100,000.00
Other								\$ -
Total	\$150,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

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

Contact: Lather
 Area Sewer Lines

Project Name: Scenic Pipe Bursting- Ocean to Bay Plus Monte Verde Area (Carryover)
 Dept.: Collections
 Project Number 20-08
 5 yr. Cap Projection: \$ 3,880,000.00
 CY Budget \$ 3,500,000.00
 GL Account: 1635.00

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

Asset Description

Replace approximately 9,525 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

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

Funding Source

Primary	Capital Reserves	Secondary							
Budget Impact/Other		Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
	Construction	\$	3,000,000						\$ 3,000,000
	Engineering	\$185,375	\$189,621						\$ 189,621
	Environmental	\$	150,000						\$ 150,000
	Construction Inspection	\$	160,379						\$ 160,379
	Other								\$ -
	Total	\$	3,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,500,000

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

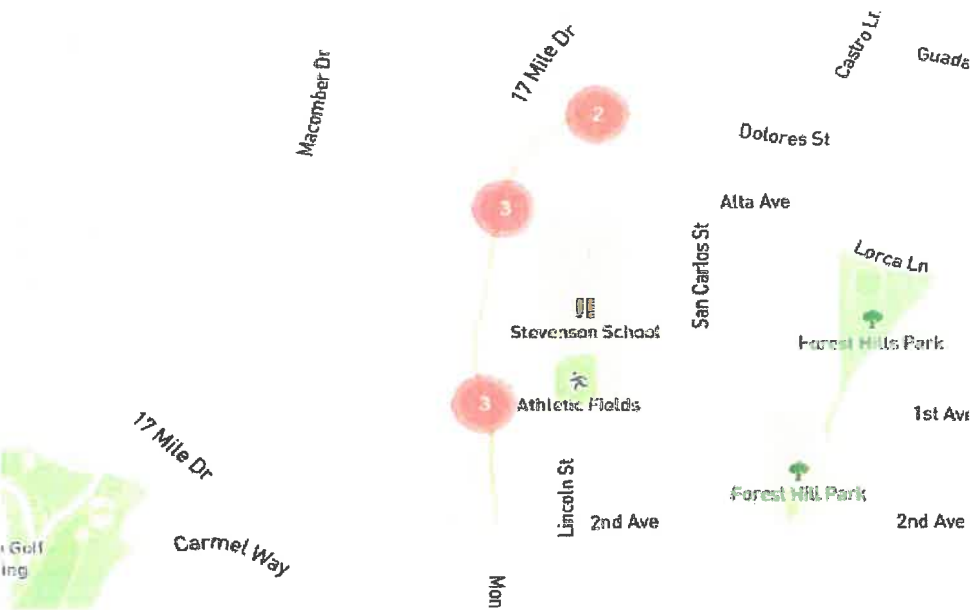
Contact: Lather
 Area Sewer Lines

Project Name: Pescadero Creek Area Pipe Relocation (carryover)
 Dept.: Collections
 Project Number 21-05
 5 yr. Cap Projection: \$ 1,600,000.00
 CY Budget \$ 100,000.00
 GL Account: 1637.00

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

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Construction			\$ 1,400,000				\$	1,400,000
Engineering	\$202,921	\$100,000						\$302,921
Environmental			\$ 100,000				\$	100,000
Total		\$ 100,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ 1,802,921

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

Contact: Lather
 Area Pump Station

Project Name: Bay/Scenic PS Rehabilitation (Carryover)
 Dept.: Collections
 Project Number: 20-07
 5 yr. Cap Projection: \$ 756,726.00
 CY Budget \$ 650,000.00
 GL Account: 1636.00

Asset Condition Rating: 5

Asset Description

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



Year Built: N/A

Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

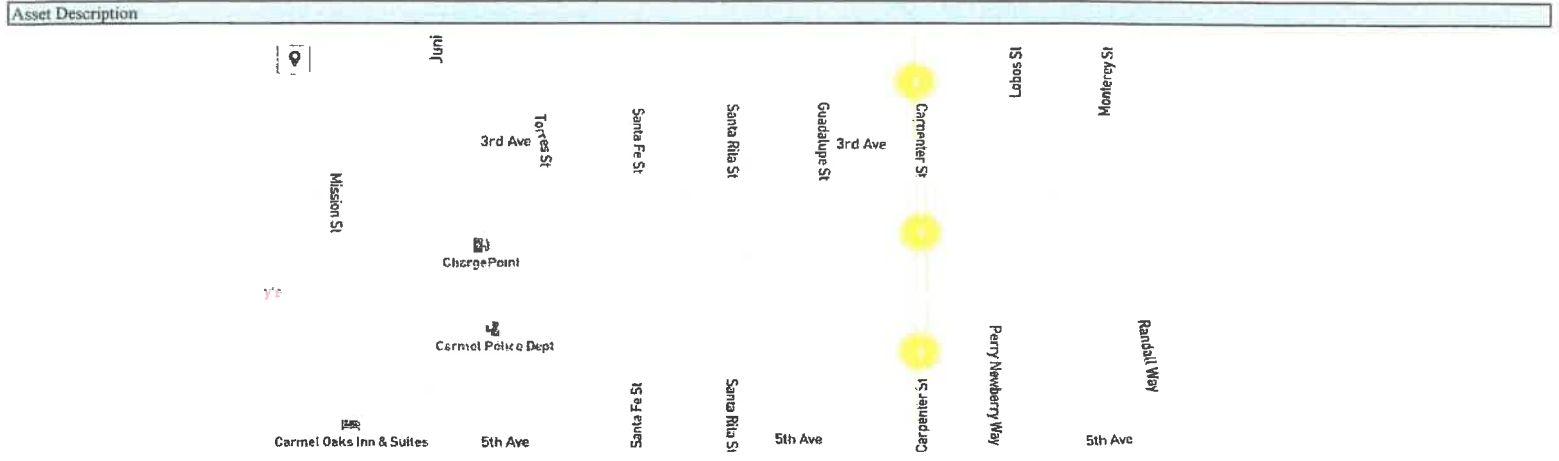
	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Construction	\$	650,000						\$650,000
Engineering	\$250,000						\$	-
Environmental							\$	-
Permits							\$	-
Inspections							\$	-
Other							\$	-
Total		\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 650,000

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

Contact: Lather

Project Name: Carpenter - Valley Way to 5th Avenue
 Dept.: Collections
 Project Number 22-XX
 5 yr. Cap Projection: \$ 1,076,430.00
 CY Budget \$ 180,000.00
 GL Account:

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



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

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

Funding Source
 Primary Capital Reserves

Budget Impact/Other	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Construction			\$ 896,430					\$ 896,430
Engineering		\$ 180,000						\$ 180,000
Other								\$ -
Total		\$ 180,000	\$ 896,430	\$ -	\$ -	\$ -	\$ -	\$ 1,076,430

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

Contact: Lather
 Area Sewer Lines
 Asset Type: Collections Gravity
 Pipe Material Vitrified Clay
 Pipe Diameter 6 inch
 Year Built: 1921
 Asset Condition Rating: PACP Defect=5
 Structural Index>4

Project Name: Mission Street Sewer Rehab from 7th to 3rd
 Dept.: Collections
 Project Number: 21-07
 5 yr. Cap Projection: \$ 969,408.00
 CY Budget \$ -
 GL Account:

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



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

Funding Source

Primary	Capital Reserves	Secondary						Unscheduled	Total
		Prior Yr.	22-23	23-24	24-25	25-26	26-27		
Budget Impact/Other									
	Construction				\$ 807,840			\$	807,840
	Engineering		\$ 161,568					\$	161,568
	Other							\$	-
	Total		\$ -	\$ 161,568	\$ 807,840	\$ -	\$ -	\$ -	\$ 969,408

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

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1921

Asset Condition Rating: PACP Defect =5

Structural Index>4

Carry Forward: Yes

Project Name: Carmel Woods Sewer Rehab

Dept.: Collections

Project Number:

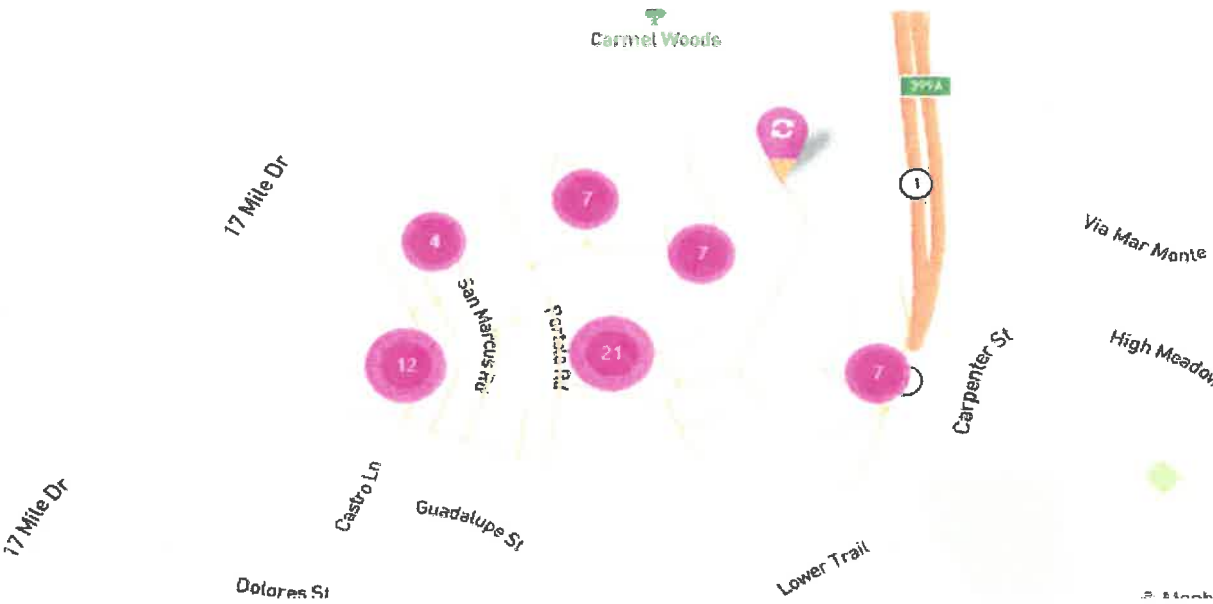
5 yr. Cap Projection: \$ 4,555,728.00

CY Budget \$ -

GL Account:

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

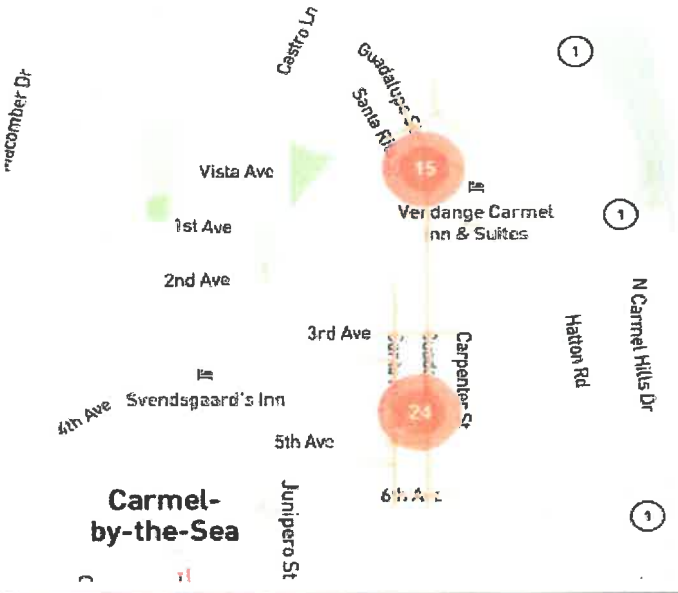
	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Construction				\$ 3,796,440				\$ 3,796,440
Engineering			\$ 759,288					\$ 759,288
Other								\$ -
Total		\$ -	\$ 759,288	\$ 3,796,440	\$ -	\$ -	\$ -	\$ 4,555,728

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

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

Project Name: Santa Rita & Guadalupe Pipeline Rehab
Dept.: Collections
Project Number:
5 yr. Cap Projection: \$3,669,330.00
CY Budget \$ -
GL Account:

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



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

Funding Source									
Primary	Capital Reserves	Secondary							
Budget Impact/Other	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total	
Construction					\$ 3,369,330			\$ 3,369,330	
Engineering				\$ 300,000				\$ 300,000	
Other								\$ -	
Total		\$ -	\$ -	\$ 300,000	\$ 3,369,330	\$ -	\$ -	\$ 3,669,330	

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

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

5 yr. Cap Projection: \$ 1,041,520.00
 CY Budget \$ -
 GL Account:

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

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



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

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Construction					\$ 866,520			\$ 866,520
Engineering				\$ 175,000				\$ 175,000
Other								\$ -
Total		\$ -	\$ -	\$ 175,000	\$ 866,520	\$ -	\$ -	\$ 1,041,520

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

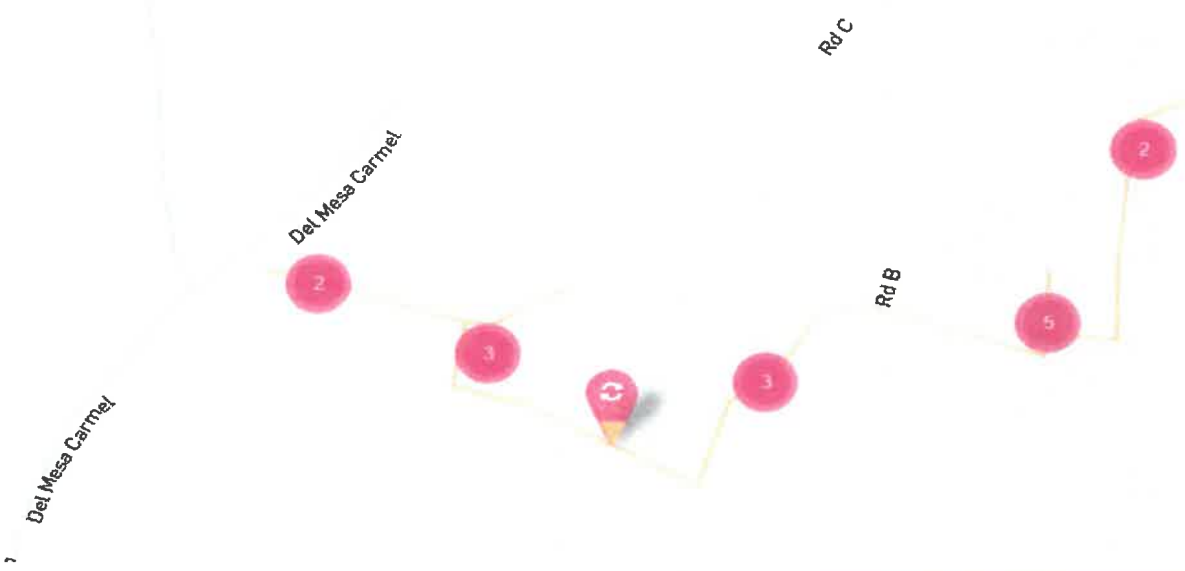
Project Name: Del Mesa Sewer Rehab #1
 Dept.: Collections

5 yr. Cap Projection: \$ 1,152,750.00
 CY Budget \$ -
 GL Account:

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

Asset Description

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



Justification

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

Funding Source

Primary	Capital Reserves	Secondary						
Budget Impact/Other	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Construction					\$	972,750		\$ 972,750
Engineering					\$180,000			\$ 180,000
Other								\$ -
Total		\$ -	\$ -	\$ -	\$ 180,000	\$ 972,750	\$ -	\$ 1,152,750

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

Contact: Lather

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

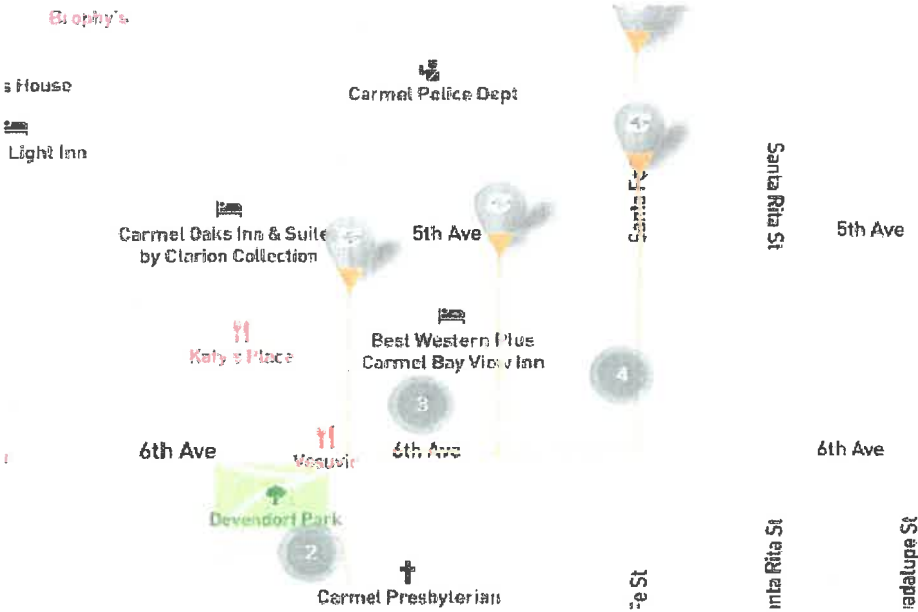
Area Sewer Lines
 Asset Type: N/A
 Pipe Material: Vitrified Clay
 Pipe Diameter: 6 inch
 Year Built: 1921

5 yr. Cap Projection: \$ 945,180.00
 CY Budget: \$ -
 GL Account:

Asset Condition Rating: PACP Defect=5
 Structural Index>5
 Carry Forward: Yes

Asset Description

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



Justification

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

Funding Source

Primary: Capital Reserves Secondary:

Budget Impact/Other

	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Construction						\$ 787,650		\$ 787,650
Engineering					\$ 157,530			\$ 157,530
Other								\$ -
Total		\$ -	\$ -	\$ -	\$ 157,530	\$ 787,650	\$ -	\$ 945,180

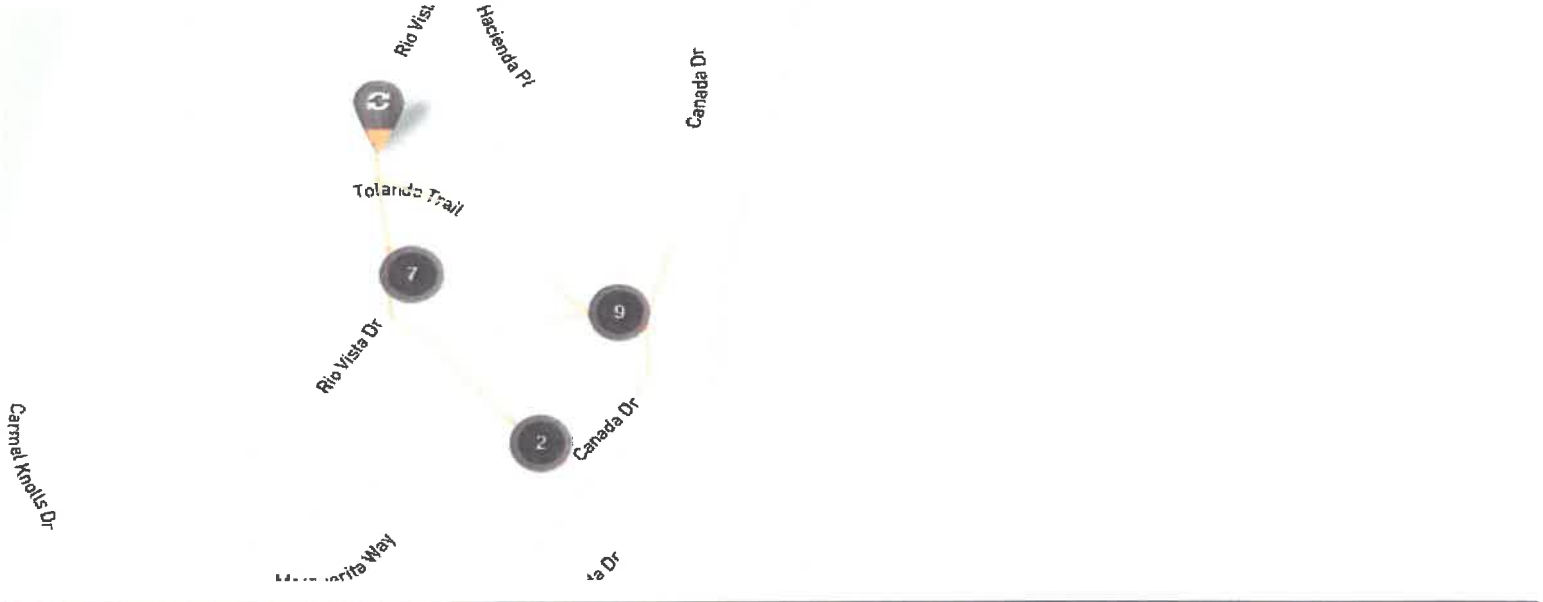
13 **FY 2022-23 Budget**
Carmel Area Wastewater District

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

5 yr. Cap Projection: \$ 1,370,610.00
CY Budget \$ -
GL Account:

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

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



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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other		Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Construction						\$	1,070,610	\$	1,070,610
Engineering						\$300,000		\$	300,000
Other								\$	-
Total			\$ -	\$ -	\$ -	\$ 300,000	\$ 1,070,610	\$ -	\$ 1,370,610

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

Contact: Lather

Area Sewer Lines

Asset Type: N/A

Pipe Material Vitrified Clay

Pipe Diameter 6 inch

Year Built: 1950

Asset Condition Rating: PACP Defect=5

Structural Index>4

Carry Forward: No

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

5 yr. Cap Projection: \$ 1,200,000.00

CY Budget \$ -

GL Account:

Asset Description

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



Justification

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

Funding Source

Primary	Capital Reserves	Secondary						
Budget Impact/Other	Prior Yr.	23-24	24-25	25-26	26-27	27-28	Unscheduled	Total
Construction						1000000		\$ 1,000,000
Engineering					\$200,000			\$ 200,000
Other								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ 1,200,000

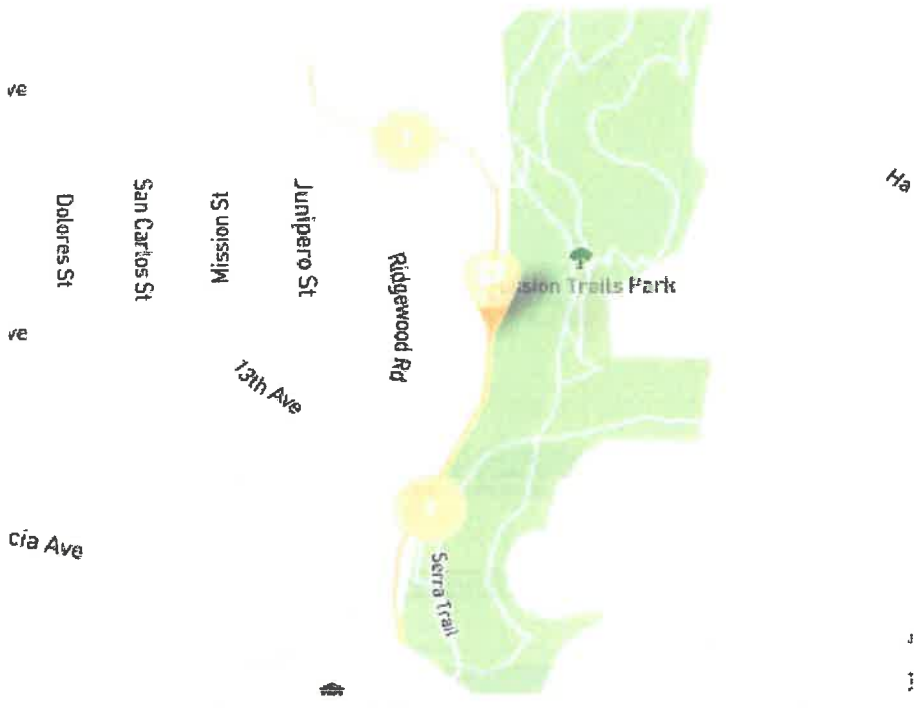
14 **FY 2022-23 Budget**
Carmel Area Wastewater District

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

5 yr. Cap Projection: \$ 949,860.00
 CY Budget \$ -
 GL Account:

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

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



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

Funding Source								
Primary	Capital Reserves	Secondary						
Budget Impact/Other	Prior Yr.	24-25	25-26	26-27	27-28	Unscheduled	Total	
Construction					\$ 791,550	\$	\$ 791,550	
Engineering				\$ 158,310		\$	\$ 158,310	
Other						\$	\$ -	
Total		\$ -	\$ -	\$ 158,310	\$ 791,550	\$ -	\$ 949,860	

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

Contact: Lather
 Area Sewer Lines

Project Name: Del Mesa Sewer Rehab #2
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 1,748,376.00
 CY Budget
 GL Account:

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

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	26-27	27-28	28-29	29-30	30-31	Unscheduled	Total
Construction				\$ 1,456,980			\$	1,456,980
Engineering			\$291,396				\$	291,396
							\$	-
							\$	-
							\$	-
Total		\$ -	\$ 291,396	\$ 1,456,980	\$ -	\$ -	\$ -	\$ 1,748,376

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

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material vcp

Pipe Diameter 6" to 10"

Year Built: 1945

Asset Condition Rating: PACP Defect=5

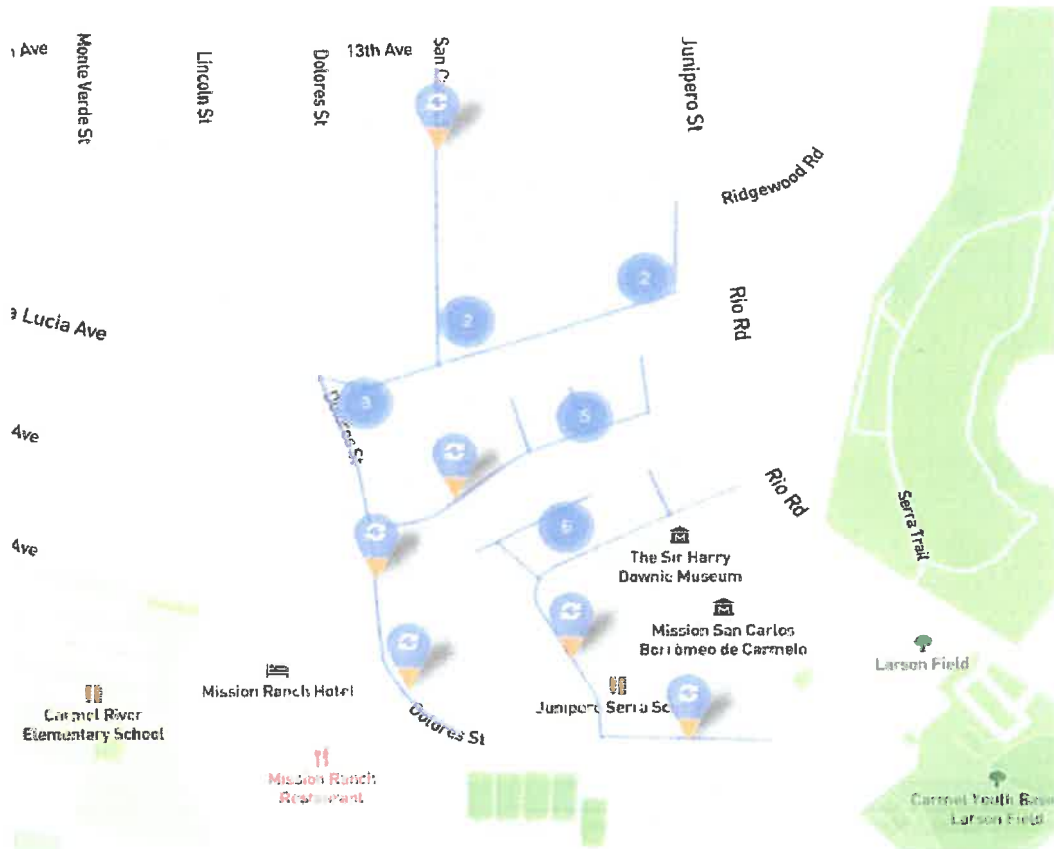
Structural Index>4.5

Carry Forward: Yes

Project Name: Junipero School Area Sewer Replacement
Dept.: Collections
Project Number
Total Cap Projection: \$ 1,788,585.00
CY Budget
GL Account:

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	26-27	27-28	28-29	29-30	30-31	Inschedule	Total
Construction				\$ 1,456,980				\$ 1,456,980
Engineering			\$331,605					\$ 331,605
								\$ -
								\$ -
								\$ -
Total	\$ -	\$ 331,605	\$ 1,456,980	\$ -	\$ -	\$ -	\$ -	\$ 1,788,585

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

Contact: Lather
Area Sewer Lines
Asset Type: Collections Gravity
Pipe Material VCP
Pipe Diameter 6" & 10"
Year Built: 1951
Asset Condition Rating: PACP Defect=5
Structural Index>3.5
Carry Forward: Yes

Project Name: Mission Fields Area Pipe Replacement
Dept.: Collections
Project Number
Total Cap Projection: \$ 2,871,270.00
CY Budget
GL Account:

Asset Description

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



Justification

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

Funding Source

Primary	Capital Reserves		Secondary					Unscheduled	Total
	Prior Yr.	26-27	27-28	28-29	29-30	30-31			
Construction					\$ 2,392,770		\$	2,392,770	
Engineering			\$200,000	278,500			\$	478,500	
Other							\$	-	
Total	\$ -	\$ 200,000	\$ 278,500	\$ 2,392,770	\$ -	\$ -	\$	2,871,270	

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

Project Name: Monte Verde Pump Station and Sewer Rehab
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 2,350,480.00
 CY Budget
 GL Account:

Contact: Lather
 Area Sewer Lines
 Asset Type: Collections Gravity
 Pipe Material VCP
 Pipe Diameter 6",10" & 12"
 Year Built: 1949
 Asset Condition Rating: PACP Defect=5
 Structural Index>3
 Carry Forward: Yes

Asset Description

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



Justification

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

Funding Source

Primary	Capital Reserves	Secondary						Total	
Budget Impact/Other		Prior Yr.	26-27	27-28	28-29	29-30	30-31	Inschedule	Total
	Labor					\$ 2,050,480		\$	2,050,480
	Engineering			\$ 300,000				\$	300,000
	Other							\$	-
	Total	\$ -	\$ -	\$ 300,000	\$ 2,050,480	\$ -	\$ -	\$ -	2,350,480

19

FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1950

Asset Condition Rating: PACP Defect=4

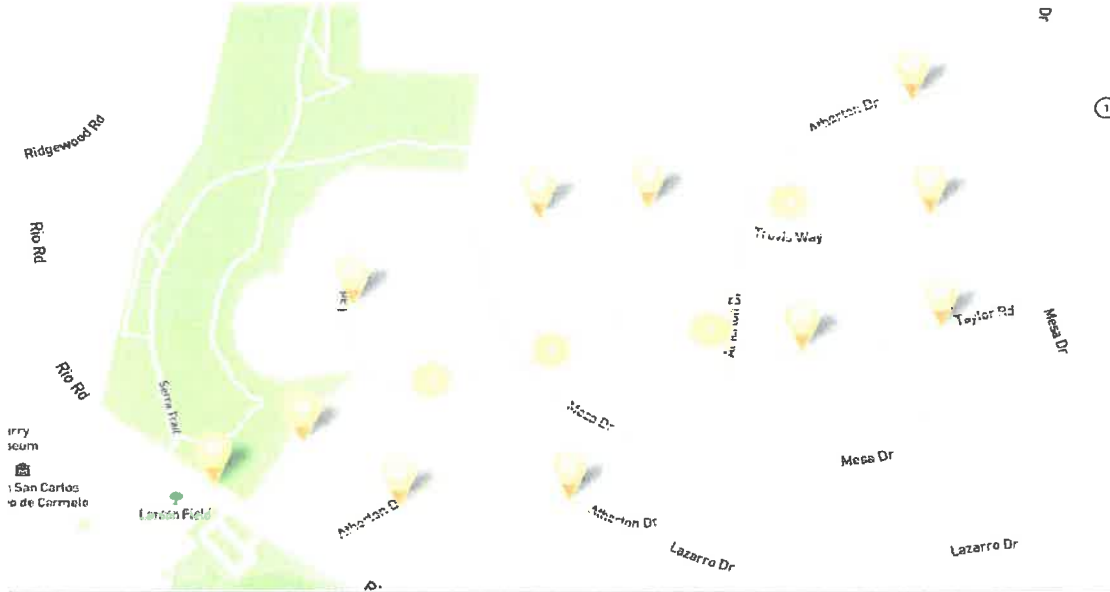
Structural Index>3

Carry Forward: Yes

Project Name: Taylor Road Area Sewer Replacement
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 2,815,780.00
 CY Budget
 GL Account:

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	27-28	28-29	29-30	30-31	31-32	32-33	Total
Construction					\$ 2,346,480			\$ 2,346,480
Engineering			\$200,000	\$269,300				\$ 469,300
Total		\$ -	\$ 200,000	\$ 269,300	\$ 2,346,480	\$ -	\$ -	\$ 2,815,780

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

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6" & 8"

Year Built: 1967

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: No

Project Name: Upper Canada Ct/Outlook Sewer Rehab

Dept.: Collections

Project Number

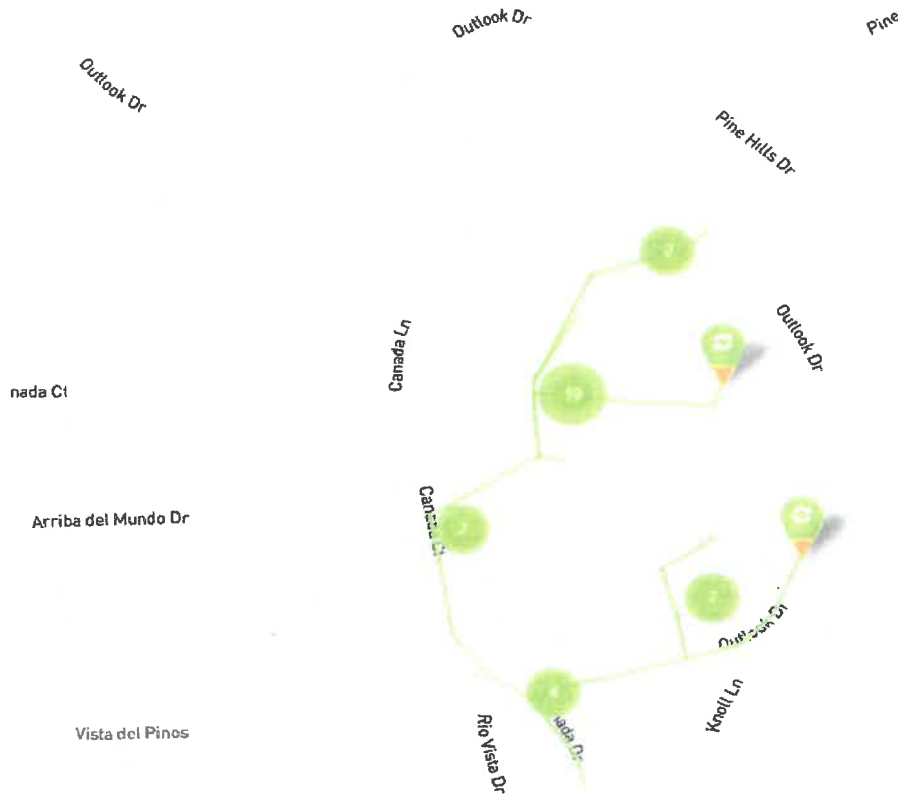
total Cap Projection: \$ 1,393,812.00

CY Budget

GL Account:

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	26-27	27-28	28-29	29-30	30-31	31-32	Total
Construction							\$ 1,161,510	\$ 1,161,510
Engineering						\$232,302		\$ 232,302
Other								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ 232,302	\$ 1,161,510	\$ 1,393,812

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

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1940

Asset Condition Rating: PACP Defect=4

Structural Index>4

Carry Forward: No

Project Name: Upper/Lower Trail Pipe Rehab

Dept.: Collections

Project Number

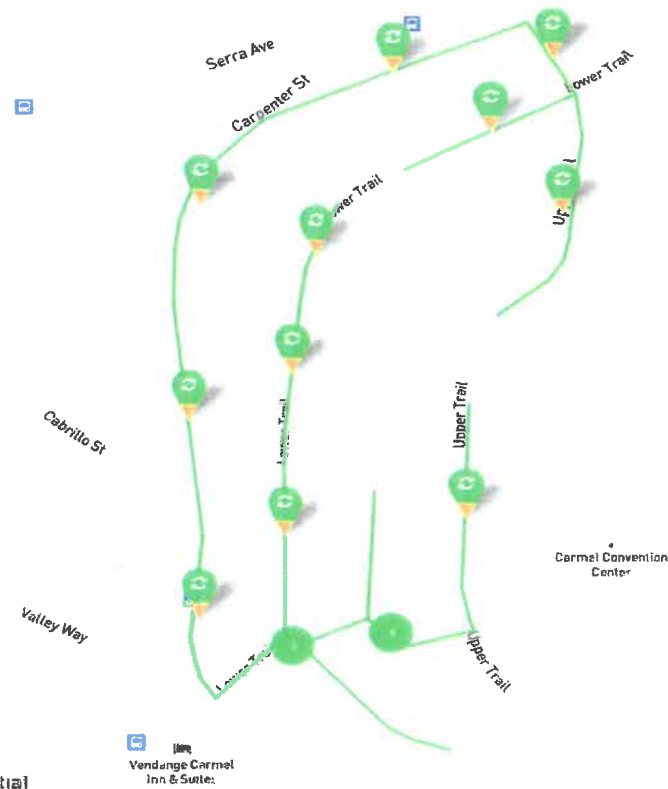
Total Cap Projection: \$ 1,471,464.00

CY Budget

GL Account:

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	26-27	27-28	28-29	29-30	30-31	31-32	32-33	Total
Construction						\$ 1,226,220	\$	1,226,220
Engineering					\$245,244		\$	245,244
Total	\$ -	\$ -	\$ -	\$ -	\$ 245,244	\$ 1,226,220	\$ -	\$ 1,471,464

22

FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6"

Year Built: 1922

Asset Condition Rating: PACP Defect=4

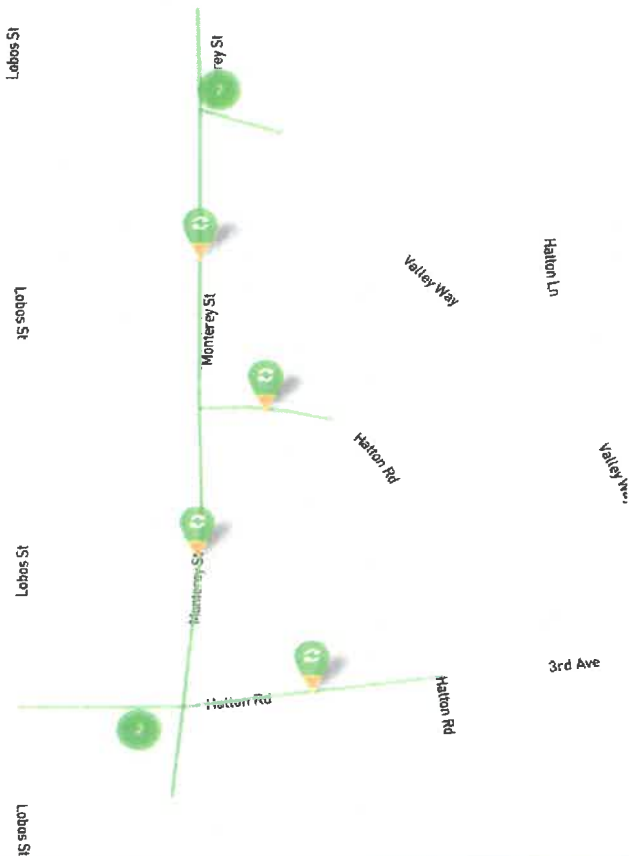
Structural Index>3

Carry Forward: Yes

Project Name: Monterey Street Sewer Replacement
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 746,640.00
 CY Budget
 GL Account:

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	27-28	28-29	29-30	30-31	31-32	32-33	Total
Construction					\$ 622,200	\$	622,200
Engineering				\$124,440		\$	124,440
Total	\$ -	\$ -	\$ -	\$ 124,440	\$ 622,200	\$ -	746,640

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

Contact: Lather
 Area Sewer Lines
 Asset Type: Pump Station

Project Name: Calle la Cruz Pump Station Relocation
 Dept.: Collections
 Project Number
 5 yr. Cap Projection: \$ 4,500,000.00
 CY Budget
 GL Account:

Pipe Material
 Pipe Diameter
 Year Built: 1953
 Asset Condition Rating: fair
 Carry Forward: Yes

Asset Description

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

Justification

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

Funding Source

Primary	Capital Reserves	Secondary						Total
Budget Impact/Other								
		27-28	28-29	29-30	30-31	31-32	32-33	Total
	Construction			\$ 3,000,000				\$ 3,000,000
	Engineering	\$ 200,000	\$ 200,000					\$ 400,000
	Environmental	\$ 200,000	\$ 150,000	\$ 150,000				\$ 500,000
	Construction Inspection			\$ 400,000				\$ 400,000
								\$ -
	Other		\$ 200,000					\$ 200,000
	Total	\$ 400,000	\$ 550,000	\$ 3,550,000	\$ -	\$ -	\$ -	\$ 4,500,000

Other=permits, easements, etc.

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

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1950

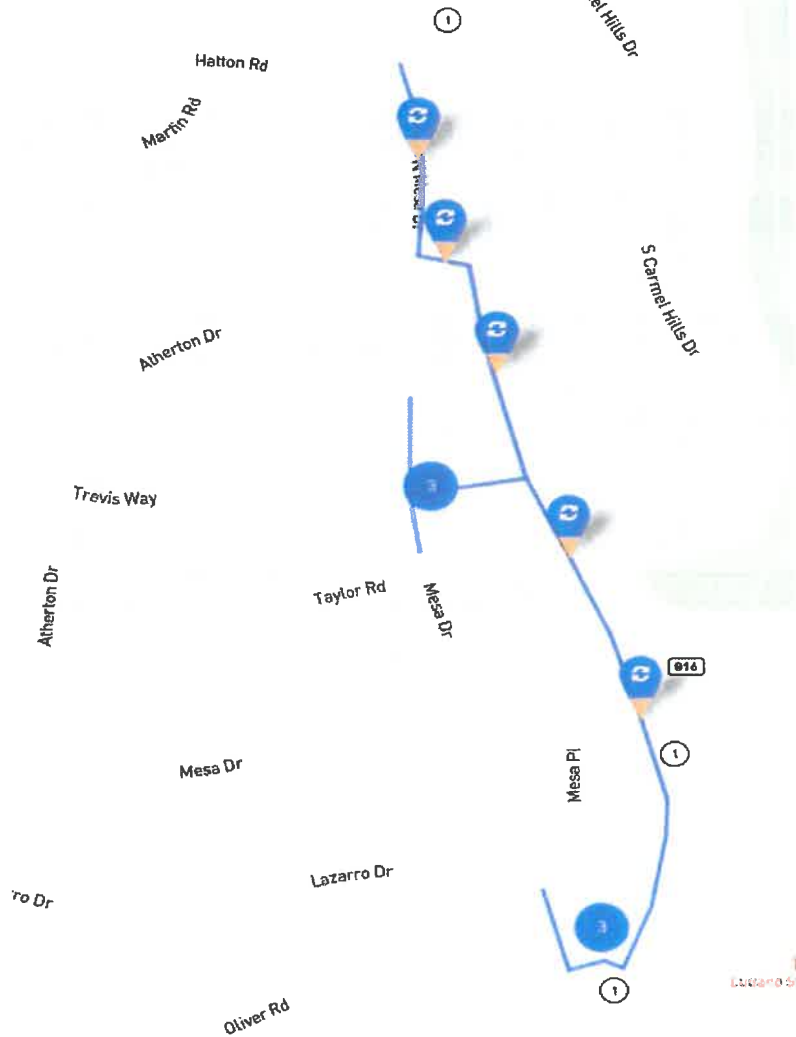
Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: Yes

Project Name: N Mesa Drive Sewer Replacement
Dept.: Collections
Project Number
Projection: \$1,246,860.00
CY Budget
L Account:

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



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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other		Prior Yr.	31-32	32-33	33-34	34-35	35-36	Unscheduled	Total
Construction				\$ 1,039,050				\$	1,039,050
Engineering			\$207,810					\$	207,810
Total			\$ 207,810	\$ 1,039,050	\$ -	\$ -	\$ -	\$ -	1,246,860

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

Contact: Lather

Area Pump Station

Asset Type: Collections Force

Pipe Material

Pipe Diameter

Year Built: 2004

Asset Condition Rating:

Carry Forward: No

Project Name: Highlands Inn Pump Station and Forced Main Rehab

Dept.: Collections

Project Number

Total Cap Projection: \$ -

CY Budget

GL Account:

Asset Description

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

Justification

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	29-30	30-31	31-32	32-33	33-34	Jnschedule	Total
Labor								\$ -
Engineering								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Contact: Lather
 Area Sewer Lines

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

Asset Type: Collections Gravity
 Pipe Material
 Pipe Diameter
 Year Built:
 Asset Condition Rating: Capital Improvement
 Carry Forward: No

Asset Description

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

Justification

Pump station age and condition estimated

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	29-30	30-31	31-32	32-33	33-34	Unscheduled	Total
Labor								\$ -
Engineering								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other					\$ 150,000	\$ 450,000		\$ 600,000
Total		\$ -	\$ -	\$ -	\$ 150,000	\$ 450,000	\$ -	\$ 600,000

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FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Lather

Project Name: Hatton Road Area Sewer Rehab
 Dept.: Collections

Area Sewer Lines
 Asset Type: Collections Gravity
 Pipe Material VCP
 Pipe Diameter 6 inch
 Year Built: 1942

Project Number
 Total Cap Projection: \$ 1,602,036
 CY Budget
 GL Account:

Asset Condition Rating: PACP Defect=4
 Structural Index>4
 Carry Forward: Yes

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



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

Funding Source

Primary	Capital Reserves	Secondary						
Budget Impact/Other								
	Prior Yr.	30-31	31-32	32-33	33-34	34-35	Inschedule	Total
Construction					\$ 1,335,030			\$ 1,335,030
Engineering				\$ 267,006				\$ 267,006
Total		\$ -	\$ -	\$ 267,006	\$ 1,335,030	\$ -	\$ -	\$ 1,602,036

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

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6"

Year Built: 1921

Asset Condition Rating: PACP Defect=4

Structural Index>4

Carry Forward: Yes

Project Name: Pico/Camino Del Monte/Santa Fe

Dept.: Collections

Project Number

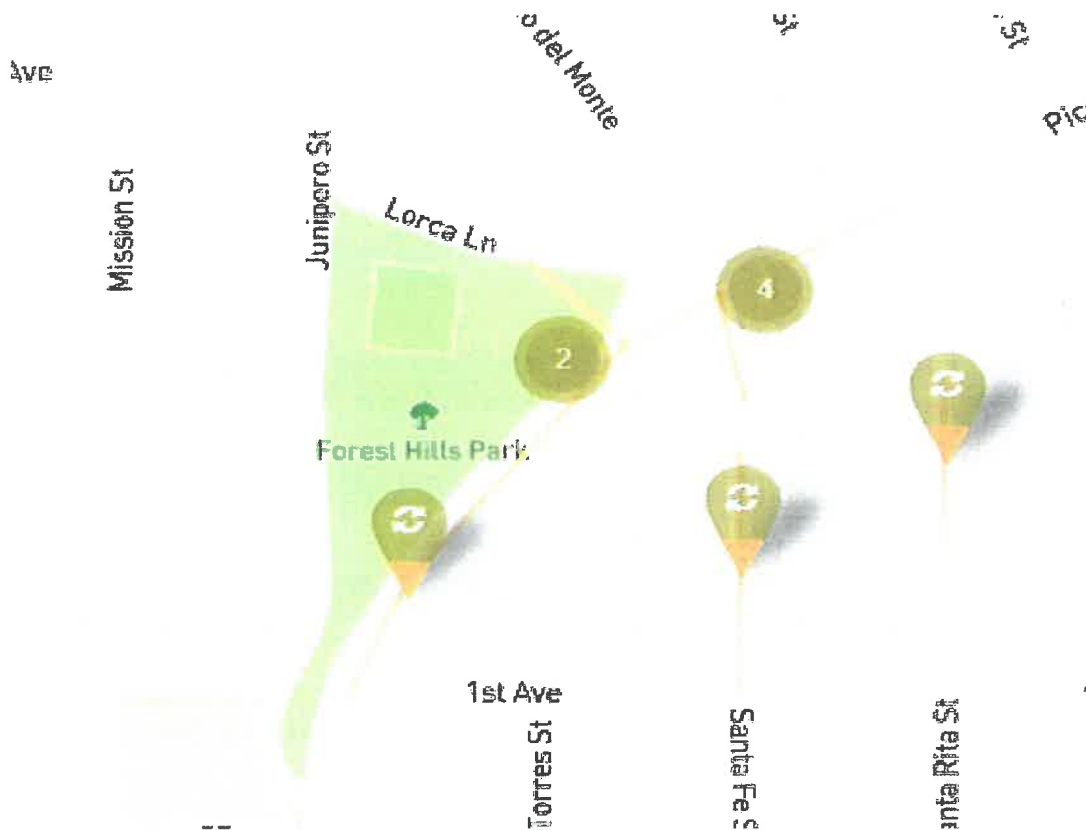
Capital Cap Projection: \$ 750,000.00

CY Budget

GL Account:

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	32-33	33-34	34-35	35-36	36-37	Inschedule:	Total
Construction				\$ 600,000				\$ 600,000
Engineering			\$ 150,000					\$ 150,000
Total	\$ -	\$ 150,000	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 750,000

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

Contact: Lather
 Area Sewer Lines
 Asset Type: Collections Gravity
 Pipe Material VCP
 Pipe Diameter 6 Inxh
 Year Built: 1966
 Asset Condition Rating: PACP Defect=4
 Structural Index>4
 Carry Forward: No

Project Name: Del Mesa Sewer Rehab #3
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 1,386,910.00
 CY Budget
 GL Account:

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



Justification

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

Funding Source

Primary	Capital Reserves	Secondary							
Budget Impact/Other	Prior Yr.	32-33	33-34	34-35	35-36	36-37	Unscheduled	Total	
Construction				\$ 1,136,910				\$ 1,136,910	
Engineering			\$ 250,000					\$ 250,000	
Total		\$ -	\$ 250,000	\$ 1,136,910	\$ -	\$ -	\$ -	\$ 1,386,910	

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

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1921

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: No

Project Name: San Carlos Sewer Replacement

Dept.: Collections

Project Number

Projection: \$ 581,000.00

CY Budget

GL Account:

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	32-33	33-34	34-35	35-36	36-37	Unscheduled	Total
Construction					\$ 456,000			\$ 456,000
Engineering				\$125,000				\$ 125,000
Other								\$ -
Total		\$ -	\$ -	\$ 125,000	\$ 456,000	\$ -	\$ -	\$ 581,000

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

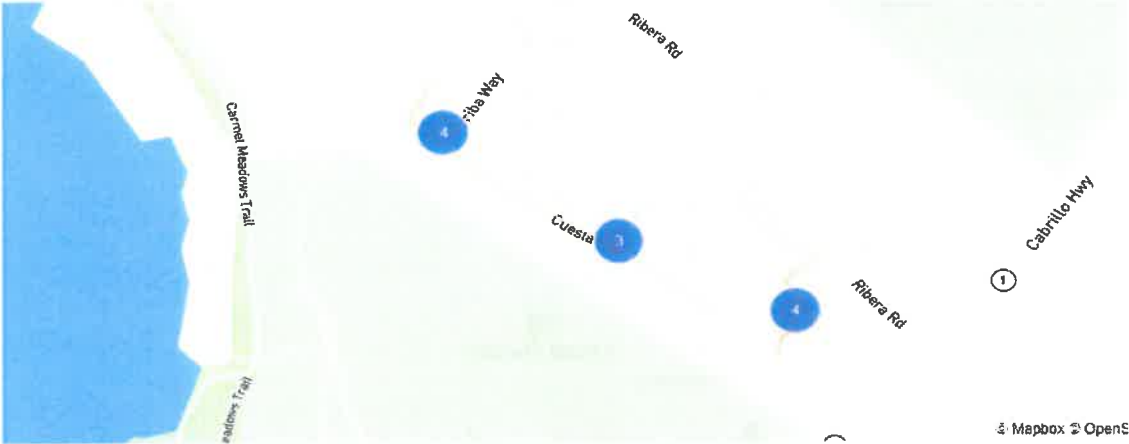
Contact: Lather

Project Name: Carmel Meadows/Cuesta Way Sewer Replacement
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 651,110.00
 CY Budget
 GL Account:

Area Sewer Lines
 Asset Type: Collections Gravity
 Pipe Material VCP
 Pipe Diameter 6 inch
 Year Built: 1962
 Asset Condition Rating: PACP Defect=4
 Structural Index>4
 Carry Forward: Yes

Asset Description

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



Justification

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

Funding Source

Primary **Capital Reserves** Secondary

Budget Impact/Other

	Prior Yr.	32-33	33-34	34-35	35-36	36-37	Unscheduled	Total
Construction					\$ 526,110			\$ 526,110
Engineering				\$125,000				\$ 125,000
Total	\$ -	\$ -	\$ 125,000	\$ 526,110	\$ -	\$ -	\$ -	\$ 651,110

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FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Lather

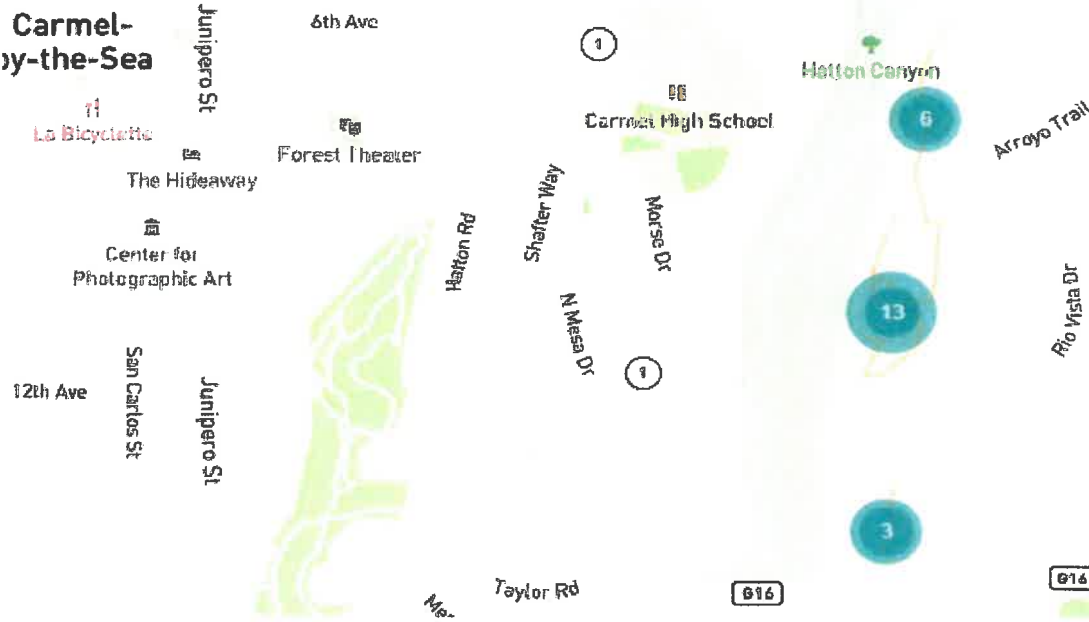
Project Name: Upper Carmel Knolls Area Sewer Rehab
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 1,985,596.00
 CY Budget
 GL Account:

Area Sewer Lines
 Asset Type: Collections Gravity
 Pipe Material VCP
 Pipe Diameter 6 inch
 Year Built: 1959
 Asset Condition Rating: PACP Defect=
 Overall Structural>4
 Carry Forward: Yes

Asset Description

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

Carmel-by-the-Sea



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	32-33	33-34	34-35	35-36	36-37	37-38	Total
Construction					\$ 1,685,596			\$ 1,685,596
Engineering				\$ 300,000				\$ 300,000
Total		\$ -	\$ -	\$ 300,000	\$ 1,685,596	\$ -	\$ -	\$ 1,985,596

FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1921

Asset Condition Rating: PACP Defect>4

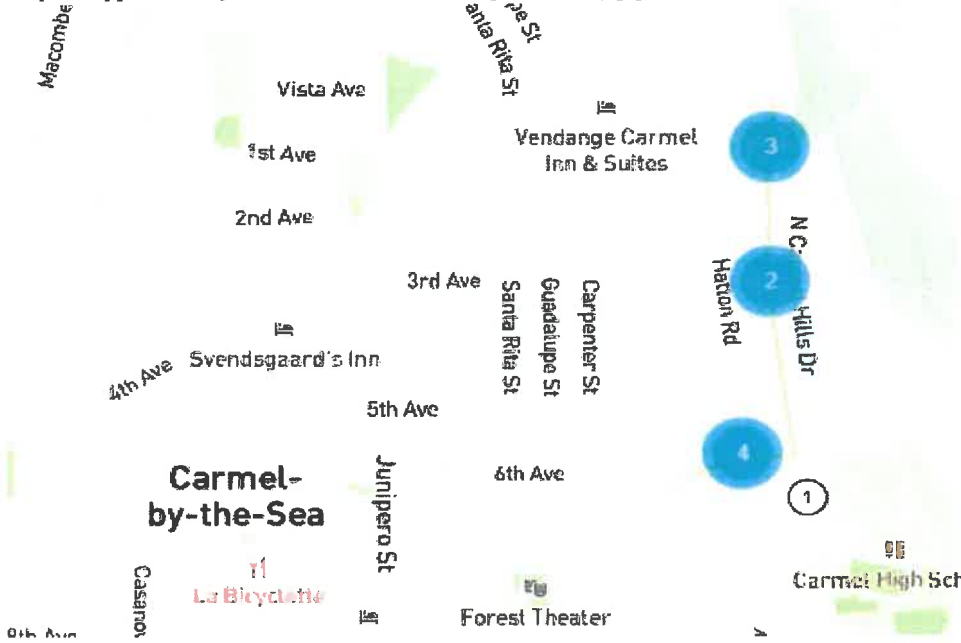
Structural Index>3

Carry Forward: Yes

Project Name: Cabrillo Hwy/Ocean Avenue Sewer Replacement
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 1,200,000.00
 CY Budget
 GL Account:

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	32-33	33-34	35.36	36-37	Unscheduled	Total
Construction					\$ 1,000,000		\$ 1,000,000
Engineering				\$200,000			\$ 200,000
Total		\$ -	\$ -	\$ 200,000	\$ 1,000,000	\$ -	\$ 1,200,000

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

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1959

Asset Condition Rating: PACP Defect>4

Structural Index>3

Carry Forward: Yes

Project Name: Lower Carmel Knolls Sewer Replacement

Dept.: Collections

Project Number

Projection: \$ 1,150,000.00

CY Budget

PL Account:

Asset Description

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



Justification

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	32-33	33-34	34-35	35-36	36-37	Unscheduled	Total
Construction						\$ 1,000,000		\$ 1,000,000
Engineering					\$ 200,000			\$ 200,000
Total		\$ -	\$ -	\$ -	\$ 200,000	\$ 1,000,000	\$ -	\$ 1,200,000

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

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1976

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: Yes

Project Name: Arroyo Carmel Sewer Rehab
Dept.: Collections
Project Number
Total Cap Projection: \$1,027,000.00
CY Budget
GL Account:

Asset Description



Justification

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	32-33	33-34	34-35	35-36	36-37	37-38	Total
Construction						\$ 777,000	\$ 777,000
Engineering					\$ 250,000		\$ 250,000
Other							\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 777,000	\$ 1,027,000

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FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Lather
 Area Sewer Lines
 Asset Type: Collections Gravity
 Pipe Material VCP
 Pipe Diameter 6 inch
 Year Built: 1950
 Asset Condition Rating: PACP Defect=4
 Structural Index>3
 Carry Forward: Yes

Project Name: Doolittle Trail Sewer Replacement
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 2,573,460
 CY Budget
 GL Account:

Asset Description



Justification

Funding Source

Primary	Capital Reserves	Secondary						Total
Budget Impact/Other		33-34	34-35	35-36	36-37	37-38	38-39	Total
	Construction					\$ 1,223,460	\$	1,223,460
	Engineering				\$ 250,000	\$ 100,000	\$	350,000
	Environmental				\$ 300,000	\$ 400,000	\$	700,000
	Construction Management					\$ 300,000	\$	300,000
	Total	\$ -	\$ -	\$ -	\$ 550,000	\$ 2,023,460	\$ -	\$ 2,573,460

Capital Budget
Treatment & Disposal
Capital Purchases

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

Contact: Waggoner
Area: Lab
Asset Type: Support Equipment
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: Ion Chromatograph
Dept: Reclamation
Total Cost: \$ 57,000
CY Budget \$ 57,000
GL Account:

Asset Description

The Ion Chromatograph (IC) system is a multi-use equipment used for the Pebble Beach Reclamation samples and CAWD MF/RO and Tertiary water. The IC analyzes the Cation and Anion ions and Iron and Manganese in the water samples collected. The IC is used weekly for MF/RO Blend and Reclaim Line samples and on a monthly schedule PBCSD collects water samples at the golf courses and well samples. The data is used by the PBCSD and golf course superintendents for irrigation. The replacement item requested is for the Cation and Iron and Manganese analysis.

The current computer is on Win7 which must be upgraded.

Year Built: 2009
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: Rehab unlikely

Justification

The Dionex IC unit is no longer serviceable by manufacture service technicians and parts are limited to what is available no new parts are being made. The unit has been placed on the obsolescence list by the manufacture since 2018. The purchase is for the Cation and T-metal analysis. The anion analysis will be run on a different instrument already being used. CAWD's 10% is for permit analysis of the following weekly parameters, Chloride, Sulfate, Nitrate-N and Fluoride. Staff also does analysis on the influent flow as well of the same parameters.

Asset Risk Management Strategy

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

Funding Source

Primary CAWD 10% Secondary Reclamation 90%

Budget Impact/Other

	Prior Yr	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies		\$ 52,000					\$	52,000
Chemicals							\$	-
Utility							\$	-
Other		\$ 5,000					\$	5,000
Total		\$ 57,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57,000

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

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

Project Name: Laboratory Autoclave
Dept: Treatment
Total Cost: \$ 16,000
CY Budget \$ -
GL Account:

Asset Description

The autoclave is used for sterilizing bacteriological media used for microbiological analysis of the final effluent, tertiary effluent and ocean receiving samples if needed. The unit is also used to sterilize used positive tests material to be able to discard to the trash or dispose in the drain.

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

Justification

Lab staff has been able to keep autoclave operational by changing gaskets so that the unit can maintain the correct sterilization temperature and pounds per square inch (psi). The unit has corrosion building along the base and may not be repairable.

Asset Risk Management Strategy

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

Funding Source

Primary CAWD 50% Secondary Reclamation 50%

Budget Impact/Other

	Prior Yr	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies			\$ 16,000				\$	16,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ 16,000	\$ -	\$ -	\$ -	\$ -	\$ 16,000

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

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

Project Name: Dewatering Building Poly Blend unit M60-P1AA (Unit 1)
Dept: Treatment
Total Cost: \$ 28,000
CY Budget \$ -
GL Account:

Asset Description

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

Year Built: 2016
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: 5 years
Asset Condition Rating: Good

Justification

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

Asset Risk Management Strategy

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

Funding Source

	Primary	CAWD 100%		Secondary	Capital Budget			
Budget Impact/Other	Prior Yr	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor					\$ 2,000			\$ 2,000
Engineering								\$ -
Parts & Supplies					\$ 24,000			\$ 24,000
Chemicals								\$ -
Utility								\$ -
Other					\$ 2,000			\$ 2,000
Total		\$ -	\$ -	\$ -	\$ 28,000	\$ -	\$ -	\$ 28,000

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

Project Name: Dewatering Building Poly Blend unit M60-P1AA (Unit 2)
Dept: Treatment
Total Cost: \$ 28,000
CY Budget \$ -
GL Account:

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

Asset Description

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

Year Built: 2016

Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: 5 years
Asset Condition Rating: Good

Justification

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

Asset Risk Management Strategy

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

Funding Source

	Primary	CAWD 100%		Secondary	Capital Budget			
Budget Impact/Other	Prior Yr	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor						\$ 2,000	\$	2,000
Engineering							\$	-
Parts & Supplies						\$ 24,000	\$	24,000
Chemicals							\$	-
Utility							\$	-
Other						\$ 2,000	\$	2,000
Total		\$ -	\$ -	\$ -	\$ -	\$ 28,000	\$ -	\$ 28,000

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

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

Project Name: Laboratory Dishwashers (2) (75% CAWD/25% Reclamation)
Dept: Treatment
Total Cost: \$ 28,000
CY Budget \$ -
GL Account:

Asset Description

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

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

Justification

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

Asset Risk Management Strategy

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

Funding Source

Primary CAWD 50% Secondary Reclamation 50%

Budget Impact/Other

	Prior Yr	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor					\$ 2,000			\$ 2,000
Engineering								\$ -
Parts & Supplies					\$ 24,000			\$ 24,000
Chemicals								\$ -
Utility								\$ -
Other					\$ 2,000			\$ 2,000
Total		\$ -	\$ -	\$ -	\$ 28,000	\$ -	\$ -	\$ 28,000

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

1 FY 2022-23 Budget
Carmel Area Wastewater District

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

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

Asset Description

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

Year Built: 2014
Rehabilitation Date: N/A
Rehab Life Extension: N/A
Asset Condition Rating: N/A

Justification

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

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary Reclamation 50%

Budget Impact/Other

	Prior Yr	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies						\$	36,000	36,000
Chemicals							\$	-
Utility							\$	-
Other						\$	2,790	2,790
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,790	\$ 38,790

**Capital Budget
Treatment & Disposal
Long Term Capital Plan**

CARMEL AREA WASTEWATER DISTRICT TREATMENT PLANT
LONG TERM CAPITAL PROJECTS - FY 2022/23 - 2036/37

Item #	Project Number	PROJECT	Estimated Prior Spent Thru 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	35/36	36/37	Unscheduled	Total	
WWTP - Elec/Mech Rehab & Sludge Holding Tank Replacement Project																					
1	18-01	WWTP Elec/Mech Rehab & Sludge Holding Tank Replace Design (2.7% Reclamation)	\$899,695																	\$0	
1	18-01	WWTP Elec/Mech Rehab & Sludge Holding Tank Replace Project Construction (2.7% Reclamation)	\$3,845,750	\$4,045,750																\$4,045,750	
1	18-01	WWTP Elec/Mech Rehab & Sludge Holding Tank Project SCADA Programming	\$75,000	\$100,000																\$100,000	
1	18-01	WWTP Elec/Mech Rehab & Sludge Holding Const Mgmt and ESDC (2.7% Reclamation)	\$625,000	\$625,000																\$625,000	
1	18-01	WWTP Elec/Mech Rehab & Sludge Holding Project O&M Manual (2.7% Reclamation)		\$50,000																\$50,000	
PLANNED PROJECTS																					
2	19-21	Carmel River FREE Mitigation Project (Funded by Grants/County, See Below)*	\$0	\$0	\$0	\$0														\$0	
3	22-03	Main Potable Water and Gas Main Replacement (5.5% Collections)		\$100,000	\$200,000															\$300,000	
4	19-18	Perimeter Fencing		\$275,000																\$275,000	
5		Fish Passage on CAWD Sewer Crossing on the Carmel River		\$30,000																\$30,000	
6		Vector Truck Unloading Station (100% Collections)		\$100,000	\$250,000															\$350,000	
7	18-28	WWTP Perimeter Tree Planting	\$5,020	\$75,000	\$50,000															\$175,000	
8		Plant Landscaping			\$150,000									\$25,000						\$175,000	
9		Lunch Room MCC Replace with Panelboard (Collection 6%)			\$140,000															\$140,000	
10		Outfall Cathodic Protection Anode Bed and Rectifier Replacement			\$30,000	\$100,000														\$130,000	
11	22-04	Plant Bridge Retrofit Project			\$150,000	\$150,000	\$200,000	\$800,000												\$1,300,000	
12		Plant Paving and Vault Lids			\$50,000															\$250,000	
13		Digester No. 1 - Rehabilitation				\$150,000	\$760,000													\$910,000	
14		Staff Office Trailer Replacements				\$50,000	\$250,000													\$300,000	
15		Replace Older Turbex Blower						\$530,000												\$530,000	
16		Influent Pump Station Wet Well Repairs						\$150,000												\$150,000	
17		Operations Building HVAC and Plumbing Systems Repairs						\$155,000												\$155,000	
18		Roofing Repairs						\$200,000												\$200,000	
19		Septage Waste Receiving Station						\$150,000	\$850,000											\$1,000,000	
20		Lagoon Crossing Rehabilitation							\$500,000											\$500,000	
21		Ocean Outfall Rehabilitation									\$1,000,000									\$1,000,000	
22		Next Generation PLC/SCADA Upgrades Phase I													\$1,000,000					\$1,000,000	
23		Sea Level Rise Flood Mitigation																	Unknown	Unknown	
PROCESS AREA REHABILITATION AND MAINTENANCE PROJECTS																					
24		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	
25		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	
26		E/O/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	
27		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	
28		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																					
	19-01	Critical Process Minor Onsite Flood Adaptations (30% Reclamation)	\$21,788																	\$0	
	18-11	Microturbine Integration Project	\$55,114																	\$0	
	21-03	Cathodic Protection Testing and Maintenance	\$6,936																	\$0	
		Chlorine Contact Channel Pine Gallery Pipe Coating (Completed under Plant Maintenance)	\$0																	\$0	
		TREATMENT & DISPOSAL TOTAL	\$5,534,303	\$5,400,750	\$1,020,000	\$650,000	\$1,210,000	\$1,985,000	\$1,940,000	\$590,000	\$1,590,000	\$590,000	\$590,000	\$615,000	\$1,590,000	\$590,000	\$590,000	\$590,000	\$0	\$19,540,750	
-		ESTIMATED RECLAMATION SHARE	\$145,002	\$126,110	\$0	\$0	\$0	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$726,110	
-		ESTIMATED PBCSD SHARE (1)	\$1,794,637	\$1,721,324	\$249,950	\$216,450	\$402,930	\$661,005	\$626,040	\$176,490	\$509,490	\$176,490	\$176,490	\$184,815	\$509,490	\$176,490	\$176,490	\$176,490	\$176,490	\$0	\$6,265,275
		ESTIMATED CAWD COST	\$3,594,664	\$3,553,316	\$770,050	\$433,550	\$807,070	\$1,323,995	\$1,253,960	\$353,510	\$1,020,510	\$353,510	\$353,510	\$370,185	\$1,020,510	\$353,510	\$353,510	\$353,510	\$0	\$12,549,365	
		*ANTICIPATED GRANT/COUNTY FUNDING	\$750,000	\$3,500,000	\$3,500,000															\$7,000,000	
(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)																					
29		Coastal Hazards Monitoring Plan	\$0	\$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	\$75,000	\$75,000	\$1,125,000	
30		Coastal Hazards Response Plan	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$1,500,000	
31		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	\$125,000	\$1,875,000	
		TOTAL TECHNICAL STUDIES	\$0	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$0	\$4,500,000	

1 FY 2022-23 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: \$ 4,820,750
 CY Budget \$ 4,820,750

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 Secondary
 2.7% Reclamation

Budget Impact/Other

	Estimated Cumulative		22-23	23-24	24-25	25-26	26-27	Total
	Thru FY21-22							
Labor	\$ 1,922,875	\$	2,022,875					\$ 2,022,875
Engineering	\$ 1,524,695	\$	625,000					\$ 625,000
Parts & Supplies	\$ 1,922,875	\$	2,022,875					\$ 2,022,875
Chemicals								\$ -
Utility								\$ -
Other	\$ 75,000	\$	150,000					\$ 150,000
								\$ -
Total	\$ 5,445,445	\$	4,820,750	\$ -	\$ -	\$ -	\$ -	\$ 4,820,750

2 FY 2022-23 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: \$0* *Note that cost of project is estimated at approximately \$7 Million.
CY Budget \$0* Project is being financed thru grant funds provided by County of Monterey.

Project Description

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

Year Built: Various

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

Rehab Life Extension: N/A

Asset Condition Rating: N/A

Justification

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

Risk Management Strategy

Capital Improvement Strategy: CEQA Mitigation

Maintenance Strategy:

Non Asset Strategy:

Funding Source

Primary Monterey County - FEMA/OES Grant Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor	\$0	\$0	\$0	\$0		\$	-
Engineering	\$0	\$0	\$0	\$0		\$	-
Parts & Supplies	\$0	\$0	\$0	\$0		\$	-
Chemicals	\$0	\$0	\$0	\$0		\$	-
Utility	\$0	\$0	\$0	\$0		\$	-
Other	\$0	\$0	\$0	\$0		\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

3 FY 2022-23 Budget
Carmel Area Wastewater District

Project Name: Main Potable Water and Gas Main Replacement (5.5% Collections)
Dept.: Treatment

5 yr. Cap Projection: \$ 300,000
 CY Budget \$ 100,000

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

Project Description

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

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

Justification

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

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total							
Labor		\$	100,000			\$	100,000							
Engineering & Environmental	\$	100,000	\$	30,000		\$	130,000							
Parts & Supplies		\$	70,000			\$	70,000							
Chemicals						\$	-							
Utility						\$	-							
Other						\$	-							
Total	\$	-	\$	100,000	\$	200,000	\$	-	\$	-	\$	-	\$	300,000

4 FY 2022-23 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: \$ 275,000
 CY Budget \$ 275,000

Project Description

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

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

Justification

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

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor	\$	50,000				\$	50,000
Engineering & Environmental	\$	75,000				\$	75,000
Parts & Supplies	\$ 3,000	\$ 150,000				\$	150,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ 3,000	\$ 275,000	\$ -	\$ -	\$ -	\$ -	\$ 275,000

5 FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area River Crossing

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

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

5 yr. Cap Projection: \$ 30,000
 CY Budget \$ 30,000

Project Description

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

Year Built: n/a
 Rehabilitation Date (Extending life of Asset): n/a
 Rehab Life Extension: 30
 Asset Condition Rating: 1 New or Excellent Condition

Justification

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

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor		\$5,000				\$	5,000
Engineering						\$	-
Parts & Supplies		\$25,000				\$	25,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total		\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000

6 FY 2022-23 Budget
Carmel Area Wastewater District

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

Project Name: **Vector Truck Unloading Station (100% Collections)**
 Dept.: Treatment
 5 yr. Cap Projection: \$ 350,000
 CY Budget \$ 100,000

Project Description

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

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

Justification

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

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor			\$ 125,000			\$ 125,000	\$ 125,000
Engineering		\$100,000				\$ 100,000	\$ 100,000
Parts & Supplies			\$ 125,000			\$ 125,000	\$ 125,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ 100,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 350,000

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FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Treanor

Area

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 Name: **WWTP Perimeter Tree Planting**

Dept.: Treatment

5 yr. Cap Projection: \$ 125,000

CY Budget \$ 75,000

Project Description

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

Year Built: 1970s

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

Rehab Life Extension: N/A

Asset Condition Rating: N/A

Justification

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

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy:

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor	\$ 25,000	\$ 25,000				\$	50,000
Engineering	\$ 15,000					\$	15,000
Parts & Supplies	\$ 35,000	\$ 25,000				\$	60,000
Chemicals						\$	-
Utility						\$	-
Other	\$5,020					\$	-
Total	\$ 5,020	\$ 75,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 125,000

8 **FY 2022-23 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: \$ 150,000
 CY Budget \$ -

Project Description

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

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

Justification

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

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor		\$	100,000			\$	100,000
Engineering						\$	-
Parts & Supplies		\$	50,000			\$	50,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000

9 FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Misc. Structures

Project Name: **Lunch Room MCC Replace with Panelboard (Collection 6%)**
 Dept.: Treatment

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

5 yr. Cap Projection: \$ 140,000
 CY Budget \$ -

Project Description

The Lunch Room MCC is an equipment remnant from when the lunch room was used as the chlorination building and also as a lab. This building no longer requires 480V power. This project would replace the existing 480V MCC in the lunch room with a 120V panelboard that would be 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 was installed in the 1950s and is well past its useful life. Furthermore, a 480V MCC is 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

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	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

10 FY 2022-23 Budget
 Carmel Area Wastewater District

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

Project Name: **Outfall Cathodic Protection Anode Bed and Rectifier Replacement**

Dept.: Treatment

5 yr. Cap Projection: \$ 130,000
 CY Budget \$ -

Project Description

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

Year Built: 1970s, 1980s, 1990s

Rehabilitation Date (Extending life of Asset):

Rehab Life Extension:

Asset Condition Rating: Unknown

Justification

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

Risk Management Strategy

Capital Improvement Strategy:

Maintenance Strategy: Preventative Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor				\$ 20,000		\$	20,000
Engineering		\$ 30,000	\$	50,000	\$	-	\$ 80,000
Parts & Supplies			\$	30,000		\$	30,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ 30,000	\$ 100,000	\$ -	\$ -	\$ 130,000

11 FY 2022-23 Budget
Carmel Area Wastewater District

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

Project Name: **Plant Bridge Retrofit Project**
Dept.: Treatment

5 yr. Cap Projection: \$ 1,300,000
CY Budget \$ -

Project Description

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

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

Justification

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

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor					\$ 350,000	\$ -	-
Engineering			\$150,000	\$150,000	\$ 200,000	\$ 100,000	\$ 500,000
Parts & Supplies					\$ 350,000	\$ -	-
Chemicals						\$ -	-
Utility						\$ -	-
Other						\$ -	-
Total	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ 200,000	\$ 800,000	\$ 1,300,000

12 FY 2022-23 Budget
 Carmel Area Wastewater District

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

Project Name: **Plant Paving and Vault Lids**
 Dept.: Treatment
 5 yr. Cap Projection: \$ 250,000
 CY Budget \$ -

Project Description

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

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

Justification

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

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor				\$ 100,000			\$ 100,000
Engineering			\$50,000				\$ 50,000
Parts & Supplies				\$ 100,000			\$ 100,000
Chemicals							\$ -
Utility							\$ -
Other							\$ -
Total	\$ -	\$ -	\$ 50,000	\$ 200,000	\$ -	\$ -	\$ 250,000

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

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

Project Name: **Digester No. 1 - Rehabilitation**

Dept.: Treatment

5 yr. Cap Projection: \$ 910,000

CY Budget \$ -

Project Description

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

Year Built: 1972

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

Rehab Life Extension: N/A

Asset Condition Rating: 7 Significant Deterioration

Justification

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

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy: Corrective Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor					\$ 250,000		\$ 250,000
Engineering			\$ 150,000	\$ 100,000			\$ 250,000
Parts & Supplies				\$ 410,000			\$ 410,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ 150,000	\$ 760,000	\$ -	\$ 910,000

14 FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Misc. Structures

Project Name: **Staff Office Trailer Replacements**

Dept.: Treatment

5 yr. Cap Projection: \$ 300,000

CY Budget \$ -

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 Description

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

Year Purchased: 1999, 2009, 2013, 2019

Note: the trailers were not purchased as "New"

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

Rehab Life Extension: N/A

Asset Condition Rating: 5 Moderate Deterioration

Justification

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

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy: Corrective Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor				\$	100,000	\$	100,000
Engineering				\$50,000	\$	50,000	\$ 100,000
Parts & Supplies				\$	100,000	\$	100,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ -	\$ 50,000	\$ 250,000	\$ -	\$ 300,000

15 **FY 2022-23 Budget**
 Camel 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 meet equipment redundancy requirements for the aeration process. The new turblex blower was installed in 2017 and serves as the lead/duty blower. The old turblex blower installed in 1997 had previously served as the lead/duty blower reliably for 20 years prior to the new blower being installed in 2017. Improvement of reliability is being planned prior to the new blower reaching 10 years in operating service. If it is determined that energy savings could benefit the District during low flow periods, a smaller blower may be proposed.

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor					\$	100,000	\$ 100,000
Engineering						\$	-
Parts & Supplies					\$	430,000	\$ 430,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 530,000	\$ 530,000

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

Contact: Treanor
 Area Influent Building

Project Name: **Influent Pump Station Wet Well Repairs**
 Dept.: Treatment

Asset Type: Structure
 Avg Useful Life: Over 50 years
 Est Residual Life: 30 years
 % Consumed Life: 40%

5 yr. Cap Projection: \$ 150,000
 CY Budget \$ -

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

Risk Management Strategy

Capital Improvement Strategy:

Maintenance Strategy: Preventative Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

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

17 **FY 2022-23 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: \$ 155,000

CY Budget \$ -

Project Description

The Operations Building contains computer workstations for operators, a conference room that is used frequently for plant meetings, the main computer and SCADA servers for the treatment plant, and the main electrical switchgear. The HVAC system will need to be replaced for this building including heating and air conditioning to maintain equipment to provide good air quality.

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

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor					\$	50,000	\$ 50,000
Engineering					\$	15,000	\$ 15,000
Parts & Supplies					\$	90,000	\$ 90,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155,000	\$ 155,000

18 **FY 2022-23 Budget**
 Camel 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
 5 yr. Cap Projection: \$ 200,000
 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

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor					\$	100,000	\$ 100,000
Engineering						\$	-
Parts & Supplies					\$	100,000	\$ 100,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000

19 FY 2022-23 Budget
Carmel Area Wastewater District

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

Project Name: **Septage Waste Receiving Station**

Dept.: Treatment

5 yr. Cap Projection: \$ 150,000

CY Budget \$ -

Project Description

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

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

Justification

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

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

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

20 **FY 2022-23 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

	26-27	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

21 FY 2022-23 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

5 yr. Cap Projection: \$ -

CY Budget \$ -

Project Description

The outfall pipeline in the ocean was installed in the 1970s and has experienced a break only one time - in 2007. That break in the pipeline cost \$647,504 to repair. The cause of the break remains unknown. Repair to the WWTP outfall in the event annual inspections reveal a defect or emergency repair as a result of storm damage. 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

22 **FY 2022-23 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 \$	350,000	\$ 350,000
Engineering \$	200,000	\$ 200,000
Parts & Supplies \$	450,000	\$ 450,000
Chemicals	\$	-
Utility	\$	-
Other	\$	-
	\$	-
Total	\$ 1,000,000	\$ 1,000,000

23 FY 2022-23 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

5 yr. Cap Projection: \$ -

CY Budget \$ -

Project Description

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

Year Built: 1970s - 2010s

Rehabilitation Date (Extending life of Asset):

Rehab Life Extension: N/A

Asset Condition Rating:

Justification

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

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy: Predictive & Preventative Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

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

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					Total
Budget Impact/Other		27-28	28-29	29-30	30-31	31-32	
Labor	\$45,000	\$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	\$45,000	\$ 225,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
						\$	-
Total	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 450,000

25 **FY 2022-23 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

	27-28	28-29	29-30	30-31	31-32	Total
Labor	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$ 250,000
Engineering					\$	-
Parts & Supplies	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$ 250,000
Chemicals					\$	-
Utility					\$	-
Other					\$	-
Total	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

26 FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Various

Project Name: **EQ/Blowers/Aeration/Secondary Rehab and Maintenance Projects (Partial Reclamation)**
 Dept.: Treatment
 5 yr. Cap Projection: \$ -
 CY Budget \$ -

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

Project Description

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

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

Justification

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

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

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	27-28	28-29	29-30	30-31	31-32	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

27 FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Various
 Asset Type: Various

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

Avg Useful Life: Various
 Est Residual Life: Various
 % Consumed Life: Various

Dept.: Treatment

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

Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Project Description

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

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

Justification

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

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

Risk Management Strategy

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

Funding Source

Primary	Capital Budget	Secondary					
Budget Impact/Other							
		27-28	28-29	29-30	30-31	31-32	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

28 **FY 2022-23 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

	27-28	28-29	29-30	30-31	31-32	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

29 **FY 2022-23 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

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor						\$	-
Engineering		\$75,000	\$75,000	\$75,000	\$75,000	\$	375,000
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000

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

Contact: Treanor
 Area WWTP

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

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 Description

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

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

Justification

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

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor						\$ -	-
Engineering		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$ 500,000
Parts & Supplies						\$ -	-
Chemicals						\$ -	-
Utility						\$ -	-
Other						\$ -	-
Total	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

31 FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area WWTP

Project Name: **Miscellaneous Technical Studies**
 Dept.: Treatment

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

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

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor						\$	-
Engineering		\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$ 625,000
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 625,000

**Capital Budget
Administration Dept.**

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

Contact: Barringer
Area Administration

Project Name: Codification Project
Dept.: Administration
5 yr. Cap Projection: \$ 25,000.00
CY Budget \$ 25,000.00
GL Account:

Asset Type: N/A
Avg Useful Life: 50 years
Est Residual Life: 50 yrs
% Consumed Life: 0%
Category: Administration
Urgency: 3 = Important
Carry Forward: No

Asset Description

Currently the majority of District administrative policies are held in individual Resolutions and Ordinances. There is no consolidated "Administrative Code" manual. In 2021-22 the first phase of this project was initiated. Anticipated conclusion in 2022-23.

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

Justification

This project will consolidate all District policies into one document or Administrative Code. It will make it easier and clearer for staff, any outside agency, or member of the public to examine District policies in one location.

Asset Risk Management Strategy

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

Funding Source

Primary	Capital Reserves	Secondary							Total
Budget Impact/Other	Prior Yr.	22-23	23-24	24-25	25-26	26-27	27-28		
Labor								\$ -	
Engineering								\$ -	
Parts & Supplies								\$ -	
Chemicals								\$ -	
Utility								\$ -	
Other	\$25,000	\$ 25,000						\$ 25,000	
Total		\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	

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

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

Project Name: Admin Roof
Dept.: Administration
5 yr. Cap Projection: \$ 70,000.00
CY Budget \$ -
GL Account:

Asset Description

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

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

Justification

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

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other							\$ 70,000	\$ 70,000
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ 70,000

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

Contact: Lather
Area Administration

Project Name: Front Porch Settling - repair
Dept.: Administration
5 yr. Cap Projection: \$ 35,000.00
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 porch.

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

Justification

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

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other							\$ 35,000	\$ 35,000
Total		\$	- \$	- \$	- \$	- \$	- \$ 35,000	\$ 35,000

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

Contact: Lather

Area Administration

Asset Type: N/A

Avg Useful Life: 20 years

Est Residual Life: 0 yrs

% Consumed Life: 100%

Category: Maintenance

Urgency: 3 = Important

Carry Forward: No

Project Name: Replace Administrative Office Carpeting
 Dept.: Administration
 5 yr. Cap Projection: \$ 27,000.00
 CY Budget \$ -
 GL Account:

Asset Description

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

Year Built: 1990

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

Rehab Life Extension: N/A

Asset Condition Rating: 4

Justification

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

Asset Risk Management Strategy

Capital Improvement Risk:

Maintenance Risk Management: Predictive & Preventative Maintenance

Non Asset Risk Management:

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

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

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

Contact: Lather

Area Administration

Asset Type: N/A

Avg Useful Life: 10 years

Est Residual Life: 0 yrs

% Consumed Life: 100%

Category: Maintenance

Urgency: 3 = Important

Carry Forward: No

Project Name: Interior Painting
Dept.: Administration
5 yr. Cap Projection: \$ 25,000.00
CY Budget \$ -
GL Account:

Asset Description

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

Year Built: 1990

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

Rehab Life Extension: N/A

Asset Condition Rating: 4

Justification

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

Asset Risk Management Strategy

Capital Improvement Risk:

Maintenance Risk Management: Predictive & Preventative Maintenance

Non Asset Risk Management:

Funding Source

Budget Impact/Other	Primary		Secondary					Unscheduled	Total
	Prior Yr.	22-23	23-24	24-25	25-26	26-27			
Labor								\$ -	
Engineering								\$ -	
Parts & Supplies								\$ -	
Chemicals								\$ -	
Utility								\$ -	
Other							\$ 25,000	\$ 25,000	
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000	

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

Project Name: Update bathrooms - new tile & paint
 Dept.: Administration
 5 yr. Cap Projection: \$ 25,000.00
 CY Budget \$ -
 GL Account:

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

Asset Description

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

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

Justification

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

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other		Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor								\$	-
Engineering								\$	-
Parts & Supplies								\$	-
Chemicals								\$	-
Utility								\$	-
Other							\$ 25,000	\$	25,000
Total			\$	- \$	- \$	- \$	- \$	- \$ 25,000	\$ 25,000

7 **FY 2021-22 Budget**
Carmel Area Wastewater District

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

Project Name: Replace Administrative Office Furnace
Dept.: Treatment
5 yr. Cap Projection: \$ 6,500.00
CY Budget \$ -
GL Account:

Asset Description

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

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

Justification

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

Asset Risk Management Strategy

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

Funding Source

Primary	Operating Reserves	Secondary							
Budget Impact/Other		Prior Yr.	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
	Labor							\$	-
	Engineering							\$	-
	Parts & Supplies							\$	-
	Chemicals							\$	-
	Utility							\$	-
	Other							\$ 6,500	\$ 6,500
	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,500	\$ 6,500

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

Project Name: Server Replacement
Dept.: Administration
5 yr. Cap Projection: \$ 7,000.00
CY Budget \$ 7,000.00
GL Account:

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

Asset Description

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

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

Justification

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

Asset Risk Management Strategy

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

Funding Source

Budget Impact/Other	Primary	Capital Reserves		Secondary					Total		
		Prior Yr.	22-23	23-24	24-25	25-26	26-27	27-28			
Labor									\$	-	
Engineering									\$	-	
Parts & Supplies									\$	-	
Chemicals									\$	-	
Utility									\$	-	
Other		\$	7,000						\$	7,000	
Total		\$	7,000	\$	-	\$	-	\$	-	\$	7,000

b FY 2022-23 Budget
Carmel Area Wastewater District

Contact: Buikema

Area Administration

Asset Type: N/A

Avg Useful Life: 10 years

Est Residual Life: 5 years

% Consumed Life: 50%

Category: Maintenance

Urgency: 3 = Important

Carry Forward: No

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

Asset Description

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

Year Built: N/A

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

Rehab Life Extension: N/A

Asset Condition Rating: 3 Minor defects only

Justification

The Admin copy machine receives considerable use every working day and is a critical piece of office equipment. While technology will certainly continue to change, based on current average usage we are planning for its replacement with an equivalent machine. This machine carries the largest load of copy and print volume for the District and is the conduit between copy/scan/fax/email of documents in Admin and the rest of the plant. The usage on this machine is heavy due to printing of board packets and other project material. Staff must have the ability to print/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 Reserves	Secondary					Unscheduled	Total
Budget Impact/Other	Prior Yr.	22-23	23-24	24-25	25-26	26-27			
Labor							\$	-	
Engineering							\$	-	
Parts & Supplies							\$	-	
Chemicals							\$	-	
Utility							\$	-	
Other					\$ 10,500		\$	10,500	
Total		\$ -	\$ -	\$ -	\$ 10,500	\$ -	\$ -	\$ 10,500	

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

Project Name: General Manager's Sedan
 Dept.: Administration
 5 yr. Cap Projection: \$ 38,000.00
 CY Budget \$ -
 GL Account:

Contact: Foley
 Area Administration
 Asset Type: N/A
 Avg Useful Life: 10+ years
 Est Residual Life: 4 yrs
 % Consumed Life: 60%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Asset Description

The current vehicle (Hyundai Santa Fe) was purchased in 2016 and has 21,691 miles on the odometer. We estimate this car will last over 100,00 miles. Replacement is estimated at 10+ years for budget; however we acknowledge that in the absence of any significant mechanical issues this vehicle can last considerably longer.

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 conference/training. The ability to handle up to four large adults comfortably makes this vehicle quite useful.

Asset Risk Management Strategy

Capital Improvement Risk: Plan Rehab/Replacement
 Maintenance Risk Management: Predictive & Preventative Maintenance
 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	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other							38,000	\$ 38,000
Total		\$	- \$	- \$	- \$	- \$	- \$ 38,000	\$ 38,000

Capital Budget Reclamation

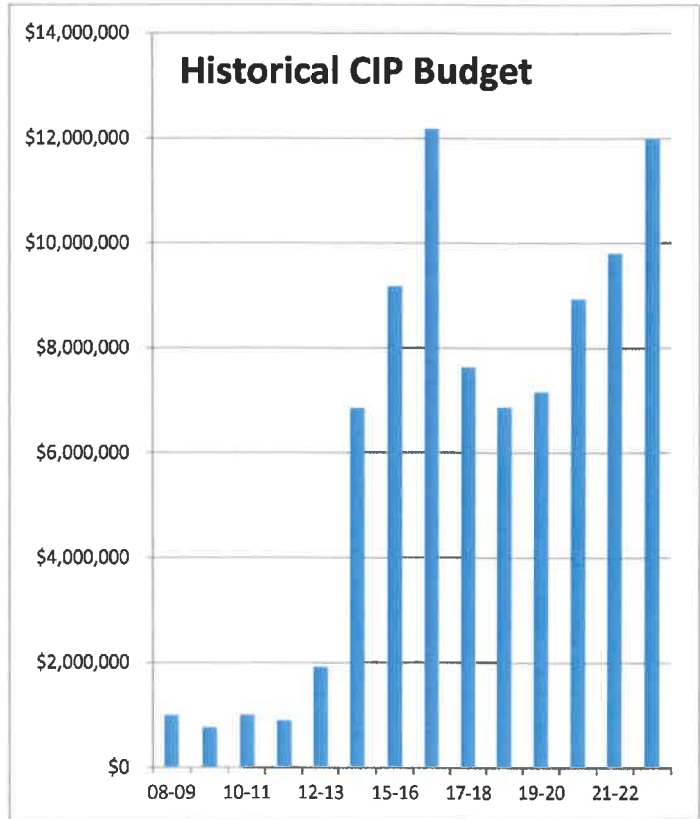
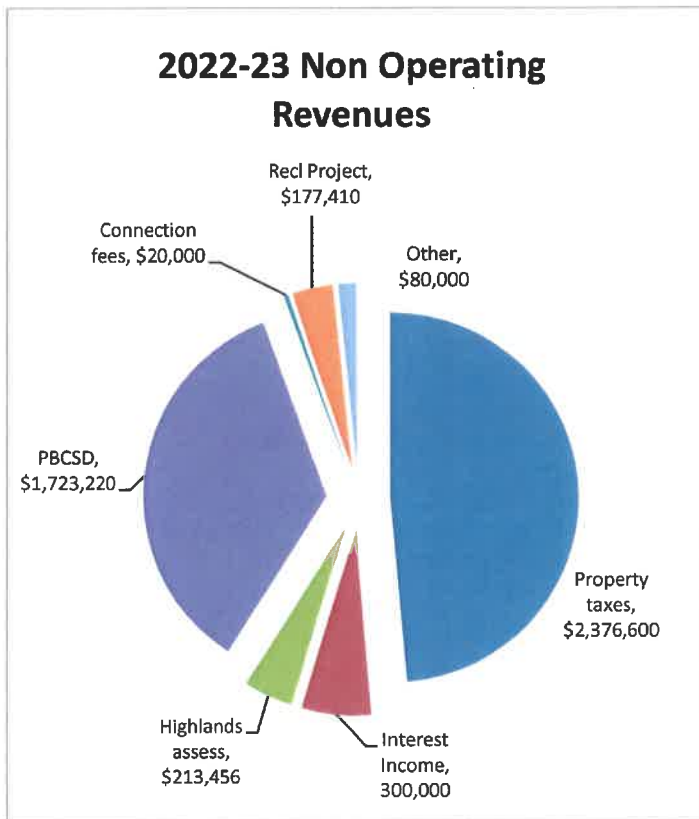
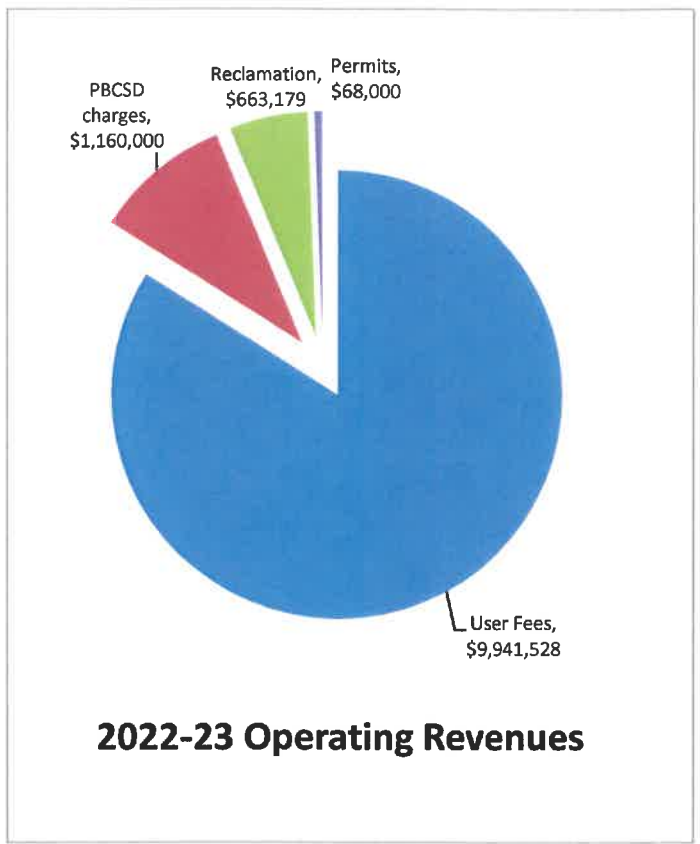
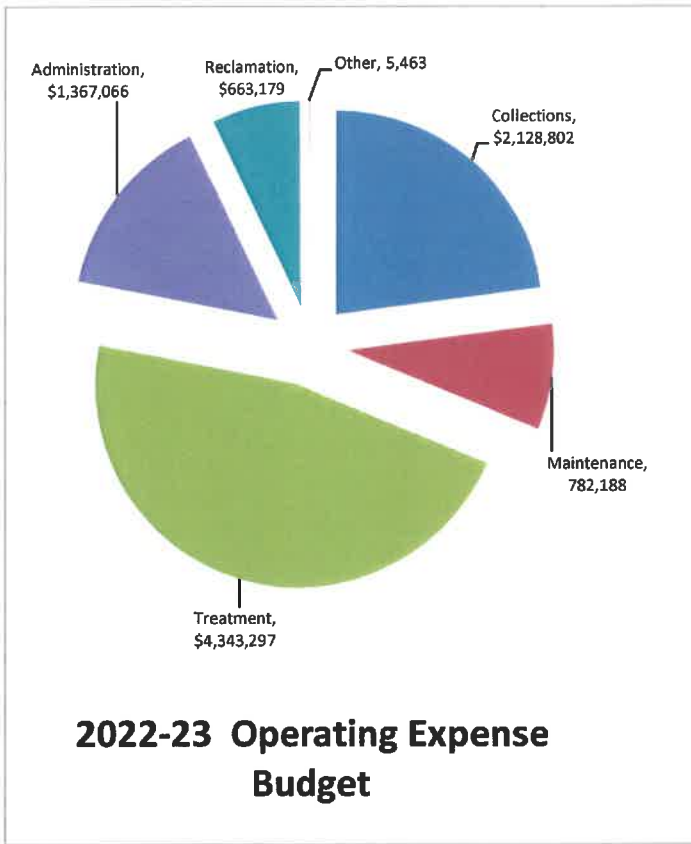
CAWD/PBCSD Reclamation Project

FY 2022/23 thru 2023/24

Project #	PROJECT	22/23	23/24	24/25	25/26	26/27	27/28
CAPITAL PROJECTS							
1	WWTP Elec/Mech Rehab & Sludge Holding Tank Construction (2.7% Recl)	\$4,045,750					
2	WWTP Elec/Mech Rehab & Sludge Holding Tank Construction Mgmt (2.7% Recl)	\$625,000					
CAPITAL PURCHASES							
a	Laboratory Ion Chromatograph (90% Recl)	\$57,000					
b	ATL LIMS System new generation (CAWD 50%)						
c	Laboratory Dishwashers (CAWD 75%)						
	Total	\$4,727,750					
	CAWD Share	\$4,550,340					
	PBCSD Share	\$0					
	RECLAMATION SHARE TOTAL	\$177,410	\$0	\$0	\$0	\$0	\$0

Supporting Documents

Budget Graphs



Budget Maps

Carmel Area Wastewater District - Service Area with Parcels



Appendices

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.