



CARMEL AREA WASTEWATER DISTRICT

Regular Board Meeting

3945 Rio Road, Carmel, CA 93923

June 30, 2022
Thursday
9:00AM



2021 CAWD EMPLOYEE SURVEY

JOB SATISFACTION	1 - Strongly Disagree - 5 - Strongly Agree	Average
Doing my job gives me a sense of personal satisfaction.		4.269
I enjoy performing the actual day-to-day activities of my job.		4.192
My job lets me do a number of different things.		4.500
My job makes use of my skills and abilities.		4.077
Doing my job well leads to things like pay increases.		2.917
Doing my job well leads to recognition and respect from those I work with.		3.720
My job provides a good chance for getting ahead.		3.240
I am clear about what people expect of me on the job.		4.192
My supervisor expects too much from me on the job.		2.500
I clearly understand the requirements of my position.		4.120
My department receives cooperation and assistance from other departments.		4.120
At work, I have the opportunity to do what I do best every day.		3.680
The mission/purpose of CAWD makes me feel my job is important.		4.000
Overall, I am satisfied with my job.		3.654
COMMUNICATION	1 - Strongly Disagree - 5 - Strongly Agree	Average
I get the information I need to coordinate my work with others.		3.462
My direct supervisor tells my department what it needs to know to do the best job possible.		3.846
The information I receive from my direct supervisor is straightforward and honest.		3.920
The information I receive from my superintendent (or department head) is straightforward and honest.		4.200
The information I receive from the general manager is straightforward and honest.		3.083
I am kept informed about what is going on at CAWD.		3.346
My direct supervisor is willing to listen if I have questions or concerns.		4.391
My direct superintendent (or head of my department) is willing to listen if I have questions or concerns.		4.440
The general manager is willing to listen if I have questions or concerns.		3.708
Communication between departments is effective.		3.385
Communication within my department is effective.		3.962
Communication with the administrative office is effective.		3.400
I feel comfortable contacting the administrative office if I have a question that my supervisor doesn't know the answer to.		3.286
I feel comfortable contacting human resources if I have a question.		3.750
I am encouraged to contact the administrative office or human resources if I have a question that my supervisor doesn't know the answer to.		3.600
Policies and procedures that affect my work are communicated adequately.		3.320
SUPERVISORS AND MANAGEMENT	1 - Strongly Disagree - 5 - Strongly Agree	Average
It is clear to me who I report to.		4.808
I know who to go to if I have questions.		4.769
My direct supervisor encourages people in my department to work as a team.		4.538
My direct supervisor encourages people to exchange opinions and ideas.		4.423
My direct supervisor encourages people to give their best effort.		4.423
My direct supervisor provides help, training, and guidance so that I can improve my performance.		4.000
My direct supervisor asks for opinions and ideas from members of my department.		4.038
My direct supervisor has the skills to get along with others.		3.962
My direct supervisor treats me with respect.		4.385
My co-workers treat me with respect.		4.192

My direct supervisor has an interest in and a concern for the employees under their supervision.	4.240
My superintendent (or department head) has an interest in and a concern for the employees under their supervision.	4.480
The general manager has an interest in and concern for the employees under her management.	3.292
My direct supervisor treats me fairly.	4.400
My direct supervisor treats all direct reports equally?	4.043
The general manager treats me fairly.	3.955
My superintendent (or department head) treats me fairly.	4.542
There are times when one person wants me to do one thing and someone else wants me to do something else.	3.130
I go through a lot of red tape to get things done.	2.120
I get hemmed in by long-standing rules and regulations that no one seems to be able to explain	2.000
My direct supervisor tells me if my work needs improvement.	3.846
If my work has needed improvement, there has been a clear plan for making that improvement.	3.714
I have confidence and trust in my direct supervisor.	4.000
I have confidence and trust in my superintendent (or department head).	4.320
I have confidence and trust in the general manager.	3.208
The management understands and supports the importance to employees of a good work/life balance.	3.833
My direct supervisor talks down to me.	1.778
My superintendent (or department head) talks down to me.	1.556
The general manager talks down to me.	1.700
How would you rate the performance of your direct supervisor?	3.960
How would you rate the performance of your superintendent (or department head)?	4.320
I have important responsibilities in my job.	4.577
There is a lot of time wasted because of inefficiencies.	2.920
My supervisor regularly discusses my performance with me.	3.080
My supervisor is always consistent when administering policies.	3.538
I have the opportunity to participate in the goal setting process.	3.600
My department is adequately staffed.	3.000
I regularly work overtime to get my job done.	1.591
I receive regular written performance reviews (annually).	3.360
My performance reviews have been timely.	3.231
I feel my performance reviews have been fair.	4.320
In the last six months, someone at work has talked to me about my progress.	3.120
In the last seven days, I have received recognition or praise for doing good work.	3.083
This year, I have had opportunities at work to learn and grow.	3.962

QUALITY AND TEAMWORK	1 - Strongly Disagree - 5 - Strongly Agree	Average
My department's quality of work is high.		4.115
People in my department exchange ideas and opinions.		4.385
People in my department encourage each other to give their best effort.		3.885
People in my department help me find ways to do a better job.		3.800
People in my department offer each other new ideas for solving job-related problems.		4.038
My department feels responsible for meeting its objectives successfully.		4.308
I have confidence and trust in the people in my department.		3.885
When conflicts arise between department members, mutually acceptable solutions are sought.		3.783
When solutions are reached, opposing department members accept and implement them.		3.739
My work activities are sensibly organized.		4.038
My department works well together as a team.		4.115
Teamwork is encouraged and practiced in the District.		4.077
I receive the training I need to perform my job effectively.		4.077
I have the materials and equipment I need to do my work.		4.308
I receive regular safety training.		4.480
The safety training I receive is relevant and informative.		4.240
The employees in my department conduct themselves in a safe manner.		4.538

I'm held accountable for the work that I do.	4.538
All employees in my department are held accountable for their work.	3.840

EMPLOYEE APPRECIATION AND MORALE	1 - Strongly Disagree - 5 - Strongly Agree	Average
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I feel appreciated by my direct supervisor.	4.120
I feel appreciated by my superintendent (or department head).	4.200
I feel appreciated by the general manager.	3.304
I feel appreciated by the board of directors.	3.125
On the whole CAWD appreciates its employees.	3.480
Morale within CAWD is good.	3.250
My direct supervisor tells me if I've done a job particularly well.	3.545
I plan on leaving my job with CAWD within the next six months to a year.	2.053
I feel my job at CAWD is secure.	4.000
There is opportunity for growth at CAWD.	3.417
The physical working conditions at CAWD are good.	4.120
CAWD's benefit package is good (health, dental and life insurance, retirement, etc.).	3.640
I understand what benefits are available to me.	4.200
I would recommend employment at CAWD to others.	3.720
I feel my work contributes to the overall success of CAWD.	4.560

MISCELLANEOUS	1 - Strongly Disagree - 5 - Strongly Agree	Average
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Do you think the District's efforts to improve reliability and efficiency are moving in the right direction?	3.917
Are you comfortable approaching either the plant engineer or the principal engineer to inquire about their projects?	3.958
Are you comfortable approaching your supervisor to inquire about the District's capital projects?	4.440
Do you think the District took appropriate precautions due to the pandemic?	4.038

Job Satisfaction

A longevity step or steps (e.g. 15 years and 30 years) would allow those who have a decent longevity to have something to work towards and look forward to.

I would like to see some kind of "merit" pay or benefit increases. Many of us have had to do more as the technology and upgraded systems gets more complicated, but there is no step increases for that.

Disconnect between the Board and General Manager at times leads to confusion of goals and trust with staff.

I've known forever that this job doesn't utilize all my skills, quite few actually. Sometimes I feel the expectations of me aren't based in reality. I bust ass all the time, and yet it doesn't seem to make an overall difference. I see so much waste from others, I really should turn my performance level down to stay in pace with everyone else. I don't know why I try so hard or why everyone else doesn't. That probably frustrates me the most. I would say to some extent, zero accountability.

I am happy with my job

Poor communication with or between all operations crew

Tech investments and automation need to continue at CAWD.

Working at CAWD allows me to continue to learn and explore different ideas and to work with some very knowledgeable people. Also allows all staff to work with other departments to achieve the District's goals.

Communication

We still do not have a thorough and up to date personnel handbook and have not received an explanation as to the delay. In the past year or so I have been hesitant to really talk to the GM because I feel it will come back to bite me. It would be better if the GM came down to the plant unexpected and just took a look at what goes on, instead of wanting everyone to go to that office.

Still waiting for the Employee Handbook to be updated!!!!

Mixed message sometimes with Admin staff as sometimes different what the General Manager communicates.

info from or between operations staff is almost zero

CAWD has always encouraged staff to seek assistance from HR and the Admin office. The GM has always taken the time to listen to my concerns although there have been times where I felt there was a lack of follow through with some of those concerns. Communication is always difficult and is something that continues to be short. I personally have tried to increase my sharing of information and to be clear. I also have been putting more things in writing for better clarity.

Supervisor and Management

Direct supervision is great. Course work is always available and encouraged. In the past year however, I feel that the GM has been placed under pressure to please only one Board Member. There needs to be more balance between Board "wishes" and what staff has time to do. GM is not protecting the staff.

My superintendent is very fair and is good at managing his team. I give praise to the General Manager for making sure CAWD has good equipment to allow us to do our work.

There have been concerns I have brought up in the past that never got addressed. That was discouraging.

Performance review are not always on schedule.

No comment

This survey needs new question - "Does management view employees as its greatest resource?" You will learn a lot.

my supervisor doesn't talk down to me directly. but i hear about it from others. when asked about it, will not admit to it.

Automation needs to continue at CAWD

My supervisor and I have a good working relationship. I have not had a review in many years. My understanding is that it is in managements review process. My theory is if my supervisor is unhappy with my performance then he will talk to me about it. So far things appears to be good.

Quality and Teamwork

I feel the that there is much better plant interdepartmental cooperation. Cooperation between Rio Road and Plant has diminished. There has been and increase of "these are my people" and "those are your people".

I would say I'm held accountable, others not so much

The question, "Teamwork is practiced and encouraged in the District" was scored a 3. This is because some depts are 5 or 4. But operations scores a 1. Often opposition via passive aggressive behavior.

i've witnessed some take credit for others ideas or findings.

i've seen double standards.

some are never honest about their roles in conflicts.

Our department does a good job with brain storming and sharing ideas. Employees work together well. Staff is being held accountable for their work but get defensive when their performance is poor.

Employee Appreciation and Morale

There has become a huge disconnect from the General Manager and Board of Directors with that of the Employees of CAWD. The employees of CAWD are working in established careers. We should all be making a livable wage, one where we should be able to buy an average home in the county that we live. The average home in Monterey County is \$788,000 (December 2020) making the average 30-day mortgage \$3,545 per month. Its common for one to should spend 28% or less of your monthly gross income on your mortgage payment. The means that for a CAWD employee to own a house their income would need to be \$12,671 a month. No CAWD employee makes that alone. Now the average rent in Monterey county is \$2,263 per month for about 800 sqft. Common rent should be 30% or less of monthly gross income. The means for a CAWD employee to rent the average apartment in Monterey County they would need to make \$7,543 a month. Why does the board and the GM feel that employees in established careers (and those with college degrees) should make enough to rent but will never make enough to own a home? Why do some CAWD employees with established careers need to have a roommate or house mate to afford to live in this county? Does the GM or the Board feel a CAWD employee with a degree working in a career should be able to afford a home on a district sallery? I do not have a solution to this besides the addition of longevity steps of 5% and 10% pay increases for 15 years and 30 years employment. The other thing is with our high deductible medical plan, an individual has a \$3,000 yearly deductible. The GM has stated the employee is covered 100% however \$3,000 is out of pocket. Even the current HAS contribution will not cover the deductible. That is not "The employee is covered 100%". That is the Employee is covered till they get sick then its their problem, or they don't get sick and save till next year. Can the GM and the Board please treat us like Humans. Many companies have started to take this approach and I would like to urge the CAWD GM and Board to put an end to this. Cover the health care 100% including their individual deductible. Then cover the family 50% and their deductible 50%. Plan to know that health costs will go up every year.

There is still a general feeling that the employees need to "negotiate (beg)" for benefits and or compensation, leaving the feeling that we are less important than the GM's relationship with the Board. I don't feel that the GM would suggest better compensation on employees' behalf to the Board. The Board states they appreciate the workers but then criticize and nit-pick the staff in a public board meeting? This is primarily from one Board member.

At times confusing as first the Board says Best Staff ever and in the last Board meeting one Board member states "he does not trust staff in communicating".

The Board should do a walk thru the treatment once a quarter and sit down with staff for a question and answer period to better understand what is being accomplished in the District. Rather than just reading a Board Report once a month.

The health plan is good but starting to get expensive. Maybe CAWD could start absorbing more of the increased costs. There are many in house projects performed which saves the district lots of money by not

having to hire contractors. It would help employee appreciation and morale to have some of the savings trickle down into pay and less cost of healthcare benefits for employees.

The question, "Moral within CAWD is good" was scored a 3. This is because two depts score 5 and 4. But operations scores a 2. Many in ops enjoy stirring up rumors, and pitting people against each other. Management creates this with constant authoritarian "gotcha" butt chewings and very very lame communication and no planning ahead.

CAWD is a good employer and is always open to new ways to do things to improve the District's ability to achieve its goals and also create a friendly and efficient work place. Job recognition is not a high priority as I believe in personal satisfaction and achievements as my driving force.

Miscellaneous

The unvaccinated employees should be asked to leave the District if their exemption is not truly valid. The District should not be wasting money to have them tested weekly.

The handling of the pandemic was exceptional. I think Six Sigma should have been better presented as to why it is good for a company that does not produce items. First it was for the supervisors, now we all need it - why?

Like to see more cross training in different Departments.

Better succession planning as there are at least three employees retiring in the next two years.

I think overall, as far as the pandemic goes, CAWD did what it could with what it knew at the time. There were some pandemic concerns though I expressed that were ignored. That made me feel like I was just a number here.

Survey needs new question -- "Does management view employees as its greatest resource?" You will learn a lot.

Staff is good about sharing information about Districts plans to improve the plant. I believe the District did a good job with their philosophy but at times was very slow in providing written documentation on specific procedures and then relaying that to staff.

CSRMA Presentation by Chris Foley
to be inserted at the time of the meeting

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: June 30, 2022

Subject: Ordinance 2022-03 and Fiscal Year Rate Model 2022-23

RECOMMENDATION

It is recommended that the Board of Directors adopt an ordinance authorizing the adoption of the Carmel Area Wastewater District (CAWD/District) Schedule of Sewer User Fees for fiscal year 2022-23, effective July 1, 2022.

DISCUSSION

Attached is the User Rate Model for fiscal year 2022-23. There have been no changes to the preliminary rate model since its presentation in March. These rates were published in the Prop 218 Notice provided to all parcels of record in the District in early May (copy attached).

A review of the summary page of the Rate Model as follows:

- The left side of the spreadsheet provides ten years of historical data.
- The middle section is the result of the State Water Resources Control Board (SWRCB) model.
- The right side of the spreadsheet is the increase proposed for adoption by District Ordinance 2022-03 and published in the Prop 218 Notice.

Each year the District works to bring all rate categories in line with the model provided by the State Water Resources Control Board while balancing it against the District's ability to collect revenues and balance expenditures. This year the District also considered the impacts of inflation and supply chain obstacles on the District. For the past two years CAWD has kept rates artificially low as an acknowledgement of the impact of COVID-19 on our ratepayers. Now, we are in a position of putting our rates back on track to enable us to meet our goals with respect to capital projects over the next twenty years and our requirement to move the treatment facility from the lagoon area.

The Budget Committee worked very hard this year to analyze the District’s capital requirements, operating needs, and the potential costs involved in moving the treatment facility.

The table below offers CAWD user fee data for eleven years for residential units. Comparative data from the SWRCB for 2016-17 is the last year available. The Statewide average user charge for a single-family dwelling in 2016-17 was \$44.10. The SWRCB has ceased providing the survey information due to budgetary reasons.

By Year	Average Monthly Charge	Percentage Change
CAWD 2012-13	\$34.76	7.50%
CAWD 2013-14	\$38.62	11.11%
CAWD 2014-15	\$42.86	10.97%
CAWD 2015-16	\$47.95	11.89%
CAWD 2016-17	\$53.93	12.46%
CAWD 2017-18	\$58.60	8.65%
CAWD 2018-19	\$63.99	9.19%
CAWD 2019-20	\$68.82	7.55%
CAWD 2020-21	\$70.99	3.16%
CAWD 2021-22	\$73.13	3.02%
CAWD 2022-23 (proposed)	\$83.82	14.63%

As of June 15, 2022, the District had not received any written protests to the proposed rate increase. The final protest tally will be presented at the June 30, 2022, meeting.

Attachments: 2022-23 User Fee Rate Model
Prop 218 Notice

FISCAL IMPACT

Residential sewer user fees, the District’s largest category, are projected to provide \$7,155,240 in operating revenues for fiscal year 2022-23. That equates to an estimated 71.9% of total projected user fee revenues of \$9,941,528.

The rate model provides for \$2.5M to be dedicated to capital replacement costs.

The cost to collect user fees, exclusive of staff time, is assessed by Monterey County and is estimated to be \$28,110 for 2022-23. The fee is provided for in the 2022-23 Operating Budget.

User Fee Rate Model

2022-23



Budget Committee Review: 03-10-22

Preliminary Board Meeting: 03-31-22

Final Board Meeting: 06-30-22

Summary Rate Model History

06/30/22

User Group	Count	Units	Actual 2012-13	Actual 2013-14	Actual 2014-15	Actual 2015-16	Actual 2016-17	Actual 2017-18	Actual 2018-19	Actual 2019-20	Actual 2020-21	Actual 2021-22	% Change	Model 22-23			Proposed Rates			
														Rates	% Change	Annual Est. Revenue	Annual Rates	Monthly Rate	% Change 2022-23	Annual Est. Revenue
Veterinary Offices	3	each	776.80	1,039.90	1,242.32	1,406.20	1,496.16	1,621.48	1,748.92	1,892.64	1,938.78	2,043.50	5.40%	2,288.83	12.01%	6,866.48	2,288.84	190.74	12.01%	6,866.51
Animal Hosp & Board	1	each	1,876.00	3,416.82	3,549.50	4,017.72	4,277.74	4,636.04	5,000.44	5,411.36	5,543.28	5,608.98	1.19%	6,511.87	16.10%	6,511.87	6,511.88	542.66	16.10%	6,511.88
Bakery	4	each	1,255.00	1,885.36	2,198.30	2,369.08	2,487.40	2,726.44	3,002.30	3,163.94	3,339.10	3,351.22	0.36%	3,743.88	11.72%	14,975.53	3,743.88	311.99	11.72%	14,975.53
Bar	28	each	650.50	724.30	864.82	981.04	1,049.60	1,136.96	1,225.20	1,327.44	1,358.00	1,374.58	1.22%	1,579.63	14.92%	44,229.59	1,579.64	131.64	14.92%	44,229.87
Beauty Salon	32	each	486.00	601.98	717.46	819.78	867.32	937.98	1,012.12	1,100.86	1,121.26	1,136.28	1.34%	1,331.31	17.16%	42,602.05	1,331.32	110.94	17.17%	42,602.37
Business/Govt/Retail	935	per 10 employees	247.70	274.94	311.50	355.02	391.92	424.10	456.10	495.42	505.36	511.94	1.30%	612.48	19.64%	572,665.15	612.48	51.04	19.64%	572,665.15
Camera/Photo	2	each	343.00	382.04	456.96	515.96	540.98	586.62	633.34	684.52	702.20	710.04	1.12%	799.14	12.55%	1,598.29	799.14	66.60	12.55%	1,598.29
Church/Synagogue/M	33	ERU = 150	355.80	401.46	478.50	546.72	582.88	630.36	677.20	736.58	750.24	760.26	1.34%	887.94	16.79%	29,301.91	887.94	73.99	16.79%	29,301.91
Conv. Hospital	9	beds	196.00	217.94	260.20	295.10	309.56	335.34	361.40	391.50	400.58	405.48	1.22%	472.38	16.50%	4,251.39	472.38	39.36	16.50%	4,251.39
Dental Office	15	each Dentist	367.16	408.88	485.80	561.02	588.36	634.78	678.92	742.66	751.60	763.14	1.54%	914.52	19.84%	13,717.78	914.52	76.21	19.84%	13,717.78
Gym/Health Spa	3	each	462.00	514.08	612.82	699.50	752.92	814.44	875.36	951.58	969.84	982.70	1.33%	1,161.50	18.19%	3,484.50	1,161.50	96.79	18.19%	3,484.50
Hotel/Motel	1,256	room	209.40	232.94	260.68	295.60	320.50	347.20	381.48	413.22	422.82	428.08	1.24%	477.64	11.58%	599,914.35	477.64	39.80	11.58%	599,914.35
Laundromats	29	per machine	360.00	493.92	587.30	676.40	727.10	784.92	840.48	918.06	930.62	944.46	1.49%	1,143.94	21.12%	33,174.18	1,143.94	95.33	21.12%	33,174.18
Laundry	3	each	1,666.66	1,884.96	2,262.74	2,514.96	2,691.76	2,929.36	3,183.98	3,411.96	3,533.92	3,564.90	0.88%	3,968.94	11.33%	11,906.82	3,968.94	330.74	11.33%	11,906.82
Market	19	each	614.00	872.22	1,053.90	1,143.46	1,200.06	1,313.28	1,442.00	1,525.26	1,603.04	1,610.36	0.46%	1,840.42	14.29%	34,967.94	1,840.42	153.37	14.29%	34,967.94
Medical Office	21	each Physician	202.00	216.50	247.18	283.18	299.62	318.16	334.26	364.94	364.94	359.92	-1.38%	440.49	22.39%	9,250.29	440.50	36.71	22.39%	9,250.50
Residential	7,113	each	417.10	463.46	514.32	575.46	647.14	703.18	767.84	825.78	851.84	877.58	3.02%	1,005.94	14.63%	7,155,240.09	1,005.94	83.83	14.63%	7,155,240.09
Restaurants	14,400	Seat/Meal	28.90	35.90	43.36	46.98	49.36	54.02	59.36	62.74	65.98	66.32	0.52%	74.40	12.19%	1,071,415.66	74.40	6.20	12.19%	1,071,415.66
Schools	2,500	Population	15.94	17.46	20.76	23.88	26.84	28.98	31.04	33.90	34.36	34.88	1.51%	42.23	21.06%	105,567.42	42.24	3.52	21.09%	105,592.42
Service Stations	26	per pump	1,346.20	1,504.86	1,619.06	1,830.54	1,940.98	2,104.06	2,270.46	2,455.60	2,517.14	2,546.00	1.15%	2,947.48	15.77%	76,634.37	2,947.48	245.62	15.77%	76,634.37
Supermarkets	2	each	12,918.34	14,639.80	14,152.08	15,350.08	16,915.86	18,513.28	20,330.52	21,500.58	21,601.64	22,703.94	5.10%	25,502.45	12.33%	51,004.89	25,502.46	2125.20	12.33%	51,004.91
SPECIAL	57	ERU=150	363.50	402.96	480.32	548.60	594.48	642.96	690.84	751.26	765.36	775.56	1.33%	916.18	18.13%	52,222.03	916.18	76.35	18.13%	52,222.03
TOTALS															\$9,941,502.58			\$9,941,528.45		

Straight Rate Model - \$2.5M Capital Replacement
\$500K Contingency

Proposed vs. Model 25.87

	Model	Proposed
\$ Change	14.63%	14.63%
Monthly Charge	\$83.83	\$83.83
\$ increase	\$10.70	\$10.70

**CARMEL AREA WASTEWATER DISTRICT - REVENUE PROGRAM
FORM 1 - SUMMARY OF USERS AND WASTEWATER CHARACTERISTICS**

6/30/22

USER GROUP	COUNT	UNITS	FLOW (gpd/unit)	ADWF (MGD)	BOD (mg/l)	SS (mg/l)	DESIGN FLOW (MGD)	BOD (lbs/day)	SS (lbs/day)	VOLUME (MG)	BOD (lbs)	SS (lbs)
Veterinary Offices	3	each	355	0.0011	245	410	0.0011	2.176	3.642	0.389	794	1,329
Animal Hosp & Boarding	1	each	1,010	0.0010	245	410	0.0010	2.064	3.454	0.369	753	1,261
Bakery	4	each	260	0.0010	1,150	1,800	0.0010	9.975	15.612	0.380	3,641	5,698
Bar	28	each	250	0.0070	225	395	0.0070	13.136	23.060	2.555	4,794	8,417
Beauty Salon	32	each	225	0.0072	165	345	0.0072	9.908	20.717	2.628	3,616	7,561
Business/Govt/Retail	935	per 10 employees	100	0.0935	225	330	0.0935	175.453	257.331	34.128	64,038	93,923
Camera/Photo	2	each	120	0.0002	175	580	0.0002	0.350	1.161	0.088	128	424
Church/Synagogue/Mission	33	ERU = 150	150	0.0050	155	360	0.0050	6.399	14.862	1.807	2,336	5,424
Conv. Hospital	9	beds	75	0.0007	245	360	0.0007	1.379	2.027	0.246	503	740
Dental Office	15	each Dentist	170	0.0026	140	200	0.0026	2.977	4.253	0.931	1,087	1,552
Gym/Health Spa	3	each	195	0.0006	185	330	0.0006	0.903	1.610	0.214	329	588
Hotel/Motel	1,256	room	75	0.0942	290	320	0.0942	227.832	251.401	34.383	83,156	91,758
Laundromats	29	per machine	200	0.0058	150	300	0.0058	7.256	14.512	2.117	2,648	5,297
Laundry	3	each	500	0.0015	415	670	0.0015	5.192	8.382	0.548	1,895	3,059
Market	19	each	140	0.0027	1,100	1,450	0.0027	24.403	32.167	0.971	8,907	11,741
Medical Office	21	each Physician	87	0.0018	155	180	0.0018	2.362	2.743	0.667	862	1,001
Minimum/Vacant/Storage	0	each	0	0.0000	0	0	0.0000	0.000	0.000	0.000	0	0
Public	0	ERU=175	0	0.0000	0	0	0.0000	0.000	0.000	0.000	0	0
Residential	7,113	each	130	0.9247	410	610	0.9247	3,161.885	4,704.268	337.512	1,154,050	1,717,001
Restaurants	14,400	Seat/Meal	6	0.0864	1,100	1,200	0.0864	792.634	864.691	31.536	289,302	315,602
Schools	2,500	Population	8	0.0188	150	270	0.0188	23.456	42.221	6.844	8,561	15,410
Service Stations	26	per pump	450	0.0117	195	515	0.0117	19.028	50.253	4.271	6,945	18,342
Supermarkets	2	each	2,000	0.0040	900	1,600	0.0040	30.024	53.376	1.460	10,958	19,482
Theaters	0	Seats	3	0.0000	200	285	0.0000	0.000	0.000	0.000	0	0
SPECIAL	57	ERU~150	155	0.0088	160	350	0.0088	11.789	25.789	3.225	4,303	9,413
TOTALS			6,664	1.2802	424	599	1.2802	4,530.58	6,397.53	467.265	1,653,607	2,335,022

**CARMEL AREA WASTEWATER DISTRICT - REVENUE PROGRAM
FORM 2 - OPERATION AND MAINTENANCE COSTS AND DEBT SERVICE**

06/30/22

COST CATEGORY	Est. CURRENT YEAR 21-22	ESTIMATED COST 22-23
TREATMENT FACILITIES		
Fixed costs	4,976,280.00	5,108,858.00
Replacement costs	1,775,000.00	1,925,000.00
Total fixed costs	4,976,280.00	5,108,858.00
Replacement costs	1,775,000.00	1,925,000.00
SUB-TOTAL	6,751,280.00	7,033,858.00
COLLECTION SYSTEM		
Fixed costs	1,405,838.00	2,128,802.00
Replacement costs	500,000.00	575,000.00
Total fixed costs	1,405,838.00	2,128,802.00
Replacement costs	500,000.00	575,000.00
SUB-TOTAL	1,905,838.00	2,703,802.00
ADMINISTRATION		
Fixed Costs	1,178,710.00	1,364,656.00
Replacement Costs	0.00	0.00
Variable costs	0.00	0.00
SUB-TOTAL	1,178,710.00	1,364,656.00
OPERATING RESERVES -	0.00	0.00
OTHER		
TOTAL FIXED COSTS	7,560,828.00	8,602,316.00
Total Replacement Costs	2,275,000.00	2,500,000.00
Less PBCSD	1,158,000.00	1,160,000.00
Less CalPERS UAL	0.00	0.00
LESS PBCSD	1,158,000.00	1,160,000.00
TOTAL CAWD O&M COSTS	8,677,828.00	9,942,316.00
DEBT SERVICE	0.00	0.00

**CARMEL AREA WASTEWATER DISTRICT - 2022-23 REVENUE PROGRAM
FORM 3 - CAPITAL COST ALLOCATION**

06/30/22

COSTS	TOTAL COST	FLOW		BOD		SS	
		%	\$	%	\$	%	\$
Collection System	0	100.00	0	0.00	0	0.00	0
Treatment Plant	0	34.00	0	33.00	0	33.33	0
Outfall/Intercept.	0	100.00	0	0.00	0	0.00	0
Step 3 Admin.							
Step 1 & 2							
SUBTOTAL - ALL COSTS							
Less Exclusions							
Total G.F. Costs							
Total N.G.F. Costs							
Federal Grant at 75% of 9							
Annual ICR							
LOCAL SHARE (8+12-1/2% of 9)							

**CARMEL AREA WASTEWATER DISTRICT - REVENUE PROGRAM
FORM 4 - UNIT COST DETERMINATION**

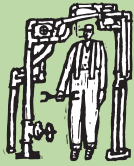
06/30/22

COST CATEGORY	PARAMETER ALLOCATION PERCENTAGE	ANNUAL COST TO EACH PARAMETER	TOTAL QUANTITIES	UNIT COST FOR EACH PARAMETER
1. COLLECTION SYSTEM O&M				
I/I (MG)	0.000	\$0	0.00	
Flow (MG)	100.000	\$3,082,718	467.26	\$6,597.37207
BOD (lbs)	0.000	\$0	1,653,607.07	\$0.00000
SS (lbs)	0.000	\$0	2,335,021.99	\$0.00000
2. DEBT SERVICE				
I/I (MG)			0.00	
Flow (MG)			467.26	\$0.00000
BOD (lbs)			1,653,607.07	\$0.00000
SS (lbs)			2,335,021.99	\$0.00000
3. CAPITAL OUTLAY				
I/I (MG)	0.000	\$0	0.00	
Flow (MG)	0.000	\$0	467.26	\$0.00000
BOD (lbs)	0.000	\$0	1,653,607.07	\$0.00000
SS (lbs)	0.000	\$0	2,335,021.99	\$0.00000
			9.50	
4. TREATMENT & DISPOSAL O&M				
I/I (MG)	0.00	\$0	0.00	
Flow (MG)	33.33	\$2,286,532	467.26	\$4,893.44253
BOD (lbs)	33.33	\$2,286,304	1,653,607.07	\$1.38262
SS (lbs)	33.33	\$2,286,532	2,335,021.99	\$0.97923
5. ADMINISTRATIVE COSTS (Allocated above)				
TO T&D	72.23	\$985,740		
TO COLLECTION	27.77	\$378,916		
TOTAL O&M COST		\$9,942,087		

**CARMEL AREA WASTEWATER DISTRICT - REVENUE PROGRAM
FORM 5 - SUMMARY OF FUND COSTS - O & M**

06/30/22

USER GROUPS	COUNT	FLOW		BOD		SS		TOTAL ANNUAL REVENUE	AVERAGE ANNUAL REVENUE	AVERAGE MONTHLY REVENUE
		UNIT COST= 11,490.81		UNIT COST= 1.382616166		UNIT COST= 0.979233727				
		FLOW - MG	DOLLARS	BOD - lbs.	DOLLARS	SS-lbs.	DOLLARS			
Veterinary Offices	3	0.389	4,467	794	1,098	1,329	1,302	6,866	2,288.83	190.74
Animal Hosp & Boarding	1	0.369	4,236	753	1,041	1,261	1,234	6,512	6,511.87	542.66
Bakery	4	0.380	4,362	3,641	5,034	5,698	5,580	14,976	3,743.88	311.99
Bar	28	2.555	29,359	4,794	6,629	8,417	8,242	44,230	1,579.63	131.64
Beauty Salon	32	2.628	30,198	3,616	5,000	7,561	7,404	42,602	1,331.31	110.94
Business/Govt/Retail	935	34.128	392,153	64,038	88,540	93,923	91,972	572,665	612.48	51.04
Camera/Photo	2	0.088	1,007	128	177	424	415	1,598	799.14	66.60
Church/Synagogue/Mission	33	1.807	20,761	2,336	3,229	5,424	5,312	29,302	887.94	73.99
Conv. Hospital	9	0.246	2,831	503	696	740	724	4,251	472.38	39.36
Dental Office	15	0.931	10,695	1,087	1,503	1,552	1,520	13,718	914.52	76.21
Gym/Health Spa	3	0.214	2,454	329	455	588	575	3,485	1,161.50	96.79
Hotel/Motel	1,256	34.383	395,089	83,156	114,973	91,758	89,853	599,914	477.64	39.80
Laundromats	29	2.117	24,326	2,648	3,662	5,297	5,187	33,174	1,143.94	95.33
Laundry	3	0.548	6,291	1,895	2,620	3,059	2,996	11,907	3,968.94	330.74
Market	19	0.971	11,156	8,907	12,315	11,741	11,497	34,968	1,840.42	153.37
Medical Office	21	0.667	7,663	862	1,192	1,001	980	9,835	468.32	39.03
Minimum/Vacant/Storage	0	0.000	0	0	0	0	0	0	0.00	0.00
Public	0	0.000	0	0	0	0	0	0	0.00	0.00
Residential	7,113	337.512	3,878,286	1,154,050	1,595,608	1,717,001	1,681,346	7,155,240	1,005.94	83.83
Restaurants	14,400	31.536	362,374	289,302	399,993	315,602	309,048	1,071,416	74.40	6.20
Schools	2,500	6.844	78,640	8,561	11,837	15,410	15,090	105,567	42.23	3.52
Service Stations	26	4.271	49,072	6,945	9,602	18,342	17,961	76,634	2,947.48	245.62
Supermarkets	2	1.460	16,777	10,958	15,151	19,482	19,077	51,005	25,502.45	2,125.20
Theaters	0	0.000	0	0	0	0	0	0	0.00	0.00
Special	57	3.225	37,055	4,303	5,949	9,413	9,217	52,222	916.18	76.35
TOTALS		467.265	5,369,251	1,653,607	2,286,304	2,335,022	2,286,532	9,942,087	58,691	4,891



How does CAWD set sewer rates?

CAWD's rate model was devised by the State Water Resources Control Board. It allocates costs based on **flow, suspended solids, and biochemical oxygen demand (BOD)**.

Flow is the amount of liquid wastewater—at CAWD this is about 1.3 million gallons each day. A large cost of flow is for the energy needed to continually pump the water to the headworks where it then gravity feeds through the rest of the plant during treatment.

Suspended Solids are the particles of matter left in wastewater after heavier solids have settled out. When wastewater enters the plant, it is screened at the headworks to remove large debris—this goes to the landfill. Then the water goes to a clarifier where larger particles settle to the bottom. This sludge gets pumped to a digester that turns it into compost. The remaining particles in the water are the suspended solids that must be consumed by the billions of microorganisms we propagate to clean our wastewater.

Biochemical Oxygen Demand is the amount of oxygen consumed by the microorganisms that eat bacteria to clean our wastewater. The more concentrated the wastewater, the more oxygen we need to support the microbes. More oxygen means more cost to run the large blowers which aerate the water in our secondary treatment tanks. These tanks are like giant aquariums of microscopic animals. Much of the plant's equipment and infrastructure are there to keep our hardworking microbes happy and healthy.



Carmel Area Wastewater District
3945 Rio Road
Carmel, CA 93923
(831) 624-1248 ■ CAWD.org

CAWD is a special district dedicated to protecting public health and the environment with the cost-effective collection and treatment of wastewater, and the return of clean water to the environment.

Board of Directors

Greg D'Ambrosio
Michael Rachel
Robert Siegfried
Charlotte Townsend
Ken White

General Manager
Barbara Buikema

— Proposition 218 Notification — Notice of Public Hearing on Proposed Sewer Rate Increase

Thursday, June 24, 2022 9:00 am
Carmel Area Wastewater District
3945 Rio Road, Carmel CA 93922
Zoom link: CAWD.org

On June 30, 2022, at 9:00 a.m., or as soon thereafter as the matter may be taken up, the Carmel Area Wastewater District (CAWD) Board of Directors will hold a public hearing prior to the adoption of its sewer rates.

After two years of operation during the pandemic, the District is cautiously optimistic about the future. We have loosened our pandemic protocol, but we continue to sample our wastewater every week to provide the Monterey County Health Department and the public with data on current COVID-19 levels in the community. During the pandemic we undertook numerous belt-tightening measures to keep rate hikes as low as possible. We were able to curtail residential rate increases to 3.16 percent in 2020-21, and 3.20 percent in 2021-22 (our customer base is two-thirds residential).

As a result of the budget cuts, we did not undertake certain necessary capital projects which now must be completed to ensure the safe, reliable operation of our community's wastewater system.

Over the next 15 years we have projected \$14 million in projects to maintain the treatment plant. We have also scheduled \$64 million to replace or rehabilitate our aging sewer lines during the same period of time. [During the 15 years after that we anticipate that another \$60-\$70 million of sewer line rehabilitation will be needed.-- maybe don't tell them now?] Our recently completed, map-based sewer assessment allows us to pinpoint the exact lengths of

deteriorating pipeline that need work, keeping construction as cost-effective as possible. In addition to projects, like everyone else we are seeing severe inflation in the marketplace. The chemicals and mechanical parts we must buy on a weekly basis are increasing in cost with every order, and can have long wait times. We have stockpiled back-up inventory of critical parts to ensure continual operation, but we are unable to do the same with chemicals, many of which are toxic or caustic, so we are forced to pay more and manage with little margin to spare.

It is never easy to ask for a rate increase. Nobody likes them, including CAWD staff members who also live within the district. But we must catch up with our delayed projects if we are to responsibly maintain our infrastructure for the next generation, passing down the same protections and safeguards we have enjoyed thanks to our predecessors. To that end, we are proposing an additional \$10.69 per month on residential property tax bills, our largest customer category. The total \$128.28 for 2022-2023 will make up for the reduced fees collected for the past two years, and help ensure the long-term sustainability of the Carmel area wastewater system. Meeting our projected budget is a significant but necessary challenge, especially since grants are not available as they were 40 years ago. Regardless, we will continue to look for all possible outside funding, such as monitoring the current administration's Build Back Better plan as a potential grant source.

CAWD is dedicated to diligent, cost-effective long-term financial planning. For the past 20 years we have employed a pay-as-you-go system to run the district. The CAWD Board of Directors has chosen to continue with this model so we have the freedom to maintain and build our infrastructure in a way that best meets the needs of the community, un beholden to loan covenants, and without adding borrowing expenses to user fees. CAWD is deeply committed to getting the most value out of every ratepayer dollar, while maintaining high-quality standards that protect human health and the environment, as well as safeguard property values, business, and our tourist economy.



A TOPSIDE VIEW OF OUR COMMUNITY'S NEW SLUDGE HOLDING TANK
CAWD's treatment plant renovation will be largely completed next year, on budget and ahead of time, to ensure public health and safety, and protect the local environment for the next 30? years.

The procedural requirements of Proposition 218 require that the District provide a notice of the proposed rate schedule to all property owners of record forty-five (45) days prior to holding a public hearing. In order for the increase to “not take effect,” a majority of the property owners are required to file opposition to the increase in writing.

Property owners may file a written and signed protest against the proposed increase with the CAWD Board of Directors at or before the close of the public hearing. To be valid, a protest must be in writing even if you plan to attend the public hearing. Email protests cannot be formally considered. Each written protest must include the parcel owner’s name, service address, assessor’s parcel number for the parcel served, and the parcel owner’s signature. Only one protest will be counted per parcel. If you own more than one parcel, you may file a single protest, but it must identify each parcel you own. The protest must be signed by the property owner(s). If the signer(s) is not shown on the last equalized assessment roll of Monterey County as the owner(s) of the property, the signer(s) must provide written evidence of ownership of said property. For your convenience, we have posted a protest form on our website, CAWD.org. At the hearing, the Board of Directors shall hear all protests and tabulate the ballots.

Protests should be mailed or delivered to the same address as the hearing location. For further detailed information regarding the proposed rate plan, please call James Grover, CAWD Principal Accountant, at (831) 624-1248.

We will continue to update you on improvements to our community’s wastewater system, and we invite you to review our long-term capital plan at CAWD.org. Please feel free to contact us at 624-1248 should you have any questions.

Carmel Area Wastewater District Proposed Sewer Rate Increases for 2022-2023

User Categories	2021-22 Annual Rates	2022-23 Proposed Rates	Percentage of Change
Bakery (each location)	\$ 3,351.22	\$ 3,743.88	11.72%
Bar (each location)	\$ 1,374.58	\$ 1,579.64	14.92%
Beauty Salon (each location)	\$ 1,136.286	\$ 1,331.32	17.16%
Business/Govt./Retail (1-10 employees = one unit)	\$ 511.94	\$ 612.48	19.64%
Camera/Photo (each location)	\$ 710.04	\$ 799.14	12.55%
Church/Synagogue/Mission (each location)	\$ 760.26	\$ 887.94	16.79%
Convalescent Hospital (per bed)	\$ 405.48	\$ 472.38	16.50%
Dental Office (per dentist)	\$ 763.14	\$ 914.52	19.84%
Gym/Health Spa (each location)	\$ 982.70	\$ 1,161.5	18.19%
Hotel/Motel (per room)	\$ 428.08	\$ 477.64	11.58%
Laundromat (per machine)	\$ 944.46	\$ 1,143.94	21.12%
Laundry (each location)	\$ 3,564.90	\$ 3,968.94	11.33%
Market (each location)	\$ 1,610.36	\$ 1,840.42	14.29%
Medical Office (per physician)	\$ 359.92	\$ 440.50	22.39%
Residential/Minimum vacant (each location)	\$ 877.58	\$ 1,005.94	14.63%
Restaurant (per seat/meal)	\$ 66.32	\$ 74.40	12.18%
School (per population)	\$ 34.88	\$ 42.24	21.10%
Service Station (per pump)	\$ 2,546.00	\$ 2,947.48	15.77%
Supermarket (each location)	\$ 22,703.94	\$ 25,502.46	12.33%
Special User (each location)	\$ 775.56	\$ 916.18	18.13%
Veterinary Office (each location)	\$ 2,043.50	\$ 2,288.84	12.01%
Vet Hospital/Boarding (each location)	\$ 5,608.98	\$ 6,511.88	16.10%

ORDINANCE NO. 2022-03

AN ORDINANCE ESTABLISHING SEWER SERVICE CHARGES FOR FISCAL YEAR 2022-23 AND THEREAFTER, PROVIDING FOR THE COLLECTION OF SUCH CHARGES ON THE TAX ROLL, AND PROVIDING FURTHER THAT THIS ORDINANCE AND THE CHARGES ESTABLISHED HEREBY AND THE TAX COLLECTION PROCEDURE SELECTED HEREIN SHALL REMAIN IN EFFECT UNTIL EITHER THE SAID CHARGES ARE REVISED OR THIS ORDINANCE IS OTHERWISE AMENDED OR REPEALED

-oOo-

THE BOARD OF DIRECTORS OF THE CARMEL AREA WASTEWATER DISTRICT (DISTRICT) DOES ORDAIN AS FOLLOWS:

1. Sewer Service Charges. Sewer service charges for services rendered are hereby adopted and levied upon all fiscal years hereafter until the charges established herein are modified or this ordinance is repealed, at the same rates set forth on Exhibit "A" which is attached hereto and incorporated herein by this reference thereto.
2. Collection on Tax Roll. Pursuant to California Health and Safety Code §5473, the District hereby elects to have the aforesaid sewer service charges for services rendered by the District collected on the tax roll in the same general manner, by the same persons and at the same time as the collection of general property taxes by the County of Monterey.
3. Duration. This ordinance, the service charges established hereby and the collection procedure elected herein shall continue in full force and effect until either: a) the said sewer service charges are revised, or b) this ordinance is otherwise specifically amended or repealed.
4. Publication. Following adoption, this ordinance shall be published once in a newspaper published in the District.

5. Effective Date. This ordinance shall take effect and be in force one (1) week after the date it is published in the newspaper, or July 1, 2022, whichever is later.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS

NOES: BOARD MEMBERS

ABSENT: BOARD MEMBERS

ABSTAIN: BOARD MEMBERS

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

Exhibit "A"

Sewer User Fees Effective July 1, 2022

<u>User Category</u>	<u>Units</u>	<u>Annual Rate</u>
Bakery	Location	\$3,743.88
Bar	Location	\$1,579.64
Beauty Salon	Location	\$1,331.32
Business/Govt./Retail	Per 10 Employees*	\$612.48
Camera/Photo	Location	\$799.14
Church/Synagogue/Mission	Location	\$887.94
Conv. Hospital	Per Bed	\$472.38
Dental Office	Per Dentist	\$914.52
Gym/Health Spa	Location	\$1,161.50
Hotel/Motel	Per Room	\$477.64
Laundromats	Per Machine	\$1,143.94
Laundry	Location	\$3,968.94
Market	Location	\$1,840.42
Medical Office	Per Physician	\$440.50
Residential	Dwelling Unit	\$1,005.94
Restaurants	Seat/Meal**	\$74.40
Schools	Population	\$42.24
Service Stations	Per Pump	\$2,947.48
Supermarkets	Location	\$25,502.46
Veterinary Offices	Location	\$2,288.84
Animal Hospital & Boarding	Location	\$6,511.88
Special/Unlisted Users	\$/Flow Characteristics ***	\$916.18

* Each business is counted separately. For 1-10 employee it is counted as 1 unit. For 11-20 it is counted as two units. And so on. For the purposes of this model part-time employees are counted as 4:1

** Customer seats are multiplied by the number of meal periods (breakfast, lunch, dinner) serviced times two. The rate model assumes a seat will turn over twice during any meal period.

***Special/Unlisted users are assessed rates based on their loadings for Biochemical Oxygen Demand (BOD), Suspended Solids (SS), and Flow (millions of gallons) multiplied by the following unit rates: \$1.382616166/lb. of BOD; \$0.979233727/lb. of SS; \$11,490.81/MG of flow

The Carmel Area Wastewater District collects, treats and disposes of wastewater from more than 6,500 residential and commercial connections in Carmel and surrounding areas and portions of lower Carmel Valley.

The fixed rate user fees include funds required for current operation and maintenance costs.



CARMEL AREA WASTEWATER DISTRICT
REGULAR BOARD MEETING MINUTES
Thursday, 9:00 a.m., May 26, 2022
Via Teleconference Webinar

CALL TO ORDER - ROLL CALL - The meeting was called to order at 9:02 a.m.

Present: Directors: Greg D'Ambrosio, Mike Rachel, Charlotte Townsend and President Ken White, President Pro-Tem Robert Siegfried

Absent: None

A quorum was present.

Others: Barbara Buikema, General Manager, Carmel Area Wastewater District (CAWD or District)
Patrick Treanor, Plant Engineer, CAWD
Ed Waggoner, Plant Superintendent, CAWD
Kevin Young, Operations Supervisor, CAWD
Chris Foley, Maintenance Superintendent, CAWD
Daryl Lauer, Collections Superintendent, CAWD
Domine Barringer, Board Secretary, CAWD
Kristina Pacheco, Board Secretary Pro-Tem, CAWD
Robert Wellington, Wellington Law Offices, CAWD Legal Counsel
Richard Verbanec, Board Member of Pebble Beach Community Services District (PBCSD)
Mike Niccum, General Manager, PBCSD

- 1. Public Comments:** No public comments
- 2. Agenda Changes:** Addition of the Financial Report from Hastie Financial Group for Agenda Item No. 26.

CONSENT CALENDAR: APPROVAL OF MINUTES, FINANCIAL STATEMENTS AND MONTHLY REPORTS

Consists of routine items for which Board approval can be taken with a single motion and vote.

Board Action

A motion to receive and approve the consent agenda was made by Director Siegfried and seconded by Director Townsend. After a Roll Call vote, the Board unanimously received and approved the following Consent Calendar/Agenda items:

- 3.** Regular Board Meeting Minutes of April 28, 2022; and the Pension Committee Meeting Minutes of May 17, 2022.
- 4.** Bank Statement Review by Hayashi & Wayland
- 5.** Schedule of Cash Receipts & Disbursements
- 6.** Register of Disbursements - Carmel Area Wastewater District
- 7.** Register of Disbursements – CAWD/PBCSD Reclamation Project

8. Financial Statements and Supplementary Schedules
9. Collection System Superintendent's Report
10. Safety and Regulatory Compliance Report
11. Treatment Facility Operations Report
12. Laboratory/Environmental Compliance Report
13. Capital and Non-Capital Projects Report/Implementation Plan
14. Project Summaries
15. Plant Operations Report
16. Maintenance Projects Report

ACTION ITEMS BEFORE THE BOARD

These items are acted upon in the following sequence: (1) Staff Report (2) Board Questions to Staff (3) Public Comments, and (4) Board Discussion, Vote and Action.

RESOLUTIONS

17. **Resolution No. 2022-15;** Report by Patrick Treanor

Board Action

A motion to approve the resolution was made by Director Siegfried and seconded by Director Townsend. Following a Roll Call vote, the Board unanimously passed Resolution 2022-15, authorizing the General Manager to contract with Greeley and Hansen for \$251,705.09 for assistance with WWTP relocation alternatives planning for the Long-Term Sea Level Rise Mitigation Planning Project #22-01.

18. **Resolution No. 2022-24;** Report by Barbara Buikema

Board Action

A motion to approve the resolution was made by Director Rachel and seconded by President White. Following a Roll Call vote, the Board unanimously passed Resolution 2022-24, proclaiming a local emergency, ratifying the Proclamation of a State of Emergency by Governor's Order #N-25-20, and authorizing remote teleconference meetings of the legislative bodies of CAWD for the period of June 1, 2022, through June 30, 2022.

19. **Resolution No. 2022-25;** Report by Barbara Buikema

Board Action

A motion to approve the resolution was made by Director Siegfried and seconded by Director Rachel. Following a Roll Call vote, the Board unanimously passed Resolution 2022-25, adopting the CAWD/PBCSD Fiscal Year 2022-23 Reclamation Project Budget.

20. Resolution No. 2022-26; Report by Barbara Buikema

Board Action

A motion to approve the resolution was made by Director D'Ambrosio and seconded by President White. Following a Roll Call vote, the Board unanimously passed Resolution 2022-26, specifying the District sewer connection and annexation fees as adopted by Ordinance No. 85-2, beginning June 1, 2022.

COMMUNICATIONS

21. General Manager Report - oral report

The report included an update on the District's Six Sigma case study regarding Source Control and grease in lateral lines for food service establishments (FSE). The Board requested that the General Manager/staff and District Counsel, Rob Wellington, establish a protocol and a process of enforcement for inspections and action that is required of FSE's.

INFORMATION/DISCUSSION ITEMS

22. May update of the WWTP Elec/Mech Rehab and Sludge Holding Tank Replacement Project #18-01- Report by Patrick Treanor

This report is for information only and no action was taken.

23. Summary of the April 29, 2022, PBCSD Board Meeting – Report by Barbara Buikema

This report is for information only and no action was taken.

24. Summary of the May 10, 2022, Reclamation Management Committee Meeting- Report by Barbara Buikema

This report is for information only and no action was taken.

OTHER ITEMS

25. Summary of the Monterey County Treasurer's Report – Report by Barbara Buikema

Board Action

A motion to accept the report was made by Director Siegfried and seconded by President White and unanimously accepted by the Board.

26. Summary Report of the May 17, 2022, Pension Committee Meeting – Report by Barbara Buikema

Board Action

The Board requested that the General Manager and staff complete a review of the District’s bond holdings going back to the beginning of Alan Greenspan’s tenure as Chair of the Federal Reserve (1987). The review would be used to determine if the District’s bond holdings are stable as thought due to recent inflation and fluctuating values over time. The review will also help determine if the Pension Committee needs to evaluate, discuss and/or change the District’s current bond holdings. All board members agreed to move forward with the review.

After the discussion, a motion to accept the summary report given by Barbara was made by Director Siegfried and seconded by Director Townsend and unanimously accepted by the Board.

- 27.** Announcements on subjects of interest to the Board made by members of the Board or Staff
- Director Townsend is scheduled to attend the May 27, 2022, PBCSD Regular Board meeting and President White is scheduled to attend the June 24, 2022, meeting.
 - Director Rachel is scheduled to attend the July 19, 2022, meeting of the Special Districts Association (SDA) of Monterey County.
 - President White and Director Townsend are scheduled to attend the Reclamation Management Committee meeting on November 8, 2022.
 - Director Siegfried mentioned an application (app) from Facebook called “NeuralProphet” which may be useful for the District to use. Staff will follow up on this app and its properties.
 - Director Siegfried also mentioned a new process used to create hydrogen from methane created by Levidian Nanosystems Limited.

28. ADJOURNMENT

There being no further business to come before the Board, the President adjourned the meeting at 10:10 a.m. The next Regular Meeting will be held at 9:00 a.m., Thursday, June 30, 2022, or an alternate acceptable date, via teleconference webinar.

As Reported To:

Domine Barringer, Secretary to the Board

APPROVED:

Ken White, President



HAYASHI | WAYLAND

INDEPENDENT ACCOUNTANTS' REPORT

June 17, 2022

To the Board of Directors
Carmel Area Wastewater District

We have performed the procedures enumerated below, which were agreed to by Carmel Area Wastewater District (CAWD), solely to assist you in connection with a determination as to whether there were differences in the Company's recorded cash disbursements and recorded cash receipts for the month of May 2022. CAWD is responsible for its cash disbursements and cash receipts records. This agreed-upon procedures engagement was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. The sufficiency of these procedures is solely the responsibility of those parties specified in this report. Consequently, we make no representation regarding the sufficiency of the procedures described below either for the purpose for which this report has been requested or for any other purpose.

We have completed our review of your bank reconciliations for the Monterey County checking account, the Chase Bank O&M account and the Chase Bank payroll account. This service is limited in scope and is neither designed nor intended to deter or discover fraud, embezzlements or any other irregularities.

The procedures we performed and the associated findings are as follows:

- (1) We reviewed individual checks (or electronic images of individual checks or substitute checks). This procedure did not reveal any significant differences.
- (2) We examined the signatures on each check and compared them to a copy of the signature card on file with your bank to determine if the correct authorized people have signed the checks (we are not handwriting or forgery experts). This procedure revealed a missing second signature for check 3041.
- (3) We examined the payee on the check and matched it to the payee name appearing in your cash disbursements journal. This procedure did not reveal any differences.
- (4) We matched interbank account transfers. This procedure did not reveal any differences.



We were not engaged to and did not conduct an audit, the objective of which would be the expression of an opinion on the cash disbursements records or cash receipts records, accordingly, we do not express such an opinion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

This report is intended solely for the information and use of the Board of Directors of Carmel Area Wastewater District, and is not intended to be and should not be used by anyone other than these specified parties.



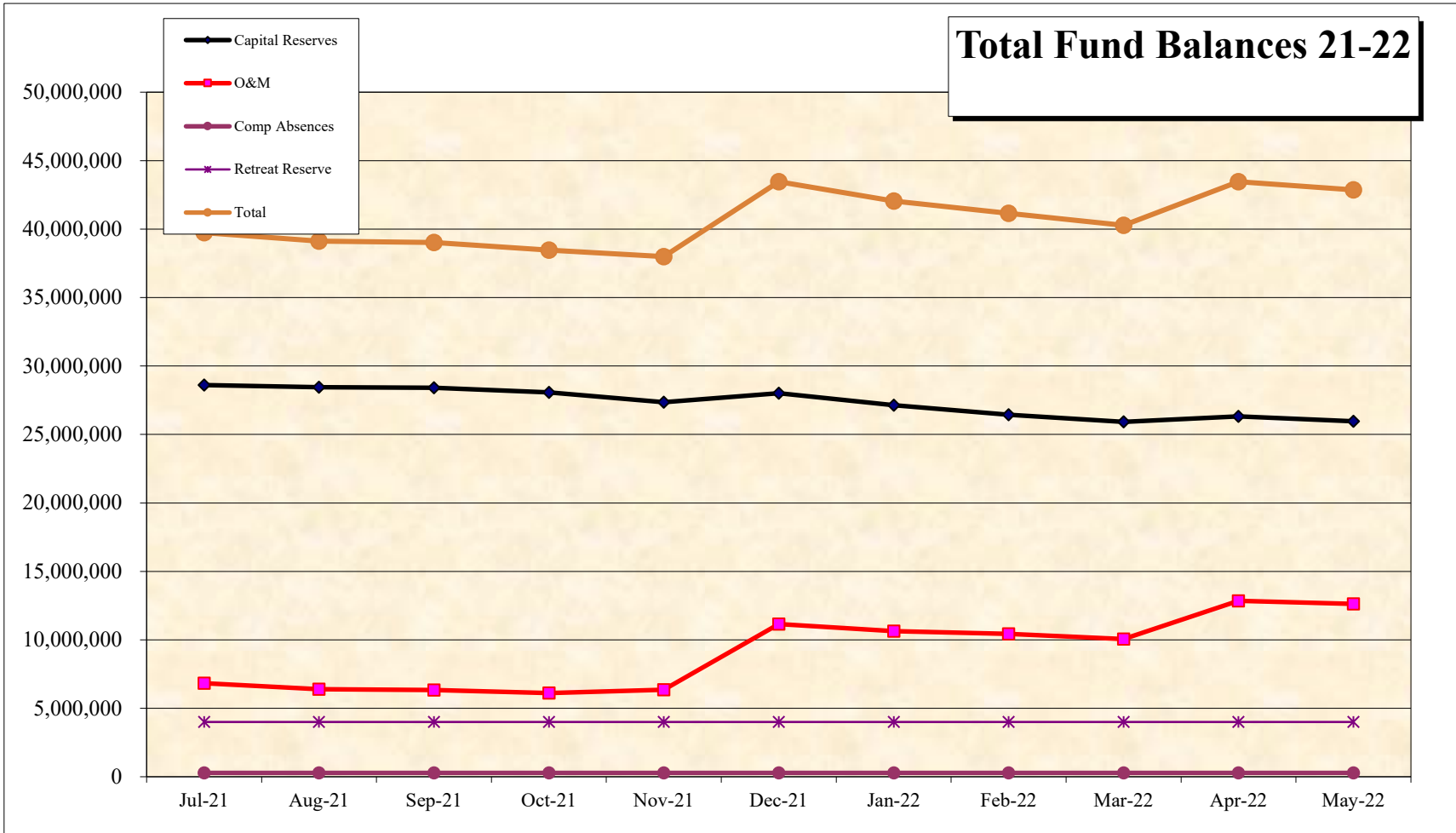
Robert Lee, CPA
Partner
Hayashi Wayland

Cc: Mr. Ken White, President

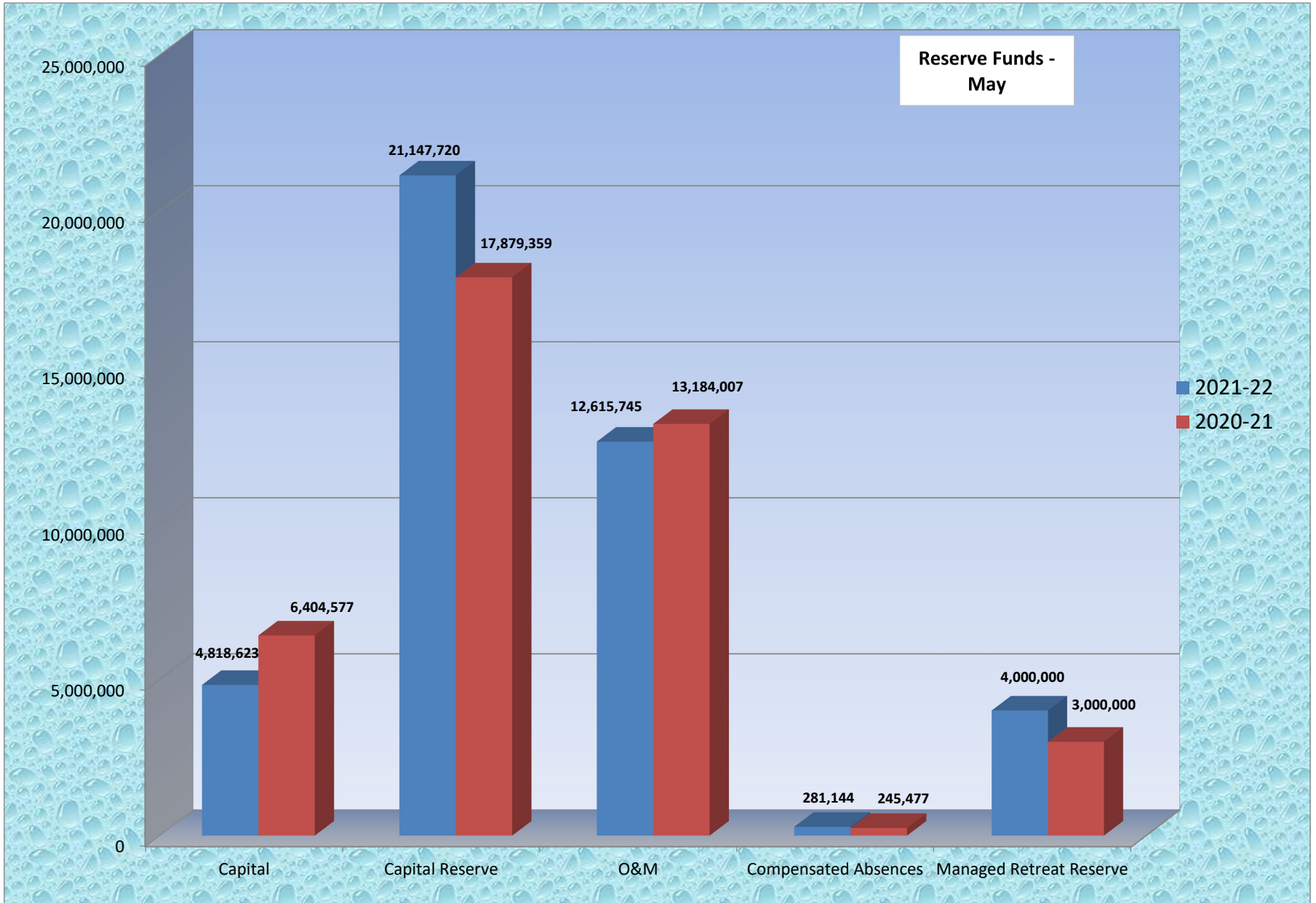


Carmel Area Wastewater District
Schedule of Cash Receipts and Disbursements - MAY 2022

	Capital Fund	Capital Improvement Reserve	General O & M Fund	Compensated Accruals Reserve	Defend or Managed Retreat Reserve	COUNTY Total Fund Balance	Chase Bank O & M Balance	Chase Bank PR Balance	L.A.I.F. Balance
BALANCE BEGINNING OF MONTH	\$5,180,584	\$21,142,110	\$12,849,080	\$281,144	\$4,000,000	\$43,452,918	\$345,626	\$5,890	\$1,198,228
Receipts:									
User Fees			4,704				1,750		
Property Taxes		5,610							
PBCSD Treatment Fees							115,000		
Reclamation O & M reimbursement							87,483		
Reclamation capital billing									
Permits							5,775		
PBCSD capital billing									
Other misc. revenue							8,280		
Interest income									
Connection Fees							27,456		
CCLEAN receipts							111,500		
CRFree Project grant funds									
Sale of dump truck									
Hatton Canyon Grant Funds									
Void checks-replace lost check							94		
Total Receipts	0	5,610	4,704	0	0	10,314	357,339	0	0
Fund Transfers:									
Transfers to Chase Bank O&M	(361,961)		(238,039)				600,000		
Transfers to Chase Bank PR							(240,000)	240,000	
Transfer to Defend or Managed Retreat Fund									
Intra-fund transfers for capital expenditures									
Rebalance Capital and O&M Reserves									
Total Transfers	(361,961)	0	(238,039)	0	0	(600,000)	360,000	240,000	0
Disbursements:									
Operations and capital							667,402		
Payroll & payroll taxes								238,960	
Employee Dental reimbursements							3,528		
CALPERS EFT							36,003		
CAWD SAM pension EFT							0		
CAWD pension loans EFT							587		
Home Depot EFT							339		
US Bank EFT							18,474		
Deferred comp contributions EFT							14,065	0	
PEHP contributions EFT							3,258	0	
Bank/ADP fees							0	830	
Highlands Bond Debt Service Payment									
Annual County admin billing fee									
Wage garnishment payment									
GASB 68 report fee & SSA 218 fee									
Total Disbursements	0	0	0	0	0	0	743,656	239,790	0
BALANCE END OF MONTH	4,818,623	21,147,720	12,615,745	281,144	4,000,000	42,863,232	319,309	6,100	1,198,228



Capital Reserve + O&M + O&M Reserve + Compensated Absences Reserve = Total Fund held in County



Carmel Area Wastewater District
Disbursements
May-22

Date	Check	Vendor	Description	Amount
05/02/22	2927	Acme Analytical Solutions	Acetic acid and potassium iodate solution	538.77
05/02/22	2928	Amazon Capital Services	Office and operating supplies	325.27
05/02/22	2929	American Fidelity Assurance Company	Flex accounts	163.55
05/02/22	2930	AT&T Mobility	SCADA text modem	59.92
05/02/22	2931	AT&T CALNET 3	Admin and Plant alarms	74.55
05/02/22	2932	AT&T	IP card and Plant fiber router	718.97
05/02/22	2933	Barry Blevins	CWEA conference expenses	107.56
05/02/22	2934	Barbara Buikema	Special Districts Association quarterly dinner and office supplies	84.30
05/02/22	2935	Biobot Analytics	Influent sample testing	1,400.00
05/02/22	2936	Brenner Fiedler & Associates	MK7840 repair kit	306.21
05/02/22	2937	CAL FIRE	Easement clearings	1,134.70
05/02/22	2938	Charles DayEngel	Dental	283.00
05/02/22	2939	Cintas Corporation #63D	Laundry service and work boots	984.85
05/02/22	2940	Clark Pest Control	Plant service	279.00
05/02/22	2941	Comcast	Admin internet	250.32
05/02/22	2942	Culligan Water Conditioning	C&I exchange service for the lab	17.35
05/02/22	2943	Daryl Lauer	Employee certification test	195.00
05/02/22	2944	Direct TV	Plant service	93.99
05/02/22	2945	DMV Renewal	2002 utility trailer five year renewal	10.00
05/02/22	2946	Domine Barringer	Board retreat food	90.45
05/02/22	2947	Edges Electrical	Electrical supplies	47.21
05/02/22	2948	Edward Waggoner	Dental	200.00
05/02/22	2949	Equitable Financial Life Insurance	Life insurance, long-term and short-term disability premiums	2,647.33
05/02/22	2950	Fanny Mui	CWEA conference expenses	436.43
05/02/22	2951	Fas Trak Invoice Processing	CWEA conference bridge toll	7.00
05/02/22	2952	FedEx	Shipping samples to FGL	19.90
05/02/22	2953	First Alarm	Plant service	427.65
05/02/22	2954	Fisher Scientific	Lab supplies	1,233.72
05/02/22	2955	Got.Net	Domain parking	4.20
05/02/22	2956	Grainger	Small tools and lab supplies	224.41
05/02/22	2957	Hach Company	Lab turbidimeter and supplies	1,686.04
05/02/22	2958	ICONIX Waterworks	Sewer line parts	3,519.78
05/02/22	2959	Image Source	Plant copier	69.65
05/02/22	2960	Jack Doheny Companies	Replace tractor lift cable	1,758.86
05/02/22	2961	Karla Cristi	Dental	200.09

Carmel Area Wastewater District
Disbursements
May-22

Date	Check	Vendor	Description	Amount
05/02/22	2962	Michael Rachel	Dental	280.00
05/02/22	2963	Mission Communications	Annual service for manhole monitoring	3,832.20
05/02/22	2964	MNS Engineers	Upper Rancho Canada Pipe Relocation Project #19-13 and Scenic Rd Pipe Bursting Project #20-08 (CAPITAL)	27,258.19
05/02/22	2965	Monterey Bay Analytical Services	Sample analysis	480.00
05/02/22	2966	Municipal Maintenance Equipment	Omnibus joystick for vehicle	2,027.75
05/02/22	2967	Patelco Credit Union	Health savings accounts contributions	6,247.88
05/02/22	2968	Peninsula Welding & Medical Supply	Non-liquid cylinder rentals	77.40
05/02/22	2969	Pacific Gas & Electric	Co-gen power billing	419.13
05/02/22	2970	P S O M A S	Upper Rancho Canada Pipe Relocation Project #19-13 (CAPITAL)	4,330.00
05/02/22	2971	Pure Water	Monthly admin and Plant service	151.75
05/02/22	2972	Quill LLC	Office supplies	133.57
05/02/22	2973	Robert Siegfried	Dental	220.00
05/02/22	2974	Trevor Weidner-Holland	Dental	151.00
05/02/22	2975	Vision Service Plan	Vision insurance premium	617.40
05/02/22	2976	Wellington Law Offices	District legal services	2,471.00
05/12/22	2977	McMaster-Carr	Operating supplies	388.75
05/13/22	2978	Acme Analytical Solutions	Phenylarsine oxide	2,498.80
05/13/22	2979	Amazon Capital Services	Small tools and operating supplies	456.77
05/13/22	2980	American Fidelity Assurance Company	Flex accounts	163.55
05/13/22	2981	American Fidelity Assurance	Employee insurance premiums	586.16
05/13/22	2982	American Legal Publishing Corp.	Progress billing #2 for the Codification of Ordinances	2,722.84
05/13/22	2983	AT&T CALNET 3	Plant fiber	587.69
05/13/22	2984	Automated Valve & Control	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL)	161.63
05/13/22	2985	BCV Systems, LLC	Blower MCP programming	29,847.00
05/13/22	2986	Beth Ingram	HR services	5,175.00
05/13/22	2987	Biobot Analytics	Influent sample testing	1,750.00
05/13/22	2988	Brenner Fiedler & Associates	Catalyst module	1,545.32
05/13/22	2989	Bryan Mailey Electric	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL \$4,900.00) and various Plant repairs	9,450.00
05/13/22	2990	Buckles-Smith Electric	Electrical supplies	5,993.73
05/13/22	2991	Cal-Am Water	Monthly service	927.20
05/13/22	2992	CAWD\PBSCD Reclamation Project	Reimbursement for tertiary lab PG&E	629.37
05/13/22	2993	Charlotte Townsend	Dental	121.00
05/13/22	2994	Cintas Corporation #63D	Laundry service	782.78

Carmel Area Wastewater District
Disbursements
May-22

Date	Check	Vendor	Description	Amount
05/13/22	2995	Clark Bros., Inc.	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL), Progress payment #7	171,955.28
05/13/22	2996	Community Printers, Inc.	Spring/Summer newsletter	2,763.34
05/13/22	2997	Comcast	Pump station internet	537.35
05/13/22	2998	Currie Engineers	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL)	40,764.05
05/13/22	2999	Edges Electrical	Microturbine/Gas Conditioning System Project #18-11 (CAPITAL \$2,478.58) and electrical supplies	4,656.34
05/13/22	3000	EMC Planning Group	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL)	3,657.14
05/13/22	3001	Fastenal Company	Safety and operating supplies	3,145.04
05/13/22	3002	Fisher Scientific	Lab supplies	240.09
05/13/22	3003	General Air Compressors North	Microturbine/Gas Conditioning System Project #18-11 (CAPITAL)	25,842.37
05/13/22	3004	GLS US	Shipping samples to FGL	100.25
05/13/22	3005	Grainger	Operating supplies	1,438.07
05/13/22	3006	Gregory Ange	Dental	285.00
05/13/22	3007	Harrington Industrial Plastics	Spring check valve and couplings	94.46
05/13/22	3008	Hayashi & Wayland Accounting	Bank reconciliation oversight	450.00
05/13/22	3009	Hunter & Jennifer Leighton	User fee refund	73.13
05/13/22	3010	ICON Cloud Solutions	Telephone service	587.50
05/13/22	3011	Idexx Laboratories	Lab supplies	458.02
05/13/22	3012	Kennedy/Jenks Consultants	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL)	9,691.50
05/13/22	3013	Lemos Service Inc.	Propane and truck oil change	303.06
05/13/22	3014	Liberty Composting	Sludge hauling	5,858.32
05/13/22	3015	Mission Communications	Manhole monitoring floats	4,962.98
05/13/22	3016	Monterey County Clerk	Carmel Meadows Gravity Sewer Project #19-03 (CAPITAL), Notice of Determination CDFW fee	2,598.00
05/13/22	3017	Napa Auto Parts	Fuel and oil filters and fluid evacuator	630.18
05/13/22	3018	Pacific Crest Engineering	Pipeline Spot Repair Project #21-02	545.00
05/13/22	3019	Pacific Gas & Electric	Monthly service	40,610.27
05/13/22	3020	Quill LLC	Office supplies	275.51
05/13/22	3021	Rincon Consultants	Upper Rancho Canada Pipe Relocation Project #19-13 (CAPITAL)	17,494.40
05/13/22	3022	Rooter King of Monterey County	Pipeline Spot Repair Project #21-02 (CAPITAL \$42,325.38)	133,855.00
05/13/22	3023	SemiTorr Group	Low pressure manual drip trap	2,350.09
05/13/22	3024	Smitty's Janitorial	Monthly service	1,110.00
05/13/22	3025	Streamline	Website maintenance	400.00
05/13/22	3026	Trowbridge Enterprises	Office chair	431.43

Carmel Area Wastewater District
Disbursements
May-22

Date	Check	Vendor	Description	Amount
05/13/22	3027	Univar Solutions USA Inc.	Sodium bisulfate and hypochlorite	11,523.50
05/13/22	3028	Vincent Sandoval	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL), OCEN approved tribal monitor	2,072.36
05/13/22	3029	WM Corporate Service	Plant rolloffs and admin garbage	1,465.20
05/19/22	3030	Allied Fluid Products	Plug valve and gasket	474.81
05/19/22	3031	Amazon Capital Services	Safety supplies and small tools	176.20
05/19/22	3032	Associated Flow Controls	Float and thermostatic steam trap gasket kit	239.35
05/19/22	3033	AT&T Mobility	Cell service	668.86
05/19/22	3034	AT&T	Voice routing	48.98
05/19/22	3035	Beth Ingram	October HR services	5,325.00
05/19/22	3036	Bryan Mailey Electric	Microturbine/Gas Conditioning System Project #18-11 (CAPITAL \$6,370.00) and various Plant repairs	9,100.00
05/19/22	3037	Charles DayEngel	Dental	760.00
05/19/22	3038	Cintas Corporation #63D	Laundry service	403.98
05/19/22	3039	Comcast	Admin internet	250.32
05/19/22	3040	Datco Services	Employee controlled substance tests	109.00
05/19/22	3041	Edges Electrical	Microturbine/Gas Conditioning System Project #18-11 (CAPITAL)	61.79
05/19/22	3042	Grainger	Office dehumidifiers with drain pumps and irrigation timer	1,660.02
05/19/22	3043	Harrington Industrial Plastics	Spring check valve	131.37
05/19/22	3044	Image Source	Plant copier	64.84
05/19/22	3045	Karla Cristi	Dental	853.00
05/19/22	3046	Mathews Mechanical	Two techs for one week working on various Plant jobs	15,549.37
05/19/22	3047	McMaster-Carr	Stainless steel pipe fittings and on/off valve	198.59
05/19/22	3048	Mission Communications	Ten opti-floats for pump station and manhole monitoring	970.00
05/19/22	3049	Municipal Maintenance Equipment	Vaccon service	1,995.42
05/19/22	3050	Napa Auto Parts	Hi power V-Belt	42.15
05/19/22	3051	PK Safety Supply	Hydrogen sulfide sensors and gas cylinder	880.32
05/19/22	3052	Quill LLC	Office supplies	120.63
05/19/22	3053	Robert Siegfried	Dental	175.00
05/19/22	3054	Toro Petroleum	Mobil SHC grease	104.86
05/19/22	3055	Town & Country Gardening	Plant and admin service	650.00
05/19/22	3056	Weco Industries	1,000' sewer hose and wooden reel and swivel reels	4,456.68
05/24/22	3057	Petty cash-CAWD	Replenish petty cash	150.81
				670,930.47

CAWD/PBCSD Reclamation Project
Disbursements
May-22

Date	Check	Vendor	Description	Amount
05/02/22	608	Acme Analytical Solutions	Acetic acid and potassium iodate solution	232.15
05/02/22	609	Brenner Fiedler & Associates	MK7840 repair kit	306.20
05/02/22	610	Carmel Area Wastewater District	Sodium bisulfate and hypochlorite	20,827.23
05/02/22	611	Fisher Scientific	Lab supplies	1,024.59
05/02/22	612	Hach Company	Lab supplies	2,073.54
05/02/22	613	Harrington Industrial Plastics	Sulfuric Acid Tank Project #18-26 saddle clamps (CAPITAL \$123.17)	353.22
05/02/22	614	Moody's Investors Service	Letter of credit annual fee	5,000.00
05/02/22	615	Myron L Company	Annual service and circuit board cleaning	178.84
05/02/22	616	Pebble Beach Company	Bond principal and interest, letter of credit fees current and past and project rep costs	263,604.07
05/02/22	617	Trussell Technologies	MF/RO Ops Support project NPDES permit renewal	2,110.00
05/13/22	618	Acme Analytical Solutions	Phenylarsine oxide	177.15
05/13/22	619	Brenntag Pacific	Ammonium hydroxide	3,895.76
05/13/22	620	Brenner Fiedler & Associates	Catalyst module	1,545.32
05/13/22	621	Bryan Mailey Electric	Repair MF feed sampler breaker at tertiary	140.00
05/13/22	622	Buckles-Smith Electric	Repair Eaton 100hp VFD	7,417.51
05/13/22	623	Cal-Am Water	Hydrant Meter K monthly service	2,785.53
05/13/22	624	Carmel Area Wastewater District	Reimbursement for Plant O&M	66,655.94
05/13/22	625	Fisher Scientific	Lab supplies	616.63
05/13/22	626	G3 Engineering	Motor overload protector	1,223.44
05/13/22	627	Grainger	Cleaning vinegar for KOH neutralization	68.54
05/13/22	628	Harrington Industrial Plastics	PVC SCH80 couplings	26.27
05/13/22	629	Monterey Bay Analytical	RO panel sample analysis	1,431.00
05/13/22	630	Pebble Beach Community Services District	Reimbursement for O&M	31,816.73
05/13/22	631	Pacific Gas & Electric	Tertiary billing	15,648.90
05/13/22	632	Thatcher Company of California	Sulfuric acid and container returns	1,472.22
05/19/22	633	Allied Fluid Products	Ball valve sockets, electric acuator and backing rings	4,685.40
05/19/22	634	Bryan Mailey Electric	RO train C wiring inputs and outputs	210.00
05/19/22	635	Harrington Industrial Plastics	Back pressure relief valves	2,662.75
05/19/22	636	Pacific Gas & Electric	MF/RO billing	18,367.65
				456,556.58



**Financial Statements
and
Supplementary Schedules**

May 2022

June 30, 2022

Carmel Area Wastewater District

Balance Sheet

May 2022

ASSETS		
Current Assets		
Cash		
Cash	44,386,869.46	
TOTAL Cash	44,386,869.46	
Other Current Assets		
Other Current Assets	175,511.53	
TOTAL Other Current Assets	175,511.53	
TOTAL Current Assets		44,562,380.99
Fixed Assets		
Land		
Land	308,059.76	
TOTAL Land	308,059.76	
Treatment Structures		
Treatment Structures	70,358,452.24	
TOTAL Treatment Structures	70,358,452.24	
Treatment Equipment		
Treatment Equipment	8,730,143.38	
TOTAL Treatment Equipment	8,730,143.38	
Collection Structures		
Collection Structures	1,238,843.71	
TOTAL Collection Structures	1,238,843.71	
Collection Equipment		
Collection Equipment	1,509,600.36	
TOTAL Collection Equipment	1,509,600.36	
Sewers		
		13,423,088.18
Disposal Facilities		
Disposal Facilities	1,643,890.85	
TOTAL Disposal Facilities	1,643,890.85	
Other Fixed Assets		
Other Fixed Assets	4,504,051.96	
TOTAL Other Fixed Assets	4,504,051.96	
Capital Improvement Projects		
Capital Improvement Projects	6,896,315.57	
TOTAL Capital Improvement Projects	6,896,315.57	
Accumulated depreciation		
		(53,892,952.22)
TOTAL Fixed Assets		54,719,493.79
Other Assets		
Other Assets	2,513,431.64	
TOTAL Other Assets		2,513,431.64
TOTAL ASSETS		101,795,306.42

Carmel Area Wastewater District

Balance Sheet

May 2022

LIABILITIES			
Current Liabilities			
Current Liabilities	647,258.10		
TOTAL Current Liabilities		647,258.10	647,258.10
Long-Term Liabilities			
Long Term Liabilities	594,776.25		
TOTAL Long-Term Liabilities		594,776.25	
TOTAL LIABILITIES			1,242,034.35
NET POSITION			
Net Assets	93,156,112.81		
Year-to-Date Earnings	7,397,159.26		
TOTAL NET POSITION			100,553,272.07
TOTAL LIABILITIES & NET POSITION			101,795,306.42

Carmel Area Wastewater District
Budgeted Income Statement
Year-to-Date Variance, May 2022 - current month, Consolidated by account

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
Income				
Revenue	11,157,487.31	10,566,557.13	590,930.18	5.6 %
TOTAL Income	<u>11,157,487.31</u>	<u>10,566,557.13</u>	<u>590,930.18</u>	5.6 %
Adjustments				
Discounts	774.93	0.00	774.93	
TOTAL Adjustments	<u>774.93</u>	<u>0.00</u>	<u>774.93</u>	
*****	<u>11,158,262.24</u>	<u>10,566,557.13</u>	<u>591,705.11</u>	5.6 %
***** OPERATING INCOME	<u>11,158,262.24</u>	<u>10,566,557.13</u>	<u>591,705.11</u>	5.6 %
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	3,325,563.10	3,213,268.95	(112,294.15)	-3.5 %
TOTAL Salaries and Payroll Taxes	<u>3,325,563.10</u>	<u>3,213,268.95</u>	<u>(112,294.15)</u>	-3.5 %
Employee Benefits				
Employee Benefits	580,618.38	866,785.63	286,167.25	33.0 %
TOTAL Employee Benefits	<u>580,618.38</u>	<u>866,785.63</u>	<u>286,167.25</u>	33.0 %
Director's Expenses				
Director's Expenses	20,467.64	31,375.00	10,907.36	34.8 %
TOTAL Director's Expenses	<u>20,467.64</u>	<u>31,375.00</u>	<u>10,907.36</u>	34.8 %
Truck and Auto Expenses				
Truck and Auto Expenses	81,067.94	54,817.23	(26,250.71)	-47.9 %
TOTAL Truck and Auto Expenses	<u>81,067.94</u>	<u>54,817.23</u>	<u>(26,250.71)</u>	-47.9 %
General and Administrative				
General and Administrative	307,821.60	663,705.00	355,883.40	53.6 %
TOTAL General and Administrative	<u>307,821.60</u>	<u>663,705.00</u>	<u>355,883.40</u>	53.6 %
Office Expense				
Office Expense	43,836.76	50,693.64	6,856.88	13.5 %
TOTAL Office Expense	<u>43,836.76</u>	<u>50,693.64</u>	<u>6,856.88</u>	13.5 %
Operating Supplies				
Operating Supplies	385,519.50	449,526.22	64,006.72	14.2 %
TOTAL Operating Supplies	<u>385,519.50</u>	<u>449,526.22</u>	<u>64,006.72</u>	14.2 %
Contract Services				
Contract Services	849,973.44	1,171,759.58	321,786.14	27.5 %
TOTAL Contract Services	<u>849,973.44</u>	<u>1,171,759.58</u>	<u>321,786.14</u>	27.5 %

Carmel Area Wastewater District
Budgeted Income Statement
Year-to-Date Variance, May 2022 - current month, Consolidated by account

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
Repairs and Maintenance				
Repairs and Maintenance	375,101.70	694,687.50	319,585.80	46.0 %
TOTAL Repairs and Maintenance	375,101.70	694,687.50	319,585.80	46.0 %
Utilities				
Utilities	339,290.76	422,645.63	83,354.87	19.7 %
TOTAL Utilities	339,290.76	422,645.63	83,354.87	19.7 %
Travel and Meetings				
Travel and Meetings	16,219.28	50,357.01	34,137.73	67.8 %
TOTAL Travel and Meetings	16,219.28	50,357.01	34,137.73	67.8 %
Permits and Fees				
Permits and Fees	54,432.00	73,850.00	19,418.00	26.3 %
TOTAL Permits and Fees	54,432.00	73,850.00	19,418.00	26.3 %
Memberships and Subscriptions				
Memberships and Subscriptions	32,006.02	39,911.63	7,905.61	19.8 %
TOTAL Memberships and Subscriptions	32,006.02	39,911.63	7,905.61	19.8 %
Safety				
Safety	54,718.25	47,225.98	(7,492.27)	-15.9 %
TOTAL Safety	54,718.25	47,225.98	(7,492.27)	-15.9 %
Other Expenses				
Other Expense	47,853.21	38,125.11	(9,728.10)	-25.5 %
TOTAL Other Expenses	47,853.21	38,125.11	(9,728.10)	-25.5 %
TOTAL Operating Expenses	6,514,489.58	7,868,734.11	1,354,244.53	17.2 %
***** OPERATING INCOME (LOSS)	4,643,772.66	2,697,823.02	1,945,949.64	72.1 %
Non-op Income, Expense, Gain or Loss				
Other Income or Gain				
Other Income, Gain, Expense and Loss	2,753,386.60	2,406,475.00	346,911.60	14.4 %
TOTAL Other Income or Gain	2,753,386.60	2,406,475.00	346,911.60	14.4 %
TOTAL Non-op Income, Expense, Gain or Loss	2,753,386.60	2,406,475.00	346,911.60	14.4 %
***** NET INCOME (LOSS)	7,397,159.26	5,104,298.02	2,292,861.24	44.9 %
***** NET INCOME (LOSS)	7,397,159.26	5,104,298.02	2,292,861.24	44.9 %

Carmel Area Wastewater District
Budgeted Operating Exps.-Maintenance
*Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 4*

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
*****	0.00	0.00	0.00	
***** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	472,315.26	484,780.67	12,465.41	2.6 %
TOTAL Salaries and Payroll Taxes	472,315.26	484,780.67	12,465.41	2.6 %
Employee Benefits				
Employee Benefits	109,070.00	150,480.91	41,410.91	27.5 %
TOTAL Employee Benefits	109,070.00	150,480.91	41,410.91	27.5 %
Truck and Auto Expenses				
Truck and Auto Expenses	1,529.76	7,635.87	6,106.11	80.0 %
TOTAL Truck and Auto Expenses	1,529.76	7,635.87	6,106.11	80.0 %
General and Administrative				
General and Administrative	30,346.81	40,416.63	10,069.82	24.9 %
TOTAL General and Administrative	30,346.81	40,416.63	10,069.82	24.9 %
Office Expense				
Office Expense	3,831.44	2,062.50	(1,768.94)	-85.8 %
TOTAL Office Expense	3,831.44	2,062.50	(1,768.94)	-85.8 %
Operating Supplies				
Operating Supplies	48,125.62	52,525.22	4,399.60	8.4 %
TOTAL Operating Supplies	48,125.62	52,525.22	4,399.60	8.4 %
Contract Services				
Contract Services	392,505.18	561,941.74	169,436.56	30.2 %
TOTAL Contract Services	392,505.18	561,941.74	169,436.56	30.2 %
Repairs and Maintenance				
Repairs and Maintenance	164,305.66	208,083.26	43,777.60	21.0 %
TOTAL Repairs and Maintenance	164,305.66	208,083.26	43,777.60	21.0 %
Utilities				
Utilities	4,035.91	4,308.37	272.46	6.3 %
TOTAL Utilities	4,035.91	4,308.37	272.46	6.3 %
Travel and Meetings				
Travel and Meetings	1,089.34	5,866.63	4,777.29	81.4 %

Carmel Area Wastewater District
Budgeted Operating Exps.-Maintenance
Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 4

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
TOTAL Travel and Meetings	1,089.34	5,866.63	4,777.29	81.4 %
Permits and Fees				
<i>Permits and Fees</i>	4,531.00	3,500.00	(1,031.00)	-29.5 %
TOTAL Permits and Fees	4,531.00	3,500.00	(1,031.00)	-29.5 %
Memberships and Subscriptions				
<i>Memberships and Subscriptions</i>	2,391.50	4,600.00	2,208.50	48.0 %
TOTAL Memberships and Subscriptions	2,391.50	4,600.00	2,208.50	48.0 %
Safety				
<i>Safety</i>	37,906.55	30,200.11	(7,706.44)	-25.5 %
TOTAL Safety	37,906.55	30,200.11	(7,706.44)	-25.5 %
Other Expenses				
<i>Other Expense</i>	5,707.40	0.00	(5,707.40)	
TOTAL Other Expenses	5,707.40	0.00	(5,707.40)	
TOTAL Operating Expenses	1,277,691.43	1,556,401.91	278,710.48	17.9 %
***** OPERATING INCOME (LOSS)	(1,277,691.43)	(1,556,401.91)	278,710.48	17.9 %
***** NET INCOME (LOSS)	(1,277,691.43)	(1,556,401.91)	278,710.48	17.9 %
***** NET INCOME (LOSS)	(1,277,691.43)	(1,556,401.91)	278,710.48	17.9 %

Carmel Area Wastewater District
Budgeted Operating Exps.-Collections
*Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 5*

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
*****	0.00	0.00	0.00	
***** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	593,528.95	559,662.48	(33,866.47)	-6.1 %
TOTAL Salaries and Payroll Taxes	593,528.95	559,662.48	(33,866.47)	-6.1 %
Employee Benefits				
Employee Benefits	156,074.62	183,536.02	27,461.40	15.0 %
TOTAL Employee Benefits	156,074.62	183,536.02	27,461.40	15.0 %
Truck and Auto Expenses				
Truck and Auto Expenses	77,409.52	43,379.24	(34,030.28)	-78.4 %
TOTAL Truck and Auto Expenses	77,409.52	43,379.24	(34,030.28)	-78.4 %
General and Administrative				
General and Administrative	46,922.50	83,333.37	36,410.87	43.7 %
TOTAL General and Administrative	46,922.50	83,333.37	36,410.87	43.7 %
Office Expense				
Office Expense	9,704.52	8,616.63	(1,087.89)	-12.6 %
TOTAL Office Expense	9,704.52	8,616.63	(1,087.89)	-12.6 %
Operating Supplies				
Operating Supplies	37,053.49	35,933.26	(1,120.23)	-3.1 %
TOTAL Operating Supplies	37,053.49	35,933.26	(1,120.23)	-3.1 %
Contract Services				
Contract Services	146,361.07	168,375.00	22,013.93	13.1 %
TOTAL Contract Services	146,361.07	168,375.00	22,013.93	13.1 %
Repairs and Maintenance				
Repairs and Maintenance	183,721.88	407,541.74	223,819.86	54.9 %
TOTAL Repairs and Maintenance	183,721.88	407,541.74	223,819.86	54.9 %
Utilities				
Utilities	35,743.78	42,441.63	6,697.85	15.8 %
TOTAL Utilities	35,743.78	42,441.63	6,697.85	15.8 %
Travel and Meetings				
Travel and Meetings	4,526.30	15,037.88	10,511.58	69.9 %

Carmel Area Wastewater District
Budgeted Operating Exps.-Collections
Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 5

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
TOTAL Travel and Meetings	4,526.30	15,037.88	10,511.58	69.9 %
Permits and Fees				
Permits and Fees	6,950.00	6,150.00	(800.00)	-13.0 %
TOTAL Permits and Fees	6,950.00	6,150.00	(800.00)	-13.0 %
Memberships and Subscriptions				
Memberships and Subscriptions	2,861.34	3,998.37	1,137.03	28.4 %
TOTAL Memberships and Subscriptions	2,861.34	3,998.37	1,137.03	28.4 %
Safety				
Safety	15,391.13	14,075.87	(1,315.26)	-9.3 %
TOTAL Safety	15,391.13	14,075.87	(1,315.26)	-9.3 %
Other Expenses				
Other Expense	843.40	458.37	(385.03)	-84.0 %
TOTAL Other Expenses	843.40	458.37	(385.03)	-84.0 %
TOTAL Operating Expenses	1,317,092.50	1,572,539.86	255,447.36	16.2 %
***** OPERATING INCOME (LOSS)	(1,317,092.50)	(1,572,539.86)	255,447.36	16.2 %
***** NET INCOME (LOSS)	(1,317,092.50)	(1,572,539.86)	255,447.36	16.2 %
***** NET INCOME (LOSS)	(1,317,092.50)	(1,572,539.86)	255,447.36	16.2 %

Carmel Area Wastewater District
Budgeted Operating Exps.-Treatment
*Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 6*

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
*****	0.00	0.00	0.00	
***** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	1,066,261.60	1,053,041.59	(13,220.01)	-1.3 %
TOTAL Salaries and Payroll Taxes	1,066,261.60	1,053,041.59	(13,220.01)	-1.3 %
Employee Benefits				
Employee Benefits	213,593.65	401,036.82	187,443.17	46.7 %
TOTAL Employee Benefits	213,593.65	401,036.82	187,443.17	46.7 %
Truck and Auto Expenses				
Truck and Auto Expenses	1,667.52	1,600.00	(67.52)	-4.2 %
TOTAL Truck and Auto Expenses	1,667.52	1,600.00	(67.52)	-4.2 %
General and Administrative				
General and Administrative	120,985.04	411,583.37	290,598.33	70.6 %
TOTAL General and Administrative	120,985.04	411,583.37	290,598.33	70.6 %
Office Expense				
Office Expense	8,858.26	24,108.26	15,250.00	63.3 %
TOTAL Office Expense	8,858.26	24,108.26	15,250.00	63.3 %
Operating Supplies				
Operating Supplies	298,398.51	345,942.74	47,544.23	13.7 %
TOTAL Operating Supplies	298,398.51	345,942.74	47,544.23	13.7 %
Contract Services				
Contract Services	228,928.61	346,033.26	117,104.65	33.8 %
TOTAL Contract Services	228,928.61	346,033.26	117,104.65	33.8 %
Repairs and Maintenance				
Repairs and Maintenance	17,944.60	65,495.76	47,551.16	72.6 %
TOTAL Repairs and Maintenance	17,944.60	65,495.76	47,551.16	72.6 %
Utilities				
Utilities	277,396.32	354,749.89	77,353.57	21.8 %
TOTAL Utilities	277,396.32	354,749.89	77,353.57	21.8 %
Travel and Meetings				
Travel and Meetings	6,172.85	14,144.13	7,971.28	56.4 %

Carmel Area Wastewater District
Budgeted Operating Exps.-Treatment
*Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 6*

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
TOTAL Travel and Meetings	6,172.85	14,144.13	7,971.28	56.4 %
Permits and Fees				
Permits and Fees	23,733.00	35,000.00	11,267.00	32.2 %
TOTAL Permits and Fees	23,733.00	35,000.00	11,267.00	32.2 %
Memberships and Subscriptions				
Memberships and Subscriptions	3,025.13	6,125.76	3,100.63	50.6 %
TOTAL Memberships and Subscriptions	3,025.13	6,125.76	3,100.63	50.6 %
Safety				
Safety	185.00	0.00	(185.00)	
TOTAL Safety	185.00	0.00	(185.00)	
Other Expenses				
Other Expense	290.00	1,833.37	1,543.37	84.2 %
TOTAL Other Expenses	290.00	1,833.37	1,543.37	84.2 %
TOTAL Operating Expenses	2,267,440.09	3,060,694.95	793,254.86	25.9 %
***** OPERATING INCOME (LOSS)	(2,267,440.09)	(3,060,694.95)	793,254.86	25.9 %
***** NET INCOME (LOSS)	(2,267,440.09)	(3,060,694.95)	793,254.86	25.9 %
***** NET INCOME (LOSS)	(2,267,440.09)	(3,060,694.95)	793,254.86	25.9 %

Carmel Area Wastewater District
Budgeted Operating Exps.-Administration
*Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 7*

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
*****	0.00	0.00	0.00	
***** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	606,953.05	563,061.25	(43,891.80)	-7.8 %
TOTAL Salaries and Payroll Taxes	606,953.05	563,061.25	(43,891.80)	-7.8 %
Employee Benefits				
Employee Benefits	101,880.11	131,731.88	29,851.77	22.7 %
TOTAL Employee Benefits	101,880.11	131,731.88	29,851.77	22.7 %
Director's Expenses				
Director's Expenses	19,767.64	30,375.00	10,607.36	34.9 %
TOTAL Director's Expenses	19,767.64	30,375.00	10,607.36	34.9 %
Truck and Auto Expenses				
Truck and Auto Expenses	461.14	2,202.12	1,740.98	79.1 %
TOTAL Truck and Auto Expenses	461.14	2,202.12	1,740.98	79.1 %
General and Administrative				
General and Administrative	87,617.55	128,371.63	40,754.08	31.7 %
TOTAL General and Administrative	87,617.55	128,371.63	40,754.08	31.7 %
Office Expense				
Office Expense	21,418.75	15,883.37	(5,535.38)	-34.9 %
TOTAL Office Expense	21,418.75	15,883.37	(5,535.38)	-34.9 %
Operating Supplies				
Operating Supplies	1,206.72	1,650.00	443.28	26.9 %
TOTAL Operating Supplies	1,206.72	1,650.00	443.28	26.9 %
Contract Services				
Contract Services	81,155.84	95,409.58	14,253.74	14.9 %
TOTAL Contract Services	81,155.84	95,409.58	14,253.74	14.9 %
Repairs and Maintenance				
Repairs and Maintenance	1,369.77	4,583.37	3,213.60	70.1 %
TOTAL Repairs and Maintenance	1,369.77	4,583.37	3,213.60	70.1 %
Utilities				
Utilities	22,071.09	21,145.74	(925.35)	-4.4 %

Carmel Area Wastewater District
Budgeted Operating Exps.-Administration
Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 7

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
TOTAL Utilities	22,071.09	21,145.74	(925.35)	-4.4 %
Travel and Meetings				
Travel and Meetings	4,430.79	15,308.37	10,877.58	71.1 %
TOTAL Travel and Meetings	4,430.79	15,308.37	10,877.58	71.1 %
Permits and Fees				
Permits and Fees	19,218.00	22,000.00	2,782.00	12.6 %
TOTAL Permits and Fees	19,218.00	22,000.00	2,782.00	12.6 %
Memberships and Subscriptions				
Memberships and Subscriptions	23,728.05	25,187.50	1,459.45	5.8 %
TOTAL Memberships and Subscriptions	23,728.05	25,187.50	1,459.45	5.8 %
Safety				
Safety	861.83	1,575.00	713.17	45.3 %
TOTAL Safety	861.83	1,575.00	713.17	45.3 %
Other Expenses				
Other Expense	41,012.41	35,833.37	(5,179.04)	-14.5 %
TOTAL Other Expenses	41,012.41	35,833.37	(5,179.04)	-14.5 %
TOTAL Operating Expenses	1,033,152.74	1,094,318.18	61,165.44	5.6 %
***** OPERATING INCOME (LOSS)	(1,033,152.74)	(1,094,318.18)	61,165.44	5.6 %
***** NET INCOME (LOSS)	(1,033,152.74)	(1,094,318.18)	61,165.44	5.6 %
***** NET INCOME (LOSS)	(1,033,152.74)	(1,094,318.18)	61,165.44	5.6 %

Carmel Area Wastewater District
Budgeted Operating Exps.-Reclamation
Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 8

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
*****	0.00	0.00	0.00	
***** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	583,845.64	550,255.33	(33,590.31)	-6.1 %
TOTAL Salaries and Payroll Taxes	583,845.64	550,255.33	(33,590.31)	-6.1 %
Director's Expenses				
Director's Expenses	700.00	1,000.00	300.00	30.0 %
TOTAL Director's Expenses	700.00	1,000.00	300.00	30.0 %
General and Administrative				
General and Administrative	21,949.70	0.00	(21,949.70)	
TOTAL General and Administrative	21,949.70	0.00	(21,949.70)	
Office Expense				
Office Expense	23.79	0.00	(23.79)	
TOTAL Office Expense	23.79	0.00	(23.79)	
Operating Supplies				
Operating Supplies	735.16	7,791.63	7,056.47	90.6 %
TOTAL Operating Supplies	735.16	7,791.63	7,056.47	90.6 %
Contract Services				
Contract Services	1,022.74	0.00	(1,022.74)	
TOTAL Contract Services	1,022.74	0.00	(1,022.74)	
Repairs and Maintenance				
Repairs and Maintenance	5,873.65	3,941.63	(1,932.02)	-49.0 %
TOTAL Repairs and Maintenance	5,873.65	3,941.63	(1,932.02)	-49.0 %
Utilities				
Utilities	43.66	0.00	(43.66)	
TOTAL Utilities	43.66	0.00	(43.66)	
Safety				
Safety	373.74	1,375.00	1,001.26	72.8 %
TOTAL Safety	373.74	1,375.00	1,001.26	72.8 %
TOTAL Operating Expenses	614,568.08	564,363.59	(50,204.49)	-8.9 %

Carmel Area Wastewater District
Budgeted Operating Exps.-Reclamation
Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 8

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
***** OPERATING INCOME (LOSS)	(614,568.08)	(564,363.59)	(50,204.49)	-8.9 %
***** NET INCOME (LOSS)	(614,568.08)	(564,363.59)	(50,204.49)	-8.9 %
***** NET INCOME (LOSS)	(614,568.08)	(564,363.59)	(50,204.49)	-8.9 %

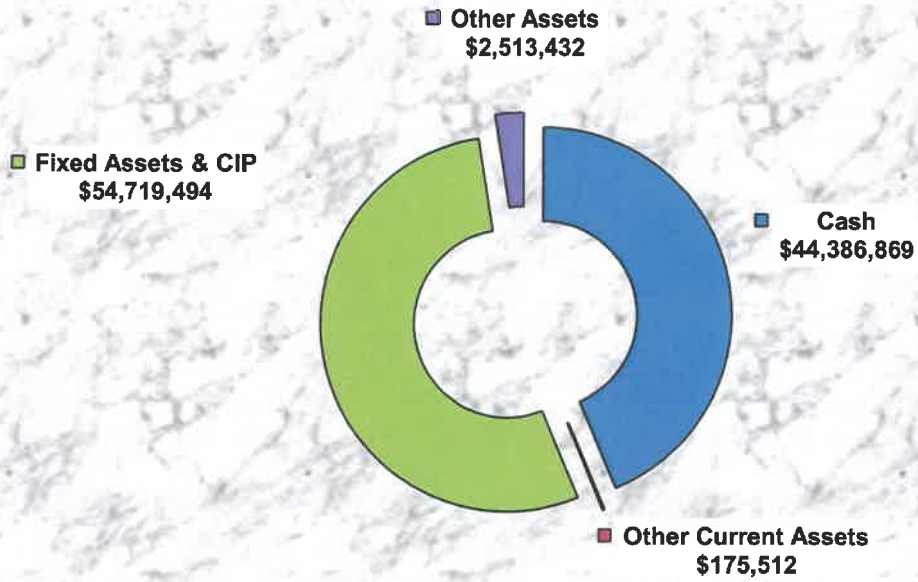
Carmel Area Wastewater District
Budgeted Income Stmt.-Waste to Energy
Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 9

	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
Income				
Revenue	2,211.20	4,583.37	(2,372.17)	-51.8 %
TOTAL Income	<u>2,211.20</u>	<u>4,583.37</u>	<u>(2,372.17)</u>	-51.8 %
*****	<u>2,211.20</u>	<u>4,583.37</u>	<u>(2,372.17)</u>	-51.8 %
***** OPERATING INCOME	<u>2,211.20</u>	<u>4,583.37</u>	<u>(2,372.17)</u>	-51.8 %
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	1,089.60	987.25	(102.35)	-10.4 %
TOTAL Salaries and Payroll Taxes	<u>1,089.60</u>	<u>987.25</u>	<u>(102.35)</u>	-10.4 %
Operating Supplies				
Operating Supplies	0.00	4,583.37	4,583.37	100.0 %
TOTAL Operating Supplies	<u>0.00</u>	<u>4,583.37</u>	<u>4,583.37</u>	100.0 %
Repairs and Maintenance				
Repairs and Maintenance	840.00	2,750.00	1,910.00	69.5 %
TOTAL Repairs and Maintenance	<u>840.00</u>	<u>2,750.00</u>	<u>1,910.00</u>	69.5 %
Permits and Fees				
Permits and Fees	0.00	7,200.00	7,200.00	100.0 %
TOTAL Permits and Fees	<u>0.00</u>	<u>7,200.00</u>	<u>7,200.00</u>	100.0 %
TOTAL Operating Expenses	<u>1,929.60</u>	<u>15,520.62</u>	<u>13,591.02</u>	87.6 %
***** OPERATING INCOME (LOSS)	<u>281.60</u>	<u>(10,937.25)</u>	<u>11,218.85</u>	102.6 %
***** NET INCOME (LOSS)	<u>281.60</u>	<u>(10,937.25)</u>	<u>11,218.85</u>	102.6 %
***** NET INCOME (LOSS)	<u>281.60</u>	<u>(10,937.25)</u>	<u>11,218.85</u>	102.6 %

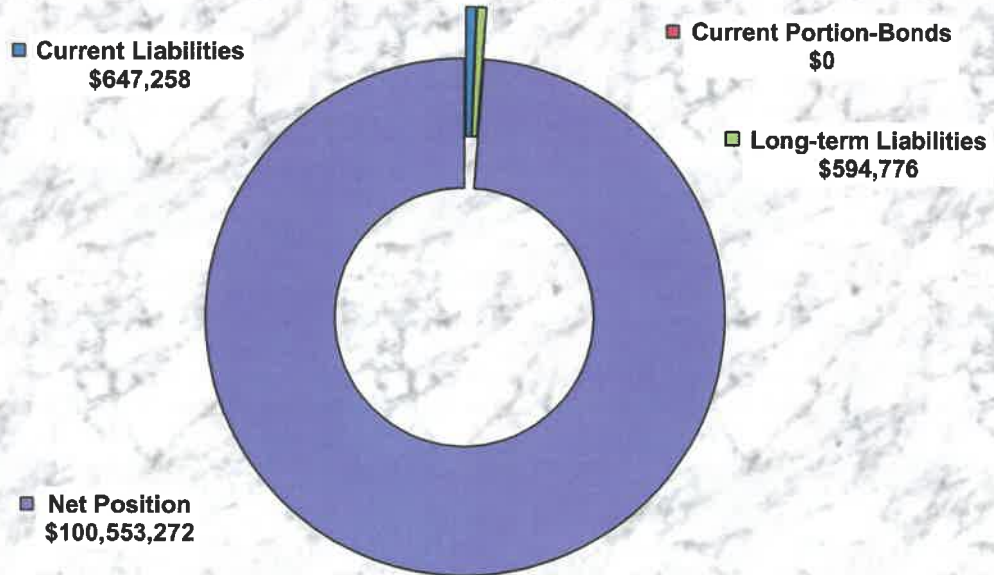
Carmel Area Wastewater District
Budgeted Income Stmt.-Brine Disposal
Year-to-Date Variance, May 2022 - current month, Consolidated by
account, Department 10

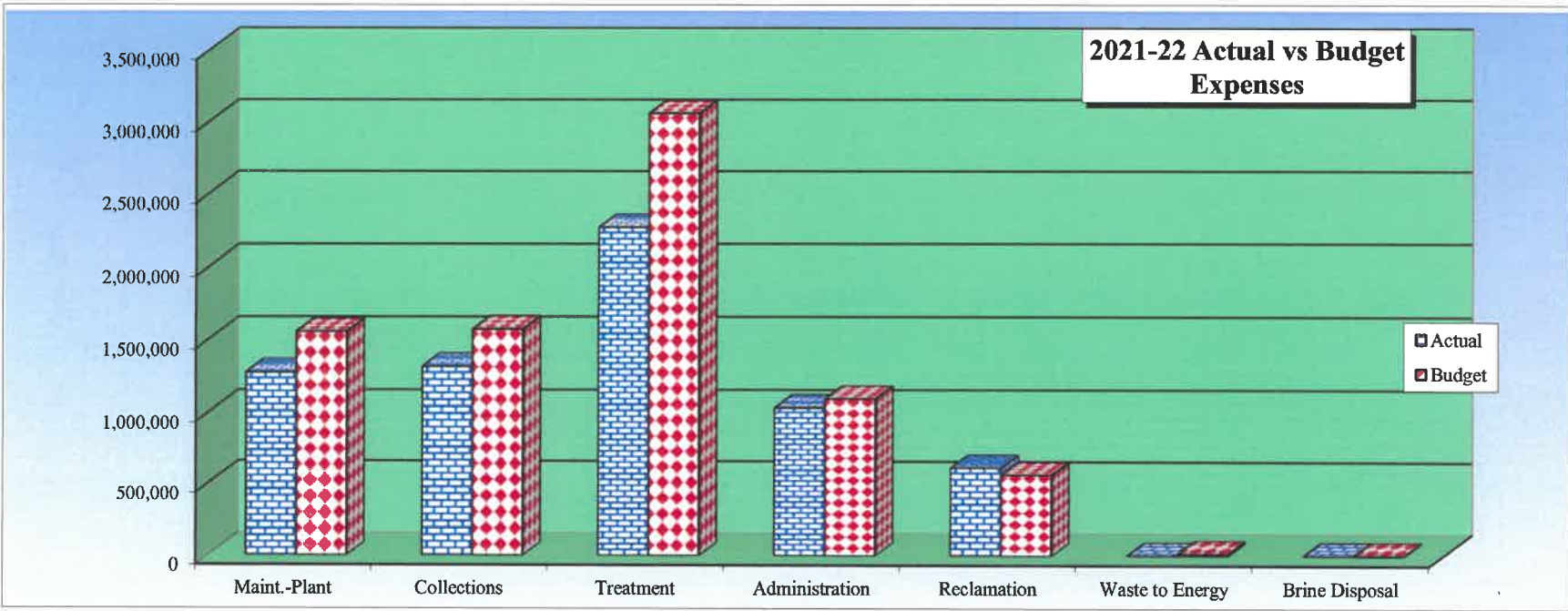
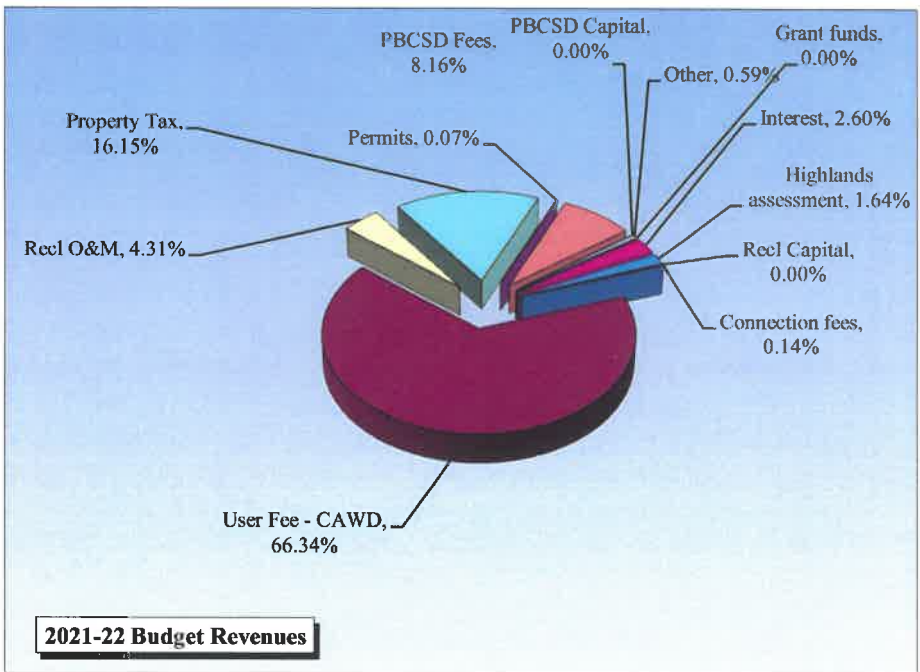
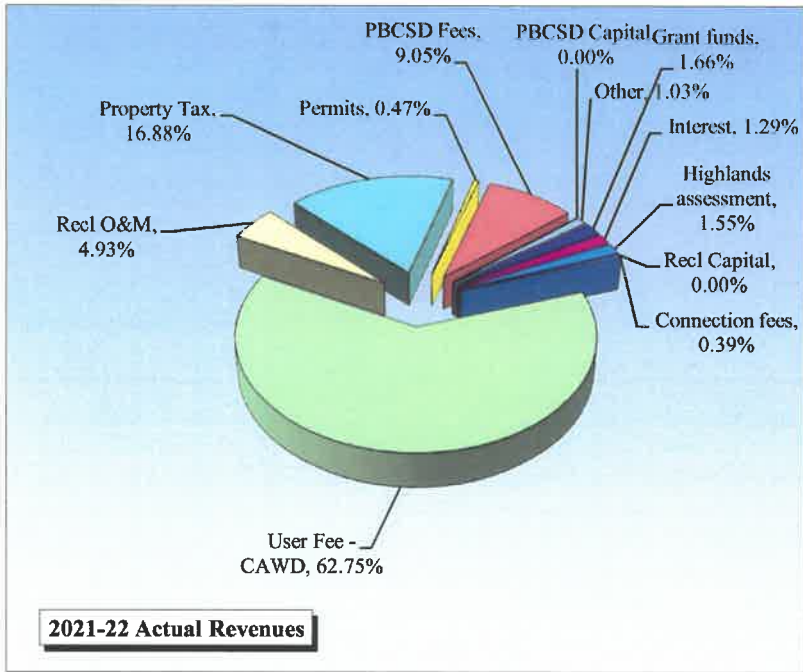
	<i>11 Months Ended May 31, 2022</i>	<i>11 Months Ended May 31, 2022 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
Income				
Revenue	94,083.26	72,416.63	21,666.63	29.9 %
TOTAL Income	<u>94,083.26</u>	<u>72,416.63</u>	<u>21,666.63</u>	29.9 %
*****	<u>94,083.26</u>	<u>72,416.63</u>	<u>21,666.63</u>	29.9 %
***** OPERATING INCOME	<u>94,083.26</u>	<u>72,416.63</u>	<u>21,666.63</u>	29.9 %
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	1,569.00	1,480.38	(88.62)	-6.0 %
TOTAL Salaries and Payroll Taxes	<u>1,569.00</u>	<u>1,480.38</u>	<u>(88.62)</u>	-6.0 %
Office Expense				
Office Expense	0.00	22.88	22.88	100.0 %
TOTAL Office Expense	<u>0.00</u>	<u>22.88</u>	<u>22.88</u>	100.0 %
Operating Supplies				
Operating Supplies	0.00	1,100.00	1,100.00	100.0 %
TOTAL Operating Supplies	<u>0.00</u>	<u>1,100.00</u>	<u>1,100.00</u>	100.0 %
Repairs and Maintenance				
Repairs and Maintenance	1,046.14	2,291.74	1,245.60	54.4 %
TOTAL Repairs and Maintenance	<u>1,046.14</u>	<u>2,291.74</u>	<u>1,245.60</u>	54.4 %
TOTAL Operating Expenses	<u>2,615.14</u>	<u>4,895.00</u>	<u>2,279.86</u>	46.6 %
***** OPERATING INCOME (LOSS)	<u>91,468.12</u>	<u>67,521.63</u>	<u>23,946.49</u>	35.5 %
***** NET INCOME (LOSS)	<u>91,468.12</u>	<u>67,521.63</u>	<u>23,946.49</u>	35.5 %
***** NET INCOME (LOSS)	<u>91,468.12</u>	<u>67,521.63</u>	<u>23,946.49</u>	35.5 %

Assets - May 31, 2022

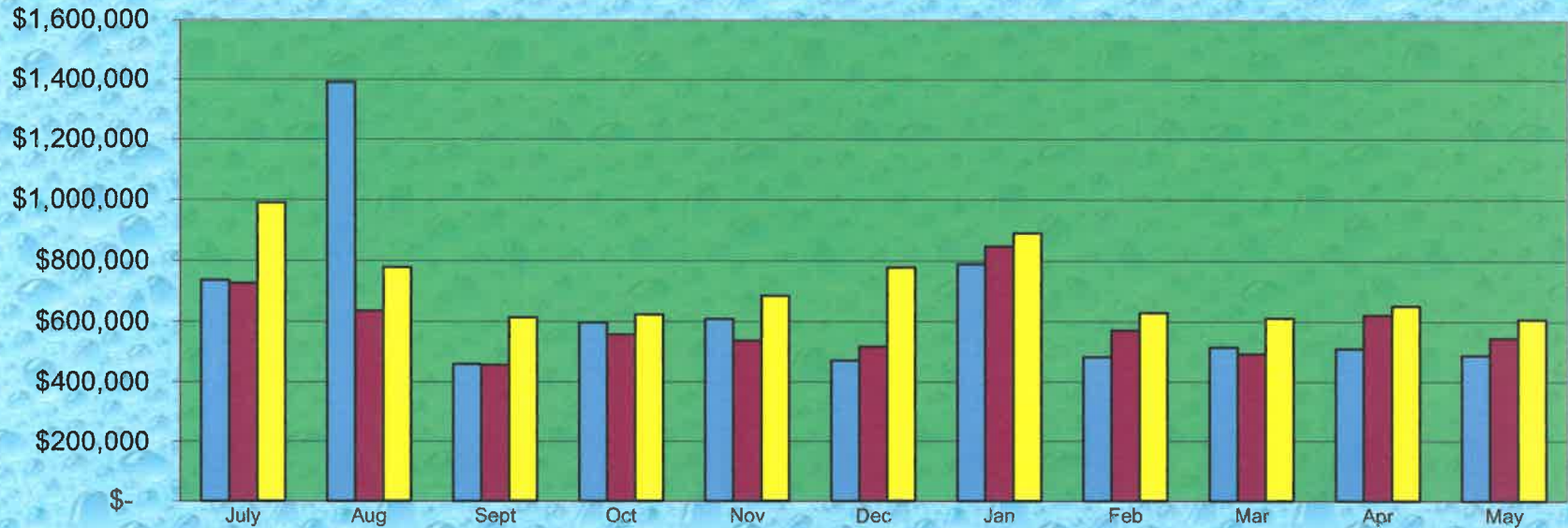


Liabilities - May 31, 2022





Operating Expenses



	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
■ FY 20-21	\$736,364	\$1,391,166	\$459,665	\$597,145	\$609,524	\$472,000	\$790,837	\$484,440	\$516,146	\$510,763	\$489,386
■ FY 21-22	\$726,464	\$636,022	\$457,080	\$557,531	\$537,313	\$518,130	\$848,165	\$571,858	\$494,319	\$622,278	\$545,328
■ CY Budget	\$990,490	\$779,712	\$614,378	\$623,848	\$685,836	\$779,103	\$891,642	\$630,061	\$612,603	\$652,703	\$608,362

**Carmel Area Wastewater District
Capital Expenditures
2021-22**

	BEG BAL	MAY	CURRENT YTD	CUMULATIVE TOTAL	ANNUAL BUDGET	BUDGET SPENT
<u>CAPITAL PURCHASES</u>						
<u>Admin</u>						
		0	0	0	0	NA
		0	0	0	0	NA
<u>Collections</u>						
Dougherty Place sewer replacement		0	87,412	87,412	0	NA
Various sewer line replacements		0	42,325	42,325	0	NA
<u>Treatment</u>						
		0	0	0	0	NA
		0	0	0	0	NA
RECL share	0	0	0	0	0	NA
PBCSD share (1/3 of cost)	0	0	0	0	0	NA
		0	129,738	129,738	0	NA

Total Capital Purchases 21-22

**Carmel Area Wastewater District
Capital Expenditures
2021-22**

	BEG BAL	MAY	CURRENT YTD	CUMULATIVE TOTAL	ANNUAL BUDGET	BUDGET SPENT
<u>CIP PROJECTS</u>						
<u>Administration</u>						
<u>Collections</u>						
Construction of new Gravity Sewer Line-Carmel Meadows	364,551	2,598	103,990	468,541	150,000	69.33%
Upper Rancho Canada Pipe Relocation	188,587	17,494	1,592,743	1,781,330	1,760,000	90.50%
Carmel Valley Manor Sewer-unbudgeted	180	0	0	180	0	NA
Scenic Rd Pipe Burst-Ocn/Bay	80,276	0	106,947	187,223	1,200,000	8.91%
Bay/Scenic Pump Station Rehab	6,727	0	24,165	30,892	250,000	9.67%
Pescadero Creek Area Pipe Rehab	0	0	83,483	83,483	450,000	18.55%
<u>Treatment</u>						
RECL share	0	0	0	0	0	NA
PBCSD share (1/3 of cost)	0	0	0	0	0	NA
<i>Total CIP Projects 21-22</i>	640,321	20,092	1,911,328	2,551,649	3,810,000	50.17%

**Carmel Area Wastewater District
Capital Expenditures
2021-22**

	BEG BAL	MAY	CURRENT YTD	CUMULATIVE TOTAL	ANNUAL BUDGET	BUDGET SPENT
<u>LONG TERM CIP PROJECTS</u>						
<u>Treatment</u>						
Microturbine/Gas Conditioning System	55,115	13,228	39,868	94,982	150,000	26.58%
Elec/Mech Rehab & Sludge Holding Tank Project (RECL 4%)	896,671	356,791	3,290,124	4,186,795	5,000,000	65.80%
WWTP Perimeter Tree Planting	2,897	0	2,123	5,020	60,000	3.54%
Critical Process Flood Adaptations (RECL 30%)	21,788	0	0	21,788	50,000	NA
Aeration Basin Improvements	9,030	0	8,302	17,332	0	NA
Ops Building Basement Bathroom	8,245	0	10,505	18,749	0	NA
RECL share	(39,135)	(14,272)	(131,606)	(170,741)	(200,000)	65.80%
PBCSD share (1/3 of cost)	(318,204)	(118,582)	(1,073,105)	(1,391,308)	(1,686,667)	63.62%
<i>Total Long Term CIP Projects 21-22</i>	636,407	237,165	2,146,210	2,782,617	3,373,333	63.62%
Total Capital (net of RECL and PBCSD)	1,276,728	257,257	4,187,275	5,464,004	7,183,333	58.29%

**Carmel Area Wastewater District
Variance Analysis
2021-22**

**YTD Actual/
YTD Budget
Variance**

Maintenance - Plant

Office Expense	-85.80%	Office supplies underbudgeted. Furniture and fixtures unbudgeted. Small dollar amounts.
Permits and Fees	-29.50%	Mo. Bay Air Resources District permits underbudgeted. Small dollar amounts.
Safety	-25.50%	Supplies, boots and gear underbudgeted.

Collections

Salaries and Payroll Taxes	-6.10%	Slightly underbudgeted.
Truck and Auto Expenses	-78.40%	Diesel, repair parts and vehicle accessories underbudgeted.
Office Expense	-12.60%	Computers and equipment underbudgeted.
Permits and Fees	-13.00%	Slightly underbudgeted. Small dollar amounts.
Safety	-9.30%	Supplies and training underbudgeted. Small dollar amounts.
Other Expense	-84.00%	Recruiting unbudgeted. Small dollar amounts.

Administration

Salaries and Payroll Taxes	-7.80%	Slightly underbudgeted.
Office Expense	-34.90%	District codifications unbudgeted. Furnishings and supplies underbudgeted. Small dollar amounts.
Other Expense	-14.50%	Rate payer claims unbudgeted. Small dollar amounts.

Waste to Energy

Salaries and Payroll Taxes	-10.40%	Timing of salaries. Small dollar amounts.
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Brine Disposal

Salaries and Payroll Taxes	-6.00%	Timing of salaries. Small dollar amounts.
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District Obligations:

1) 2004 Highlands Project Bond Proceeds \$3,057,165 - Balance \$585,000

**Carmel Area Wastewater District
2021-22 Resolutions Amending the Budget**

Resolution #	Description	Budgeted	Amendment	Spent To Date
	No budget amendments to date.	\$ -	\$ -	\$ -
	Total To Date	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

STAFF REPORT



TO: Board of Directors
 FROM: Daryl Lauer, Collection Superintendent
 DATE: June 30, 2022
 SUBJECT: Monthly Report – May

RECOMMENDATION

Receive Report- Informational only; no action required.

Permits Issued

Sewer Lateral Permits issued in May	27
Total Fees	\$4,560.00

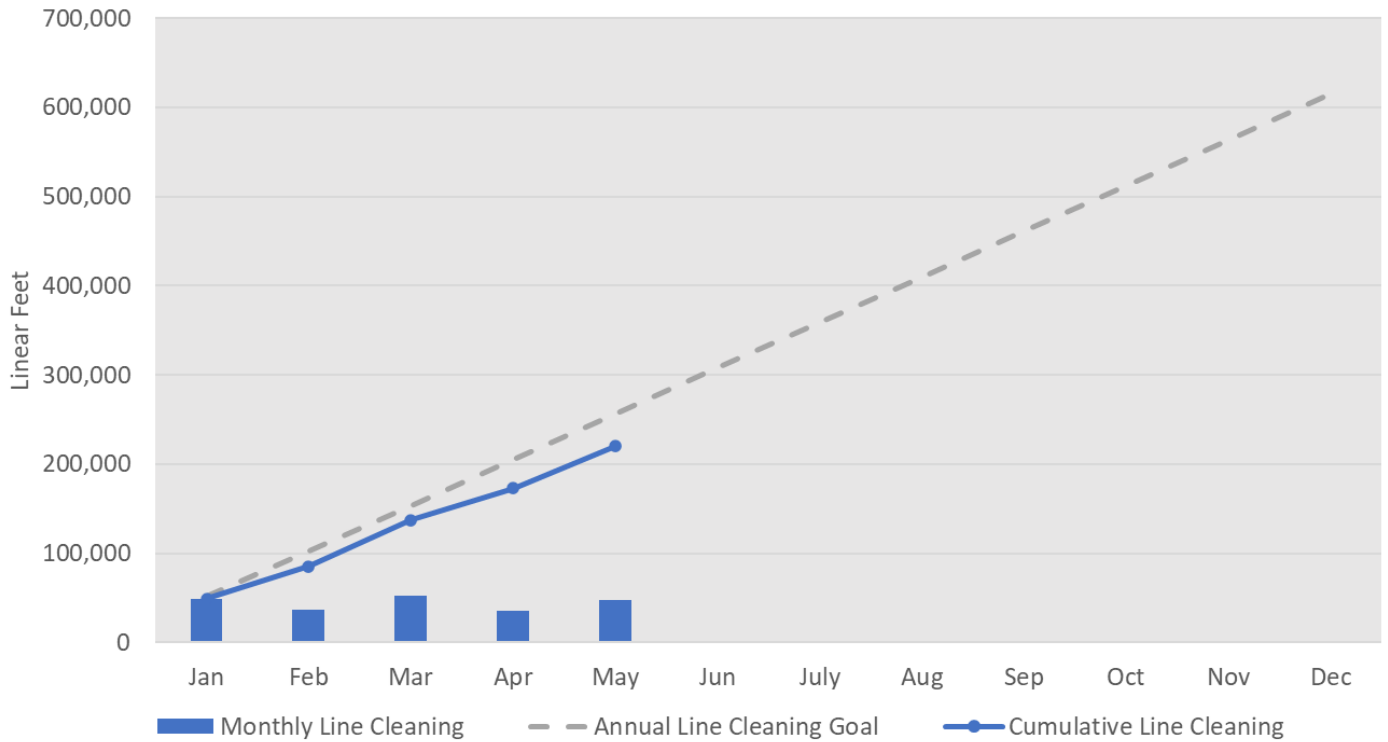
Maintenance

Attached is a map of the areas cleaned and Closed-Circuit Television (CCTV) inspected in the past three months. There were 47,446 feet of sewer lines cleaned, 5,107 feet of CCTV inspections and 7 manhole inspections were performed during the month of May.

Recent Line Cleaning Summary

Cleaning period	Footage Cleaned	Percentage Cleaned	Size of Pipe Cleaned
May	47,446 ft.	11.54%	6 – 12 inches
April	35,310 ft.	8.59%	6 – 15 inches
March	52,215 ft.	12.70%	6 – 27 inches

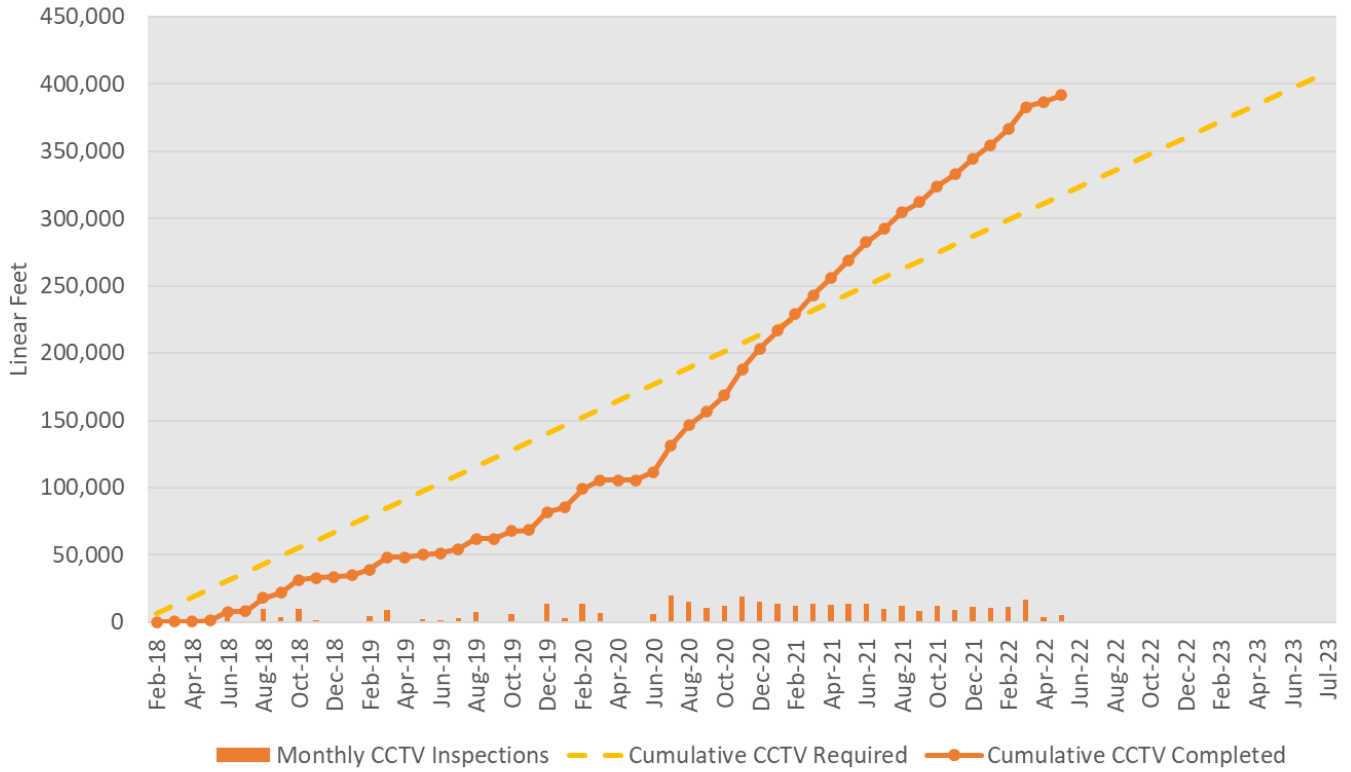
Annual Line Cleaning Graph



Line Cleaning Table

Total Target Amount (Linear Feet)	Cumulative Complete (Linear Feet)	Remaining (Linear Feet)
615,000	220,152	394,848

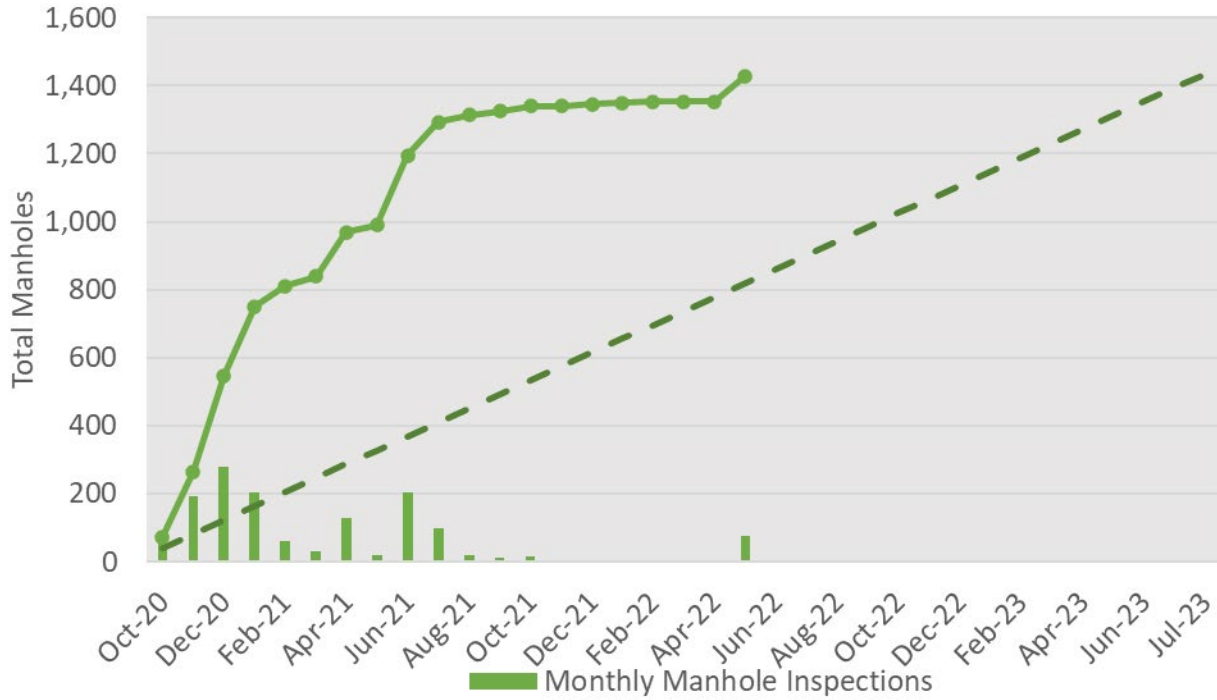
CCTV Progress Graph (River Watch Settlement Agreement Target)



CCTV Table

Total Required amount (Linear Feet)	Cumulative Complete (Linear Feet)	Remaining (Linear Feet)
408,672	391,729	16,943

Manhole Inspection Progress Graph (Riverwatch Settlement Agreement Target)



Manhole Inspection Table

Total Required Amount (Manholes)	Actual Complete (Manholes)	Remaining (Manholes)
1428	1428	0

Riverwatch Update

- Staff has completed the manhole inspection part of the settlement. The Principal Engineer will use this data to schedule rehabilitation or replacement of damaged or deteriorated manholes. Project 22-02 Manhole Frame & Lid Replacement Project exposed the remaining 7 manhole so inspections could be completed. There are 68 manholes within the District boundaries that were not inspected because these assets are privately owned or managed by Pebble Beach Community Services District (PBCSD)
- Once the CCTV inspections and Pump Station evaluations are completed, the Principal Engineer will use the information for the final Collection System Asset Management Plan.

Construction Activities

- On May 9th Coastal Paving & Excavating started the 22-02 Manhole Frame & Lid Replacement Project. Thirty manhole frame and lids were replaced with the new composite style frame and lids. The area of focus was the Mission Fields community which has been prone to flooding in years past. The new style lids are locking and watertight which will help with I/I Infiltration and Inflow (I/I) in future flood events.

Staff Development

- Staff completed several in-person tail gate trainings.

Service calls responded to by crew

Date	Time	Callout	Resolution
5/2/2022	11:58 PM	Power Fail	Called to 8 th & Scenic for a power fail. Staff monitored the station until the power was restored.
5/8/2022	3:17 PM	Pump Fail	Called to Hacienda for a pump fail. Staff disabled the pump and took it out of rotation till the next day. Staff found rags had clogged the impeller. Staff cleared the impeller and put the pump back in service.
5/25/2022	12:36 PM	Lateral Overflow	Called by homeowner for a lateral overflow. Staff cleaned District main line and found no problems in District's line. Staff informed owner to call a plumber of their choice.
5/31/2022	1:17 PM	Lateral Overflow	Called by homeowner for a lateral overflow. Staff cleaned District main line and found no problems in District's line. Staff informed owner to call a plumber of their choice.

USA Location Requests – 115

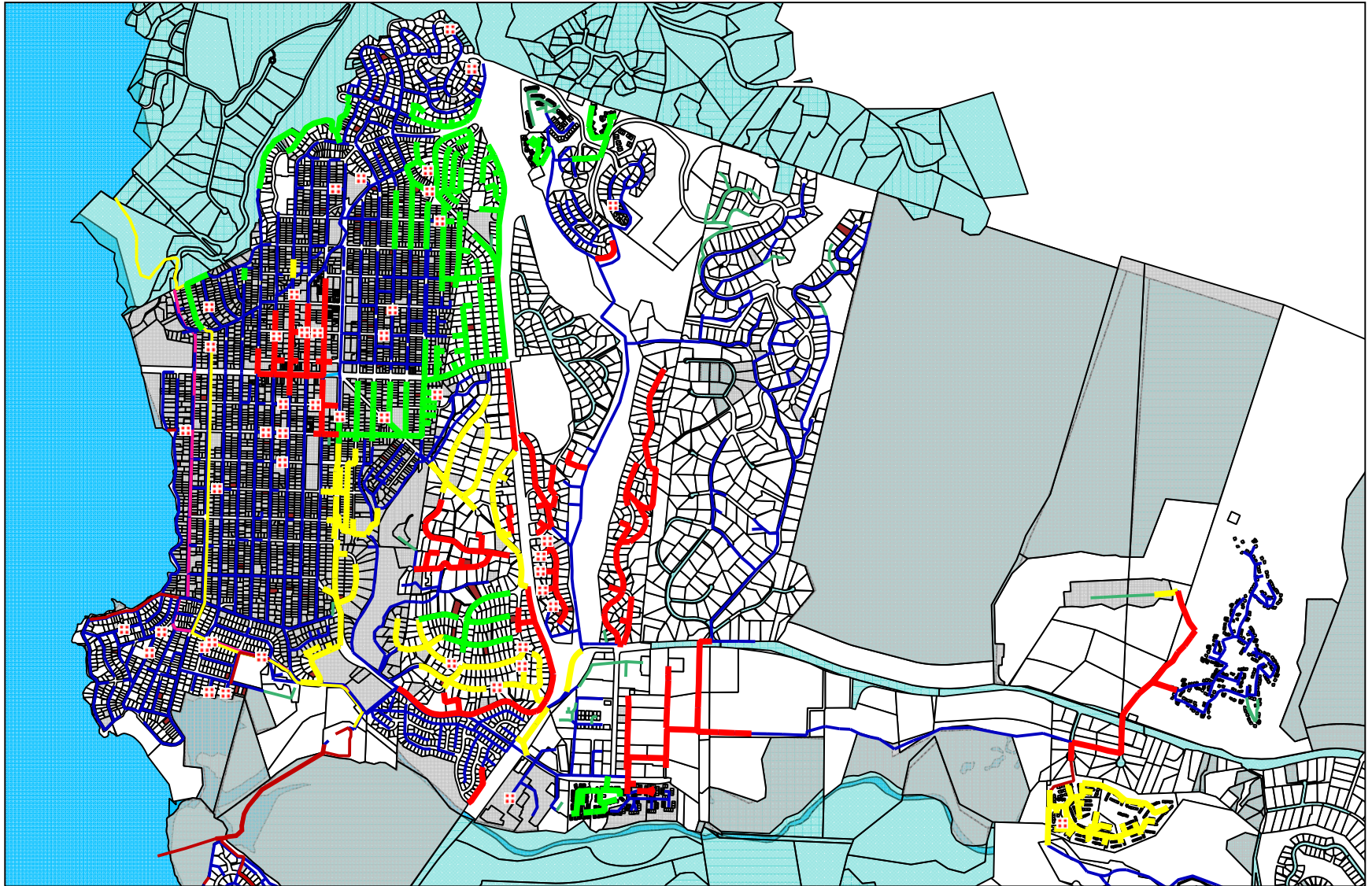
Plumbing permit inspections – 21

Private Sewer Lateral Compliance Certificates Issued – 28

FUNDING-N/A

May (Red) 47,446 feet
April (Yellow) 35,310 feet
March (Green) 52,215 feet

Monthly Cleaning Map



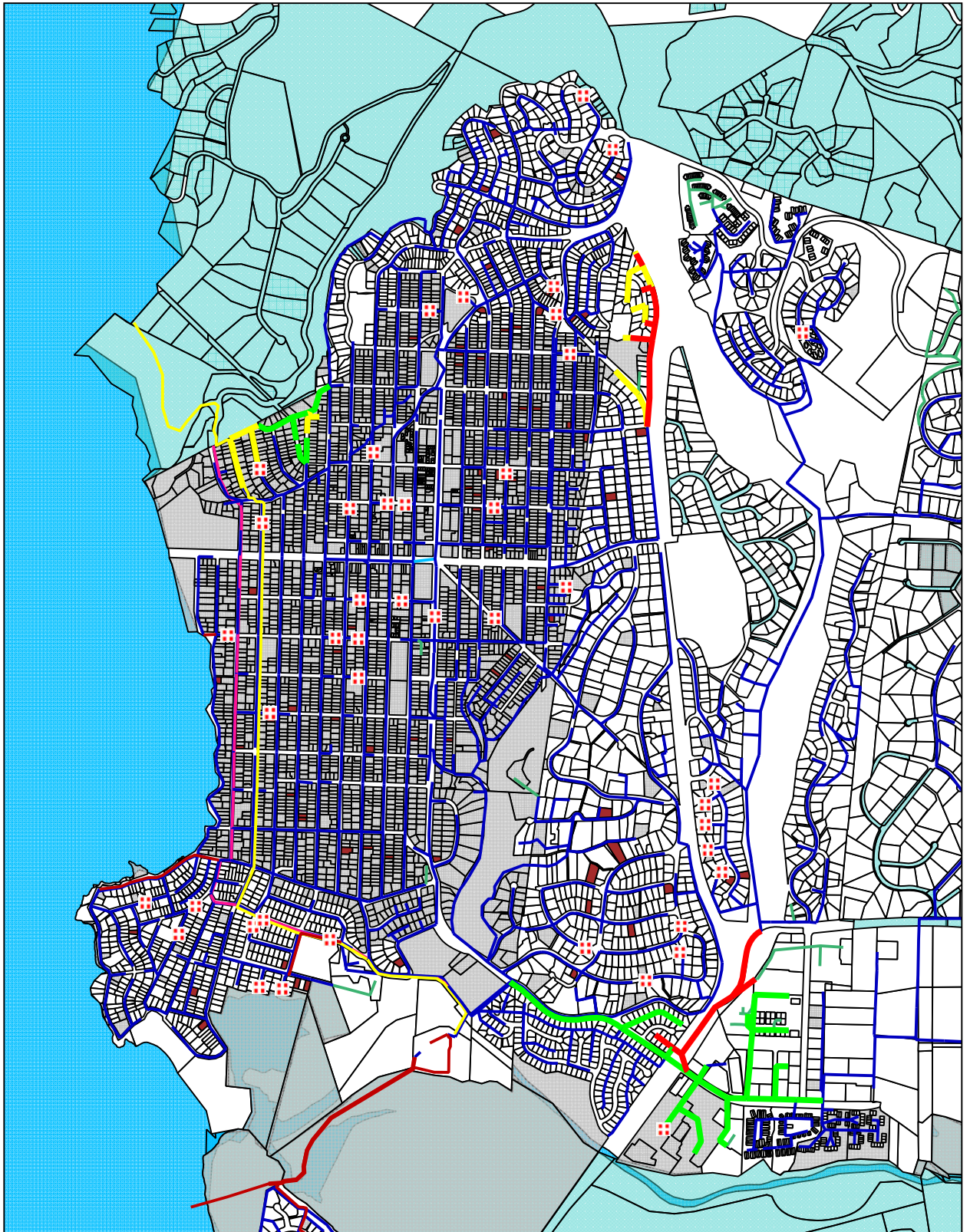
6/6/2022



May (Red)
April (Yellow)
March (Green)

5,107 feet
3,743 feet
16,601 feet

Monthly CCTV Map



RedZone
ROBOTICS

6/8/2022



STAFF REPORT

To: Board of Directors

From: Mark Dias, Safety and
Regulatory Compliance Administrator
(Safety/Compliance (S/C) Admin Dias)

Date: June 30, 2022

Subject: Monthly Safety Report (for May 2022)



RECOMMENDATION

Receive Report- Informational only; no action required

DISCUSSION

Safety & Training

- **May 4- Human Error and Performance Training.** Chris Foley, Maintenance Superintendent, discussed the role of human error in accidents and near-misses. Human error accounts for over 75% of Occupational Safety and Health Act (OSHA) reportable injuries and so it is a key topic in any safety program. The detailed presentation included a breakdown of multiple types and causes of human error. Tools to reduce human error include: (1) Job Hazard Assessment/Pre-Job Brief, (2) Self Checking sequence, (3) Peer Checking, (4) 3-Legged Communication [instruction, repeat back, confirm], (5) Situational Awareness, (6) Questioning Attitude, (7) Stop When Unsure.
- **May 11- Basic Electrical Safety Quiz.** S/C Admin Dias gave a PowerPoint quiz on basic electrical safety. The presentation focused on common misconceptions and errors that can lead to electrocution. One area emphasized was that if a circuit breaker trips, the first step is not to reset the breaker. Instead, it should be assumed that the breaker tripped for a reason. The cause should first be identified and eliminated by a trained worker before resetting.
- **May 18- Machine Guarding.** Patrick Treanor, Plant Engineer, gave a presentation on machine guarding. Machine guards are required to protect employees from pinch points, rotating/reciprocating parts, sparks and flying debris. Machine guards are in place around the plant. Whenever the guard needs to be removed for servicing or cleaning, the equipment must be locked out and tested to confirm the lock-out was successful.

- **May 25- Phone system Broadcast feature.** S/C Admin Dias gave a refresher of the District’s phone system “broadcast” feature. This was first presented roughly two years ago. The phone system allows any user to press a single button and then transmit audio to all the phones on the system. It is internal only and does not call 911 or First Alarm. While most communication at the plant is via two-way radios, not all employees at the plant have radios. The General Manager is also on the broadcast system. The broadcast feature allows for a secondary/back-up method to announce emergencies, evacuations, threats, etc. After the refresher each department went back to their desks and conducted test broadcasts.

Ongoing Safety Improvements

During May, Maintenance Superintendent Chris Foley and S/C Admin Dias continued to implement safety improvements and seek input from the operations crew and the Safety Committee. Activities during May included:

- **Draft Safety Culture Survey.** As part of enhancing the District’s safety culture, two new, in-depth safety culture surveys were developed in house. The main survey is for employees. There is a separate analogous survey for management. The first drafts were presented to management in May. The anonymous survey will be rolled out in June and the results will be shared with employees and the Safety Committee after they are compiled and analyzed. These will be recurring surveys.

Tours and Outreach

- **Tours.** Tours remain on temporary hold while several areas of the plant are being impacted by Phase II construction activities.

Injuries; First Aid Incidents; Workers Compensation Claims

There were no first aid injuries or Workers’ Compensation cases in May. The employee with the foot injury (as reported in February’s report) remained on restricted duty for the entire month (21 working days). The tracking matrix below reflects data through May 30.

	Work Related Injuries and Illnesses for 2022 Calendar Year				
TYPE	New Incidents (Month)	Total Incidents (Year)	Total Days Away from Work (Year)	Total Days of Job Restriction (Year)	Cumulative days lost (Year)
OSHA Injuries	0	1	1	80	1
OSHA Illnesses	0	0	0	0	0
Other WC Claims	0	0	0	0	0
First Aid (non-OSHA)	0	0	0	0	0

FUNDING- N/A- Informational item only

Wastewater Treatment Facility Operations Report

Report for: May 2022	HYDRAULIC LOADINGS					2022 YEAR-TO-DATE	
	Total Monthly, MG	Avg. Daily, MGD	Min Daily, MGD	Max Daily, MGD	% of Total	MG	acre-feet
CAWD Flow	23.071	0.744	0.701	0.831	65.746	117.80	361.33
PBCSD Flow	12.020	0.388	0.368	0.423	34.254	58.83	180.44
Total Plant Flow	35.091	1.132	1.069	1.254	100.00	176.62	541.78
Tertiary Flow	31.153	1.005	0.466	1.168	88.778	131.75	404.14
Ocean Discharge	4.660	0.150	0.107	0.400	13.280	45.74	140.29
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TERTIARY PROCESS HISTORY

Total Annual Reclamation Production (2022)	131.75MG (404.14acre-ft.)
Total Lifetime Reclamation Production (94-22)	9.03 BG (27.71 K acre-ft.)
12 Month Rolling Total Reclamation Production	353.24 MG (1084.10 acre-ft.)

ELECTRICAL COSTS

Monthly Totals	May'22 kWh	Price per kWh	May'22	Apr'22	Mar'22	Feb'22
Secondary	113,931.00	\$ 0.189	\$ 21,534.16	\$ 22,586.54	\$ 17,535.45	\$ 15,984.77
Blowers	55,117.36	\$ 0.192	\$ 10,568.58	\$ 10,018.75	\$ 9,692.95	\$ 6,357.66
CAWD Total	169,048.36		\$ 32,102.74	\$ 32,605.29	\$ 27,228.40	\$ 22,342.43
Tertiary	83,195.68	\$ 0.194	\$ 16,106.49	\$ 15,648.90	\$ 16,666.66	\$ 14,522.02
MF/RO	104,593.00	\$ 0.220	\$ 22,997.64	\$ 18,367.65	\$ 19,014.22	\$ 19,657.48
Reclaim Total	187,788.68		\$ 39,104.13	\$ 34,016.55	\$ 35,680.88	\$ 34,179.50
Adjusted Monthly Totals (1)	CAWD Total		\$ 19,567.36	Reclamation Total		\$ 51,639.51

kW-h Per Acre Foot

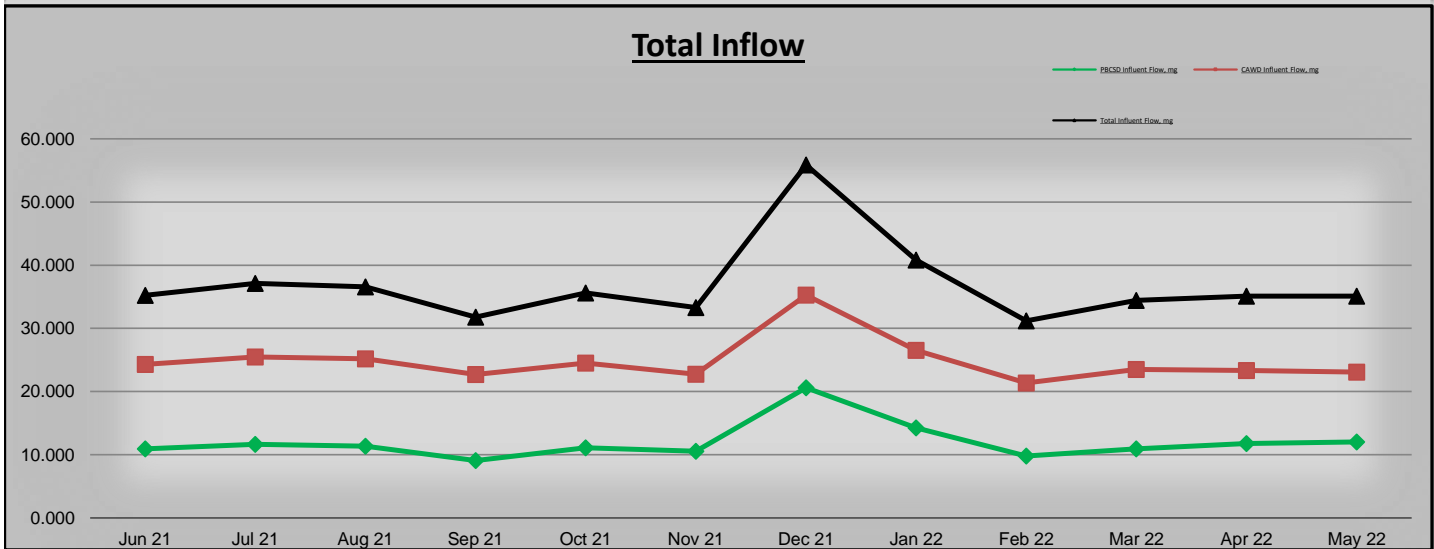
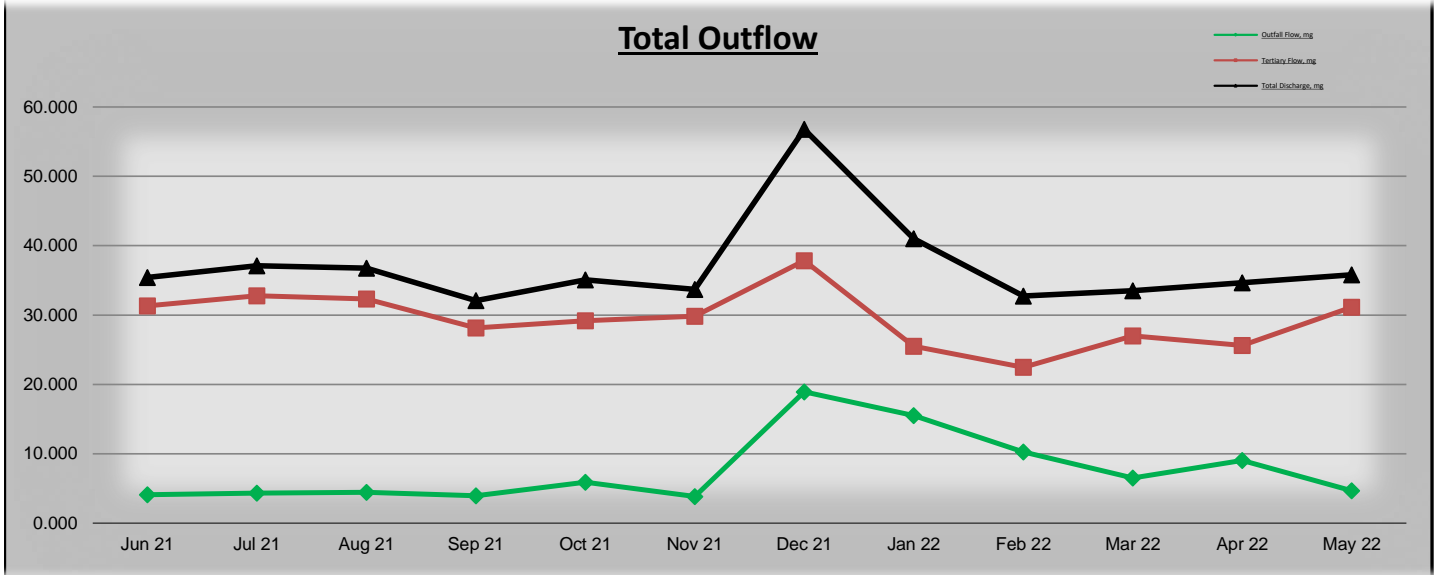
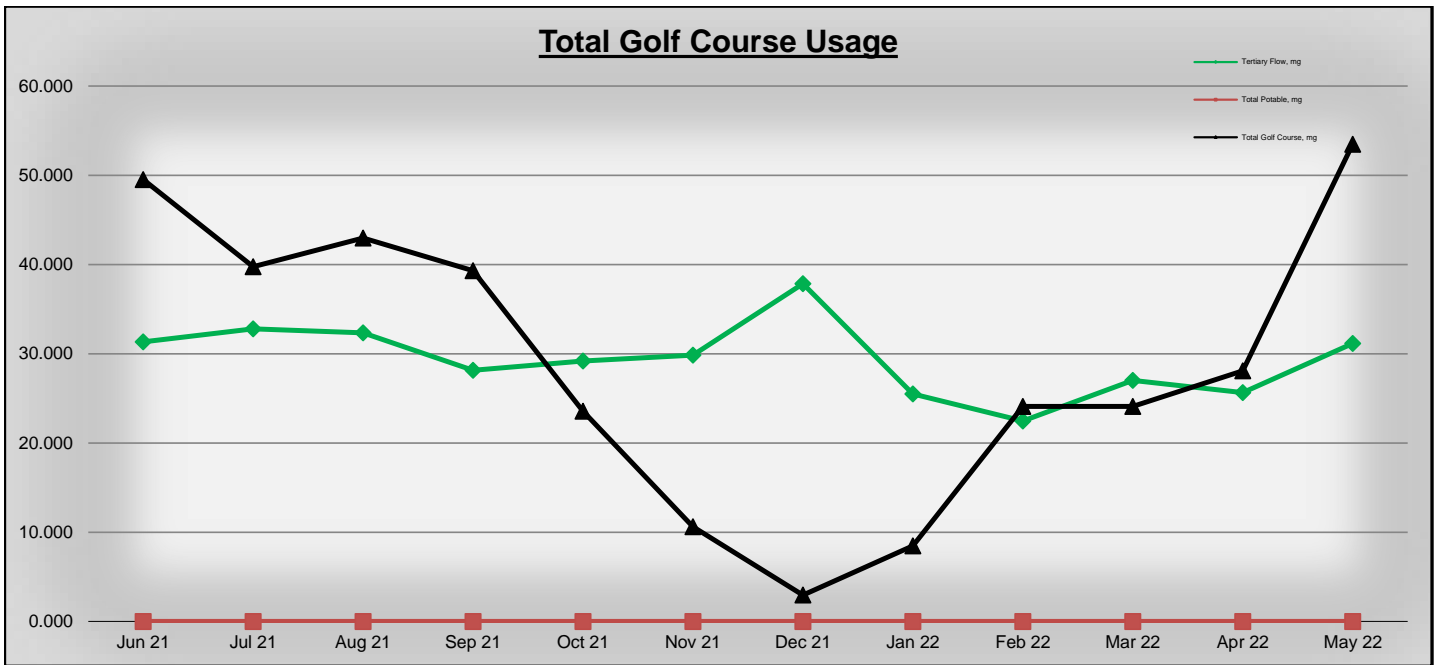
	2021				2022			
	1 QTR	2 QTR	3 QTR	4 QTR	1 QTR	2 QTR	3 QTR	4 QTR
CAWD	1453.87	1327.64	1298.73	1681.53	1409.48	N/A	N/A	N/A
Reclamation	1984.84	1939.79	1682.65	1887.92	2190.20	N/A	N/A	N/A

MICROTURBINE SUMMARY

Month	May '22 kW-h	Apr'22	Mar'22	Feb'22	Accumulated Totals
Production, kW-h (2)	0	0	24,427	22,570	1,225,671.00

(1) Cost adjustment for Reclamation percentage for Secondary power costs and CAWD's percentage for Tertiary's power costs due to the Lab's power usage.

(2) Microturbine system off-line due to the gas compressor malfunction.



Wastewater Treatment Facility Operations Report

Report for: April 2022	HYDRAULIC LOADINGS					2022 YEAR-TO-DATE	
	Total Monthly, MG	Avg. Daily, MGD	Min Daily, MGD	Max Daily, MGD	% of Total	MG	acre-feet
CAWD Flow	23.329	0.740	0.751	0.883	66.462	94.72	290.56
PBCSD Flow	11.772	0.392	0.301	0.556	33.538	46.81	143.57
Total Plant Flow	35.101	1.132	1.052	1.439	100.00	141.53	434.14
Tertiary Flow	25.631	0.915	0.000	1.099	73.021	100.60	308.58
Ocean Discharge	9.026	0.301	0.112	1.124	25.714	41.08	126.00
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TERTIARY PROCESS HISTORY

Total Annual Reclamation Production (2022)	100.60MG (308.58acre-ft.)
Total Lifetime Reclamation Production (94-22)	9.00 BG (27.61 K acre-ft.)
12 Month Rolling Total Reclamation Production	354.53 MG (1088.05 acre-ft.)

ELECTRICAL COSTS

Monthly Totals	Apr'22 kWh	Price per kWh	Apr'22	Mar'22	Feb'22	Jan'22
Secondary	122,940.00	\$ 0.184	\$ 22,586.54	\$ 17,535.45	\$ 15,984.77	\$ 11,880.60
Blowers	52,128.96	\$ 0.192	\$ 10,018.75	\$ 9,692.95	\$ 6,357.66	\$ 9,456.60
CAWD Total	175,068.96		\$ 32,605.29	\$ 27,228.40	\$ 22,342.43	\$ 21,337.20
Tertiary	77,094.24	\$ 0.203	\$ 15,648.90	\$ 16,666.66	\$ 14,522.02	\$ 16,423.59
MF/RO	83,588.00	\$ 0.220	\$ 18,367.65	\$ 19,014.22	\$ 19,657.48	\$ 17,709.53
Reclaim Total	160,682.24		\$ 34,016.55	\$ 35,680.88	\$ 34,179.50	\$ 34,133.12
Adjusted Monthly Totals (1)	CAWD Total		\$ 20,034.57	Reclamation Total		\$ 46,587.27

kW-h Per Acre Foot

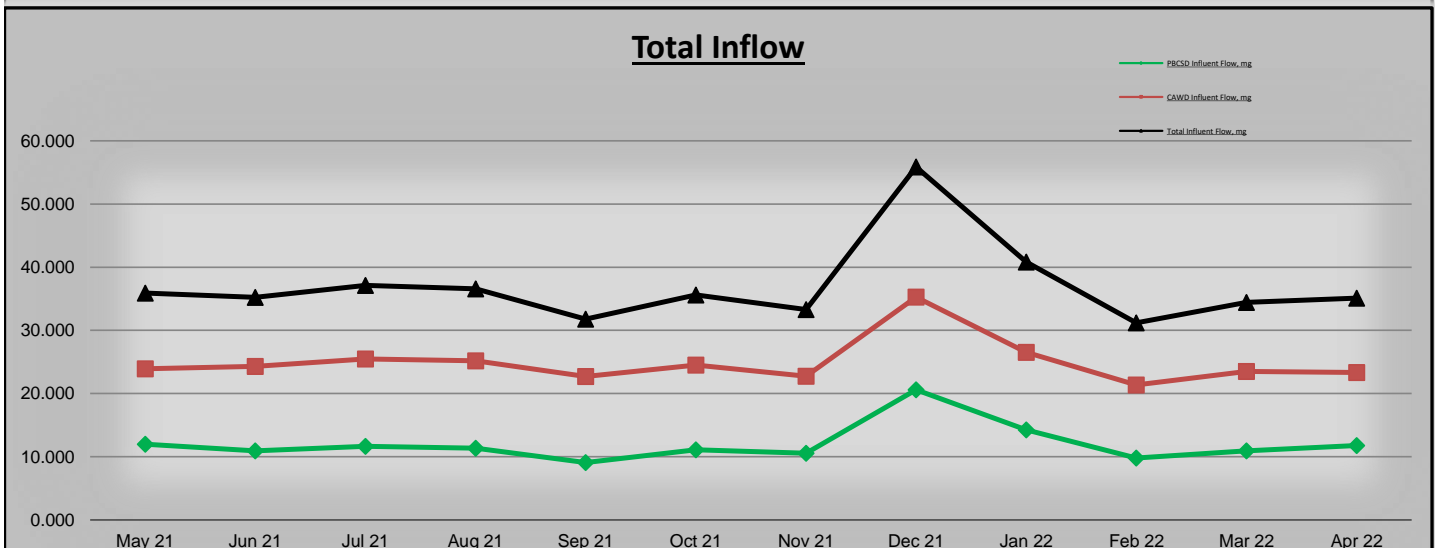
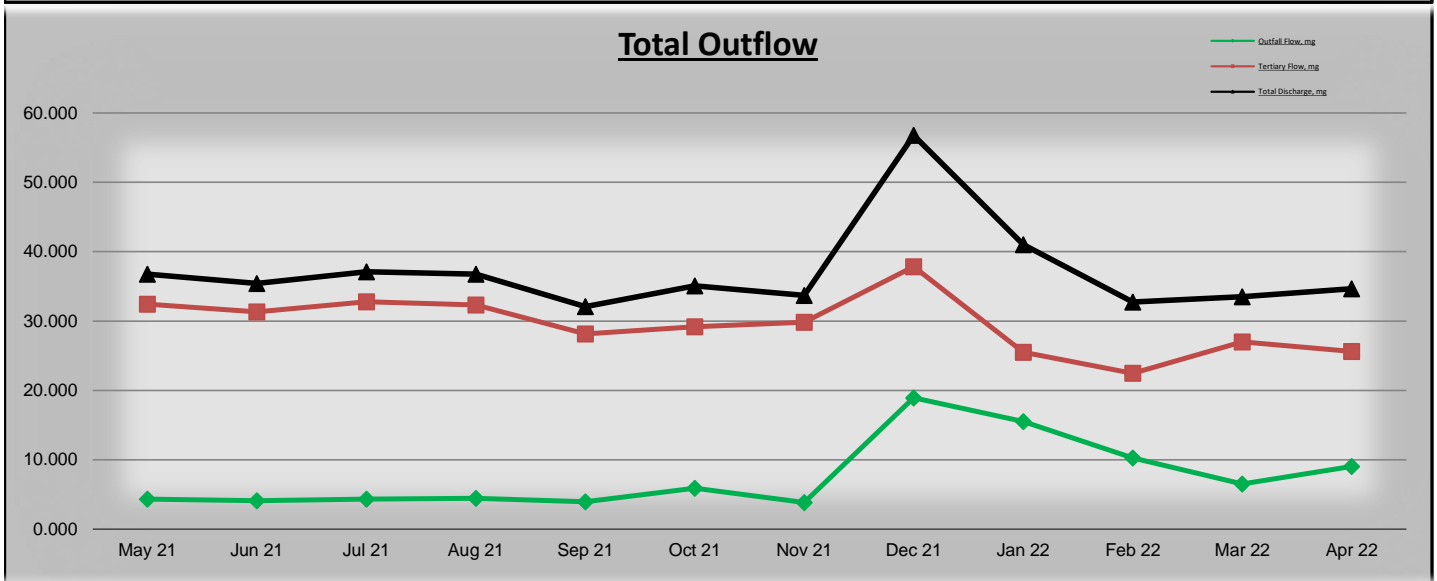
	2021				2022			
	1 QTR	2 QTR	3 QTR	4 QTR	1 QTR	2 QTR	3 QTR	4 QTR
CAWD	1453.87	1327.64	1298.73	1681.53	1409.48	N/A	N/A	N/A
Reclamation	1984.84	1939.79	1682.65	1887.92	2190.20	N/A	N/A	N/A

MICROTURBINE SUMMARY

Month	Apr '22 kW-h	Mar'22	Feb'22	Jan '22	Accumulated Totals
Production, kW-h (2)	0	24,427	22,570	18,128	1,225,671.00

(1) Cost adjustment for Reclamation percentage for Secondary power costs and CAWD's percentage for Tertiary's power costs due to the Lab's power usage.

(2) Microturbine system off-line due to the gas compressor malfunction.



Wastewater Treatment Facility Operations Report

Report for: March 2022	HYDRAULIC LOADINGS					2022 YEAR-TO-DATE	
	Total Monthly, MG	Avg. Daily, MGD	Min Daily, MGD	Max Daily, MGD	% of Total	MG	acre-feet
CAWD Flow	23.496	0.758	0.681	0.893	68.243	71.40	219.00
PBCSD Flow	10.934	0.353	0.295	0.424	31.757	35.03	107.46
Total Plant Flow	34.430	1.111	0.976	1.317	100.00	106.43	326.47
Tertiary Flow	27.006	0.965	0.333	1.198	78.437	74.97	229.96
Ocean Discharge	6.519	0.210	0.108	0.960	18.934	32.05	98.31
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TERTIARY PROCESS HISTORY

Total Annual Reclamation Production (2022)	74.97MG (229.96acre-ft.)
Total Lifetime Reclamation Production (94-22)	8.97 BG (27.53 K acre-ft.)
12 Month Rolling Total Reclamation Production	359.65 MG (1103.76 acre-ft.)

ELECTRICAL COSTS

Monthly Totals	Mar'22 kWh	Price per kWh	Mar'22	Feb'22	Jan'22	Dec'21
Secondary	89,062.00	\$ 0.197	\$ 17,535.45	\$ 15,984.77	\$ 11,880.60	\$ 16,980.55
Blowers	54,171.04	\$ 0.179	\$ 9,692.95	\$ 6,357.66	\$ 9,456.60	\$ 9,227.58
CAWD Total	143,233.04		\$ 27,228.40	\$ 22,342.43	\$ 21,337.20	\$ 26,208.13
Tertiary	86,548.72	\$ 0.193	\$ 16,666.66	\$ 14,522.02	\$ 16,423.59	\$ 14,959.99
MF/RO	85,639.00	\$ 0.222	\$ 19,014.22	\$ 19,657.48	\$ 17,709.53	\$ 25,021.75
Reclaim Total	172,187.72		\$ 35,680.88	\$ 34,179.50	\$ 34,133.12	\$ 39,981.74
Adjusted Monthly Totals (1)	CAWD Total		\$ 16,675.12	Reclamation Total		\$ 46,234.16

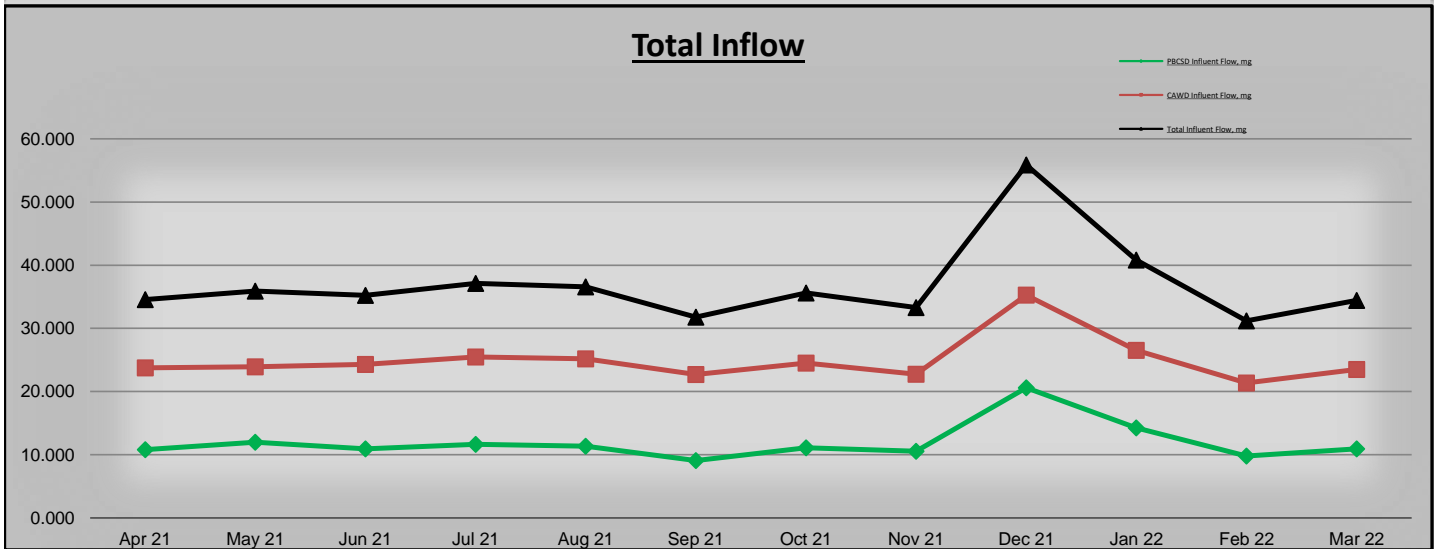
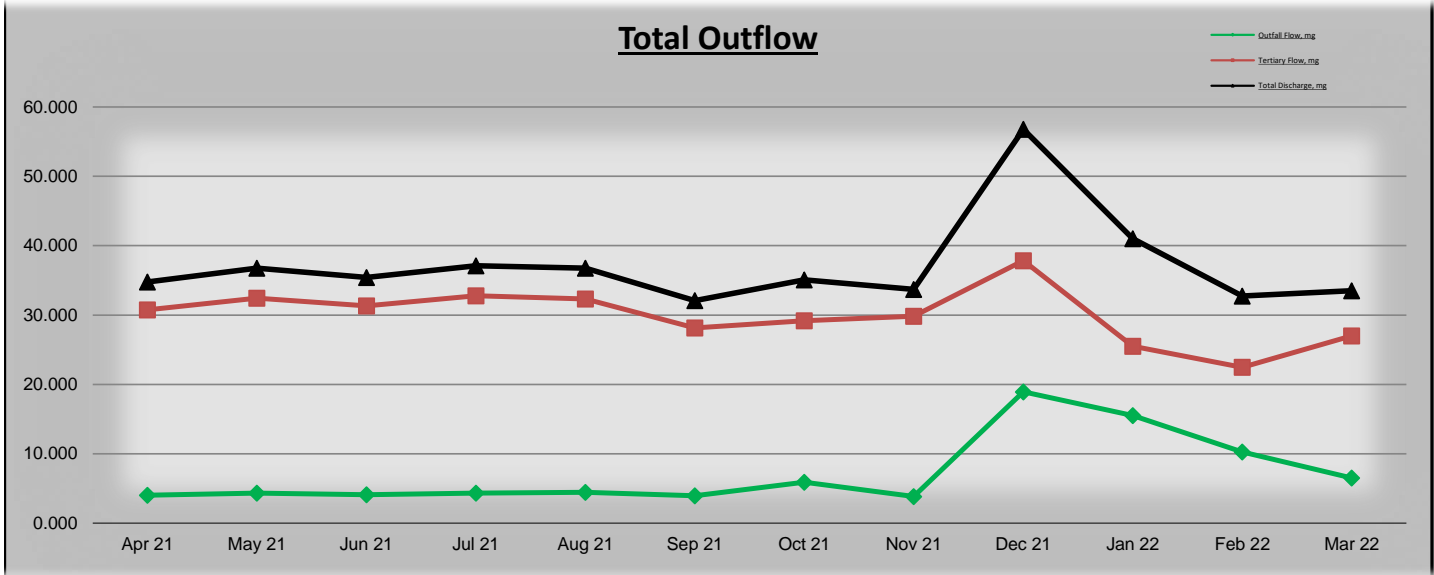
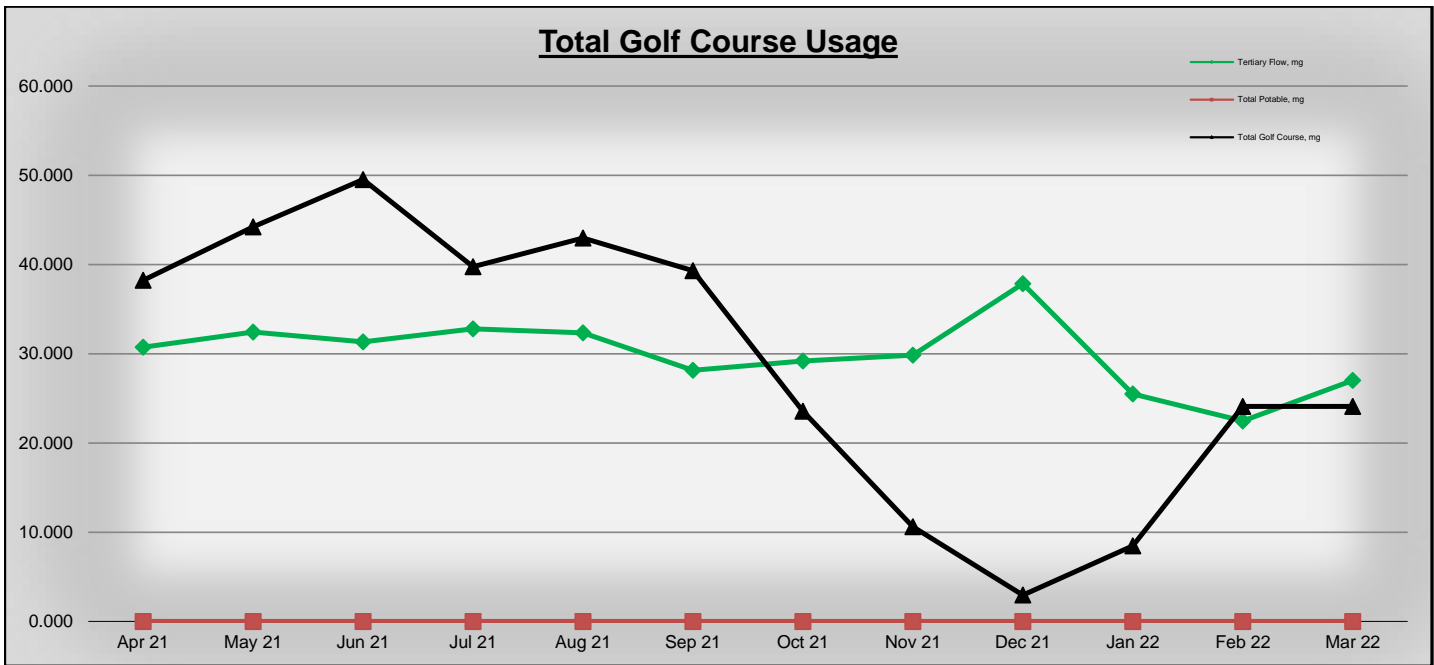
kW-h Per Acre Foot

	2021				2022			
	1 QTR	2 QTR	3 QTR	4 QTR	1 QTR	2 QTR	3 QTR	4 QTR
CAWD	1453.87	1327.64	1298.73	1681.53	1409.48	N/A	N/A	N/A
Reclamation	1984.84	1939.79	1682.65	1887.92	2190.20	N/A	N/A	N/A

MICROTURBINE SUMMARY

Month	Mar '22 kW-h	Feb'22	Jan '22	Dec '21	Accumulated Totals
Production, kW-h	24,427	22,570	18,128	0	1,225,671.00

(1) Cost adjustment for Reclamation percentage for Secondary power costs and CAWD's percentage for Tertiary's power costs due to the Lab's power usage.



STAFF REPORT



To: Board of Directors
From: Ray De Ocampo - Laboratory/Environmental Compliance Supervisor
Date: June 30, 2022
Subject: Monthly Report – May 2022

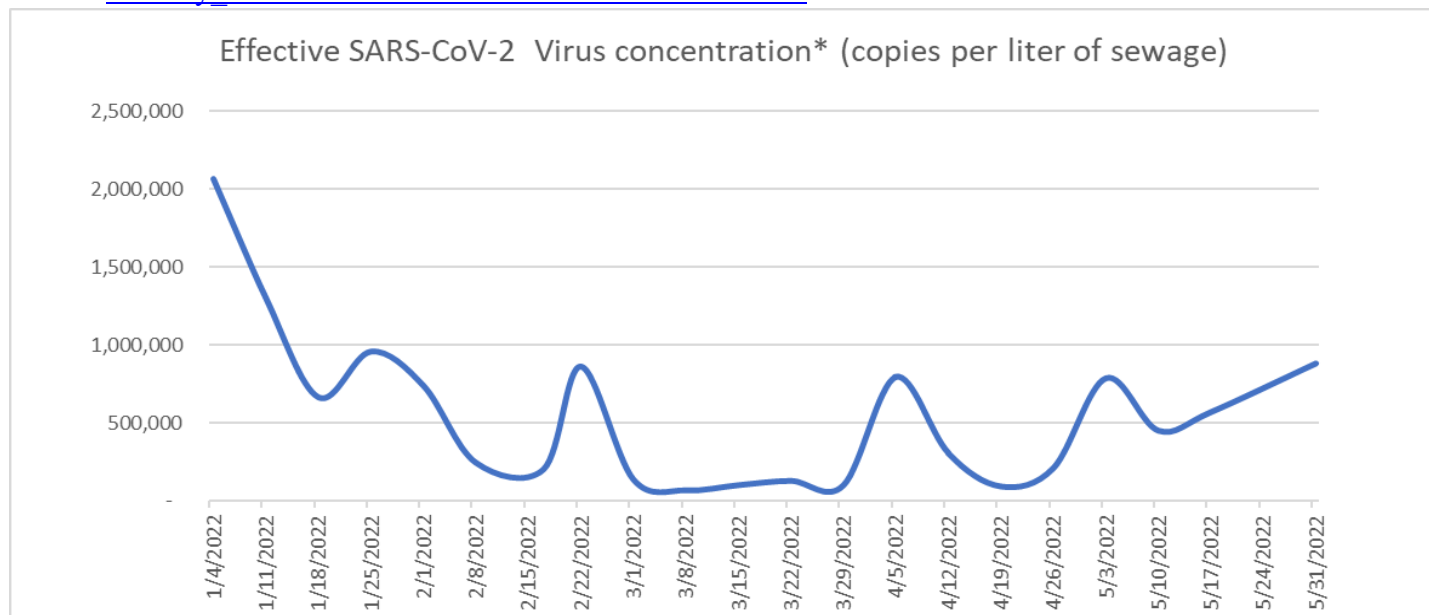
RECOMMENDATION

Receive Report - Informational only; No action required.

DISCUSSION

LABORATORY REPORT

- Biobot Analytics continues to provide COVID-19 analysis for Carmel Area Wastewater District (CAWD) composite samples of the Influent Pump Station. Biobot samples are available upon request and can also be viewed on the CAWD website: https://www.cawd.org/biobot-analytics-weekly-reports-of-concentration-levels-sars-cov-2#/body_file-e72defec-6488-4185-b5f3-ab45b2fe531e.



* Effective virus concentration values are derived by adjusting the raw virus concentration to account for dilution & other factors (copies per liter of sewage)

- On May 10, 2022, Tertiary Filtered Effluent had a violation on the Minimum Chlorine Residual Metered Continuous reading of 2.17 mg\L, the requirement is 5.0 mg\L or higher. Operations Supervisor Young notified both the Plant Superintendent and Laboratory Supervisor of the violation. Detailed explanation of the violation is in the attached letter to the Central Coast Regional Board and the Operations June board report.

ENVIRONMENTAL COMPLIANCE REPORT

- On May 13, 2022, Mountain Mike’s Pizza had a Fats, Oil and Grease (FOG) inspection and was not compliant for proper maintenance of the grease trap. The first Notice of Violation (NOV) was issued during the inspection on May 16th. On the follow up inspection conducted on May 20, 2022 the vendor was in compliance.
- On May 27, 2022, Mr. De Ocampo met with the City of Carmel’s Environmental Compliance Manager, Agnes Martlet, and the new Environmental Compliance Administration Technician, Jessica Juico, to plan for the upcoming City of Carmel’s Stormwater inspections.

Restaurant Inspections

Restaurant	Compliant	Reason for Non-Compliance	Comments
Little Swiss Cafe	Yes		
Village Gem	Yes		
Little Napoli	Yes		
La Bicyclette	Yes		
Cypress Inn	Yes		
The Crossroads Barbeque	Yes		
Subway	Yes		
Chopstix	No	Excessive Grease	Warning issued, follow up inspection was compliant.
Carmel Bakery	Yes		
Flaherty’s Fish House	No	Excessive Grease	Warning issued, follow up inspection was compliant.
Mulligans Public House	Yes		
Wedgewood Wedding Banquet	No	Excessive Grease	Warning issued, follow up inspection was compliant.
Mountain Mike’s Pizza	No	Excessive Grease	Notice of Violation fine issued for \$75.00, follow up inspection was compliant.
Forge in the Forest	Yes		
The Cottages of Carmel	Yes		

Restaurant	Compliant	Reason for Non-Compliance	Comments
Sur at The Barnyard	Yes		
Aabha Indian Cuisine	Yes		
Highlands Inn	Yes		

Grocery Store/Delicatessen Inspections

Grocery Store/Delicatessen	Compliant	Reason for Non-Compliance	Comments
n/a			

Compliance Register

% Compliance	Maintenance	Mechanical
March 2022	100%	100%
April 2022	100%	100%
May 2022	77.8%	100%

Project Number	GL	Task Name	Manager	Start	Finish	Current FY Budget	Cumulative Budget	Status	2021		2022		2023		2024	
									H1	H2	H1	H2	H1	H2	H1	H2
Projects Implementation Plan Schedule																
Treatment Plant Capital Projects																
18-01	1620.000	Elec/Mech Rehab and Sludge Holding Tank Replacement Project	Treanor	4/30/18	7/25/23	\$5,000,000	\$10,946,671	In Construction	Sludge Holding Tank Replacement Project							
18-05	5858.004	PLC/SCADA Programming	Foley	10/8/18	12/31/21	\$200,000	\$455,807	Anticipated Completion June 2022	PLC/SCADA Programming							
18-28	1626.000	Perimeter Tree Plan and Implementation	Treanor	7/1/19	6/30/26	\$60,000	\$237,897	Planning Stakeholder Meeting	Perimeter Tree Plan and Implementation							
19-21	1993.000	Carmel River FREE Mitigation	Treanor	6/1/20	11/29/24	\$0	\$0	Design/Permitting/Developing Funding Agreement	Carmel River FREE Mitigation							
19-19	1634.000	Aeration Basin Improvements	Waggoner	7/1/20	6/30/22	\$0	\$9,030	Planning Installation for 2022	Aeration Basin Improvements							
19-18	1593.000	Perimeter Fencing	Treanor	7/1/22	6/29/23	\$200,000	\$200,000	Design Phase	Perimeter Fencing							
22-03		WWTP Gas and Water Main Replacement	Treanor	5/2/22	6/30/23	\$0	\$300,000	In Study Phase	WWTP Gas and Water Main Replacement							
22-04	5500.006	CAWD Bridge and Trail Project	Treanor	3/1/21	2/29/28	\$0	\$550	Developing Presentation Materials	CAWD Bridge and Trail Project							
Reclamation Capital Projects																
18-26	14777	Sulfuric Acid and Citric Acid Storage and Feed Systems	Treanor	1/1/19	9/30/22	\$370,000	\$438,743	In Construction	Sulfuric Acid and Citric Acid Storage and Feed Systems							
21-09	14776	SCADA Migration	Foley	11/1/21	10/31/22	\$140,000	\$140,000	In Progress 71%	SCADA Migration							
21-10		Fiber Wrap PVC Pipe	Foley	4/1/22	6/30/22	\$25,000	\$25,000	Pending	Fiber Wrap PVC Pipe							
		Reclamation 15-Year Asset Management Assessment	Treanor	7/1/21	6/30/23	\$50,000	\$50,000	Request Qualifications from Consultants	Reclamation 15-Year Asset Management Assessment							
Collections Capital Projects																
19-03	1586.000	Carmel Meadows Sewer Replacement	Lather	8/1/19	1/19/23	\$150,000	\$2,014,551	In Design / CEQA	Carmel Meadows Sewer Replacement							
20-07	1636.000	Bay/Scenic Pump Station Rehabilitation	Lather	12/31/20	6/30/23	\$250,000	\$756,726	In Design	Bay/Scenic Pump Station Rehabilitation							
20-08	1635.000	Scenic Rd Pipe Bursting - Ocean to Bay	Lather	2/5/21	6/30/23	\$1,200,000	\$1,280,276	In Design / CEQA	Scenic Rd Pipe Bursting - Ocean to Bay							
21-05	1637.000	Pescadero Creek Area Pipe Relocation	Lather	7/1/21	6/30/23	\$450,000	\$1,700,000	In Design	Pescadero Creek Area Pipe Relocation							
20-06		Collections 15-Year CIP	Lather	7/1/20	7/1/40	\$0	\$62,899,430	Work In Progress	Collections 15-Year CIP							
Collections Non-Capital Projects																
20-05		River Watch Agreement	Lather	2/21/20	2/21/24	\$0	\$0	Work In Progress	River Watch Agreement							
22-02	6130.005/ 6140.005	2022 Manhole Frame and Lids Replacement at Various Locations	Lather	2/1/22	10/10/22	\$55,000	\$55,000	Complete	2022 Manhole Frame and Lids Replacement at Various Locations							
21-06	6140.005	Manhole Rehabilitation	Lather	7/1/22	6/29/23	\$150,000	\$150,000	On Hold Till Next FY	Manhole Rehabilitation							
Assessment Districts/Annexations																
19-09	5500.005	2020 Sphere of Influence Amendment and Annexation Proposal	Lather	3/15/19	3/1/22	\$0	\$50,000	In process of obtaining CDP Ammendment for annexations in coastal zone	2020 Sphere of Influence Amendment and Annexation Proposal							
18-21	1631.000/ 2505.000	Corona Road Assessment District	Lather	8/2/18	12/2/22	\$0	\$0	In Design / CEQA	Corona Road Assessment District							
19-08	1632.000	Carmel Valley Manor Pipeline and Pump Station	Lather	7/3/18	6/30/22	\$0	\$0	Re-Design by Property Owner in Progress	Carmel Valley Manor Pipeline and Pump Station							
18-29	9095.000	September Ranch Subdivision	Lather	9/1/22	8/30/24	\$0	\$0	Development Pending	September Ranch Subdivision							

Project Number	GL	Task Name	Manager	Start	Finish	Current FY Budget	Cumulative Budget	Status	2021		2022		2023		2024		
									H1	H2	H1	H2	H1	H2	H1	H2	
		Rancho Canada Subdivision	Lather	3/1/23	2/27/25	\$0	\$0	In Design by Property Owner									
		<u>Other Non-Capital Projects</u>															
		Workforce Now	Foley			\$0	\$0	Implementation									
		Employee Contract Negotiations	Buikema			\$0	\$0	In Progress									
		Real Property Investigation	Buikema			\$75,000	\$75,000	Evaluation in Progress									
		Cyber Security	Foley			\$17,000	\$17,000	Ongoing									
		Lean Six Sigma	Buikema			\$0	\$0	Green Belt Level Training and Certification									
22-01	5500.006	Long Term SLR Planning	Buikema / Treanor	5/3/21	2/29/40	\$250,000	\$1,400,000	In Progress									
		Source Control Grease Task Force	Lather			\$0	\$0	In Progress									

Treatment Plant Capital Project Summaries



Photo: New Sludge Tank Under Construction

Project Number: 18-01		
Project Name: Wastewater Treatment Plant (WWTP) – Elec/Mech Rehab & Sludge Holding Tank Replacement Project		
Project Location: Wastewater Treatment Plant		
Project Manager: Treanor		
Status: In Construction		
Project Description: This project is a multi-area project at the WWTP aimed at mitigating risk of failure in the Influent Pump Station, Headworks, 3W/Chlorine Analyzer Building, Effluent Building and Sludge Storage Tank. Most of the work involves replacing aged electrical and mechanical equipment in existing buildings.		
Department: Treatment		
Financial:	Cumulative Budget:	Cumulative Spent:
	\$10,946,671	\$4,186,795
Financial:	FY Budget:	FY Spent:
	\$5,000,000	\$2,933,333
Reclamation Share:	Estimated at 2.7% of project cost.	
Other Entities:	Pebble Beach Community Services District, CAWD/PBCSD Reclamation Project	
Permits Required:	Coastal Commission Notification	
Challenges:	Electrical Cutover Coordination; Steel tank vs concrete design to code	
Schedule:	<ul style="list-style-type: none"> Construction anticipated for FY21/22 into FY22/23 	
Consultants:	Design: Kennedy/Jenks Consultants Construction Management: Currie Engineers	
Contractor:	Clark Bros. Inc.	

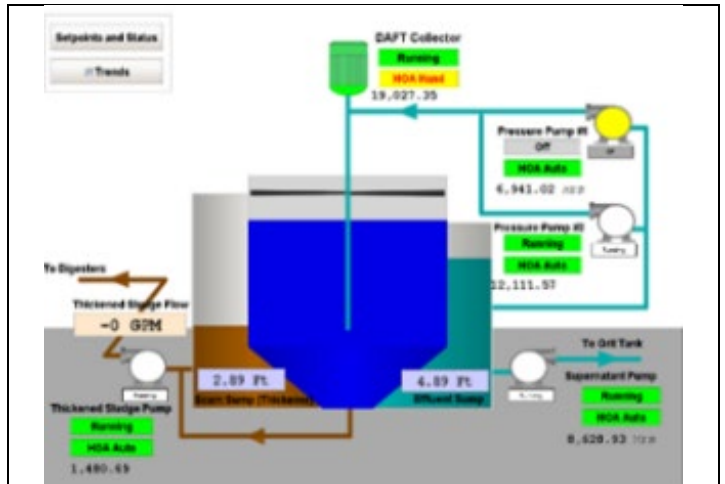


Photo: DAFT SCADA Overview Screen

Project Number: 18-05		
Project Name: Programmable Logic Controller (PLC) and Supervisory Control and Data Acquisition (SCADA) Programming Project		
Project Location: Wastewater Treatment Plant		
Project Manager: Foley		
Status: Anticipated Completion June 2022		
Project Description: During the Phase 1 project a new SCADA software package from Inductive Automation was installed to parallel the existing system. This project includes the migration of the remaining SCADA screens from the legacy system to the new system. The PLC code is also being updated to the CAWD standards that are being developed during this project. This project is necessary to replace obsolete software and hardware so that the automated controls, alarms, and reporting remain accurate and reliable.		
Department: Treatment		
Financial:	Cumulative Budget:	Cumulative Spent:
	\$455,807	\$273,297
Financial:	FY Budget:	FY Spent:
	\$200,000	\$17,490
Reclamation Share:	Partial Reclamation	
Other Entities:	None	
Permits Required:	None	
Schedule:	Some minor additional work remains and will be completed by 06-30-22	
Consultants:	Frisch Engineering	



Photo: Eucalyptus trees on South Side of Treatment Plant

Project Number:	18-28	
Project Name:	Perimeter Tree Plan and Implementation	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Trenor	
Status:	Planning Stakeholder Meeting	
Project Description:	Planning and landscaping around the treatment plant. This will include looking into possibly replacing the non-native eucalyptus trees around the perimeter of the treatment plant with native tree species. The project will start with a study and a plan to determine costs, sequencing schedule, and visual impacts. The Eucalyptus trees around the plant have ongoing maintenance costs, which may be offset in the long term with a different type of tree screening. The purpose is to improve security around plant perimeter.	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$237,897	\$5,020
Financial:	FY Budget:	FY Spent:
	\$60,000	\$2,123
Reclamation:	N/A	
Other Entities:	N/A	
Permits Required:	Currently unknown (In Study Phase)	
Challenges:	Time it will take for new trees to grow up that will fully screen treatment plant from view	
Schedule:	<ul style="list-style-type: none"> Study moved to 2022; anticipate completion 06-30-26 	
Consultants:	Scott Hall Landscape Design	
Contractor:	TBD	

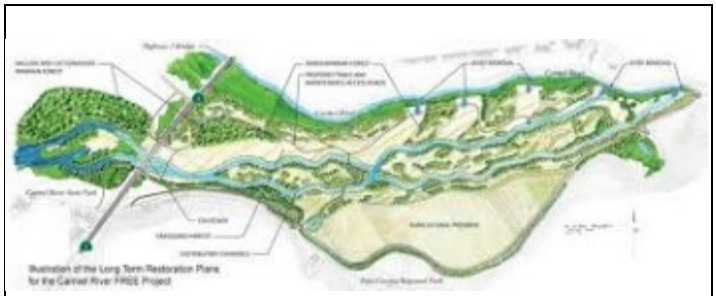


Photo: Carmel River Floodplain Restoration and Environmental Enhancement (CRFREE)

Project Number:	19-21	
Project Name:	Carmel River Floodplain Restoration & Environmental Enhancement (CRFREE) Mitigation	
Project Location:	Carmel River Lagoon	
Project Manager:	Trenor	
Status:	Design/Permitting/Developing Funding Agreement	
Project Description:	The CRFREE Project intends to create a new river channel in the Carmel River lagoon floodplain, which will significantly impact existing wastewater pipelines that cross the lagoon. To fully mitigate impacts from CRFREE the pipelines which are currently crossing over a portion of the lagoon are proposed to be installed underground using Horizontal Directional Drilling construction methods.	
Department:	Engineering	
Financial:	Coastal Conservancy Grant Budget:	Cumulative Spent: \$618,569
	\$750,000	FY Spent: \$130,756
** Project is being funded by CRFREE initiated grants		
Reclamation Share:	N/A	
Other Entities:	Monterey County	
Permits Required:	Coastal Commission, CA Fish and Wildlife, Army Corp of Engineers, Regional Water Quality Control Board (RWQCB)	
Challenges:	Construction near environmentally sensitive habitat and obtaining new easement from State Parks	
Schedule:	<ul style="list-style-type: none"> Construction anticipated in Summer 2023 	
Consultants:	Design: Kennedy Jenks and Staheli Trenchless CEQA: Johnson Marigot	
Contractor:	TBD	



Photo: Existing air diffuser system

Project Number: 19-19		
Project Name: WWTP – Aeration Basin Improvements		
Project Location: Wastewater Treatment Plant		
Project Manager: Waggoner		
Status: Planning Installation for 2022		
Project Description: The Aeration Basins 4A & 4B need to have additional diffusers installed to ensure the proper air (oxygen) transfer into the wastewater to support the aerobic microorganisms in the basins.		
Department: Treatment		
Financial:	Cumulative Budget:	Cumulative Spent:
	\$17,332	\$17,332
Financial:	FY Budget:	FY Spent:
	\$0	\$8,302
Reclamation Share:	N/A	
Other Entities:	N/A	
Permits Required:	N/A	
Challenges:	Weather conditions and Scheduling	
Schedule:	<ul style="list-style-type: none"> Design is complete Materials ordered and received Construction anticipated for 2022 	
Consultants:	N/A	
Contractor:	N/A	



Photo: Existing Dilapidated Fence

Project Number: 19-18		
Project Name: Perimeter Fencing		
Project Location: Wastewater Treatment Plant		
Project Manager: Treanor		
Status: Design Phase		
Project Description: Install a new fence around the perimeter of the WWTP.		
Department: Treatment		
Financial:	Cumulative Budget:	Cumulative Spent:
	\$200,000	\$0
Financial:	FY Budget:	FY Spent:
	\$200,000	\$0
Reclamation Share:	N/A	
Other Entities:	N/A	
Permits Required:	California Environmental Quality Act (CEQA) Mitigated Negative Declaration (MND), Coastal Developmental Permit (CDP) Notification	
Challenges:	Environmental Mitigations	
Schedule:	<ul style="list-style-type: none"> Design in FY22-23 Construction in FY23-24 	
Consultants:	Kennedy Jenks	
Contractor:	TBD	



Photo: Gas Meter on North Side of River

Project Number:	22-03	
Project Name:	WWTP Gas and Water Main Replacement	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Treanor	
Status:	In Study Phase	
Project Description:	The WWTP natural gas and water utility service exists on the opposite side of the Carmel River from the WWTP. CAWD owns the piping under the river for these utilities. The water line and gas line are PVC and identified as having a high risk of failure. The gas line is needed for plant operations to provide supplementary heating to the digesters for thermophilic digestion.	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$300,000	\$0
Financial:	FY Budget:	FY Spent:
	\$0	\$0
Reclamation Share:	N/A	
Other Entities:	Cost Share w/ Collections @ 5.5%	
Permits Required:	TBD	
Challenges:	Underground work in riparian area	
Schedule:	<ul style="list-style-type: none"> Currently undergoing alternatives analysis study Design in FY22-23 Construction in FY23-24 	
Consultants:	Kennedy Jenks	
Contractor:	N/A	



Photo: Conceptual Rendering of Public Use and Bridge

Project Number:	22-04	
Project Name:	CAWD Bridge and Trail Project	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Treanor	
Status:	Developing Presentation Materials	
Project Description:	Construct a new bridge at the location of the existing CAWD bridge over the Carmel River. Bridge would be open for public use and would allow for new walking trails to connect the City of Carmel-by-the-Sea (Mission Trail) to the Regional Parks (Palo Corona).	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$550	\$550
Financial:	FY Budget:	FY Spent:
	\$0	\$0
**No budget. Funding potential via Carmel River Settlement grants.		
Reclamation Share:	N/A	
Other Entities:	State Parks, Catholic Diocese, City of Carmel-by-the-Sea, Regional Parks District	
Permits Required:	TBD	
Challenges:	Underground work in riparian area	
Schedule:	Pending an application for grant funding.	
Consultants:	TBD	
Contractor:	TBD	

Reclamation Capital Project Summaries



Photo: Existing totes used for Sulfuric Acid storage and Feed

Project Number: 18-26		
Project Name: Sulfuric Acid & Citric Acid Storage & Feed Systems Project		
Project Location: Reclamation – Microfiltration (MF)/Reverse Osmosis (RO)		
Project Manager: Treanor		
Status: In Construction		
Project Description: Code compliance upgrades for existing acid chemical storage and feed system used by Reclamation for enhancing RO recovery. Project includes code compliant secondary containment and separation of dissimilar chemicals.		
Department: Treatment		
Financial:	Cumulative Budget: \$438,743	Cumulative Spent: \$68,743
	FY Budget: \$370,000	FY Spent: \$0
Reclamation Share:	100%	
Other Entities:	Reclamation Project	
Permits Required:	Coastal Commission Notification	
Challenges:	Hazardous Chemical Safety	
Schedule:	Construction 2021/2022	
Consultants:	Trussell Technologies, Inc	
Contractor:	Monterey Peninsula Engineering	

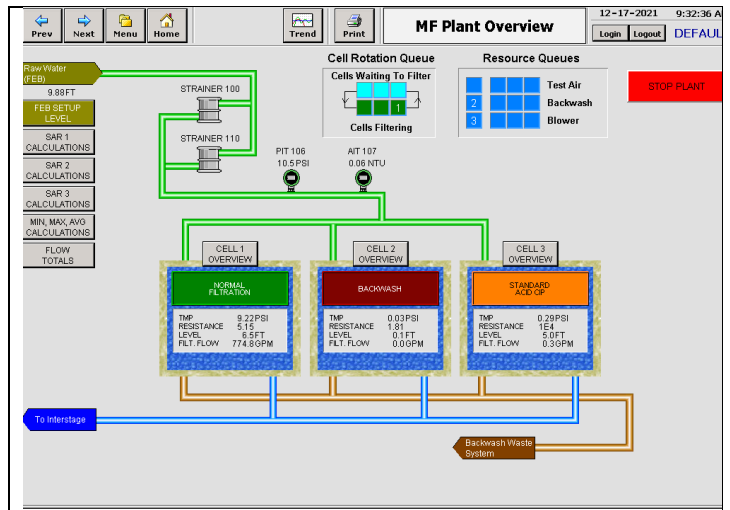


Photo: Microfiltration SCADA Overview

Project Number: 21-09		
Project Name: Reclamation Supervisory Control and Data Acquisition (SCADA) Migration Project		
Project Location: Reclamation Plant		
Project Manager: Foley		
Status: In Progress 71%		
Project Description: Migration of reclamation legacy from RSView32 SCADA screens, alarms and trending to Ignition SCADA platform utilized by the treatment plant and collections pump stations. The legacy system software is no longer supported and poses a cybersecurity risk. It has been in service for 14+ years and the hardware is past its useful life. The new system will be more secure and installed on modern reliable hardware.		
Department: Reclamation		
Financial:	Cumulative Budget: \$140,000	Cumulative Spent: \$99,075
	FY Budget: \$140,000	FY Spent: \$30,827
Reclamation Share:	100%	
Other Entities:	Reclamation Project	
Permits Required:	None	
Challenges:	Structure of old Programming	
Schedule:	Work started in December 2021	
Consultants:	Frisch Engineering	

Collections Capital Project Summaries



Photo: View gravity pipe in Carmel easement

Project Number: 19-03		
Project Name: Carmel Meadows Sewer Replacement		
Project Location: Collection System		
Project Manager: Lather		
Status: In Design / California Environmental Quality Act (CEQA)		
Project 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 and was originally installed in the early 1960's.		
Department: Collections		
Financial:	Cumulative Budget:	Cumulative Spent:
	\$2,014,551	\$468,541
Financial:	FY Budget:	FY Spent:
	\$150,000	\$89,977
Permits Required: Coastal Permit and Environmental Review		
Challenges: Redirecting the sewer to the pump station without requiring booster pumps for individual houses.		
Schedule: Design and Environmental Review completed by 6/28/22. Construction to begin FY22/23.		
Consultants: SRT Consultants, WRA Environmental		
Contractor: TBD		



Photo: Looking at Pump Station Exterior

Project Number: 20-07		
Project Name: Bay/Scenic Pump Station Rehabilitation		
Project Location: Collection System		
Project Manager: Lather		
Status: In Design		
Project Description: Remodel the interior of the pump station and update SCADA panel to remove from areas prone to flooding.		
Department: Collections		
Financial:	Cumulative Budget:	Cumulative Spent:
	\$756,726	\$30,892
Financial:	FY Budget:	FY Spent:
	\$250,000	\$21,031
Reclamation Share:		0%
Other Entities:		Carmel-by-the-Sea, Coastal Commission
Permits Required:		Exemptions from CEQA & Coastal Commission
Challenges:		Traffic Control
Schedule:		Design 2021, Construct 2022, completed by 06-23
Consultants:		SRT
Contractor:		Pending



Photo: Pipe Bursting Limits on Scenic

Project Number:		20-08
Project Name:		Scenic Rd Pipe Bursting - Ocean to Bay
Project Location:		Collection System
Project Manager:		Lather
Status:		In Design / CEQA
Project 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.
Department:		Collections
Financial:	Cumulative Budget:	Cumulative Spent: \$187,223
	FY Budget:	FY Spent: \$81,125
Reclamation Share:		0%
Other Entities:		Carmel-by-the-Sea, Coastal Commission
Permits Required:		CEQA & Coastal Commission permit required.
Challenges:		Traffic control & poorly mapped underground utilities. Cultural Resources at southern end of project.
Schedule:		Design 2021-2022, Construct 2023, completed 06-23
Consultants:		MNS, Rincon
Contractor:		Pending

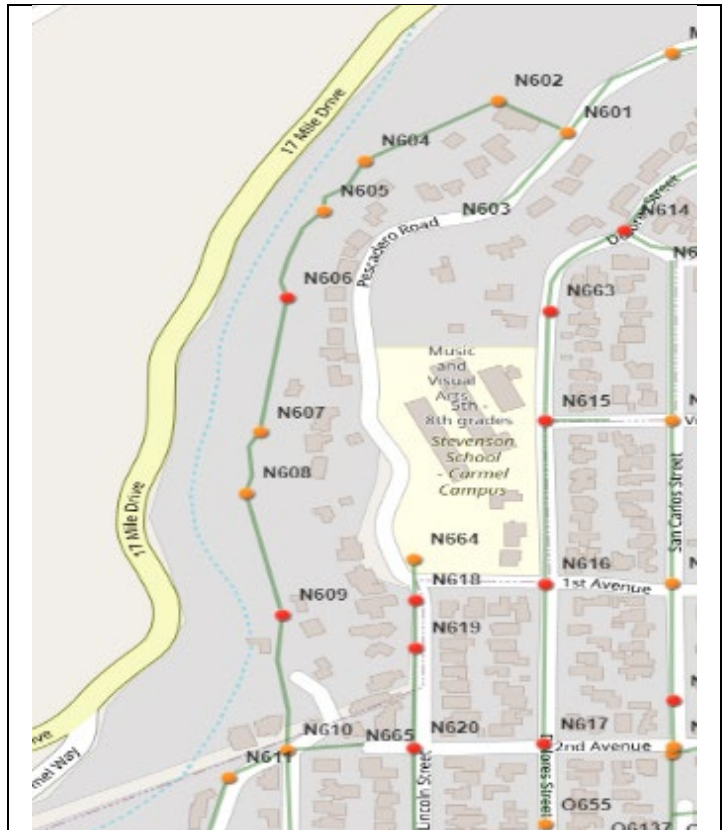


Photo: Sewer Line at Pescadero Creek

Project Number:		21-05
Project Name:		Pescadero Creek Area Pipe Relocation
Project Location:		Collection System
Project Manager:		Lather
Status:		In Design
Project Description:		Relocate damaged pipe from creek slope to roadway
Department:		Collections
Financial:	Cumulative Budget:	Cumulative Spent: \$83,483
	O&M FY Budget:	FY Spent: \$83,483
Reclamation Share:		0%
Other Entities:		N/A
Permits Required:		Environmental Review
Challenges:		Narrow road, depth of manhole, houses to be placed on individual pumps
Schedule:		Start design, public outreach, & Environmental in Winter 2022/23.
Consultants:		MNS, Denise Duffy
Contractor:		TBD

Category	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Total
1. Construction	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	150,000,000
2. Administration	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	15,000,000
3. Contingency	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	15,000,000
Total	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	180,000,000

Photo: LT Capital Schedule

Project Number:	20-06	
Project Name:	Collections 15 -Year CIP	
Project Location:	Collection System	
Project Manager:	Lather	
Status:	Work in Progress	
Project Description:	Utilize updated sewer line inspection information and flow modeling to develop a 20-year Construction Improvement Plan	
Department:	Collections	
Projection of Total Capital Costs-15-Yr \$63M	Construction Costs: \$63M	Administration Costs: \$10M (20% engineering, legal, admin.)
Financial:	Cumulative 15YR Budget: EST \$63M	Cumulative Spent: N/A
	FY Budget: N/A	FY Spent: N/A
Reclamation Share:	0%	
Other Entities:	River Watch-see project #20-05	
Permits Required:	none	
Challenges:	Need all pipeline CCTV results to be completed to develop plan.	
Schedule:	2020 - 2040	
Consultants:	West Yost	
Contractor:	N/A	

Collections Non-Capital Project Summaries



Photo: River Watch logo

Project Number:			20-05
Project Name:			River Watch Agreement
Project Location:			Collection System
Project Manager:			Lather
Status:			Work in Progress
Project Description:			Work with Collections to provide data that is needed to satisfy the milestones in the agreement with River Watch. As of May 2022, staff has completed all of the 1,478 District manholes for the FY.
Department:			Collections
Financial:	Cumulative Budget:	Cumulative Spent:	
	N/A	N/A	
	FY Budget:	FY Spent:	
	N/A	N/A	
Reclamation Share:		0%	
Other Entities:		River Watch	
Permits Required:		none	
Challenges:		Closed caption television (CCTV) scheduling deadlines. The Board agreed to increase staffing by one full time equivalent (FTE) to assist in meeting the required schedule. Received 1 yr. extension from River Watch due to COVID-19.	
Schedule:		Due date June 2023	
Consultants:			
Contractor:		N/A	

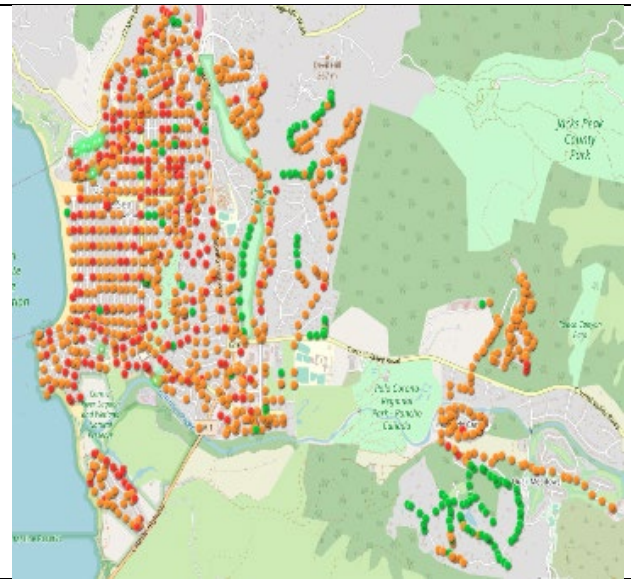


Photo: Manhole Inspection Map

Project Number:			22-02
Project Name:			2022 Manhole Frame & Lid Replacement at Various Locations
Project Location:			Collection System
Project Manager:			Lather
Status:			Construction Completed
Project Description:			Remove and replace 29 frames, rings and lids at various locations
Department:			Collections
Financial: O&M	Cumulative Budget:	Cumulative Spent:	
	\$205,000	\$0	
	FY Budget:	FY Spent:	
	\$205,000	\$48,900	
Reclamation Share:		0%	
Other Entities:		N/A	
Permits Required:		none	
Challenges:		Traffic control	
Schedule:		Completed June 2022.	
Consultants:		none	
Contractor:		Coastal Paving & Excavating	

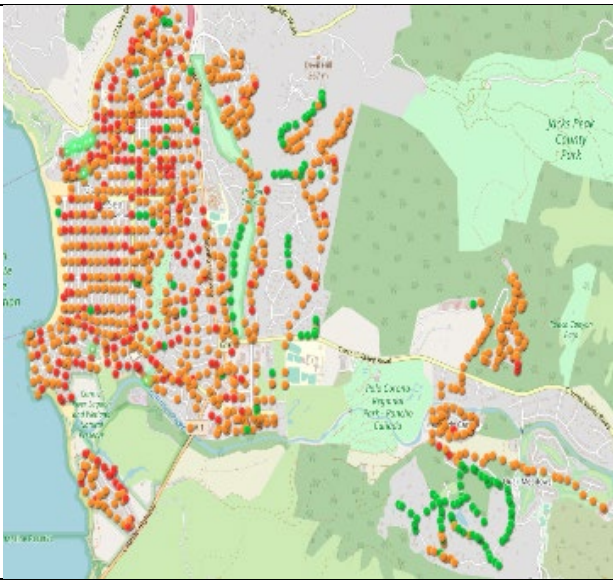


Photo: Manhole Inspection Map

Project Number:	21-06	
Project Name:	Manhole Rehabilitation	
Project Location:	Collection System	
Project Manager:	Lather	
Status:	On Hold Till Next FY22-23	
Project Description:	Line Manholes with a solvent-free rigid polyurethane material that seals surface and provides structural integrity & to prevent inflow/infiltration	
Department:	Collections	
Financial: O&M	Cumulative Budget: \$150,000/year	Cumulative Spent: \$0
	22/23 FY Budget: \$362,300	FY Spent: \$0
Reclamation Share:	0%	
Other Entities:	N/A	
Permits Required:	none	
Challenges:	Traffic control	
Schedule:	Complete by 06-23	
Consultants:	none	
Contractor:	TBD	



Photo: Sewer Line Repair

Project Number:	21-02	
Project Name:	2021 Pipeline Spot Repairs	
Project Location:	Collection System	
Project Manager:	Lather	
Status:	Notice of Completion in April	
Project Description:	Repairs to damaged sections of pipe at various locations throughout the District as noted in sewer video inspections.	
Department:	Collections	
Financial: O&M	Cumulative Budget: \$150,000 (FY21-22)	Cumulative Spent: \$134,400
	FY Budget: \$150,000 (FY21-22)	FY Spent: \$133,855
Reclamation Share:	0%	
Other Entities:	N/A	
Permits Required:	City Encroachment	
Challenges:	Traffic control in area of town, depth of repair.	
Schedule:	Start date January 5, 2022. Completed on April 8, 2022.	
Consultants:	Pacific Engineering, geotechnical	
Contractor:	Rooter King & Pacific Crest Engineering	

Assessment Districts/Annexations

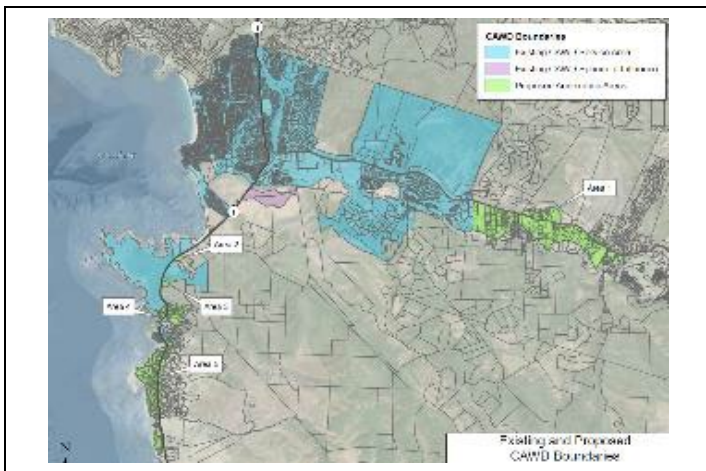


Photo: Areas of Potential Annexation

Project Number: 19-09		
Project Name: 2020 Sphere of Influence (SOI) Amendment & Annexation Proposal		
Project Location: Collection System		
Project Manager: Lather		
Status: In process of obtaining Coastal Development Permit Amendment for annexations in Coastal Zone		
Project Description: The project will provide access for homes and businesses currently on septic systems and add 350 new connections to the District at build-out.		
Department: Collections		
Financial:	Cumulative Budget: \$105,000 (55K+50K)	Cumulative Spent: \$73,675
	FY Budget: \$0	FY Spent: \$17,230
** No Budget included for Annexation b/c costs will be recouped through annexation fees.		
Permits Required:	Environmental Review, Local Agency Formation Commission (LAFCO) Annexation Approval	
Challenges:		
Schedule:	Waiting for State Board of Equalization	
Consultant:	Denise Duffy & Associates	

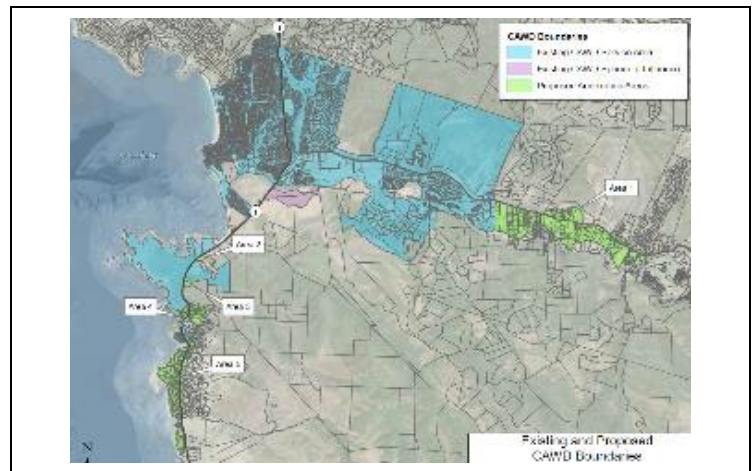


Photo: Areas of Potential Annexation

Project Number: 18-21		
Project Name: Corona Road Sewer Assessment District		
Project Location: Collection System		
Project Manager: Lather		
Status: In process of completing an Assessment Engineer's report, Coastal Permit application and environmental documents.		
Project Description: The project will provide sewer facilities to the Corona Road neighborhood and parcels on the west side of Highway 1, across from Corona Road. #18-21 Corona Road (Deferred Revenue)**)		
Department: Collections		
Financial:	Cumulative Budget: \$0	Cumulative Spent: \$
	FY Budget: \$0	FY Spent: \$
** No Budget included for project because the initial costs were funded by Corona Road residents.		
Permits Required:	Coastal Permit, CalTrans Encroachment permit, Environmental Review	
Challenges:	Assessment District process/approval and obtaining easements for pump station. Funds from homeowners in the amount of \$67K have been received by CAWD.	
Schedule:	Complete studies July/August 2022, Assessment District proceeding September	
Consultant:	Denise Duffy & Associates and Monterey Bay Engineers	

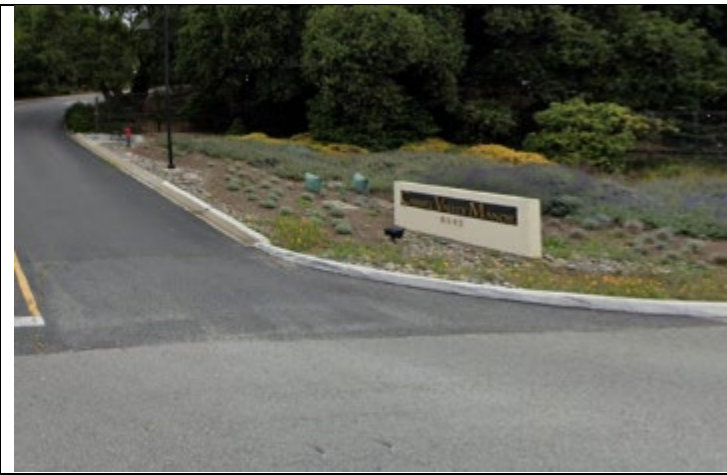


Photo: Entrance to Carmel Valley Manor

Project Number:	19-08	
Project Name:	Carmel Valley Manor Pipeline and Pump Station	
Project Location:	Collection System	
Project Manager:	Lather	
Status:	Re-Design by Property Owner in Progress	
Project Description:	Sewer extension project to be completed by the owners of Carmel Valley Manor to connect to CAWD's sewer system. Riley Ranch, #19-08 Carmel Valley Manor (Deferred Revenue)	
Department:	Collections	
Financial: this is an unbudgeted item-under repayment agreement (no funds received)	Cumulative Budget:	Cumulative Spent:
	FY Budget:	FY Spent:
	\$0	\$180
	\$0	\$180
Other Entities:	The prospect of a pipeline has given rise to a plethora of potential additional connections	
Permits Required:	County Encroachment Permit, Environmental Review completed.	
Challenges:	Funding, Repayment Agreement, easement agreements LAFCO annexation	
Schedule:	Approved without protest at 3/22/21 LAFCO hearing.	
Consultants:	MNS and Rincon are working for Carmel Valley Manor to permit and design the project.	
Contractor:	N/A	

Other Non-Capital Project Summaries



ADP Workforce Now

Photo: ADP Clip Art

Project Number:	N/A	
Project Name:	Workforce Now	
Project Location:	All Supervisor Locations	
Project Manager:	Foley	
Status:	Implementation	
Project Description:	Implementation of a comprehensive Human Resource (HR) software database for all supervisors and employees to utilize. Modules provide employee development tracking, benefits administration, custom performance review templates, and employee goal management.	
Department:	Administration	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$0	\$2,520 (annual fee)
Financial:	FY Budget:	FY Spent:
	\$0	\$2,520 (annual fee)
Challenges:	Technical issues need to be resolved & employee training	
Schedule:	Anticipate implementation in the Summer 2022	
Consultants:	ADP	



Photo: Handshake

Project Number:	N/A	
Project Name:	Employee Contract Negotiations	
Project Location:	Administration	
Project Manager:	Barbara Buikema	
Status:	In Progress	
Project Description:	Bi-annual negotiations with Employee Groups	
Department:	Administration	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$0	\$0
Financial:	FY Budget:	FY Spent:
	\$0	\$0
Schedule:	Requesting ratification of employee MOU in the June 30 board meeting	
Consultants:	None	



Photo: Real Estate Clip Art

Project Number:	N/A	
Project Name:	Real Property Investigation	
Project Location:	Carmel Valley	
Project Manager:	Barbara Buikema	
Status:	Evaluation in Progress	
Project Description:	An investigation of a possible new treatment facility site in the mouth of the Carmel Valley, which is in response to the Coastal Commission requirement to move facilities within 30 years.	
Department:	Administration	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$75,000	\$0
Financial:	FY Budget:	FY Spent:
	\$75,000	\$0
Permits Required:	None – at this time	
Challenges:	Limited land possibilities, regulatory hurdles, and zoning	
Schedule:	12 months	
Consultants:	Mahoney & Associates	



Photo: Cyber Security Clip Art

Project Number:	N/A	
Project Name:	Cyber Security	
Project Location:	District-wide	
Project Manager:	Chris Foley	
Status:	Ongoing	
Project Description:	Internal Cyber Security Incident Response Team (CSIRT) formed, and they are working on a response plan & training. The upgrades to email filtering system have been completed. Stricter geofencing policies have been put in place, and a cold backup system that is sandboxed from the network was installed March 2022.	
Department:	All	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$17,000	\$0
Financial:	FY Budget:	FY Spent:
	\$17,000	\$0
Challenges:	Ongoing training & the need for continual upgrades as skills of hackers grow.	
Schedule:	Continually updating	
Consultant:	Exceedio	



Photo: Six Sigma Clip Art

Project Number:		N/A	
Project Name:		Lean Six Sigma	
Project Location:		Management staff	
Project Manager:		Barbara Buikema	
Status:		Green Belt Level Training & Certification	
Project Description:		Currently all managers have been assigned the task of earning a Green Belt certification. A couple of staff members will be moving on to the Black Belt self-study course. Also, will investigate an in-person trainer for the implementation of a specific agreed upon project.	
Department:		Administration	
Financial:	Cumulative Budget:	Cumulative Spent:	
	\$0	\$2,000	
Financial:	FY Budget:	FY Spent:	
	\$0	\$2,000	
Permits Required:		None	
Challenges:		Implementation phase	
Schedule:		Ongoing	
Consultants:		Self-study online	
Trainer:		To be determined	



Photo: California coastline

Project Number:		22-01	
Project Name:		Long-Term Sea Level Rise Planning	
Project Location:		Treatment Plant	
Project Manager:		Barbara Buikema/Patrick Treanor	
Status:		In Progress	
Project Description:		As conditions of Coastal Permit #3-82-199-A8 - the District submitted its Long-Term Coastal Hazards Plan on 03-03-22. Bringing a Wastewater Treatment Plant Alternatives Planning Assistance consultant services contract to the Board in May 2022.	
Department:		Administration	
Financial:	Cumulative Budget:	Cumulative Spent:	
	\$1,400,00	\$ 0	
Financial:	FY Budget:	FY Spent:	
	\$250,000	\$0	
Permits Required:		In response to California Coastal Commission	
Challenges:		Establishing focus on long term objectives and committing to follow through items.	
Schedule:		WWTP Relocation Alternatives on May 2022 agenda	
Consultants:		Greeley & Hansen	

STAFF REPORT

To: Board of Directors
From: Ed Waggoner, Operations Superintendent
Date: June 30, 2022
Subject: Monthly Operations Report – May 2022



RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

Plant Operation

Treatment Plant:

- The treatment plant operations staff continued finishing projects and concentrating on Preventative Maintenance Work Orders during the month of May. This included the implementation of the Operations Flood Preparation Standard Operating Procedures from the Plant Engineer.
- (Project #18-05) Programmable Logic Controller/Supervisory Control and Data Acquisition (PLC/SCADA)- Operations staff has been meeting and working with Maintenance and Frisch Engineering on the upgrades and programming of the PLC/SCADA System.

Reclamation:

- Staff continued preventative maintenance work on pumps, motors, and any equipment that needed maintenance for the Microfiltration and Reverse Osmosis Systems.
- Staff completed Clean-in-Place (CIP) cleans on Microfiltration (MF) Cells 1, 2 and 3. All cells cleaned successfully with Trans Membrane Pressures (TMPs) pressures ranging between 1.8 to 6.5 pounds per square inch (psi).
- May 9th staff shut down the Microfiltration (MF) and Reverse Osmosis (RO) System due to lack of Ammonium Hydroxide for Chloramine Disinfection flow before the MF/RO systems. The MF/RO systems cannot have free chlorine in the water as free chlorine can damage the MF Modules and RO Membranes to the point of failure. The vendor supplying the Ammonium Hydroxide did not have enough chemical delivery drivers for delivery on the requested date. The vendor rescheduled the delivery date twice and the second delay caused the storage tank at the treatment facility to empty causing the shut-down.
- May 10th staff received Ammonium Hydroxide and restarted the MF/RO systems. Staff experienced some start up issues that caused a permit violation of Waste Discharge Permit #93-72. See the District attached letter to the Central Coast Regional Board explaining details of the events causing the permit violation.

Training:

- May 18th the Operations Superintendent attended an Operation Certification Information Training offered by the Monterey Bay Water Works Association on updated Certification Regulations for the State of California.
- Staff continues to complete online training at the treatment facility from Target Solutions as Carmel Area Wastewater District (CAWD) implements its new safety policies for the Exposure Control Plan updates for the COVID-19 virus.
- Staff continues to participate in scheduled tailgate safety meetings in the digester building conference room.

Capital Improvement:

- Staff continues working with Plant Engineer, Patrick Treanor, on Project #18-01, the Electrical/Mechanical Rehabilitation and Sludge Holding Tank Replacement Project for the following areas: Influent Pump Station, Headworks, Blower Building, Chlorination/Dechlorination Building, Effluent Building, Digester No. 1, Digester No. 1 Control Building and Dewatering Building.

Meetings Attended

- May 11, 2022, conference call with Peter VonLangen of the Central Coast Regional Board on Permit #93-72 violation of Chlorine Residual below 5 mg/L while sending water to the Forest Lake Reservoir.
- May 19, 2022, Operations staff attended a conference call with Trussell Technologies on reviewing the operational performance of the Microfiltration and Reverse Osmosis Systems.
- May 27th in-house management meeting to review upcoming Safety Culture Survey.
- (Project #18-01) A Teams Meeting on the construction progress of the Electrical/Mechanical Rehabilitation and Sludge Holding Tank Replacement Project for the following areas: Influent Pump Station, Headworks, Blower Building, Chlorination/Dechlorination Building, Effluent Building, Digester No. 1, Digester No. 1 Control Building and Dewatering Building.

Discharge Permit Violations

- There were no Reclamation Permit 93-72 discharge violations for the month of April 2022.
- There were no violations of the National Pollutant Discharge Elimination System (NPDES) Number CA0047996, Order No. R3-2014-0012 within the month of April 2022.

FUNDING

N/A-Informational item only

Attached: District letter Central Coast Regional Board



District Carmel Area Wastewater

P.O. Box 221428 Carmel California 93922 ❖ (831) 624-1248 ❖ FAX (831) 624-0811

Barbara Buikema
General Manager
Edward Waggoner
Operations Superintendent
Robert R. Wellington
Legal Counsel

Board of Directors
Gregory D'Ambrosio
Michael K. Rachel
Robert Siegfried
Charlotte F. Townsend
Ken White

Attention Peter VonLangen,

This is the follow up report of the telephone call from Kevin Young Operations Supervisor of Carmel Area Wastewater District on May 11, 2022.

Permit Violation:

The WDR order No. 93-72 (B) Reclamation Specifications, Section 5 states, "Chlorine residual in reclaimed water shall equal or exceed 5 mg/L, as measured within the chlorine contact zone at the end of the chlorine contact chamber" for Carmel Area Wastewater District (CAWD).

Chloramine System Events:

May 9, 2022 the reclamation system was shut down due to a shortage of Ammonium Hydroxide resulting from the supply vendor not having enough truck drivers for the number of daily deliveries scheduled that day. The Ammonium Hydroxide vendor rescheduled delivery for May 10, 2022.

Note: when CAWD staff shut down the reclamation treatment process, many of the warning alarms were disabled to prevent nuisance alarms overnight for on-call staff.

CAWD staff at 12:30 pm. on May 10, 2022 after receiving Ammonium Hydroxide for the Chlorination system and during the Chloramine system start-up, staff experienced about 60 minutes of time where the Ammonium Hydroxide pumps were not dosing correctly into the Chlorine contact channels due to air being purged from the pumping system from the previous days shut down. The air purging problem was remedied, and chemical dosing resumed as normal.

A consequence of the lack of Ammonium Hydroxide being properly dosed, the Initial Combined Chlorine Residual was erratic. However, the Combined Chlorine Residual became stable once the Ammonium Hydroxide pumps were operating correctly.

Permit Violation Events:

At 1517 hours on May 10, 2022 the Final Chlorine residual went below 5 mg/L as trended on the Supervisor Control and Data Acquisition (SCADA) because of the lack of Ammonium Hydroxide dosage. Trending shows the Chlorine residual lowest value as 1.69 mg/L for this first event.

This situation reoccurred from 2050 until 2230 hours as trended on SCADA. Trending shows the Chlorine residual lowest value as 1.99 mg/L for this second event.

Alarm Notification Events:

The on-call operator was not notified of any alarms from the Reclamation facility till 1745 hours when receiving a Zone 3 via First Alarm. Based on the alarm log listed in Ignition, it was for a Low pH alarm condition.

The on-call operator accessed SCADA remotely to determine the problem and any corrective actions. It was recognized that a low pH alarm existed but noticed the reclaim pumps were still sending water to the Poppy Hills storage tank. The operator attempted to manipulate the reclaim pump start/stop control set points to stop the pumps, but the pumps failed to stop.

The operator returned to the plant and manually turned off the reclaim pumps. After manually checking the pH in the reclaim wet well, the on-line meter was found to be reading low. The on-line meter was reading 6.4 pH and the water tested at 6.7 pH thus the water was within the WDR requirements of ≥ 6.5 pH thus no violation for this parameter.

The operator then realized when reviewing the process trend history that there was a low Final Chlorine residual condition that had existed, but he had not received any notification from either First Alarm or Ignition. By the time the operator arrived at the plant for the pH alarm, the low Final Residual condition had already corrected itself thus no alarm was present.

The on-call operator reviewed the RS view alarm Enable/Disable screens for the Low Final residual, and it was enabled on RS View. The operator then contacted his supervisor to discuss the situation. The plant superintendent was then texted, and the violation was verified the next morning after further review through SCADA.

SCADA Notification Failure:

There were two primary causes for the on-call operator not receiving any notification for the Low Final Residual alarm condition which resulted in the discharge violation:

1. The operator assigned to the Reclamation Facility didn't enable all the required alarms on both RS View and Ignition SCADA platforms after the system was placed back into operation at the end of the day thus no notification was sent to operational staff and/or to the on-call Operator for the low Final Chlorine residual.

2. As part of the Reclamation SCADA upgrade Frish Engineering had set-up many of the alarm blocks for Reclamation from RS View (old SCADA platform) to Ignition (new SCADA platform) as part of the SCADA upgrade. It was operations understanding that these alarms run in parallel (with both RS View and Ignition) thus if either SCADA system receives an alarm the operation staff would be notified. This did not happen on the day in question.

In addition, when Frish Engineering set-up the alarm (enable/disable) functions they made it where the alarm set points affected the process control (was not that way in the past) and not used only for alarm notification purposes.

The previous SCADA programming was set-up to where if the alarm was in the disabled mode, the PLC would continue to automatically turn off the required equipment to prevent any out of compliance water quality event from discharging from the facility. This would ensure that no out of water quality parameters would cause a discharge violation of Carmel Area Wastewater District Discharger Permit.

Corrective Measures:

1. CAWD staff has updated the Standard Operating Procedures (SOP) to ensure all system start-up requirements are met and all process alarms are enabled. This includes a new operational check list and training as part of the SOP's.
2. Reclamation duty operator on May 10, 2022 has received updated training on system start-up, chemical injection, and was assigned the task for updating the SOP's. Management has reviewed and approved the SOP update.
3. The recent alarm Enable/Disable function for the upgraded SCADA system is being reviewed by CAWD staff and Frish Engineering to prevent any future alarm condition from not shutting down the processes.
4. Due to the recent Ammonium Hydroxide supply issues CAWD staff in investigating the possibility of increasing the existing on-site storage as a long-term goal. Engineering review is currently under way.
5. CAWD staff and Frish Engineering have corrected the control programming issue related to the reclaimed pump level control. This has been field tested and is operating correctly.

Respectfully Submitted,

A handwritten signature in blue ink that reads "Edward Waggoner". The signature is written in a cursive style with a large initial 'E'.

Edward Waggoner

Operations Superintendent
Carmel Area Wastewater District
Phone (831) 624-1249, ext. 291
waggoner@cawd.org

STAFF REPORT



To: Board of Directors

From: Chris Foley, Maintenance Superintendent

Date: June 30, 2022

Subject: Monthly Maintenance Report – May 2022

RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

Maintenance Projects in Progress/Completed

- Maintenance Department is auditing the list of instrument devices such as flow meters, level controllers, and pressure transmitters. The updated list will be valuable for planning replacements and expanding the predictive maintenance program. Currently staff performs electronic verification on permit instruments. The plan is to expand this to all instruments once per year to better predict failures and replace instruments before they fail. Greg Ange, Maintenance Mechanic II. is the lead on this project.
- (Project 21-09) Work is continuing on the reclamation Supervisory Control and Data Acquisition (SCADA) project with Frisch engineering. Draft screens have been completed for the tertiary and microfiltration/reverse osmosis common equipment. Staff is currently performing a cross reference on the alarms from the old system to the new SCADA system.
- Bryan Mailey Electric, Inc. has been identifying and removing old wiring in the Chlorination/Dechlorination building. The goal is to identify any unknown devices so the cutover to the new electrical panels, as part of the electrical mechanical rehabilitation project, goes smoothly with minimal wiring corrections.

Upcoming Maintenance Projects

- The welding for the new microturbine gas compressor is completed. Staff is working on the startup date with gas compressor vendor.
- Staff has requested bids to replace the reverse osmosis train flow meters and microfiltration flow meter. These flow meters are critical and showing signs of their age.
- The annual preventative maintenance for the exhaust fans and air conditioning equipment is scheduled for July. Staff is updating the list since some of the equipment has been removed or changed as part of the electrical mechanical rehabilitation project.

Staff Development

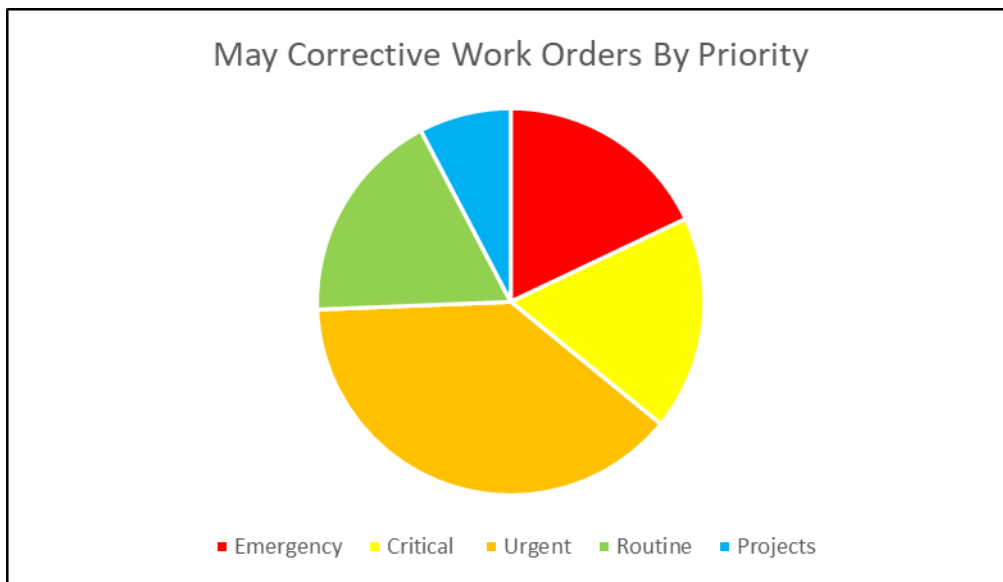
- Interviews for the Collections/Maintenance Utility Worker have been completed. Staff selected a candidate and made a job offer and the background and physical are in progress.
- The Computerized Maintenance Management System Coordinator (CMMS) Karla Cristi retired from the District. Her official last day was June 3rd. Karla's amazing work ethic, attention to detail and overall knowledge and skills will be greatly missed at the District.

Work Order Metrics

Preventive Maintenance

Total Work Orders Generated	401
Total Work Orders Closed/Done	381
Total Work Orders Still Open	20
Percentage of Work Orders Completed	95.01%

Corrective Maintenance



Emergency	7
Critical	7
Urgent	15
Routine	7
Projects	3

FUNDING

N/A- Informational item only

STAFF REPORT



To: Board of Directors
From: Rachél Lather, Principal Engineer
Date: June 30, 2022
Subject: General Engineering

RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

This report is provided to update the Board of the Carmel Area Wastewater District (District) on current engineering activities during the month of May 2022.

General Engineering

The Principal Engineer continues to work on projects related to the 2021 Annexation, including Yankee Point, Carmel Valley Manor and Corona Road. The Corona Road project engineer, Monterey Bay Engineers, Inc., has completed surveying the project site and the environmental/permitting process has begun. The engineer is also moving forward with updating the draft assessment engineer's report per the suggestions given by the bond counsel, Jones Hall, and has been developing easement documents for the project.

Carmel Valley Manor (CVM) is continuing to work on their project to connect to the District and have delayed their project in order to work with Cañada Woods to utilize another pipeline alignment that will benefit the District and CVM. It is our understanding that they plan to start construction in September 2022. The engineer has not received a completed Sewer Installation Agreement from CVM.

The District has contacted the September Ranch developer, Mark Abrahams, CEO of the Carmel Reserve LLC because we were informed that they are bidding the construction of the subdivision. Mr. Abrahams was unaware that they need to complete a Sewer Installation Agreement with the District and was provided a copy of a draft agreement. In addition, the Rancho Cañada Village development was provided a copy of the draft Sewer Installation Agreement.

FUNDING

N/A- Informational item only

Resolutions

STAFF REPORT



To: Board of Directors

From: Rachél Lather, Principal Engineer

Date: June 30, 2022

Subject: Project # 19-03 Carmel Meadows Lift Station and Sewer Replacement Project (proposed project) Final Initial Study/Mitigated Negative Declaration Adoption pursuant to the California Environmental Quality Act (CEQA)

RECOMMENDATION

It is recommended that the Board of Directors:

1. Review and consider the attached Initial Study/Mitigated Negative Declaration (IS/MND) and Mitigation Monitoring and Reporting Plan (MMRP) for the Carmel Meadows Lift Station and Sewer Replacement Project;
2. Find that based on the IS/MND and the public review that there is no substantial evidence that the project will have a significant effect on the environment and that the mitigated negative declaration reflects the District's independent judgment and analysis;
3. Adopt the IS/MND pursuant to the California Environmental Quality Act (CEQA) Guidelines;
4. Adopt the accompanying MMRP; and
5. Adopt the Resolution to Approve the project and adopt the IS/MND.

DISCUSSION

The project is located in the Carmel Meadows Subdivision in Monterey County. The project would replace the existing sewer system serving the odd number houses located at 2795 to 2955 Ribera Road. The project would include installation of a below grade sewage lift station, replacement of two sections of existing 6-inch vitrified clay pipe with 8-inch high-density polyethylene pipe, installation of a new sewer, installation of four new residential scale grinder pumps, rehabilitation of approximately 400 feet of existing sewer line, and removal of above-ground sections of the existing collector line.

The new sewer line would convey flow to the new sewage lift station on the plateau. The lift station would be higher up the slope, closer to the houses, and away from the Carmel River Lagoon. The project would remove potential environmental risk to the estuary while upgrading the sewer facilities.

At the March 31, 2022 Board meeting, the Board of Directors was presented with the Draft IS/MND for the Carmel Meadows Lift Station and Sewer Replacement Project. Before the meeting, public notifications were published, and county and state filings were submitted as required by CEQA. The formal public comment period of 30 days commenced on April 16, 2022 and was completed on May 16, 2022. Three comment letters were received during the public comment period. Two comment letters were from Monterey County Housing and Community Development. One comment letter was from a public member. Responses to comments can be viewed in the Final IS/MND.

The Final IS/MND is attached for the Board review to facilitate adopting a Mitigated Negative Declaration for the project in accordance with Section 15074 of CEQA Guidelines. A MMRP is included in the IS/MND and is also attached. The MMRP summarizes the mitigation measures that must be adopted by the Board in accordance with Section 15074 of CEQA Guidelines.

FUNDING

The project costs of \$1,760,000, are included in the FY 21-22 budget for \$200K and carry forward of \$1.5M in the FY 22-23 Budget.

Attachments: Resolution No. 2022-27
 Final IS/MND (under separate cover)
 MMRP (under separate cover)

RESOLUTION NO. 2022-27

**RESOLUTION TO ADOPT AN INITIAL STUDY/MITIGATED NEGATIVE
DECLARATION (IS/MND) AND; THE MITIGATION MONITORING & REPORTING
PROGRAM (MMRP) FOR THE CARMEL MEADOWS LIFT STATION AND SEWER
REPLACEMENT PROJECT- #19-03**

-oOo-

WHEREAS, the Carmel Area Wastewater District ("District") desires to adopt the Initial Study/Mitigated Negative Declaration ("IS/MND") and Mitigation Monitoring and Reporting Program (MMRP) for the Carmel Meadows Lift Station and Sewer Replacement Project (the "Project"), which is on file with the District Secretary to the Board and incorporated herein by this reference; and

WHEREAS, pursuant to the § 15074 California Environmental Quality Act ("CEQA"), the IS/MND was prepared for this Project; and

WHEREAS, the Project consists of replacement of the existing sewer system serving the odd number houses located at 2795 to 2955 Ribera Road. Project elements include the following: installation of a below grade sewage lift station, replacement of two sections of existing 6-inch vitrified clay pipe with 8-inch high-density polyethylene pipe, installation of a new sewer, installation of four new residential scale grinder pumps, rehabilitation of approximately 400 feet of existing sewer line, and removal of above-ground sections of the existing collector line.

WHEREAS, upon completion of the IS/MND, the District, as the Lead Agency, prepared and filed a Notice of Completion ("NOC") with the State Clearinghouse Office of Planning and Research ("SCH OPR"), for distribution to public agencies and interested parties for a public review period, commencing on April 16, 2022, and ending on May 16, 2022; and

WHEREAS, copies of the IS/MND were provided to all responsible agencies, and copies were also made available at the County of Monterey Office of the County Clerk; and

WHEREAS, the District published a Notice of Intent to Adopt an IS/MND in the local newspaper and posted a copy of the notice and IS-MND document at the Monterey County Clerk's Office, and at the District Office; and, online on the District's website; and

WHEREAS, during the public review period, the District received three (3) written comment letters on the IS/MND; and

WHEREAS, the IS/MND identifies potentially significant impacts to the environment, including but not limited to specific impacts to biological resources, cultural and tribal cultural resources, geology and soils, and noise, which impacts can and will be avoided or mitigated to less than significant levels through adoption and implementation of the mitigation measures proposed as part of the Project, the IS/MND and MMRP.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors makes the following findings as required by CEQA with respect to the proposed Project:

- A. That the IS/MND was prepared in accordance with all legal requirements of CEQA, including all public notice and comment period requirements;
- B. That the Board of Directors has considered the IS/MND and the opportunity to comment within the public comment period, as well as the opportunity to comment after the public comment period and prior to the date of this Resolution;
- C. That the IS/MND identified all potentially significant environmental impacts of the Project, including but not limited to specific potentially significant impacts to biological resources, cultural and tribal cultural resources, paleontological resources, and noise, which impacts can and will be avoided or mitigated to less than significant levels through adoption and implementation of the mitigation measures proposed as part of the Project, IS/MND, and MMRP;
- D. That the IS/MND reflects the District's independent judgment and analysis;
- E. That there is no substantial evidence in the record that the Project, as mitigated, will have a significant negative effect on the environment;
- F. That the administrative record is located in Carmel Area Wastewater District Office, at 3945 Rio Road, Carmel, California 93923; and

G. That the Board Secretary is designated as the location and custodian of the documents and other material constituting the record of proceedings upon which this decision is based.

NOW, THEREFORE, BE IT FURTHER RESOLVED, by the Board of Directors of the Carmel Area Wastewater District, based upon all of the oral and documentary evidence in the record, as follows:

1. That the IS/MND and the MMRP for the Project is adopted; and
2. That the District Board hereby approves the Carmel Meadows Lift Station and Sewer Replacement Project as described in the IS/MND.

PASSED AND ADOPTED by the Board of Directors of the Carmel Area Wastewater District on June 30, 2022 by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary to the Board

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, GM

Date: June 30, 2022

Subject: Authorizing Continued Remote
Teleconference Meetings Through July 30, 2022

RECOMMENDATION

It is recommended that the Board of Directors proclaim a local emergency and authorize remote teleconference meetings for the period July 1 through July 30, 2022.

DISCUSSION

Since March 2020, Governor Newsom has issued a series of Executive Orders (N-25-20, N-29-20, N-35-20) declaring the State of California has been under a State of Emergency aimed at containing COVID-19. The Executive Orders modified certain requirements created by the Ralph M. Brown Act (Brown Act) or the state's local agency public meetings law. The District has been successfully operating under these conditions since they went into effect.

On June 11, 2021, the Governor issued Executive Order N-08-21 which rescinds the modifications made to the Brown Act effective September 30, 2021. After that date, agencies are required to observe all the usual Brown Act requirements as they existed prior to issuance of the orders.

However, after discussions with the California Special District's Association (CSDA), the Governor's office, and other stakeholders, the Governor's office modified its approach and Assembly Bill (AB) 361 was introduced in February 2021 and provides local agencies with the ability to meet remotely during proclaimed state emergencies under modified Brown Act requirements, similar in many ways to the rules and procedures established by the Governor's Executive Orders. Specifically, AB 361 suspends the requirements located in Government Code, section 54953. In short this means that during a state of emergency, under specified circumstances, local agencies can meet pursuant to modified Brown Act requirements.

AB 361 extends public meeting teleconferencing until January 1, 2024. With the Omicron variant leading to a rise of cases in California, it allows local governments to continue to conduct virtual meetings as long as there is a state proclaimed state of emergency, but it will not be quite as flexible as it had been under the Executive Order. It requires local officials to find that meeting in person would present an imminent safety risk to attendees. The key difference between Executive Order N-29-20 and AB 361 is that AB 361 requires a public comment period where the public can address the legislative body directly. It prohibits the board from limiting public comments only to those submitted in advance and specifies that the board must provide an opportunity for the public to comment in real time.

Local governments must reconsider the exemption every 30 days to ensure that the state of emergency proceeds and that local circumstances maintain that a health/safety risk exists. Essentially, the continued exemption of the Brown Act is dependent on when the State COVID-19 state of emergency ends. Carmel Area Wastewater District (CAWD) has been open to the public for several months with a type of hybrid whereby the Board and legal counsel are in the board room and some staff members are remote.

Staff is asking the board to approve continuance of open in-person meetings for the Board and referral of the public to the ZOOM link. Please note that we have also found some participants prefer to use ZOOM rather than making the trip to our offices – it is very convenient to sign on from home. We may find that we continue offering ZOOM meetings well after the pandemic disappears to accommodate customers who desire to participate virtually.

Finally, the requirement is month-to-month renewal of the resolution. We will bring this item back to the Board monthly as long as the State of Emergency remains in force.

FUNDING – No Impact

RESOLUTION NO. 2022-28

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE CARMEL AREA WASTEWATER DISTRICT (CAWD), PROCLAIMING A LOCAL EMERGENCY, RATIFYING THE PROCLAMATION OF A STATE OF EMERGENCY BY GOVERNOR'S ORDER #N-25-20 DATED MARCH 4, 2020, AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF CAWD FOR THE PERIOD JULY 1 THROUGH JULY 30, 2022, PURSUANT TO BROWN ACT PROVISIONS.

WHEREAS, the Carmel Area Wastewater District (District) is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

WHEREAS, all meetings of Carmel Area Wastewater District's legislative bodies are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and watch the District's legislative bodies conduct their business; and

WHEREAS, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code section 8558; and

WHEREAS, a proclamation is made when there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the jurisdictions that are within the District's boundaries, caused by natural, technological, or human-caused disasters; and

WHEREAS, it is further required that state or local officials have imposed or recommended measures to promote social distancing, or, the legislative body meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, such conditions now exist in the District, specifically, a State of Emergency has been proclaimed – Governor's order #N-25-20 dated March 4, 2020; and

WHEREAS, a State of Emergency exists in California due to the threat of COVID-19 and despite sustained efforts, the virus remains a threat, and further efforts to control the spread of the virus to reduce and minimize the risk of infection are needed; and

WHEREAS, the Board of Directors does hereby find that due to threat from the COVID-19 virus, and, California Occupational Safety & Health Administration (Cal/OSHA) COVID-19 Prevention Standards, AND, the District's written COVID-19 Prevention Policy has caused, and will continue to cause, conditions of peril to the safety of persons within the District that are likely to be beyond the control of services, personnel, equipment, and facilities of the District, and desires to proclaim a local emergency and ratify the proclamation of state of emergency by the Governor of the State of California; and

WHEREAS, as a consequence of the local emergency, the Board of Directors does hereby find that the legislative bodies of Carmel Area Wastewater District shall conduct their meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, the District is holding public meetings but requires the public to use ZOOM for access.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF CARMEL AREA WASTEWATER DISTRICT DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

Section 2. Proclamation of Local Emergency. The Board hereby proclaims that a local emergency now exists throughout the District, and meeting in person with members of the public or staff would present a risk of infection to all present in a meeting.

Section 3. Ratification of Governor's Proclamation of a State of Emergency. The Board hereby ratifies the Governor of the State of California's Proclamation of State of Emergency, effective as of its issuance date of March 4, 2020.

Section 4. Remote Teleconference Meetings. The General Manager and legislative body of the Carmel Area Wastewater District are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.

Section 5. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective until the earlier of July 30, 2022, or such time the Board of Directors adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the legislative bodies of Carmel Area Wastewater District may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

PASSED AND ADOPTED by the Board of Directors of Carmel Area Wastewater District, this day of June 30, 2022, by the following vote:

AYES: BOARD MEMBERS:
NOES: BOARD MEMBERS:
ABSENT: BOARD MEMBERS:
ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

Domine Barringer, Secretary to the Board

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: June 30, 2022

Subject: Certification of Compliance with State Law with Respect to the Levying of General and Special Taxes, Assessments and Property Related Fees and Charges for FY 2022-23

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution Certifying Compliance with State Law with Respect to the Levying of General and Special Taxes, Assessments, and Property Related Fees and Charges.

DISCUSSION

District user fees are collected using the Monterey County (County) tax rolls, and in order to ensure that the provisions of Proposition 218 are being addressed by the District, the Monterey County Auditor requires certification of compliance with the Proposition, including a hold harmless and indemnification provision for administrative expenses to the County associated with collection of user fees. This certification is required each year on or before August 1, before the processing of the secured tax roll bills for the coming fiscal year.

FINANCIAL

None

RESOLUTION NO. 2022-29

A RESOLUTION CERTIFYING COMPLIANCE WITH STATE LAW WITH RESPECT
TO THE LEVYING OF GENERAL AND SPECIAL TAXES, ASSESSMENTS AND
PROPERTY RELATED FEES AND CHARGES

-oOo-

WHEREAS, the Carmel Area Wastewater District (“Public Agency”) requests that the Monterey County Auditor-Controller enter those general or special taxes, assessments, or property related Fees or Charges identified in Exhibit “A” on the tax roll for collection and distribution by the Monterey County Treasurer-Tax Collector commencing with the property tax bills for fiscal year 2022-23.

NOW, THEREFORE, BE IT RESOLVED as follows:

1. The Public Agency hereby certifies that it has, without limitation, complied with all legal procedures and requirements necessary for the levying and imposition of the general or special taxes, assessments, or property-related fees or charges identified in Exhibit “A,” regardless of whether those procedures and requirements are set forth in the Constitution of the State of California, in State statutes, or in the applicable decisional law of the State of California.
2. The Public Agency further certifies that, except for the sole negligence or misconduct of the County of Monterey, its officers, employees and agents, the Public Agency shall be solely liable and responsible for defending, at its sole expense, cost and risk, each and every action, suit or other proceeding brought against the County of Monterey, its officers, employees and agents for every claim,

demand or challenge to the levying or imposition of the general or special taxes, assessments, or property related fees or charges identified in Exhibit "A" and that it shall pay or satisfy any judgment rendered against the County of Monterey, its officers, employees and agents on every such action, suit or other proceeding, including all claims for refunds and interest thereon, legal fees and court costs and administrative expenses of the County of Monterey to correct the tax rolls.

PASSED AND ADOPTED by the Board of Directors of the Carmel Area Wastewater District at a regular meeting duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

EXHIBIT "A"
TO
RESOLUTION CERTIFYING COMPLIANCE WITH STATE LAW WITH RESPECT
TO THE LEVYING OF GENERAL AND SPECIAL TAXES, ASSESSMENTS, AND
PROPERTY RELATED FEES AND CHARGES

FISCAL YEAR 2022-23

GENERAL TAXES: None

SPECIAL TAXES: None

ASSESSMENTS: None

FEES OR CHARGES:

1. Levied as an incident of property ownership: Sewer service user charges and sewer connection fees.
2. Other: None

Staff Report



To: Board of Directors

From: Barbara Buikema, General Manager

Subject: 2022-23 Property Tax Appropriations Limit

Date: June 30, 2022

RECOMMENDATION

It is recommended that the Board adopt a resolution determining the fiscal year 2022-23 tax proceeds appropriation limit to be \$2,673,977 based on the California Per Capita Income factor and the County of Monterey Population factor.

DISCUSSION

Article XIII B of the California Constitution specifies that appropriations made by state and local governments may increase annually by a factor composed of the change in population combined with either the change in California per capita personal income or the change in the local assessment roll due to local nonresidential construction. Proposition 111 now requires a recorded vote of the Board regarding which of the annual adjustment factors have been selected each year. Pursuant to Government Code Section 37200, the Appropriations Limit (Limit) and the total Appropriations Subject to Limitation must be published in the annual budget. The adoption must be done at a regular meeting or noticed via a special meeting. The documentation used to compute the Limit must be available to the public at least 15 days prior to the meeting. Once adopted, the public has 45 days to initiate judicial action regarding the Limit. An information form must be submitted to the State Controller's Office no later than 90 days after the start of each fiscal year.

Property taxes received may be reduced by qualified capital outlay with a useful life of 10 years and a value of at least \$100,000.

Data received from the State of California for purposes of computation follows:

California per capita personal income change for 2022-23	7.55%
Population changes for Monterey County 1-1-21 to 1-1-22	
Carmel-by-the-Sea	-1.74%
Unincorporated	-1.32%
Change in local assessment role for nonresidential construction	Not available.

SUMMARY

The attached schedule shows that the District is in compliance with the appropriation limit for the 2022-23 fiscal year.

**CARMEL AREA WASTEWATER DISTRICT
SCHEDULE OF NET PROCEEDS OF PROPERTY TAXES
UNDER/(OVER) APPROPRIATIONS LIMIT**

	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	Estimated 2021-22	Estimated 2022-23
PROPERTY TAXES RECEIVED	1,529,137	1,621,571	1,736,624	1,823,473	1,941,135	2,050,675	2,140,553	2,296,166	2,400,000	2,448,000
LESS: EXPENDITURES NOT SUBJECT TO APPROPRIATIONS LIMIT:										
1. QUALIFIED CAPITAL OUTLAY	(714,013)	(1,163,737)	(5,104,508)	(4,295,754)	(2,903,748)	(1,476,444)	(2,547,543)	(568,672)	(4,239,054)	(8,228,263)
(1) NET PROCEEDS SUBJECT TO LIMIT	815,124	457,834	(3,367,884)	(2,472,281)	(962,613)	574,231	(406,990)	1,727,494	(1,839,054)	(5,780,263)
LESS: OPERATING EXPENDITURES UNEXPENDED PROCEEDS OF TAXES BEFORE INTEREST ALLOCATION.....	(815,124)	(457,834)	3,367,884	2,472,281	962,613	(574,231)	406,990	(1,727,494)	1,839,054	5,780,263
INTEREST ALLOCATION (NOTE 2)	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
UNEXPENDED PROCEEDS OF TAXES..	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
(2) APPROPRIATIONS LIMIT (below)	1,843,690	1,856,924	1,927,858	2,036,260	2,132,512	2,214,312	2,311,061	2,403,256	2,530,291	\$2,673,977
NET PROCEEDS OF TAXES UNDER (OVER) APPROPRIATIONS LIMIT										
LINE (1) ABOVE MINUS LINE (2) ABOVE..	1,028,565	1,399,089	5,295,742	4,508,541	3,095,125	1,640,081	2,718,051	675,762	4,369,345	8,454,240

A plus figure on the above line indicates that the District is in compliance.

THE DISTRICT HAS FAILED TO COMPLY WITH THE APPROPRIATIONS LIMIT IN ONLY ONE YEAR - 1991\92. THE LAW STATES THAT ANY EXCESS OF TAXES RECEIVED DURING ONE YEAR MAY BE OFFSET BY THE OPPOSITE SITUATION THE FOLLOWING YEAR. DIEHL, EVANS & CO., CONSULTANTS VERIFIED ALL COMPLIANCE FIGURES FOR THE YEARS PRIOR TO 1991\92. THE SAME FORMULA USED BY DIEHL, EVANS IN THEIR COMPUTATIONS FOR YEARS PRIOR TO 1991\92 IS USED ABOVE. BASICALLY, PROPERTY TAXES NOT EXPENDED (REDUCED BY QUALIFIED CAPITAL OUTLAY AND OPERATING EXPENSES) IN EXCESS OF THE LIMIT MUST BE RETURNED TO THE STATE UNLESS OFFSET BY AN EQUAL AMOUNT IN THE FOLLOWING YEAR.

NOTE 1: QUALIFIED CAPITAL OUTLAY:

Beginning in fiscal year 1990-91, the District may offset proceeds of taxes by expenditures for "qualified capital outlay", which is defined as expenditure for assets with a useful life of 10 years or more and a value of \$100,000. The District's sewer replacement projects and Secondary Improvement projects are shown here.

NOTE 2: INTEREST ALLOCATION:

For purposes of this schedule, it has been assumed that the District expends proceeds of taxes upon receipt, for operating expenditures, before expending non-proceeds of taxes. Accordingly no interest income has been allocated to proceeds of taxes.

**CARMEL AREA WASTEWATER DISTRICT
SCHEDULE OF NET PROCEEDS OF PROPERTY TAXES
UNDER/(OVER) APPROPRIATIONS LIMIT**

Schedule A

**CARMEL AREA WASTEWATER DISTRICT
APPROPRIATIONS LIMIT CALCULATIONS**

Fiscal Year	Inflation Factor U.S. CPI	California Per Capita Income	County of Monterey Population Factor	Combined Factor	Cumulative Factor	Approp. Limit
Base Yr.)						\$255,766
1979-80	1.1017	-	1.0140	1.1171	1.1171	\$285,716
1980-81	-	1.1211	1.0158	1.1388	1.2722	\$325,373
1981-82	-	1.0912	1.0169	1.1096	1.4116	\$361,033
1982-83	1.0679	-	1.0043	1.0725	1.5139	\$387,172
1983-84	-	1.0235	1.0195	1.0434	1.5796	\$404,029
1984-85	1.0474	-	1.0159	1.0641	1.6808	\$429,927
1985-86	1.0374	-	1.0230	1.0613	1.7838	\$456,282
1986-87	1.0230	-	1.0346	1.0584	1.8879	\$482,929
1987-88	1.0304	-	1.0151	1.0460	1.9747	\$505,144
1988-89	1.0393	-	1.0213	1.0614	2.0960	\$536,210
1989-90	1.0498	-	1.0088	1.0590	2.2198	\$567,846
1990-91	-	1.0421	1.0162	1.0590	2.3507	\$601,349
1991-92	-	1.0414	1.0265	1.0690	2.5129	\$642,842
1992-93	-	0.9936	1.0229	1.0464	2.5541	\$653,252
1993-94	-	1.0272	1.0253	1.0532	2.6899	\$687,997
1994-95	-	1.0071	1.0369	1.0443	2.8091	\$718,472
1995-96	-	1.0472	1.0197	1.0678	2.9996	\$767,206
1996-97	-	1.0467	1.0096	1.0567	3.1699	\$810,744
1997-98	-	1.0467	1.0174	1.0649	3.3756	\$863,371
1998-99	-	1.0415	1.0470	1.0905	3.6810	\$941,464
1999-00	-	1.0453	1.0293	1.0759	3.9604	\$1,012,946
2000-01	-	1.0491	1.0305	1.0811	4.2816	\$1,095,094
2001-02	-	1.0782	1.0173	1.0969	4.6963	\$1,201,157
2002-03	-	0.9873	1.0135	1.0006	4.6993	\$1,201,912
2003-04	-	1.0231	1.0111	1.0345	4.8612	\$1,243,325
2004-05	-	1.0328	1.0156	1.0489	5.0990	\$1,304,139
2005-06	-	1.0526	1.0013	1.0540	5.3741	\$1,374,521
2006-07	-	1.0396	1.0038	1.0436	5.6083	\$1,434,425
2007-08	-	1.0442	1.0067	1.0512	5.8955	\$1,507,862
2008-09	-	1.0429	1.0156	1.0592	6.2443	\$1,597,081
2009-10	-	1.0062	1.0145	1.0208	6.3741	\$1,630,284
2010-11	-	0.9746	1.0137	0.9880	6.2973	\$1,610,642
2011-12	-	1.0251	1.0063	1.0316	6.4961	\$1,661,471
2012-13	-	1.0377	1.0091	1.0471	6.8023	\$1,739,798
2013-14	-	1.0512	1.0081	1.0597	7.2085	\$1,843,690
2014-15	-	0.9977	1.0095	1.0072	7.2602	\$1,856,924
2015-16	-	1.0382	1.000	1.0382	7.5376	\$1,927,858
2016-17	-	1.0537	1.0024	1.0562	7.9614	\$2,036,260
2017-18	-	1.0369	1.01	1.0473	8.3377	\$2,132,512
2018-19	-	1.0367	1.0016	1.0384	8.6576	\$2,214,312
2019-20	-	1.0385	1.005	1.0437	9.0358	\$2,311,061
2020-21	-	1.0373	1.0025	1.0399	9.3963	\$2,403,256
2021-22	-	1.0573	0.9958	1.0529	9.8930	\$2,530,291
2022-23	-	1.0755	0.9826	1.0568	10.4548	\$2,673,977

RESOLUTION NO. 2022-30

A RESOLUTION DETERMINING THE FISCAL YEAR 2022-23
TAX PROCEEDS APPROPRIATION LIMITATION FOR THE
CARMEL AREA WASTEWATER DISTRICT

-oOo-

WHEREAS, Article XIII-B of the California Constitution provides that there shall be specified appropriations limits for each entity of local government, with permitted annual adjustments of same; and

WHEREAS, pursuant to Government Code §37200 the appropriations limit and the total appropriations subject to limitation must be published in the annual budget.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District (District) that, on the basis of appropriation limit calculations which are on file and available in the office of the Secretary of the District, and which include the selected annual adjustment factors of a) the state per capita personal income change and b) the Monterey County population change, the District hereby determines the maximum limit applicable to the appropriation of tax proceeds, other than for debt service, by the District for the fiscal year 2022-23, to be the sum of \$2,673.977.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

Staff Report



To: Board of Directors
From: Barbara Buikema, General Manager
Date: June 30, 2022
Subject: 2022-23 Budget

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution authorizing the adoption of the Carmel Area Wastewater District's (District) Annual Budget for the fiscal year 2022-23.

DISCUSSION

A Preliminary Budget was presented to the Board at its March 31, 2022, meeting. The preliminary draft was the basis for the Prop 218 Notice that was mailed to the owners of all parcels of record that receive service in the District in early May.

For a summary of the budget you are directed to Volume 1 sections Budget Message and Budget in Brief. The information presented there reviews the changes that occurred during the current year and the plan for the upcoming year.

There were several relatively minor changes that were uncovered subsequent to the review of the Preliminary Budget, primarily where the "Comments" did not match the budget number. There was an additional change to the Local Agency Formation Commission (LAFCO) line item after receipt of the invoice for the 2022-23 budget.

The more significant change is the inclusion of a "Contingency" account for each department. During the Budget Committee discussions, staff was directed to establish all budget amounts based on current knowledge. Any increases after the budget were to be directed to the "Contingency" line, which included not only goods but services. In the three months since the approval of the Preliminary Budget we have witnessed increases across the board; from chemicals costs to janitorial services, from equipment purchases to landscaping services. In the current inflationary environment, everything is increasing and furthermore some of the price increases are double digit. The "Contingency" line item was budgeted at \$500,000 and was included in the Rate Model calculations.

As per the Board request, attached is a recap of changes made to the Preliminary Budget.

FUNDING

Summary of changes from 2022-23 Preliminary Budget to the Final Budget:

	Preliminary		Final			
Category	Budget		Budget		Change	Comments
<u>Operating Budget</u>						
<u>Treatment</u>						
Postage & Shipping	\$1,000		\$1,200		\$200	Notes did not match budget, correction to note
Laboratory	\$40,092		\$49,092		\$9,000	Notes did not match budget, correction to note
Instrumentation Services	\$10,000		\$17,761		\$7,761	Notes did not match budget, correction to note
Outfall Inspection	\$10,000		\$15,130		\$5,130	Budget did not match contract, correction to contract
Contingency	\$0		\$302,410		\$302,410	Contingency not placed in preliminary budget
<u>Administration</u>						
LAFCO	\$21,140		\$23,550		\$2,410	Received LAFCO billing higher than original budget
Contingency	\$0		\$79,319		\$79,319	Contingency not placed in preliminary budget
<u>Collection</u>						
Contingency	\$0		\$123,234		\$123,234	Contingency not placed in preliminary budget
TOTAL CHANGES	\$82,232		\$611,696		\$529,464	

Note: Contingency increases due to inflationary environment were included in rate model calculation

Resolution No. 2022-31
Adopting Budget for the Fiscal Year 2022-23

WHEREAS, the public necessity and convenience require that the Carmel Area Wastewater District shall have sufficient funds for its administration, operation, maintenance, replacement, and construction:

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. That funds be raised to provide for the following estimated expenditures:

Operating Expenditures

Salaries, Payroll Taxes & Employee Benefits	4,194,036.00	
Other Operating & Maintenance Expense	5,095,958.00	
		9,289,994.00

Capital Asset Expenditures

Capital Improvement Projects for Treatment	0.00	
Capital Improvement Projects LTC - Plant	6,430,000.00	
Capital Improvement Project for Maintenance	0.00	
Capital Improvement Projects for Collection	5,400,750.00	
Capital Improvement Projects for Admin	25,000.00	
Capital Equipment Outlay	136,500.00	
		11,992,250.00

Non-Operating Expenditures

Highlands Project Debt Service	213,456.00	
		213,456.00

Non-Cash Item

Reserve for Depreciation & Amortization		4,673,860.00
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Total Budgeted cash & non-cash Expenditures		26,169,560.00
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2. That the following are sources of revenue to fund the above expenditures:

Operating Revenues

User Fees	9,941,528.00	
PBCSD Treatment Fees	1,160,000.00	
Reclamation Project Share of O & M	663,179.00	
Other Revenues	68,000.00	
		11,832,707.00

Non-Operating Revenues

Interest Earned	300,000.00	
Property Taxes	2,376,600.00	
Other Misc Income	80,000.00	
Highlands Inn Assessment Revenue	213,456.00	
		2,970,056.00

Capital Revenues

Connection Fees & Permits	20,000.00	
PBCSD One Third Share CIP & Equipment	1,732,220.00	
Reclamation Project reimbursement	177,410.00	
		1,929,630.00

**Resolution No. 2022-31
Adopting Budget for the Fiscal Year 2022-23**

Total Revenue		16,732,393.00
Appropriation of Capital Replacement Funds to Balance Budget		9,437,167.00
Appropriation of Capital Replacement Funds to Balance Budget Before Depreciation	4,763,307.00	
Grant Funding	0.00	
Total Budgeted Revenues and Appropriations		26,169,560.00

I HEREBY CERTIFY that the foregoing is a full, true and correct copy of a Resolution duly adopted and passed by the Board of Directors of the Carmel Area Wastewater District, Monterey County, California at a Regular Meeting held on the 30th day of June, 2022, by the following vote:

YES, MEMBERS: _____

NO, MEMBERS: _____

ABSENT, MEMBERS: _____

ABSTAIN, MEMBERS: _____

Domine Barringer, Board Secretary
Carmel Area Wastewater District

APPROVED:

Ken White, President

STAFF REPORT

To: Board of Directors
From: Barbara Buikema, General Manager
Date: June 30, 2022
Subject: Ratify Employee MOU 2022-2024



RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution ratifying the Employee Memorandum of Understanding (MOU) dated June 30, 2022 and effective July 1, 2022.

DISCUSSION

As per the agreed upon 2019-2021 Contract Negotiating Ground Rules:

Section: Negotiation Management #8

Memorandum of Understanding: When a total agreement is ratified the parties will enter into a written Memorandum of Understanding (MOU). Each side shall make a good faith effort to obtain ratification/approval of their respective constituents. The MOU shall be submitted to the CAWD Employees and upon ratification be submitted to the District Board. No MOU shall be binding or in effect until it has been approved by the District's Board.

The employee prepared MOU was presented to the Salary and Benefits Committee on March 15, 2022, for preliminary comment and approval. The final version, signed by the Employee Negotiating team members is short one member because Karla Cristi retired prior to completing negotiations. The Maintenance Department has not yet assigned a new member in her place.

FUNDING

Funding for the items in the attached MOU has been incorporated into the 2022-23 Budget.

Staff Report



To: Patrick Treanor, Plant Engineer
Karla Cristi, CMMS Administrator
Kevin Young, Operations Supervisor
Barry Blevins, Collections Worker III

From: Salary & Benefits Committee

Date: March 15, 2022

Subject: Employee Memorandum of Understanding (MOU)
For Fiscal Years 2022-23 and 2023-24

Salary & Benefits Committee provides the following response to employee negotiations for FY 2022-23 & 2023-24

1. Employee Request: COLA 3.8% effective July 1, 2022

The Committee agrees with 3.8% COLA posted by Bureau of Labor Statistics for October 2021

2. Employee Request: COLA effective July 1, 2023

The Committee agrees with Bureau of Labor Statistics CPI posted on October 2022 with a potential cap of 5%. Should the October 2022 CPI exceed 5% the District reserves the right to reopen negotiations for the sole purpose of salary negotiations.

3. Employee Request: Increase Dental Benefits by 3.8% effective 07-01-22 and by COLA in 07-01-23

Request Denied, no counteroffer. The Committee believes that District dental benefits are currently competitive with other plans available in the area. Attached is summary information

4. Increase Boot Allowance by 3.8% effective 07-01-22 and by COLA in 07-01-23

The District denies the request to link Boot Allowance to COLA.
The District counters with \$245/yr per employee effective 07-01-22

5. Current CASA salary/benefits report for 2022

Agreed, this is public information. The 2022 report should be available in 2-3 months.

The District is requesting additional time to respond to two additional requests:

- a. Life insurance for employees over 65 years of age
- b. Long Term Disability for employees over 65 years of age

All other CAWD policies, procedures, and benefits shall remain intact. In that regard; however, note that the District does not agree to freeze all policies, procedures, and benefits for two fiscal years, but reserves its rights to make changes and reopen negotiations with employees to the extent required by the Meyers-Miliias-Brown Act, In addition, CAWD employees and the District previously agreed to negotiate health benefits annually, on a calendar year basis, and the District does not agree to any change in that agreement.

On behalf of the District:

Barbara Buikema, General Manager

 5/31/22
Patrick Creanor, Chief Negotiator

Ken White, President and
Member Salary/Benefits Committee

 5/31/2022
Kevin Young, Employee Negotiator

Mike Rachel, Director & Member
Salary/Benefits Committee

 PF
Karla Cristi, Employee Negotiator


Barry Blevins, Employee Negotiator

DISTRICT RIGHTS AND RESPONSIBILITIES

GENERAL: The rights of the District include, but are not limited to, the exclusive right to determine the extent of services to be performed, as well as the right to determine and implement its public function and responsibility; manage and control all property, facilities, and operations of the District, including the methods, means, and employees by which the District's operations are to be conducted; determine the size and composition of the working force; determine the procedures and standards of selection for employment; relieve its employees of duty because of lack of work, funds, or for other legitimate reasons; maintain the efficiency of governmental operations; determine the content of class description; take all necessary actions to carry out its mission in emergencies; exercise complete control and discretion over its organization and technology of performing its work; and take such other and further action as may be necessary to organize and operate the District in the most efficient and economical manner and in the best interest of the public it serves. The District shall administer the provisions of this MOU in accordance with its contract with CalPERS. In determining employee wages, hours, and other terms and conditions of employment the District is required to abide by the Meyers-Milias-Brown Act.

MANAGEMENT: The management rights of the District to promote, demote, reprimand, suspend, discharge, or otherwise discipline employees for cause are subject to the grievance procedure previously adopted by the District (See Employee Handbook Amended July 27, 2006).

EMPLOYEE RIGHTS

GENERAL: Employees of the District shall have the right to form, join, and participate in the activities of employee organizations of their own choosing for the purpose of representation on all matters of employee relations, including, but not limited to, wages, hours, and other terms and conditions of employment. No employee shall be interfered with, intimidated, restrained, coerced, or discriminated against by the District or by any employee organization because of exercising these rights. Employees retain all rights afforded by the Meyers-Milias-Brown Act.

RESOLUTION NO. 2022-32

A RESOLUTION RATIFYING THE EMPLOYEE MEMORANDUM OF UNDERSTANDING (MOU) DATED JUNE 30, 2022 AND EFFECTIVE JULY 1, 2022

Referencing the 2019-2021 Contract Negotiating Ground Rules

-oOo-

WHEREAS, the Board of Directors agreed to and was a signatory to the 2019-2021 Contract Negotiating Ground Rules with employees dated November 6, 2019; and

WHEREAS, said contract states that when a total agreement is ratified the parties will enter into a written Memorandum of Understanding; and

WHEREAS, the Board of Directors has been presented with a Memorandum of Understanding executed by the Employee Negotiators that is satisfactory to them in both form and content.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that it does hereby authorize ratifying the Employee Memorandum of Understanding attached to this resolution and made a part hereof.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022 by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: June 30, 2022

Subject: Designation of Classification Titles and Providing for the Number of Positions and Salary Ranges

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution designating the Classification Titles in the Carmel Area Wastewater District and providing for the number of positions and monthly salary ranges effective July 1, 2022.

DISCUSSION

The attached resolution reflects the results of employee negotiations and has been approved by the Salary and Benefits Committee.

The agreed upon Cost-of-Living Adjustment (COLA) increase for 2022-23 is 3.8%. The Bureau of Labor Statistics posted Consumer Price Index for San Francisco-Oakland-Hayward for October 2021 is 3.8%.

The most recent Bureau of Labor Statistics data sheet for the San Francisco-Oakland-Hayward region is attached for informational purposes. Note: for negotiations it has been long standing practice to utilize the October 12-month COLA. The October 2021 number was used for fiscal year 2022-23 and we will use the number posted in October 2022 for fiscal year 2023-24.

FINANCIAL

The 2022-23 Budget provides for a 3.8% COLA as negotiated.



Databases, Tables & Calculators by Subject

Change Output Options: From: 2012 To: 2022 GO

include graphs include annual averages [More Formatting Options](#)

Data extracted on: May 30, 2022 (6:14:00 PM)

CPI for All Urban Consumers (CPI-U)

Series Id: CUURS49BSA0,CUUSS49BSA0
Not Seasonally Adjusted
Series Title: All items in San Francisco-Oakland-Hayward, CA, all urban consumers, not seasonally adjusted
Area: San Francisco-Oakland-Hayward, CA
Item: All items
Base Period: 1982-84=100

Download: [XLS](#)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	HALF1	HALF2
2012		236.880		238.985		239.806		241.170		242.834		239.533	239.650	238.099	241.201
2013		242.677		244.675		245.935		246.072		246.617		245.711	245.023	243.894	246.152
2014		248.615		251.495		253.317		253.354		254.503		252.273	251.985	250.507	253.463
2015		254.910		257.622		259.117		259.917		261.019		260.289	258.572	256.723	260.421
2016		262.600		264.565		266.041		267.853		270.306		269.483	266.344	263.911	268.777
2017		271.626		274.589		275.304		275.893		277.570		277.414	274.924	273.306	276.542
2018		281.308		283.422		286.062		287.664		289.673		289.896	285.550	282.666	288.435
2019		291.227		294.801		295.259		295.490		298.443		297.007	295.004	293.150	296.859
2020		299.690		298.074		300.032		300.182		301.736		302.948	300.084	299.109	301.059
2021		304.387		309.419		309.497		311.167		313.265		315.805	309.721	306.724	312.718
2022		320.195		324.878											

12-Month Percent Change

Series Id: CUURS49BSA0,CUUSS49BSA0
Not Seasonally Adjusted
Series Title: All items in San Francisco-Oakland-Hayward, CA, all urban consumers, not seasonally adjusted
Area: San Francisco-Oakland-Hayward, CA
Item: All items
Base Period: 1982-84=100

Download: [XLS](#)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	HALF1	HALF2
2012		3.0		2.1		2.6		2.8		3.2		2.2	2.7	2.6	2.8
2013		2.4		2.4		2.6		2.0		1.6		2.6	2.2	2.4	2.1
2014		2.4		2.8		3.0		3.0		3.2		2.7	2.8	2.7	3.0
2015		2.5		2.4		2.3		2.6		2.6		3.2	2.6	2.5	2.7
2016		3.0		2.7		2.7		3.1		3.6		3.5	3.0	2.8	3.2
2017		3.4		3.8		3.5		3.0		2.7		2.9	3.2	3.6	2.9
2018		3.6		3.2		3.9		4.3		4.4		4.5	3.9	3.4	4.3
2019		3.5		4.0		3.2		2.7		3.0		2.5	3.3	3.7	2.9
2020		2.9		1.1		1.6		1.6		1.1		2.0	1.7	2.0	1.4
2021		1.6		3.8		3.2		3.7		3.8		4.2	3.2	2.5	3.9
2022		5.2		5.0											

RESOLUTION NO. 2022-33
DESIGNATING CLASSIFICATION TITLES IN THE
CARMEL AREA WASTEWATER DISTRICT
AND PROVIDING FOR THE NUMBER OF POSITIONS AND
MONTHLY SALARY RANGES

BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District as follows:

Section 1. That the "Positions", "Classification Titles" and "Salary Ranges and Steps" enumerated below are hereby adopted for positions of employment in the Carmel Area Wastewater District:

Positions	Range	Classification Titles	SALARY		STEPS		
			A	B	C	D	E
Administration							
1	n/a	General Manager	<i>Negotiated with Board of Directors</i>				
1	26	Principal Accountant	\$ 8,615.40	\$ 9,046.17	\$ 9,498.48	\$ 9,973.40	\$ 10,472.07
2	16	Administrative Assistant/Board Clerk	\$ 6,730.33	\$ 7,066.85	\$ 7,420.19	\$ 7,791.20	\$ 8,180.76
Engineering							
1	37	Principal Engineer	\$ 11,304.14	\$ 11,869.35	\$ 12,462.82	\$ 13,085.96	\$ 13,740.25
1	37	Plant Engineer	\$ 11,304.14	\$ 11,869.35	\$ 12,462.82	\$ 13,085.96	\$ 13,740.25
Treatment Plant Operations							
1	32	Operations Superintendent	\$ 9,991.22	\$ 10,490.78	\$ 11,015.32	\$ 11,566.08	\$ 12,144.39
1	32	Maintenance Superintendent	\$ 9,991.22	\$ 10,490.78	\$ 11,015.32	\$ 11,566.08	\$ 12,144.39
0	31	Associate Engineer	\$ 9,747.53	\$ 10,234.90	\$ 10,746.65	\$ 11,283.98	\$ 11,848.18
1	26	Operations Supervisor	\$ 8,615.40	\$ 9,046.17	\$ 9,498.48	\$ 9,973.40	\$ 10,472.07
1	24	Laboratory Supervisor	\$ 8,200.26	\$ 8,610.28	\$ 9,040.79	\$ 9,492.83	\$ 9,967.47
3	20	Senior Operator	\$ 7,429.03	\$ 7,800.48	\$ 8,190.50	\$ 8,600.03	\$ 9,030.03
1	19	Safety/Regulatory Compliance Administrator I	\$ 7,247.82	\$ 7,610.22	\$ 7,990.73	\$ 8,390.26	\$ 8,809.78
1	19	Laboratory Analyst II/Environmental Inspector	\$ 7,247.82	\$ 7,610.22	\$ 7,990.73	\$ 8,390.26	\$ 8,809.78
2	18	Maintenance Mechanic III	\$ 7,071.05	\$ 7,424.61	\$ 7,795.84	\$ 8,185.63	\$ 8,594.91
2	17	Plant Operator II	\$ 6,898.59	\$ 7,243.52	\$ 7,605.69	\$ 7,985.98	\$ 8,385.28
1	17	Purchaser-Plant Asset Coordinator	\$ 6,898.59	\$ 7,243.52	\$ 7,605.69	\$ 7,985.98	\$ 8,385.28
1	16	Laboratory Analyst I/Environmental Inspector	\$ 6,730.33	\$ 7,066.85	\$ 7,420.19	\$ 7,791.20	\$ 8,180.76
0	15	Maintenance Mechanic II	\$ 6,566.18	\$ 6,894.49	\$ 7,239.21	\$ 7,601.17	\$ 7,981.23
0	14	Maintenance Worker II	\$ 6,406.03	\$ 6,726.33	\$ 7,062.65	\$ 7,415.78	\$ 7,786.57
1	12	Plant Operator I	\$ 6,097.35	\$ 6,402.21	\$ 6,722.33	\$ 7,058.44	\$ 7,411.36
0	12	Maintenance Mechanic I	\$ 6,097.35	\$ 6,402.21	\$ 6,722.33	\$ 7,058.44	\$ 7,411.36
0	9	Maintenance Worker I	\$ 5,662.00	\$ 5,945.10	\$ 6,242.35	\$ 6,554.47	\$ 6,882.20
Collection Maintenance							
1	32	Collection System Superintendent	\$ 9,991.22	\$ 10,490.78	\$ 11,015.32	\$ 11,566.08	\$ 12,144.39
4	18	Collection Worker III	\$ 7,071.05	\$ 7,424.61	\$ 7,795.84	\$ 8,185.63	\$ 8,594.91
0	11	Collection Worker II	\$ 5,948.62	\$ 6,246.05	\$ 6,558.36	\$ 6,886.27	\$ 7,230.59
0	6	Collection Worker I	\$ 5,257.73	\$ 5,520.62	\$ 5,796.65	\$ 6,086.48	\$ 6,390.80
1	6	Collection/Maintenance Utility Worker I	\$ 5,257.73	\$ 5,520.62	\$ 5,796.65	\$ 6,086.48	\$ 6,390.80
28.0		Total Positions authorized					

Section 2. That salaries paid to occupants of said positions shall be administered in accordance with Ordinance No. 97-2 titled "Personnel Policies".

Section 3. The Provisions hereof shall be in force and effect as of July 1, 2022

Section 4. That this resolution supercedes 22-09 in its entirety.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Wastewater District duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

ATTEST:

Ken White, President of the Board

Domine Barringer, Secretary to the Board

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: June 30, 2022

Subject: Defend or Managed Retreat Reserve Account

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution approving a contribution of \$1,000,000 to the Special Reserve Fund named “Defend or Managed Retreat Restricted Reserve” for fiscal year 2022-23.

DISCUSSION

At the March 2017 regular Board meeting resolution 2017-09 was passed, which established a “Defend or Managed Retreat Restricted Reserve” to allow the Carmel Area Wastewater District (District) options in coming to terms with sea level rise. The current balance of the reserve fund is \$4M. The initial funding goal was \$15,000,000 over 15 years.

The Budget Committee was given the task to annually review and decide as to future funding. This year during Budget Committee meetings the decision was made to recommend a contribution for fiscal year 2022-23 of \$1,000,000. This is the sixth year the Committee has recommended a contribution to fund the account, bringing the total fund balance to \$5M.

This dedicated reserve fund, combined with our Sea Level Rise Study prepared by Environmental Science Associates (ESA), serves notice to the public and regulatory agencies that the District is intent upon addressing the issue.

FUNDING

There are enough funds in General Reserves to move into the Defend or Managed Retreat Restricted Reserve.

Estimated May 2022, financial statements

Cash Balances	\$ 44,375,586
Estimated June revenue	\$ 205,000
Estimated June expenditures	<u>\$ 450,000</u>
Est FY 2021-22 ending balance	\$ 45,030,586

Based on the estimate above, the projected year end position as follows:

Capital Fund	\$ 5,180,500
Capital Improvement Project Reserve	\$ 22,570,086
Operation & Maintenance Fund	\$ 12,000,000
Compensated Accruals	\$ 280,000
Defend or Managed Retreat Restricted Reserve	<u>\$ 5,000,000</u>
Est FY 2021-22 ending balance	\$ 45,030,586

Staff recommends that this contribution continue to be part of the annual budget process, first at the Budget Committee level and then followed with a presentation to the full Board.

RESOLUTION NO. 2022-34

A RESOLUTION APPROVING A CONTRIBUTION OF \$1,000,000 TO THE “DEFEND OR
MANAGED RETREAT RESTRICTED RESERVE” AS PART OF THE
BUDGET PROCESS FOR FY 2022-23

-oOo-

WHEREAS, the Board of Directors authorized the creation of a “Defend or Managed Retreat Restricted Reserve” in 2017 with resolution 2017-09 to enable the Carmel Area Wastewater District (District) to address the potential impacts surrounding sea level rise throughout the District’s infrastructure; and.

WHEREAS, the Board of Directors agreed that any continued annual contributions be determined as part of the annual budget process with a recommendation by the Budget Committee; and

WHEREAS, the Budget Committee, as part of their process, determined that the fiscal year 2022-23 contribution should be \$1,000,000 and made this recommendation to the full board.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that it does hereby elect to contribute \$1,000,000 to the Defend or Managed Retreat Restricted Reserve as part of the Budget process for Fiscal Year 2022-23.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

STAFF REPORT



To: Board of Directors
From: Barbara Buikema, General Manager
Date: June 30, 2022
Subject: Section 115 Funding

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution approving a contribution of \$100,000 to the District's CalPERS Section 115 Account for fiscal year 2022-23.

DISCUSSION

At the December 2021 regular Board meeting Resolution 2021-67 was passed to establish a CalPERS Section 115 account to meet future funding requirements. The District's initial deposit was \$500K split between the two offerings, Strategy 1 and Strategy 2.

The Budget Committee was given the task to annually review and decide as to future funding. This year during Budget Committee meetings the decision was made to recommend annual contributions of \$100K. Based on the amounts paid into the District's Unfunded Accrued Liability (UAL) for the first 15 years of membership into CalPERS it is thought that \$100K over twenty years will allow the accumulation of \$2M – intended to be drawn upon when there is a paydown on the UAL

Because of the returns earned in 2022 by CalPERS (21.3%) it triggered a reduction in the discount rate from 7.0% to 6.8%. We have been advised by our CalPERS actuary that we will likely not have any UAL balance due to the strength of these returns and we should not pay down the current UAL. In discussion with the Budget Committee, it was determined that we should still move forward with our plan to fund the Section 115 annually at \$100K.

FUNDING

There are sufficient funds in the General Reserve to cover this transfer to the Section 115 account. Staff recommends it be split 50/50 between the Asset Allocation Strategy 1 and Strategy 2.

Staff recommends that this contribution continue to be part of the annual budget process, first at the Budget Committee level and then followed with a presentation to the full Board.

RESOLUTION NO. 2022-35

A RESOLUTION APPROVING A CONTRIBUTION OF \$100,000 TO THE DISTRICT'S CALPERS SECTION 115 ACCOUNT AS PART OF THE BUDGET PROCESS FOR FY 2022-23

-oOo-

WHEREAS, the Board of Directors authorized the creation of a CalPERS California Employers' Pension Prefunding Trust (CEPPT) account in December 2021 with Resolution 2021-67. The Board agreed there was a need to fund future contributions to the District's CalPERS Unfunded Accrued Liability (UAL); and

WHEREAS, the Board of Directors agreed that any continued annual contributions be determined as part of the annual budget process with a recommendation by the Budget Committee; and

WHEREAS, the Budget Committee, as part of their process, determined that the fiscal year 2022-23 contribution should be \$100,000 and made this recommendation to the full board.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that it does hereby elect to contribute \$100,000 to the CAWD CEPPT with CalPERS as part of the Budget process for Fiscal Year 2022-23.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: July 30, 2022

Subject: Renew Human Resources (HR) Contract

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution authorizing the General Manager to renew a Human Resource (HR) contract with Beth Ingram for fiscal year 2022-23 in an amount not to exceed \$68,250.

DISCUSSION

The cost of staying current means that overhead costs associated with performing HR services are typically high. A small business generally cannot afford this expense. Outsourcing allows the District to reduce costs by reducing nonrevenue generating back-office expenses while granting access to a larger professional pool for HR. Further, HR outsourcing costs are variable and can be reduced when business needs warrant.

Staff recommends a renewed contract with Beth Ingram because she is well liked and received by employees and has seamlessly joined the CAWD "team". We have worked with Ms. Ingram, and she understands the shared vision at CAWD and the emphasis that is placed on employee relations. This coming fiscal year a draft of an updated Employee Manual and a new Employee Survey will be presented to the board.

FINANCIAL

The 2022-23 Budget provides \$68,250 for "HR Consulting" expense under GL #5885. The 2021-22 contract was for \$65,000, this represents a 5% increase.

RESOLUTION NO. 2022-36

A RESOLUTION AUTHORIZING THE GENERAL MANAGER TO ENTER INTO
A CONTRACT WITH BETH INGRAM FOR HUMAN RESOURCE SERVICES IN
AN AMOUNT NOT TO EXCEED \$68,250

-oOo-

WHEREAS, the Board of Directors is convinced by the staff report presented at its regular board meeting June 30, 2022, that the Carmel Area Wastewater District (District) should outsource its Human Resource function; and

WHEREAS, the Board of Directors agrees that it will provide greater service to employees, reduce risk, and lowers costs if Human Resources is outsourced; and

WHEREAS, Beth Ingram has worked for the District since 2018 on a contract basis and her services have proven to be invaluable; and

WHEREAS, the Board of Directors agrees with the proposal to renew the contract to Beth Ingram and that there are sufficient funds of \$68,250 provided for in the budget.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that the General Manager may sign a contract with Beth Ingram in an amount not to exceed \$68,250 for Human Resources consulting services.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary to the Board

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: June 30, 2022

Subject: Central Coast Long-Term Environmental Assessment Network
(CCLEAN) Contract Award Recommendation – Applied Marine Sciences

RECOMMENDATION

It is recommended that the Board approve an amended contract with Applied Marine Sciences for CCLEAN Program Management for an additional \$8,582 bringing the total contract amount to \$502,654 for 2022-23.

DISCUSSION

The Board approved the 2022-23 contract on June 24, 2021, in the amount of \$494,072 via Resolution 2021-33. This request represents a 1.7% increase due to minor changes on various line items increasing the total to \$502,654.

Although this will not have any impact on CAWD's budget it is necessary to keep the records "clean."

FINANCIAL

None – all costs for CCLEAN are paid by the participants. As Lead Agency CAWD received 7% of the budget for its costs to administer the program. Note: CAWD has been the Lead Agency since July 2018. Lead Agency duties include scheduling and running meetings, preparing minutes, keeping monthly financial statements, and other miscellaneous tasks that may come up.

BUDGET FOR CCLEAN 2022-2023 PROGRAM YEAR	
Task	2022-2023 Budget
Management, QC, Reporting	
Task 1. Provide Program Management	\$47,674
Task 2 Collect & Analyze Samples	
2.1 Mussel Sampling	\$19,844
2.2 Outfall Sampling	\$102,003
2.3 Nearshore Sampling	\$69,039
2.4 San Lorenzo River POP Sampling	\$24,808
2.5 Watsonville Influent Sampling	\$7,941
2.6 Pajaro and Salinas Sampling	\$7,597
2.7 Pyrethroid, Fironil, and Neonicotinoid Sampling in Rivers	\$25,137
2.8 Sediment Sampling	\$45,023
Task 3 Ensure Program Data Quality	\$32,148
Task 4. Write Annual Report	\$50,881
Task 5. Miscellaneous Tasks	\$6,212
AMS Contract Total	\$438,307
Without San Lorenzo River and Watsonville Influent Sampling	\$405,559
Lead Agency Overhead 7%	\$28,389
Contingency for Regional Monitoring Development	\$15,680
Contingency 5%	\$20,278
Total CCLEAN Cost	\$469,906
Total Funding Required including San Lorenzo River and Watsonville influent sampling	\$502,654

2022-2023 Basis of Cost Allocation

	Flat Fee	5-Year Average Flow Basis	Contribution for 2022-2023 with Average Flow
2022-2023			
Dynegy	\$30,000	0.00%	\$30,000
Carmel	\$12,000	2.70%	\$22,253
Monterey	\$12,000	34.39%	\$142,653
Watsonville	\$12,000	13.25%	\$70,268
Santa Cruz	\$12,000	46.29%	\$212,677
Scotts Valley	\$12,000	3.37%	\$24,804
Total	\$90,000	100.00%	\$502,654

	5-year Average Flow	Percent of total flow
Carmel	173.2476	2.70%
Monterey	2207.687065	34.39%
Watsonville	850.39486	13.25%
Santa Cruz	2971.71	46.29%
Scotts Valley	216.34525	3.37%
	6419.384775	100.00%

	2017	2018	2019	2020	2021	Mean	% of Total
Carmel	280.4	100.72	188.508	200.94	95.67	173.25	2.70%
Monterey	2658.068	2049.26	3362.987325	1503.2	1464.92	2207.69	34.39%
Watsonville	1214.53	711.7243	886.62	676.5	762.6	850.39	13.25%
Santa Cruz	3528.97	2646.5	3151.37	2560	2540	2971.71	46.29%
Scotts Valley	238.925	221.823	236.003	168.63	125.593	216.35	3.37%
Sum	7920.893	5730.0273	7825.488325	5109.27	4988.783	6419.38	100.00%

RESOLUTION NO. 2022-37

A RESOLUTION FOR AN AMENDED CONTRACT WITH APPLIED MARINE SCIENCES FOR CENTRAL COAST LONG-TERM ENVIRONMENTAL ASSESSMENT NETWORK (CCLEAN) PROGRAM MANAGEMENT FOR AN ADDITIONAL \$8,582 BRINGING TOTAL CONTRACT AMOUNT TO \$502,654

-oOo-

WHEREAS, the Board acknowledges Carmel Area Wastewater District's (CAWD) role as "Lead Agency" in the CCLEAN Program and its role in managing the administrative duties of the program; and

WHEREAS, the Board approved a contract in fiscal year 2021-22 with Resolution 2021-33 for fiscal year 2022-23 in the amount of \$494,072; and

WHEREAS, the CCLEAN budget for 2022-23 has subsequently been amended to \$502,654, an increase of \$8,582; and

WHEREAS, the CCLEAN participants have made a determination to accept the increase for 2022-23.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that it does hereby authorize the General Manager to enter into a contract amendment for \$8,582 bringing the total 2022-23 contract to \$502,654.

PASSED AN ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS

NOES: BOARD MEMBERS

ABSENT: BOARD MEMBERS

ABSTAIN: BOARD MEMBERS

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

STAFF REPORT



To: Board of Directors

From: Patrick Treanor, Plant Engineer

Date: June 30, 2022

Subject: Project #19-18 – Perimeter Fence Replacement Design – Kennedy Jenks

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution authorizing the General Manager to execute a Professional Services Agreement with Kennedy Jenks for developing a fence design and construction bid documents for a new perimeter fence around the Wastewater Treatment Plant (WWTP). The design documents would be prepared for a not to exceed price of \$52,870.

DISCUSSION

The existing fence around the WWTP has fallen into disrepair and is beyond mending due to a multitude of failures along the extensive perimeter. The length of the perimeter fence to be replaced is roughly half of a mile. Design will include fence details, layout plan, inclusion of environmental mitigations, and general construction contract documents. Environmental review will be contracted separately with an environmental consultant.

The proposal from Kennedy Jenks is attached.

FUNDING

The CAWD Treatment Plant Long Term Capital Budget includes \$275,000 in FY22/23 for perimeter fence replacement work.

Attachment:

1. Proposal – Kennedy Jenks

February 7, 2022

WWTP Perimeter Security Chain Link Fence

Carmel, Ca.



275 Battery Street., Suite 550
San Francisco, CA 94111
Office Ph: (415) 243-2150

18 May 2022

Mr. Patrick Treanor, P.E.
Plant Engineer
Carmel Area Wastewater District (CAWD)
3945 Rio Road
Carmel, CA 93922

Subject: Proposal for Professional Engineering Services
WWTP Security Chain Link Fence
KJ Proposal No. 22680XX.XX

Dear Mr. Patrick Treanor,

Kennedy Jenks (KJ) is pleased to submit this proposal to provide professional engineering services for design, project management, and bid services for the replacement of the Carmel Area Wastewater District Wastewater Treatment Plant (WWTP) perimeter security chain link fence.

Project Overview

Carmel Area Wastewater District (CAWD) has decided to replace the perimeter security chain link fence around the Wastewater Treatment Plant (WWTP). The scope includes removal and replacement of approximately 2,450 linear feet of chain link fence, a new manual vehicle gate, and new manual pedestrian gates. The fence and gates will be 8-foot-tall chain link. Design assumptions and exclusions include:

- CAWD will prepare Divisions 00 and 01 specifications.
- KJ assumes two deliverables: 90% and Final Design.
- KJ will prepare technical specifications.
- CAWD will hire a subconsultant to prepare CEQA. KJ will provide project description and site layout, if needed.
- The new fence will be located along the same alignment as the existing fence, plus a 25'x25'

area at the west side of the plant. No regrading is included.

- 8-foot-tall vinyl coated chain link fence, no privacy slats.
- No electrical and security system design are included.
- Existing survey will be sufficient for this effort.
- Frog fence improvements (e.g. separate frog fence, small void mesh with brackets, or other method to keep frogs out of the WWTP). CAWD to provide botanist recommendation for needed height of frog fence. The frog fence will be buried to prevent frogs from going under the fence.
- Design will reference and include appended interior entrance fence, shown on L-4 of Job # 15-2019 by Hall Landscape Design. The Hall Landscape Design will be included in the project package. KJ will not modify the design.

Scope of Work

Task 1 – Project Management

Task 1.1 - Project Management

This task includes project set up, invoicing, QA/QC, and project team coordination. KJ has included one 1-hour virtual kick-off meeting.

Task 1.2 - Site Visit

KJ proposes one 2-hour site walk to confirm survey accuracy and identify, with CAWD, pedestrian gate locations, obstructions, and interfaces with existing infrastructure (e.g. pipe bridge, front gate, etc.).

Task 1.3 - Quality Assurance/Quality Control (QA/QC)

Our QA/QC program includes the internal review of all deliverables prior to submitting them to CAWD for review.

Task 1 Assumptions:

- *KJ Staff (up to two people) will attend the site visit*

Task 1 Deliverables:

- *Kick-off meeting agenda and notes (electronic PDF format)*
- *Monthly Invoices (electronic PDF format)*

Task 2 – Design

Task 2.1 – 90% Design

KJ will develop detailed 90% drawings, technical specifications and an ACE Class Level 2 opinion of probable construction cost (OPCC) with an accuracy of +15% to -5% based on the project background and understanding. The proposed drawing and technical specification list are provided at the end of this proposal.

Task 2.2 – 90% Design Review Meeting

Based on the proposed project schedule, KJ will attend a virtual 90% Design Review Meeting where the redline comments from CAWD team members and project stakeholders will be discussed. CAWD's comments will serve as the meeting agenda. KJ will prepare draft responses prior to the meeting.

Task 2.3 – Final Design

Upon completion of the 90% design review, KJ will incorporate CAWD's comments into the final design. KJ will provide bid drawings, specifications and revised OPCC.

Task 2 Assumptions:

- *CAWD will prepare the front-end specifications (Divisions 00 and 01).*
- *90% design review meeting will be a 1-hour virtual meeting.*

Task 2 Deliverables:

- *90% Set of Drawings (half size, electronic PDF format)*
- *90% Technical Specifications (electronic PDF format)*
- *90% OPCC (electronic PDF format)*
- *90% Draft response to comments prior to the Design Review Meeting (electronic PDF format)*
- *Bid Drawings (full size, electronic PDF format)*
- *Bid Technical Specifications (electronic PDF format)*
- *Bid OPCC (electronic PDF format)*

Task 3 – Bidding Assistance

Task 3.1 – Pre-Bid Meeting

KJ will attend a virtual Pre-bid Conference for prospective bidders, led by CAWD. KJ will prepare the meeting agenda and notes.

Task 3.2 – Bidder Clarifications

During the bidding phase, KJ will respond to up to ten (10) inquiries from bidders regarding the proposed project. KJ has assumed that CAWD will distribute responses to potential bidders.

Task 3.3 – Addenda

KJ will prepare up to two (2) addenda resulting from question asked at the Pre-Bid conference or questions

sent from bidders to CAWD directly during the bid phase of the project. Each written addendum is anticipated to be no more than five (5) pages.

Task 3.4 – Bid Evaluation Support

KJ will review construction bids received and prepare a brief email recommendation to CAWD regarding bid responsiveness, bidder capabilities, and contract award.

Task 3.5 – Conformed Documents

KJ will prepare conformed documents incorporating changes to the contract documents by addenda.

Task 3 Assumptions:

- *Bid evaluation of up to five (5) bidders.*
- *CAWD will advertise and distribute project documents to prospective bidders.*
- *Pre-Bid meeting is one (1) hour long.*
- *CAWD will contact references if required to evaluate the apparent low bidder.*
- *Up to ten (10) bidder clarifications.*

- *No more than two (2) addenda and no more than five (5) pages each.*

Task 3 Deliverables:

- *Conformed Drawings and Specifications (2 full size hardcopies and electronic PDF format)*
- *Pre-Bid Meeting Agenda and Meeting Summary (electronic PDF format)*
- *Bidder Clarifications (electronic PDF format)*
- *Addenda (electronic PDF format)*

Terms and Conditions

This proposal is based on current projections of staff availability and costs and, therefore, is valid for 90 days following the date of this letter. To assure a clear understanding of all matters related to our mutual responsibilities, the attached Standard Conditions dated 1 August 2021 are made a part of our agreement. If this proposal meets with your approval, please sign the proposal.

List of Drawings:

No.	Sheet No.	Title
1	G-01	Cover Sheet Index, General Location and Vicinity Map
2	C-01	General Civil Abbreviations and Notes
3	C-02	Demolition & Horizontal Control Plan
4	C-03	Civil Improvements Plan
5	C-04	Civil Details

List of Technical Specifications:

Spec No.	Title
02050	Demolition
02200	Site Preparation
02300	Earthwork
02820	Fences and Gates

Estimated Schedule:

Milestone	Completion Date	Duration (Weeks)
Notice to Proceed	7/1/2022	
Prepare and Submit 90% Drawings, Specifications & OPCC	8/19/2022	7
CAWD Review	9/2/2022	2
Prepare and Submit Final Drawings, Specifications & OPCC	10/7/2022	5
Overall Design Timeline	10/7/2022	14

Basis of Compensation:

In accordance with the attached Proposal Fee Estimate dated May 18, 2022, KJ proposes a not-to-exceed fee of \$52,870 to provide the scope of services on a time and materials (T&M) basis in accordance with the Phase Fee breakdown summarized below. A further breakdown of our proposed project budget and line-item descriptions of the project deliverables is provided the Proposal Fee Estimate. It is acknowledged the individual task budget breakdowns summarized below, are an estimate and may be transferred among each task, as long as the total budget is not exceeded.

Phase	Name	Estimated Fee Budget
1	Project Management	\$ 9,120
2	Design	\$ 32,320
3	Bidding Assistance	\$ 11,430
TOTAL		\$ 52,870

The KJ Team appreciates the opportunity to submit another proposal for the continual improvements of the Carmel Area Wastewater District's Wastewater Treatment Plant and look forward to continuing to work with you and your staff. Please feel free to contact me at (925) 953-1521 should you have any questions.

Authorization:

KENNEDY/JENKS CONSULTANTS, INC.

CARMEL AREA WASTEWATER DISTRICT

Signature:  _____

Signature: _____

Printed Name: Nick Lazarakis

Printed Name: _____

Title: Principal

Title: _____

Date: _____

Date: _____

Contact Information

ADDRESS

275 Battery Street, Suite 550
San Francisco, CA 94111

CONTACT

Nick Lazarakis, P.E.
nicklazarakis@kennedyjenks.com
Phone: (925) 953-1521

Client:

Contract/Proposal Date:

Standard Conditions

1 August 2021

CLIENT and KENNEDY/JENKS CONSULTANTS, INC. ("CONSULTANT") agree that the following provisions shall be a part of their agreement.

1. **TERMS OF PAYMENT.** CLIENT will be invoiced at the end of the first billing period following commencement of work and at the end of each billing period thereafter. Payment in full of an invoice must be received by CONSULTANT within thirty (30) days of the date of such invoice.
2. **EFFECT OF INVOICE.** The work performed shall be deemed approved and accepted by CLIENT as and when invoiced unless CLIENT objects within fifteen (15) days of invoice date by written notice specifically stating the details in which CLIENT believes such work is incomplete or defective, and the invoice amount(s) in dispute. CLIENT shall pay undisputed amounts as provided for in the preceding paragraph.
3. **INTEREST; SUSPENSION OF WORK.** Failure of CLIENT to make full payment of an invoice so that it is received by CONSULTANT within said sixty (60) days of the date thereof subjects the amount overdue to a delinquent account charge of one percent (1%) of the invoice amount per month, compounded monthly, but not to exceed the maximum rate permitted by law. Failure of CLIENT to submit full payment of an invoice within sixty (60) days of the date thereof subjects this agreement and the work herein contemplated to suspension or termination at CONSULTANT's discretion.
4. **ADVANCE PAYMENT: WITHHOLDING OF WORK PRODUCT.** CONSULTANT reserves the right to require payment in advance for work it estimates will be done during a given billing period. CONSULTANT, without any liability to CLIENT, reserves the right to withhold any services and work products herein contemplated pending payment of CLIENT's outstanding indebtedness or advance payment as required by CONSULTANT. Where work is performed on a reimbursable basis, budget may be increased by amendment to complete the scope of work. CONSULTANT is not obligated to provide services in excess of the authorized budget.
5. **STANDARD OF CARE.** CONSULTANT's services performed under this agreement will be performed in a manner consistent with the care and skill ordinarily exercised by members of the profession practicing under similar conditions at the same time and in the same or similar locality. When the findings and recommendations of CONSULTANT are based on information supplied by CLIENT and others, such findings and recommendations are correct to the best of CONSULTANT's knowledge and belief. No warranty, express or implied, is made or intended by this agreement, or by the foregoing statement of the applicable standard of care, or by providing consulting services or by furnishing oral or written reports of findings made. No entity other than CLIENT or CONSULTANT shall be construed as a beneficiary to this Agreement.
6. **INSURANCE COVERAGE.** CONSULTANT is protected by Worker's Compensation insurance as required by applicable state laws and will maintain employer's liability coverage of \$1,000,000 each accident for bodily injury, \$1,000,000 each employee and \$1,000,000 policy limit for bodily injury by disease. During the performance of this agreement CONSULTANT will maintain professional liability insurance with a limit of \$1,000,000 on a claims made, annual aggregate basis, and commercial general liability and automobile liability insurance each with a limit of not less than \$1,000,000 million on an occurrence basis.
7. **ALLOCATION OF RISK.** CLIENT and CONSULTANT have discussed the risks associated with this project and the extent to which those risks should be shared by CLIENT and by CONSULTANT, and have agreed:
(a) To the fullest extent permitted by law, CLIENT agrees to limit the liability of CONSULTANT, its officers, employees, and subconsultants to CLIENT, all landowners, contractors, subcontractors, lenders, suppliers, manufacturers, third parties, and their employees such that the total aggregate liability, including all attorneys fees and costs shall not exceed \$50,000.00 or the total fees paid for CONSULTANT's services on this project, whichever is greater. (b) All damages such as loss of use, profits, anticipated profits, and the like losses are consequential damages for which CONSULTANT is not liable. (c) CLIENT shall give written notice to CONSULTANT of any claim of negligent act, error or omission within one (1) year after the completion of the work performed by CONSULTANT. Failure to give notice herein required shall constitute a waiver of said claim by CLIENT.
8. **SERVICES DURING CONSTRUCTION.** Any construction inspection or testing provided by CONSULTANT is for the purpose of determining compliance by contractors with the functional provisions of project documents only. CLIENT agrees that CONSULTANT will have no inspection responsibilities at the jobsite except to the extent specifically provided for in the agreed upon scope of work. CONSULTANT shall not be held in any way to guarantee any contractor's work, nor to assume responsibility for means, methods or appliances used by any contractor nor to assume responsibility for a contractor's compliance with laws and regulations or for contractor's errors, omissions, or defective work. CLIENT agrees that in accordance with generally accepted construction practices, the construction contractor will be required to assume sole and complete responsibility for jobsite conditions during the course of construction of the project, including safety of all persons and property and that this responsibility shall be continuous and not be limited to normal working hours. CLIENT agrees to require in all construction contracts for the project, provisions that CLIENT and CONSULTANT shall be defended and indemnified by the contractor and its subcontractors and named additional insureds on contractor's and subcontractor's insurance. Any Opinion of Probable Construction Cost furnished by CONSULTANT are based on professional opinions and judgment, and CONSULTANT will not be responsible for fluctuations in construction costs.
9. **SERVICES BY CLIENT.** CLIENT will provide access to site of work, obtain all permits, provide all legal services in connection with the project, and provide environmental impact reports and energy assessments unless specifically included in the scope of work. CLIENT shall pay the costs of checking and inspection fees, zoning application fees, soils engineering fees, testing fees, surveying fees, and all other fees, permits, bond premiums, and all other charges not specifically covered by the scope of work. CLIENT shall designate to CONSULTANT the location of all subsurface utility lines and other subsurface man-made objects (in this agreement collectively called "buried utilities") within the boundaries of the jobsite. CONSULTANT will conduct at CLIENT's expense such additional research as in CONSULTANT's professional opinion is appropriate to attempt to verify the location of buried utilities at the jobsite, but CLIENT shall remain responsible for the accurate designation of their location and, shall indemnify, defend, and hold CONSULTANT harmless from any claims or loss arising from the failure to accurately locate buried utilities.
10. **COMPLIANCE WITH LAWS.** CLIENT and CONSULTANT shall each use reasonable care in its efforts to comply with laws, codes, ordinances and regulations in force at the time of the performance by each under this agreement, insofar as such laws are applicable to a party's performance. Unless otherwise provided for in the scope of work of this agreement or by law, the responsibility for making any disclosures or reports to any third party, for notifying all governmental authorities of the discovery of hazardous materials on the jobsite, and for taking corrective, remedial, or mitigative action shall be solely that of CLIENT. It is CONSULTANT's belief that the work is not subject to California or any applicable state Prevailing Wage Law, unless expressly identified as such within the scope of work. Should it be alleged or determined that some or all of the work is subject to California's or any applicable state Prevailing Wage Law, then CLIENT shall reimburse CONSULTANT for the additional costs associated with CONSULTANT complying with those laws.

Standard Conditions (Page 2)

1 August 2021

11. **USE OF DOCUMENTS.** Drawings, reports, writings and other original documents (documents) furnished by CONSULTANT are for the exclusive use of CLIENT and CONSULTANT retains all intellectual property rights including copyrights. Documents are furnished to CLIENT upon CLIENT's specific agreement that it assumes all liability resulting from the further distribution of such documents, or any portion of them, and that CLIENT will indemnify CONSULTANT and hold it harmless against any claims associated with the unauthorized use of such documents. In no event will CLIENT or any person acting on its behalf edit, abridge, or modify any document prepared by CONSULTANT without CONSULTANT's express written consent.
12. **ELECTRONIC DATA.** Documents provided by CONSULTANT in electronic formats are provided under the following conditions unless detailed otherwise in the scope of work or by a written amendment. Documents are provided in CONSULTANT's standard software formats. CLIENT recognizes that electronic data and its transmission can be easily damaged, may not be compatible with CLIENT'S software formats and systems, may develop inaccuracies during conversion or use, and may contain viruses or other destructive programs, and that software and hardware operating systems may become obsolete. As a condition of delivery of electronic data, CLIENT agrees to defend indemnify and hold CONSULTANT, its subconsultants, agents and employees harmless from and against all claims, loss, damages, expense and liability arising from or connected with its use, reuse, misuse, modification or misinterpretation. In no event shall CONSULTANT be liable for any loss of use, profit or any other damage.
13. **TERMINATION.** This agreement may be terminated by either party by written notice should the other party fail substantially to perform its obligations under this agreement and continue such default after the expiration of a seven (7) day notice period. Either party may terminate this agreement without necessity of cause upon the expiration of a thirty (30) day notice period. If this agreement is terminated by CLIENT in the absence of default by CONSULTANT, CONSULTANT shall be paid for services performed and costs incurred by it prior to its receipt of notice of termination from CLIENT, including reimbursement for direct expenses due, plus an additional amount, not to exceed ten percent (10%) of charges incurred to the termination notice date, to cover services to orderly close the work and prepare project files and documentation, plus any additional direct expenses incurred by CONSULTANT including but not limited to cancellation fees or charges. CONSULTANT will use reasonable efforts to minimize such additional charges.
14. **PRECEDENCE OF CONDITIONS.** Should any conflict exist between the terms herein and the terms of any purchase order or confirmation issued by CLIENT, the terms of these Standard Conditions shall prevail in the absence of CONSULTANT's express written agreement to the contrary.
15. **ASSIGNMENT: SUBCONTRACTING.** Neither CLIENT nor CONSULTANT shall assign any of its rights including a right to sue, or delegate its duties under this agreement without the written consent of the other.
16. **FORCE MAJEURE.** Any delay or default in the performance of any obligation of CONSULTANT under this agreement resulting from any cause(s) beyond CONSULTANT's reasonable control shall not be deemed a breach of this agreement. The occurrence of any such event shall suspend the obligations of CONSULTANT as long as performance is delayed or prevented thereby, and the fees due hereunder shall be equitably adjusted.
17. **MERGER: WAIVER: SURVIVAL.** This agreement constitutes the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations and/or agreements, written or oral. One or more waiver of any term, condition or other provision of this agreement by either party shall not be construed as a waiver of a subsequent breach of the same or any other provision. Any provision hereof which is legally deemed void or unenforceable shall not void this entire agreement and all other provisions shall survive and be enforceable.
18. **APPLICABLE LAW.** This agreement shall be interpreted and enforced according to the laws of the State of California. In the case of invalidity or unenforceability of any provision or portion thereof, the provision shall be rewritten and enforced to the maximum extent permitted by laws to accomplish as near as possible the intent of the original provision. Nothing herein shall be construed to provide for indemnification against damages arising from a party's gross negligence or willful misconduct.
19. **COUNTERPARTS; SIGNATURES.** This Agreement may be executed simultaneously in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. The parties agree that electronic (including without limitation .pdf), email or facsimile signatures of this Agreement shall have the same force and effect as original signatures. Each undersigned representative of the parties to this Agreement certifies that he or she is fully authorized to enter into the terms and conditions of this Agreement and to execute and legally bind such party to this Agreement.

Client/Address: Carmel Area Wastewater District
3945 Rio Road
Carmel, CA 93922

Contract/Proposal Date: February, 2022

Custom Schedule of Charges

Date: January 1, 2021

PERSONNEL COMPENSATION

Classification	Hourly Rate
Engineer-Scientist-Specialist 1.....	\$135
Engineer-Scientist-Specialist 2.....	\$165
Engineer-Scientist-Specialist 3.....	\$190
Engineer-Scientist-Specialist 4.....	\$205
Engineer-Scientist-Specialist 5.....	\$220
Engineer-Scientist-Specialist 6.....	\$245
Engineer-Scientist-Specialist 7.....	\$275
Engineer-Scientist-Specialist 8.....	\$295
Engineer-Scientist-Specialist 9.....	\$310
CAD-Technician	\$130
Senior CAD-Technician	\$145
CAD-Designer	\$160
Senior CAD-Designer	\$175
Project Assistant.....	\$130
Administrative Assistant.....	\$110
Aide.....	\$90

No Associated Project Cost charge will be added to the Personnel Compensation.

Direct Expenses

Reimbursement for direct expenses, as listed below, incurred in connection with the work, will be at cost plus ten percent for items such as:

- a. Maps, photographs, 3rd party reproductions, 3rd party printing, equipment rental, and special supplies related to the work.
- b. Consultants, soils engineers, surveyors, contractors, and other outside services.
- c. Rented vehicles, local public transportation and taxis, travel and subsistence.
- d. Project specific telecommunications and delivery charges.
- e. Special fees, insurance, permits, and licenses applicable to the work.
- f. Outside computer processing, computation, and proprietary programs purchased for the work.

Reimbursement for vehicles used in connection with the work will be at the federally approved mileage rates or at a negotiated monthly rate.

If prevailing wage rates apply, the above billing rates will be adjusted as appropriate.

Overtime for non-exempt employees will be billed at one and a half times the Hourly Rates specified above.

Rates for professional staff for legal proceedings or as expert witnesses will be at rates one and one-half times the Hourly Rates specified above.

Excise and gross receipts taxes, if any, will be added as a direct expense.

The foregoing Schedule of Charges is incorporated into the agreement for the services provided, effective January 1, 2021 through December 31, 2022. After December 31, 2022, invoices will reflect January 1, 2022 Schedule of Charges.

Proposal Fee Estimate (Assoc. Proj. Costs per Schedule of Charges)

CLIENT Name: Carmel Area Wastewater District (CAWD)
 PROJECT Description: WWTP Perimeter Security Chain Link Fence
 Proposal/Job Number: 22680XX.XX Date: 5/18/2022

January 1, 2021 Rates	Eng-Sci-9	Eng-Sci-8	Eng-Sci-7 Jose Cuevas QA/QC	Eng-Sci-6-Janet Hoffman	Eng-Sci-5 Nick Lazarakis	Eng-Sci-4 Tom Gereffi	Eng-Sci-3	Eng-Sci-2	Eng-Sci-1	Sr. CAD-Design	CAD-Design	Sr. CAD-Tech	CAD-Tech	Project Assistant	Admin. Assist.	Aide	Total	KJ Labor	KJ Escalation	KJ Assoc. Proj. Costs	KJ Sub-Markup	KJ ODCs	KJ ODCs Markup	Total Labor	Total Subs	Total Expenses	Total Labor + Subs + Expenses								
Classification:																	Hours	Fees	0%	\$0.00	10%	Fees	10%												
Hourly Rate:	\$310	\$295	\$275	\$245	\$220	\$205	\$190	\$165	\$135	\$175	\$160	\$145	\$130	\$130	\$110	\$90																			
Task 1 - Project Management																																			
Task 1.1 - Project Management					16										4		20	\$3,960	\$0	\$0	\$0		\$0	\$3,960	\$0	\$0	\$3,960								
Task 1.2 - Site Visit					8	8											16	\$3,400	\$0	\$0	\$0	\$100	\$10	\$3,400	\$0	\$110	\$3,510								
Task 1.3 - Quality Assurance/Quality Control (QA/QC)			6														6	\$1,650	\$0	\$0	\$0		\$0	\$1,650	\$0	\$0	\$1,650								
Task 1 - Subtotal	0	0	6	0	24	8	0	0	0	0	0	0	0	0	4	0	42	\$9,010	\$0	\$0	\$0	\$100	\$10	\$9,010	\$0	\$110	\$9,120								
Task 2 - Design																																			
Task 2.1 - 90% Design			2	6	16	42							50		4		120	\$21,090	\$0	\$0	\$0		\$0	\$21,090	\$0	\$0	\$21,090								
Task 2.2 - 90% Design Review Meeting					4	2											6	\$1,290	\$0	\$0	\$0		\$0	\$1,290	\$0	\$0	\$1,290								
Task 2.3 - Final Design			2	2	8	20							20		4		56	\$9,940	\$0	\$0			\$0	\$9,940		\$0	\$9,940								
Task 2 - Subtotal	0	0	4	8	28	64	0	0	0	0	0	0	70	0	8	0	182	\$32,320	\$0	\$0	\$0	\$0	\$0	\$32,320	\$0	\$0	\$32,320								
Phase 3 - Bidding Assistance																																			
Task 3.1 - Pre-Bid Meeting					2	2											4	\$850	\$0	\$0	\$0		\$0	\$850	\$0	\$0	\$850								
Task 3.2 - Bidder Clarifications			2		2	4											8	\$1,810	\$0	\$0	\$0		\$0	\$1,810	\$0	\$0	\$1,810								
Task 3.3 - Addenda			2		6	12							8				28	\$5,370	\$0	\$0	\$0		\$0	\$5,370	\$0	\$0	\$5,370								
Task 3.4 - Bid Evaluation Support					2	2											4	\$850	\$0	\$0	\$0		\$0	\$850	\$0	\$0	\$850								
Task 3.5 - Conformed Documents					2	2							8		4		16	\$2,330	\$0	\$0	\$0	\$200	\$20	\$2,330	\$0	\$220	\$2,550								
Task 3 - Subtotal	0	0	4	0	14	22	0	0	0	0	0	0	16	0	4	0	60	\$11,210	\$0	\$0	\$0	\$200	\$20	\$11,210	\$0	\$220	\$11,430								
All Phases Total	0	0	14	8	66	94	0	0	0	0	0	0	86	0	16	0	284	\$52,540	\$0	\$0	\$0	\$300	\$30	\$52,540	\$0	\$330	\$52,870								

RESOLUTION NO. 2022-38

A RESOLUTION AUTHORIZING THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH KENNEDY JENKS CONSULTANTS IN AN AMOUNT NOT TO EXCEED \$52,870 FOR WWTP PERIMETER FENCE DESIGN (PROJECT #19-18)

-oOo-

WHEREAS, the existing Carmel Area Wastewater District (CAWD) Wastewater Treatment Plant (WWTP) Perimeter Fence has fallen into disrepair and needs to be replaced; and

WHEREAS, Kennedy Jenks has submitted an acceptable proposal and is well qualified to provide necessary design services at a competitive rate.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that it does hereby authorize the General Manager to enter into a professional services agreement, with a not to exceed amount of \$52,870, with Kennedy Jenks Consultants for WWTP Perimeter Fence Design.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

STAFF REPORT



To: Board of Directors

From: Patrick Treanor, Plant Engineer

Date: June 30, 2022

Subject: Project #18-26 – Authorize Additional Change Order Budget –
Reclamation Sulfuric Acid and Citric Acid Storage and Feed Systems
Project

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution authorizing additional change order budget for the Reclamation Sulfuric Acid and Citric Acid Storage and Feed Systems Project in the amount of \$58,273.95.

DISCUSSION

Additional budget is being requested to allow for changing the Sulfuric Acid chemical pumping skids from a chlorinated polyvinyl chloride (CPVC) solvent weld pipe/valve system to a polyvinylidene fluoride (PVDF) fused pipe/valve system. This is an after the fact change to the design that is recommended due to a recent staff chemical exposure incident that has resulted in changes to risk tolerances. The incident occurred in December 2021 (three months after the project construction contract began) and involved a chemical leak that led to an operator being sprayed in the face with a hazardous/corrosive chemical at the MF/RO Facility. Luckily the exposure to the face did not lead to any lasting injury, however the incident has led to a change in Carmel Area Wastewater District's (CAWD) acceptance standard for chemical piping to a higher level than was previously accepted. The fused PVDF piping will have a longer life and have less risk of failure due to the heat fused joints and higher mechanical durability.

The previously allotted change order allowance of \$37,000 is being used to similarly change the chemical distribution piping material (outside of the pump skids), and to add more piping to several more dosing points requested by operations staff. Therefore, there is not enough approved change order budget to cover the additional pump skid costs.

Here is a breakdown of the project budgets approved to date:

	Budget	Status
Design (Trussell Technologies)	\$68,506.00	Completed
Awarded Construction Bid (MPE)	\$377,000.00	In Progress
Previously Authorized Change Order Allowance	\$37,000.00	In Progress
<i>Previously Authorized Total:</i>	\$482,506.00	
Change Sulfuric Pump Skids to PVDF	\$58,273.95	Request for Authorization
<i>New Total:</i>	\$540,779.95	

FUNDING

The Reclamation Project financial stakeholders have provided approval via email to CAWD for the additional project cost of \$58,273.95.

Attachment:

1. Budget approval emails from Reclamation Management Committee financial stakeholders

Patrick Treanor

From: Heuck, David <heuckd@pebblebeach.com>
Sent: Friday, June 10, 2022 12:30 PM
To: JJ West; reitzb; Patrick Treanor
Cc: jhuston@ncga.org
Subject: RE: Seeking Change Order Approval for Sulfuric Acid Project

This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. approved

From: JJ West <jjwest@mpccpb.org>
Sent: Friday, June 10, 2022 12:29 PM
To: Reitz, Brent <reitzb@pebblebeach.com>; 'Patrick Treanor' <Treanor@cawd.org>
Cc: Heuck, David <heuckd@pebblebeach.com>; Joe Huston <jhuston@ncga.org>
Subject: RE: Seeking Change Order Approval for Sulfuric Acid Project

MPCC approves the change order and the **additional \$58,273.95.**



JJ West
General Manager
Monterey Peninsula Country Club

3000 Club Road
Pebble Beach, CA 93953
T: 831.333.2200
F: 831.655.3049
www.mpccpb.org

From: Reitz, Brent <reitzb@pebblebeach.com>
Sent: Friday, June 10, 2022 11:58 AM
To: 'Patrick Treanor' <Treanor@cawd.org>
Cc: Heuck, David <heuckd@pebblebeach.com>; JJ West <jjwest@mpccpb.org>; Joe Huston <jhuston@ncga.org>
Subject: RE: Seeking Change Order Approval for Sulfuric Acid Project

Patrick: I am forwarding your request to the RMC financial stakeholders cc'd above for their feedback and/or questions to you and me.

Thank you for the detailed explanation of the additional funding request.

David, Joe and JJ: Please see Patrick's request and background related to the need for another increase to the cost of the Sulfuric Acid Project.

This project will benefit our MFRO system by allowing greater bulk chemical storage, will allow for future increases in RO production and will supply a far superior level of safety for the CAWD Staff.

Please feel free to reach out to Patrick and/or me with any questions, comments or approvals you may have.

Thanks,
br

Brent Reitz
831-277-7897 cell
Director of Energy & Water Conservation
Pebble Beach Company

From: Patrick Treanor <Treanor@cawd.org>
Sent: Friday, June 10, 2022 11:25 AM
To: Reitz, Brent <reitzb@pebblebeach.com>
Subject: Seeking Change Order Approval for Sulfuric Acid Project

Hi Brent,

I am seeking approval from the Reclamation Project financial backers for additional costs associated with the “*Sulfuric Acid and Citric Acid Storage and Feed Systems Project*”. The additional cost amount needed is \$58,273.95.

The cost increase is to allow for changing the Sulfuric Acid chemical pumping skids from a CPVC solvent weld pipe/valve system to a PVDF fused pipe/valve system. This is an after the fact change to the design that is recommended due to a recent staff chemical exposure incident that has resulted in changes to risk tolerances. The incident occurred in December 2021 (three months after the project construction contract was signed) and involved a chemical leak that led to an operator being sprayed in the face with a hazardous/corrosive chemical at the MF/RO Facility. Luckily the exposure to the face did not lead to any lasting injury, however the incident has led to a change in CAWD’s acceptance standard for chemical piping to a higher level than was previously accepted. The fused PVDF piping will have a longer life and have less risk of failure due to the heat fused joints and higher mechanical durability.

The previously allotted change order allowance of \$37,000 is being used to similarly change the chemical distribution piping material (outside of the pump skids), and to add more piping to several more dosing points requested by operations staff. Therefore, I don’t have enough approved budget to cover the additional pump skid costs.

Let me know if you have any questions or need additional information. Below is a summary of the costs to date for the “*Sulfuric Acid and Citric Acid Storage and Feed Systems Project*”:

Project Cost Summary

Design (Trussell Technologies)	\$68,506.00
Awarded Construction Bid (MPE)	\$377,000.00
Previously Authorized Change Order Allowance	\$37,000.00
<i>Previously Authorized Total:</i>	<i>\$482,506.00</i>
Change Sulfuric Pump Skids to PVDF	\$58,273.95
<i>New Total:</i>	<i>\$540,779.95</i>

Thanks,

Patrick Treanor, P.E. | Plant Engineer
Office: 831-624-1248
Carmel Area Wastewater District

Patrick Treanor

From: Joe Huston <jhuston@ncga.org>
Sent: Friday, June 10, 2022 12:31 PM
To: JJ West; reitzb; Patrick Treanor
Cc: heuckd@pebblebeach.com
Subject: RE: Seeking Change Order Approval for Sulfuric Acid Project

This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Approved.

Joe

From: JJ West <jjwest@mpccpb.org>
Sent: Friday, June 10, 2022 12:29 PM
To: Reitz, Brent <reitzb@pebblebeach.com>; 'Patrick Treanor' <Treanor@cawd.org>
Cc: Heuck, David <heuckd@pebblebeach.com>; Joe Huston <jhuston@ncga.org>
Subject: RE: Seeking Change Order Approval for Sulfuric Acid Project

MPCC approves the change order and the **additional \$58,273.95.**



JJ West
General Manager
Monterey Peninsula Country Club

3000 Club Road
Pebble Beach, CA 93953
T: 831.333.2200
F: 831.655.3049
www.mpccpb.org

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To: 'Patrick Treanor' <Treanor@cawd.org>
Cc: Heuck, David <heuckd@pebblebeach.com>; JJ West <jjwest@mpccpb.org>; Joe Huston <jhuston@ncga.org>
Subject: RE: Seeking Change Order Approval for Sulfuric Acid Project

Patrick: I am forwarding your request to the RMC financial stakeholders cc'd above for their feedback and/or questions to you and me.

Thank you for the detailed explanation of the additional funding request.

David, Joe and JJ: Please see Patrick's request and background related to the need for another increase to the cost of the Sulfuric Acid Project.

This project will benefit our MFRO system by allowing greater bulk chemical storage, will allow for future increases in RO production and will supply a far superior level of safety for the CAWD Staff.

Please feel free to reach out to Patrick and/or me with any questions, comments or approvals you may have.

Thanks,
br

Brent Reitz
831-277-7897 cell
Director of Energy & Water Conservation
Pebble Beach Company

From: Patrick Treanor <Treanor@cawd.org>
Sent: Friday, June 10, 2022 11:25 AM
To: Reitz, Brent <reitzb@pebblebeach.com>
Subject: Seeking Change Order Approval for Sulfuric Acid Project

Hi Brent,

I am seeking approval from the Reclamation Project financial backers for additional costs associated with the “*Sulfuric Acid and Citric Acid Storage and Feed Systems Project*”. The additional cost amount needed is \$58,273.95.

The cost increase is to allow for changing the Sulfuric Acid chemical pumping skids from a CPVC solvent weld pipe/valve system to a PVDF fused pipe/valve system. This is an after the fact change to the design that is recommended due to a recent staff chemical exposure incident that has resulted in changes to risk tolerances. The incident occurred in December 2021 (three months after the project construction contract was signed) and involved a chemical leak that lead to an operator being sprayed in the face with a hazardous/corrosive chemical at the MF/RO Facility. Luckily the exposure to the face did not lead to any lasting injury, however the incident has led to a change in CAWD’s acceptance standard for chemical piping to a higher level than was previously accepted. The fused PVDF piping will have a longer life and have less risk of failure due to the heat fused joints and higher mechanical durability.

The previously allotted change order allowance of \$37,000 is being used to similarly change the chemical distribution piping material (outside of the pump skids), and to add more piping to several more dosing points requested by operations staff. Therefore, I don’t have enough approved budget to cover the additional pump skid costs.

Let me know if you have any questions or need additional information. Below is a summary of the costs to date for the “*Sulfuric Acid and Citric Acid Storage and Feed Systems Project*”:

Project Cost Summary

Design (Trussell Technologies)	\$68,506.00
Awarded Construction Bid (MPE)	\$377,000.00
Previously Authorized Change Order Allowance	\$37,000.00
<i>Previously Authorized Total:</i>	<i>\$482,506.00</i>
Change Sulfuric Pump Skids to PVDF	\$58,273.95
<i>New Total:</i>	<i>\$540,779.95</i>

Thanks,

Patrick Treanor, P.E. | Plant Engineer
Office: 831-624-1248
Carmel Area Wastewater District

RESOLUTION NO. 2022-39

A RESOLUTION AUTHORIZING ADDITIONAL CHANGE ORDER BUDGET IN AN AMOUNT NOT TO EXCEED \$58,273.95 FOR THE SULFURIC ACID AND CITRIC ACID STORAGE AND FEED SYSTEMS PROJECT #18-26

-oOo-

WHEREAS, Carmel Area Wastewater District would like to enhance sulfuric acid pipe systems being constructed to reduce probability of chemical leaks; and

WHEREAS, the Reclamation Management Committee financial stakeholders have provided written approval for the additional cost via email; and

WHEREAS, the Contractor furnishing the pump skids has provided a quote to change the sulfuric acid pump skids piping from chlorinated polyvinyl chloride (CPVC) to polyvinylidene fluoride (PVDF) for \$58,273.95.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that it does hereby authorize additional change order budget in the amount of \$58,273.95, for the chemical pump skid piping change to PVDF.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

STAFF REPORT



To: Board of Directors

From: Rachél Lather, Principal Engineer

Date: June 30, 2022

Subject: Acceptance of final completion of the 2022 Manhole Frame and Lid Replacement Project #22-02

RECOMMENDATION

It is recommended that the Board of Directors adopt Resolution 2022-40 accepting the completed project and directing the General Manager to file a Notice of Completion for the subject project.

DISCUSSION

The 2022 Manhole Frame and Lid Replacement Project consisted of replacing old corroded and deteriorated cast iron manhole frame and lids at 30 locations within Carmel-by-the-Sea and the County of Monterey. On April 28, 2022, under resolution 2022-18, the project was awarded by the Board of Directors to Coastal Paving & Excavating, Inc. (Contractor) for the amount of \$55,700, including extra work. The final cost of the project is \$48,900, including extra work.

This will reduce the impact of flooding that can overwhelm the sewer collection system, by installing bolt down manhole frame and lids at locations that historically have flooded. Sealed manhole covers and new frames are anticipated to provide a barrier for inflow from heavy rains. Twenty-two of the manholes are located in the Mission Fields area and the remaining seven manholes are at various other locations within the District. There was one manhole frame and lid added to this project located on Canada Drive. This addition to the contract was an extra work item. The work began on May 16, 2022 and was completed on June 7, 2022.

All work by the Contractor, was inspected by District staff. All work was completed in conformance with the District plans and specifications. Staff recommends that the Board of Directors accept the project and direct the General Manager to file a Notice of Completion with the Monterey County Recorder's Office.

FUNDING

The FY 21/22 CAWD Collections Capital Budget includes \$55,700 for this project.

Attachment: Resolution 2022-40

District Engineer Signed Notice of Completion



Carmel Area Wastewater District

P.O. Box 221428 Carmel California 93922 •• (831) 624-1248 •• FAX (831) 624-0811

Barbara Buikema
General Manager
Ed Waggoner
Operations Superintendent
Robert R. Wellington
Legal Counsel

Board of Directors
Gregory D'Ambrosio
Michael K. Rachel
Robert Siegfried
Ken White
Charlotte F. Townsend

NOTICE OF COMPLETION

2022 MANHOLE FRAME & LID REPLACEMENT PROJECT

NOTICE IS HEREBY GIVEN that, I, Rachél L. Lather, Principal Engineer of the Carmel Area Wastewater District, Monterey County, California, on the 9th day of June, 2022 did file with the Secretary of said District my Certificate of Completion of the work described in the Contract awarded to and entered into with Coastal Paving & Excavating, Inc. on May 6th, 2022 in accordance with the Plans and Specifications for said work filed with the Secretary and approved by the Board of Directors of said District.

That said work was completed on June 7, 2022 and that acceptance of said work is recommended for approval by resolution of the Board of Directors of said District to be adopted on June 30, 2022.

That said work consisted of the performance of all work and the furnishing of all labor, materials, equipment, and utility and transportation services required to complete the Contract as described in the plans and specifications.

Dated: June 9, 2022

RACHÉL LATHER, M.S., P.E.
PRINCIPAL ENGINEER

RESOLUTION NO. 2022-40

A RESOLUTION ACCEPTING COMPLETED PROJECT AND
DIRECTING THE GENERAL MANAGER TO FILE A NOTICE OF COMPLETION
FOR THE 2022 MANHOLE FRAME AND LID REPLACEMENT PROJECT #22-02

-oOo-

BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District, Monterey County, California, that:

WHEREAS, the Principal Engineer has provided the Board an accounting of the cost of Project (the "Project") in the amount of \$48,900 This amount is within the amount the Board previously authorized the General Manager to approve, making the total cost of the project \$48,900; and

WHEREAS, the Principal Engineer of said District has filed with the Secretary of said District an Engineer's Certificate regarding completion of the construction of the Project done under and pursuant to the contract between said District and Coastal Paving & Excavating, Inc. dated June 9, 2022; and

WHEREAS, it appears to the satisfaction of this Board that said project provided for under said contract has been completed as provided in said contract and the plans and specifications therein referred to and that the work was completed on June 7, 2022.

NOW, THEREFORE, BE IT ORDERED as follows:

1. That acceptance of said 2022 Manhole Frame & Lid Replacement Project be, and it is hereby made and ordered in accordance with California Civil Code §9200(a).

2. That in accordance with California Civil Code Section §9204 the General Manager is directed to file for record with the County Recorder of the County of Monterey a notice of completion as of the date of acceptance by the District of 2022 Manhole Frame & Lid Replacement Project as required by law.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022 by the following vote:

AYES: BOARD MEMBERS:
NOES: BOARD MEMBERS:
ABSENT: BOARD MEMBERS:
ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

STAFF REPORT



To: Board of Directors
From: Rachél Lather, Principal Engineer
Date: March 31, 2022
Subject: Fiscal Year 22-23 Manhole Rehabilitation Project # 21-06

RECOMMENDATION

It is recommended that the Board of Directors approve Resolution 2022-41 to authorize the General Manager to bid and award the construction contract for the fiscal year 22-23 Manhole Rehabilitation Project and return to your Board on July 28, 2022, with results of the bidding.

DISCUSSION

As part of the ongoing efforts to reduce inflow and infiltration due to leaky manholes in the District that are near water bodies and drainageways, the Collections Department has identified 52 manholes that need to be lined this fiscal year. This will prevent sewage from exfiltrating in areas that are near water bodies and is part of the efforts to satisfy the River Watch agreement.

Manhole rehabilitation locations were determined based on the condition assessment of manholes and their location near drainageways and water bodies. Figure 1.0 shows the location of the manholes to be rehabilitated.

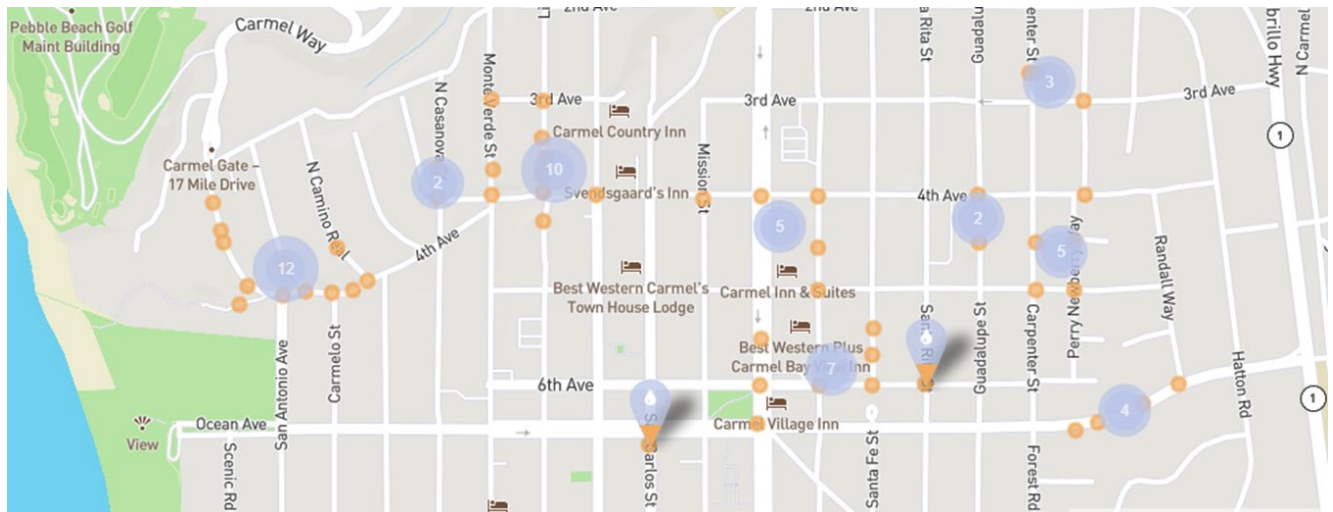
In order to proceed with bidding the projects, your Board will need to approve the attached resolution authorizing the General Manager to invite bids for the project and return on July 28, 2022, to recommend award of the contract.

FUNDING

Funding is available in the 2022-2023 Collections Operating Budget for Manholes in the amount of \$362,300. The Engineer's Estimate is \$275,000.

Attachment: Resolution 2022-41

Figure 1.0- Manhole Rehabilitation Locations



MH #	Location of Manhole	MH Material
O601	200 feet S. of Pebble Beach Gate	Concrete
O6126	Mid-block north of 4 th on San Antonio	Concrete
O606	400 feet N. of San Antonio & 4 th	Concrete
O603	200 feet N. of San Antonio & 4 th	Concrete
O605	Mid-block north of 4 th on San Antonio	Concrete
O604	Intersection of San Antonio & 4 th	Concrete
O623	Intersection of N. Carmelo & 4 th	Concrete
O622	200 feet North of Intersection of 4 th and N. Carmelo	Brick & Mortar
O650	Intersection of Carmelo & 4 th	Concrete
O648	80 feet W. of N. Camino Real & 4 th	Concrete
O647	Intersection of N. Camino Real & 4 th	Concrete
O646	N. of Camino Real & 4 th	Brick & Mortar
O633	100 feet N. of Palou & Casanova	Brick & Mortar
O634	Intersection of Palou & 4 th	Brick & Mortar
O628	Intersection of Monte Verde & 4 th	Concrete
O627	100 feet N. of Monte Verde & 4 th	Brick & Mortar
O664	200 feet south of Intersection of Lincoln and 4 th	Brick & Mortar
O665	Private Driveway off 4 th and Lincoln	Brick & Mortar
O662	Private Driveway off 4 th and Lincoln	Brick & Mortar
O661	Private Drive 200 feet N. 4 th & Lincoln	Brick & Mortar
O660	Mid-block south of 3 rd on Lincoln	Brick & Mortar
O659	Intersection of Lincoln & 3 rd	Brick & Mortar
O624	Intersection of Monte Verde & 3 rd	Brick & Mortar
O684	Intersection of Dolores & 4 th	Concrete
O6101	Intersection of Mission & 4 th	Brick & Mortar

O6110	Intersection of Junipero & 4 th	Brick & Mortar
O6112	Intersection of Torres & 4 th	Brick & Mortar
O6113	Mid-block North of Torres & 5 th	Brick & Mortar
O6114	Intersection of Torres & 5 th	Brick & Mortar
O6116	Mid-block North of Junipero & 6 th	Brick & Mortar
O6118	Intersection of Torres & 6 th	Brick & Mortar
O6119	Intersection of Junipero & 6 th	Brick & Mortar
O6120	Intersection of Ocean & Junipero	Concrete
O699	50 feet S. of Ocean & San Carlos	Brick & Mortar
O787	Intersection of Santa Rita & 6 th	Brick & Mortar
O744	Mid-block east of Ocean & Forest	Brick & Mortar
O738	200 feet east of Intersection of Ocean and Forest	Brick & Mortar
O737	Mid-block east of Ocean & Forest	Brick & Mortar
O735	Intersection of Ocean & Randall	Brick & Mortar
O767	Mid-block North of Guadalupe & 5 th	Brick & Mortar
O766	Intersection of Guadalupe & 4 th	Brick & Mortar
O759	Intersection of Carpenter & 5 th	Brick & Mortar
O757	Mid-block north of 5 th on east side of Carpenter	Brick & Mortar
O748	Intersection of Escolle & Perry Newberry	Brick & Mortar
O749	Intersection of Perry Newberry & 5th	Brick & Mortar
O753	Intersection of Lobos & 4 th	Brick & Mortar
O716	Intersection of Lobos & 3 rd	Brick & Mortar
O713	Mid-block north of 3 rd on east side of Carpenter	Brick & Mortar
O712	Mid-block north of 3 rd on west side of Carpenter	Brick & Mortar
O778	150 feet N. of Santa Fe & 6 th	Brick & Mortar
O779	Intersection of Santa Fe & 6 th	Brick & Mortar
O775	Mid-block north of 6th on Santa Fe	Brick & Mortar

Notice is hereby given that sealed proposals will be received by the District Board, Carmel Area Wastewater District, at the District office, 3945 Rio Road, until

10:00 A.M. Wednesday, JULY 26, 2022

at which time they will be publicly opened and read for performing the work as follows:

Fiscal Year 22-23 MANHOLE REHABILITATION PROJECT

The results of the bidding will be reported to the District Board within thirty (60) days of the date of the bid opening at which time if bids are found to be acceptable by the District Board, written notice of award will be given to the lowest responsive and responsible Bidder. However, said District Board reserves its right to reject any or all bids, to waive irregularities of any bids or to re-advertise for all or any part of the work contemplated.

No bidder shall withdraw his bid for a period of sixty (60) calendar days after the date set by the Board for the opening thereof.

Specifications and proposal forms may be secured at no charge by emailing the District's Principal Engineer at downstream@cawd.org and requesting the documents.

Post July 8 and 15, 2022

RESOLUTION NO. 2022-41

RESOLUTION AUTHORIZING THE GENERAL MANAGER TO INVITE BIDS FOR
CONSTRUCTION OF THE FISCAL YEAR 22-23 MANHOLE REHABILITATION
PROJECT #21-06

-oOo-

WHEREAS, the Board of Directors has received and reviewed staff's report regarding the 22-23 Manhole Rehabilitation Project (Project) invitation for bids; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District, as follows:

1. That the fiscal year 22-23 Manhole Rehabilitation Project plans and specifications are hereby authorized for bidding.

2. That sealed proposals or bids are hereby called for with regard to the aforesaid Project.

3. That the Secretary of the Board of Directors of the District is hereby directed to publish a Notice requesting bids for the aforesaid Project once a week for two (2) consecutive weeks in a newspaper of general circulation published in the District. Said publications shall not be less than five (5) days apart and the first publication shall be at least ten (10) days before the date fixed for the opening of bids. Said Notice shall refer to the plans and specifications on file in the office of the District Secretary.

4. Sealed proposals or bids shall be delivered to the secretary of the Board of the Carmel Area Wastewater District on or before the time and date specified in the published Notice, at the office of the District, 3945 Rio Road, Carmel, California, 93922, said time being not less than ten (10) days from the time of the first publication of the Notice. Bids will be publicly opened and examined on said date and hour by the District Secretary and will be referred to and considered by the Carmel Area Wastewater District Board at its next regular meeting following the opening of the bids in the Board Room of the District office, 3945 Rio Road, Carmel, California.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on June 30, 2022, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White President of the Board

ATTEST:

Domine Barringer, Secretary to the Board

Staff Report



To: Board of Directors

From: Barbara Buikema, General Manager

Subject: 2022 Multi-Jurisdictional Hazard Mitigation Plan (MJHM)

Date: June 30, 2022

RECOMMENDATION

It is recommended that the Carmel Area Wastewater District Board of Directors adopt the 2022 Monterey County Multi-Jurisdictional Hazard Mitigation Plan:

- Volume: Planning Area Wide Elements and,
- Volume 2: Carmel Area Wastewater District Annex N

SUMMARY

The Federal Emergency Management Agency (FEMA) and the California Governors' Office of Emergency Services (Cal OES) have completed a preliminary review of the 2022 Monterey County Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). FEMA and Cal OES have given tentative approval of the plan, pending local adoption. The approval of the plan ensures the Carmel Area Wastewater District's eligibility and pre-qualification for potential federal pre-and post-disaster funding. The plan includes hazard identification, risk and vulnerability assessments, and mitigation strategies to reduce vulnerability and risk from hazards and reduce the severity of the effects of hazards on people, property, and the environment.

DISCUSSION

Monterey County and Carmel Area Wastewater District is potentially vulnerable to a wide range of natural and man-made hazards. These hazards can threaten the life and safety of residents and visitors and have the potential to damage or destroy both public and private property and disrupt the local economy and overall quality of life.

While the threats from hazard events may never be fully eliminated, there is much that can be done to lessen their potential impact. The purpose of hazard mitigation is to implement and sustain actions that reduce vulnerability and risk from hazards or reduce the severity of the effects of hazards on people, property, and the environment.

The Disaster Mitigation Act (DMA) of 2000 (Public Law 106-390) requires state and local government agencies to prepare comprehensive Hazard Mitigation Plans in order to be eligible to receive pre-and post-disaster mitigation funding from the Federal Emergency Management Agency (FEMA). The DMA also requires the Hazard Mitigation Plan to be monitored, evaluated, and updated within a five-year cycle to remain eligible for disaster related benefits under the DMA.

The 2022 Monterey County Multi-Jurisdictional Local Hazard Mitigation Plan (MJHMP) is a comprehensive update to the 2016 Monterey County Multi-Jurisdictional Hazard Mitigation Plan and represents the third iteration of the Monterey County Multi-Jurisdictional Hazard Mitigation Plan, which was initially adopted in 2007. The planning area for the MJHMP encompasses the entire geographic area of Monterey County and includes the following Participating Jurisdictions: Monterey County, the cities of Carmel-by-the-Sea, Del Rey Oaks, Gonzales, Greenfield, King, Marina, Monterey, Pacific Grove, Salinas, Sand City, Seaside, and Soledad, as well as the Monterey County Water Resources Agency, the Carmel Area Wastewater District, Monterey One Water, the Monterey Regional Waste Management District, and the Moss Landing Harbor District.

The 2022 update to the MJHMP was developed by the MJHMP Steering Committee, made up of participants from the County and Participating Jurisdictions. The Steering Committee served as an advisory body on hazard and mitigation action priorities both for the County as a whole and each jurisdiction individually, with Monterey County Office of Emergency Services as the Planning Lead. The Monterey County MJHMP:

- Provides an explanation of prevalent hazards within the County and describes how hazards may affect the County and participating jurisdictions differently based upon various relationships to natural hazards.
- Includes a discussion of hazard location, size of a typical event, historical occurrences, and the probability of future occurrences for each identified hazard.
- Identifies risks to vulnerable assets, both people and property.
- Provides a mitigation strategy that responds to the identified vulnerabilities within each community and provides prescriptions or actions to achieve the greatest risk reduction based upon available resources.
- Pools resources from throughout the County and creates a uniform local hazard mitigation plan that can be consistently implemented.
- Ensures eligibility for Federal Emergency Management Agency (FEMA) and Cal OES grants

The Carmel Area Wastewater District Annex provides specific details on the District's planning process, a District specific risk and vulnerability assessment, and a mitigation strategy that responds to the identified vulnerabilities within to achieve the greatest risk reduction based upon available resources.

The plan underwent review by the County and Participating Jurisdictions, the general public (Review period occurred from December 2021 to March 2022) and received Approval Pending Adoption from FEMA on June 14, 2022.

OTHER AGENCY INVOLVEMENT

The Multi-Jurisdictional Hazard Mitigation revision process brought together representatives of involved stakeholder agencies and organizations who could have a role in mitigation planning and implementation of mitigation strategies as identified in the plan. Monterey County, the cities of Carmel-by-the-Sea, Del Rey Oaks, Gonzales, Greenfield, King, Marina, Monterey, Pacific Grove, Salinas, Sand City, Seaside, and Soledad, as well as the Monterey County Water Resources Agency, the Carmel Area Wastewater District, Monterey One Water, the Monterey Regional Waste Management District, and the Moss Landing Harbor District participated in the planning and completion of the plan.

FINANCING

There is no fiscal impact for the approval of the MJHMP. However, implementation of the MJHMP will require funding and staff resources. Future funding requests will come before this Board for consideration as part of the budget process or on a case-by-case basis

Note: The MJHMP is a very large document. Therefore, we have posted it on the District's website (under the Board Meeting tab) for viewing purposes.

Volume 1 460 pages (Planning Area Wide Elements- various pages)

Volume 2 446 pages Carmel Area Wastewater District Annex N - page 347)

If you would like a hard copy of the document, please call the Administrative office and arrangements will be made to have one printed for you. After the June 30th board meeting this report will post at the following link on the District website: [County of Monterey Multi- Jurisdictional Hazard Mitigation Plan- Volume I & II](#)

RESOLUTION NO. 2022-42

A RESOLUTION OF CARMEL AREA WASTEWATER DISTRICT ADOPTING THE
2022 MONTEREY COUNTY

MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN (MJHMP)

-oOo-

WHEREAS, the Carmel Area Wastewater District is vulnerable to natural hazards that may result in loss of life and property, economic hardship, and threats to the public health and safety; and

WHEREAS, Carmel Area Wastewater District anticipates climate change will exacerbate the severity, frequency, and impacts of natural hazards; and

WHEREAS, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

WHEREAS, the federal Disaster Mitigation Act of 2000 requires all cities, counties, and special districts to have adopted a Hazard Mitigation Plan to receive pre-and post-disaster mitigation funding from the Federal Emergency Management Agency (FEMA); and

WHEREAS, a coalition of Monterey County local governments and special districts embarked on a planning process to prepare for and lessen the impacts of specified hazards by updating the Monterey County Multi-Jurisdictional Hazard Mitigation Plan (MJHMP), which is the blueprint for reducing the Operational Area's vulnerability to disasters and hazards; and

WHEREAS, the update to the MJHMP has been prepared in accordance with federal laws, including the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as amended; Disaster Mitigation Act of 2000, as amended; the National Flood Insurance Act of 1968, as amended; and the National Dam Safety Program Act, as amended; and

WHEREAS, the MJHMP identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the Carmel Area Wastewater District from the impacts of future hazards and disasters; and

WHEREAS, the MJHMP planning partnership and Carmel Area Wastewater District completed a coordinated planning process that engaged the public, assessed the risk and vulnerability to the impacts of natural hazards, developed a mitigation strategy consistent with a set of uniform goals and objectives, and created a plan for implementing, evaluating, and revising the strategy; and

WHEREAS, each jurisdiction has been responsible for the review and approval of their individual sections of the Plan, and the Plan presents the accumulated information in a unified framework to ensure a comprehensive and coordinated hazard mitigation plan that covers the entire Monterey County Operational Area planning area that is aligned with the goals, objectives, and priorities of the State's multi-hazard mitigation plan; and

WHEREAS, the result of the countywide organizational effort is a two volume Hazard Mitigation Plan, which will result in a Federal Emergency Management Agency (FEMA) and California Office of Emergency Services (Cal OES) approved multi-jurisdictional, multi-hazard mitigation plan; and

WHEREAS, the MJHMP has been reviewed by the California Governor's Office of Emergency Services (Cal OES) and FEMA, Region IX, and have approved it contingent upon its official adoption by the participating governing bodies; and

WHEREAS, adoption of the Plan will allow the jurisdictional partners to collectively and individually become eligible to apply for hazard mitigation project funding and demonstrates its commitment to hazard mitigation and achieving the goals outlined in the Monterey County Multi-Jurisdictional Hazard Mitigation Plan.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors, finds this action exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15262 (feasibility and planning studies) and Section 15061(b)(3) (common sense exemption).

BE IT FURTHER RESOLVED that the Board of Directors, hereby adopts the 2022 Monterey County Multi-Jurisdictional Hazard Mitigation Plan, consisting of Volume 1 in its entirety and Carmel Area Wastewater District's Annex in Volume 2.

BE IT FURTHER RESOLVED that the Board of Directors, resolves to integrate the Monterey County Multi-Jurisdictional Hazard Mitigation Plan by reference into the Public Safety Element of the General Plan in accordance with the requirements of Government Code sections 65302, 65302.6, and 8685.9.

BE IT FURTHER RESOLVED that the Board of Directors directs staff to:

1. Use the Plan to guide pre-and post-disaster hazard mitigation.
2. Pursue implementation of the identified mitigation actions subject to the limitations of available of funding and staff.
3. Coordinate the strategies in the plan with other planning programs and mechanisms under its jurisdictional authority.
4. Continue support of ongoing countywide mitigation efforts.
5. Continue to participate in the regional planning partnership as described by the MJHMP.

BE IT FURTHER RESOLVED that Carmel Area Wastewater District will submit this adopted resolution to the California Office of Emergency Services and FEMA Region IX officials to enable the Plan's final approval in accordance with the requirements of the Disaster Mitigation Act of 2000 and to establish conformance with the requirements of AB 2140

PASSED AND ADOPTED by the Board of Directors of the Carmel Area Wastewater District at a regular meeting duly held on June 30, 2022 by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

Ken White, President of the Board

ATTEST:

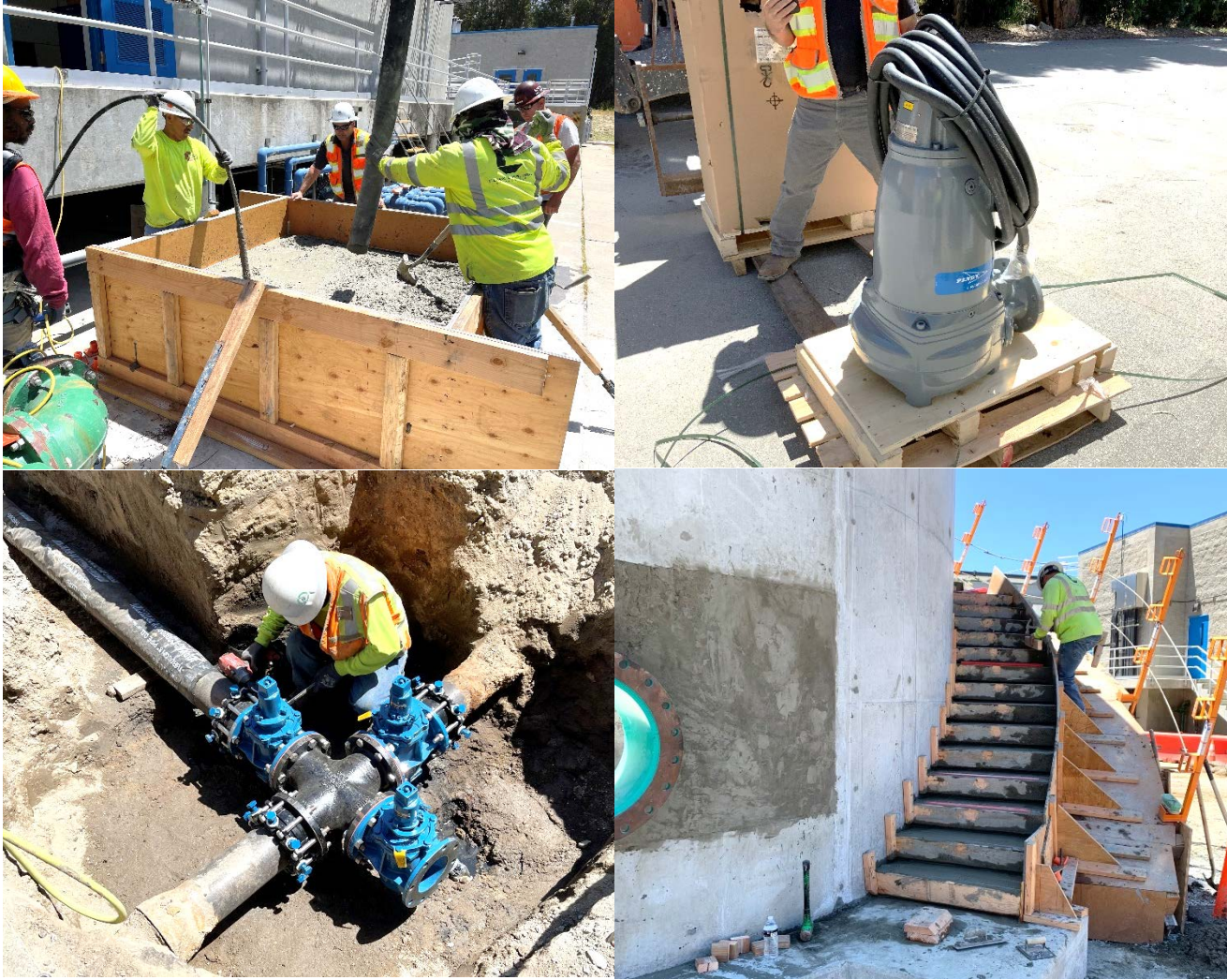
Domine Barringer, Secretary of the Board

Carmel Area Wastewater District
WWTP Elec/Mech Rehab and Sludge Holding Tank Replacement Project

Construction Progress Report

June 16th, 2022

Prepared by: Patrick Treanor, Plant Engineer
Contractor: Clark Bros Inc (CBI)



Section 1: Project Summary

Project Summary			
General Contractor		Clark Bros Inc	
Contract Value			
Contract Bid Amount		\$7,291,500	
Change Orders Issued to Date		1	
Value Added Change Order Cost ⁽¹⁾	% of Bid Amount	\$28,199.96	0.38%
Non Value Added Change Order Cost ⁽²⁾	% of Bid Amount	\$47,839.58	0.66%
Total Change Order Cost	% of Bid Amount	\$76,039.54	1.0%
Current Contract Value		\$7,367,539.54	
Open/Pending Potential Change Orders (PCO)		1	
Contract Time			
Notice To Proceed		September 7 th , 2021	
Original Contract Time		550 Calendar Days	
Calendar Days Elapsed		281 Days	
Weather Days: Accepted to Date		0 Days	
Contract Change Order(s) Time Extension		0 Days	
Current Contract Completion Date		March 3 rd , 2023	
Contract Progress Summary			
Total Project Time Expended		51%	
Total Project Construction Cost Expended		37% (not including retention)	

Notes:

1. Value Added Change Orders include: District Requested Additional Work and Betterments
2. Non Value Added Change Orders include: Design Issues, and Unforeseen/Differing Site Conditions

Section 2: Work Performed This Month

2.1 General

Work focused on the Sludge Holding Tank construction this month due to pending deliveries of equipment and piping necessary for continuation of work in other areas. Several equipment deliveries were received over the past month for the Influent Pump Station, Headworks, and 3W System, but a few more deliveries are needed (anticipated in July and August) to allow mechanical work in these areas to commence in earnest.

2.1.1 Submittals

Submittals reviewed this month included equipment O&M Manuals and concrete resurfacing materials.

2.1.2 PLC Programming

PLC programming by Frisch Engineering is in progress.

2.2 Site Work

2.2.1 Potholing/Locating Existing Utilities

None.

2.3 Sludge Holding Tank Replacement

The elevated concrete platform and stairs were built this month; wrapping up the majority of the concrete tank structural work. New buried sludge piping that will feed the new tank was tied-in to the existing system piping.

2.4 Influent Pump Station Rehab

Clark Bros removed the old generator exhaust muffler on the roof of Influent Building. Two of four new Influent Pumps were delivered this month.

2.5 Headworks Rehab

Conduit lay out and rough-in came to a stopping point this month inside the Headworks structure. The new mechanical headworks screens were delivered.

2.6 Chlorination Building Rehab/3W System Improvements

The concrete was placed for the 3W bladder tank concrete pad. The bladder tank was delivered.

2.7 Effluent Pump Station Rehab

No work observed.

Section 3: Project Issues

In March 2022, Clark Bros informed CAWD of delays in procurement of the Motor Control Center (MCC) equipment. The MCC equipment will not arrive until September. Other major equipment will start arriving on-site in June, July and August. Clark Bros is currently working on a revised project schedule reflecting new equipment delivery dates.

Section 4: RFI and Submittals Review Summary

The following table contains a summary of RFI/Clarifications and Submittals to date:

	Total Number Processed	Number Received in Current Month
RFI/Clarifications	36	1
Submittals	133	3

Section 5: Change Order Summary

Potential change orders (PCOs) are being generated for differing site conditions, owner requested changes, and design issues.

	Total Number Processed to Date	Open PCO Pending Quote/Approval	Number Generated in Current Month	Total Cost Approved to Date
Potential Change Orders (PCO)	6	1	1	NA
Change Orders	1	0	0	\$76,039.54

Section 6: Project Schedule and Budget

6.1 Schedule

The Baseline CPM Schedule is being revised based on new estimated equipment procurement lead times.

6.2 Budget

At this time the approved change orders amount to 1% of the project cost. The project management team is continually monitoring the costs of potential changes to manage costs.

Currently the amount to be paid to CBI is 37% (not including retention) of the total approved budget (41% with retention).

Section 7: Photos

- Sludge Holding Tank Replacement
- Influent Pump Station
- Headworks Rehab
- Chlorination Building Rehab/3W System Improvements

Information/Discussion

Photos:
Sludge Holding Tank
Replacement



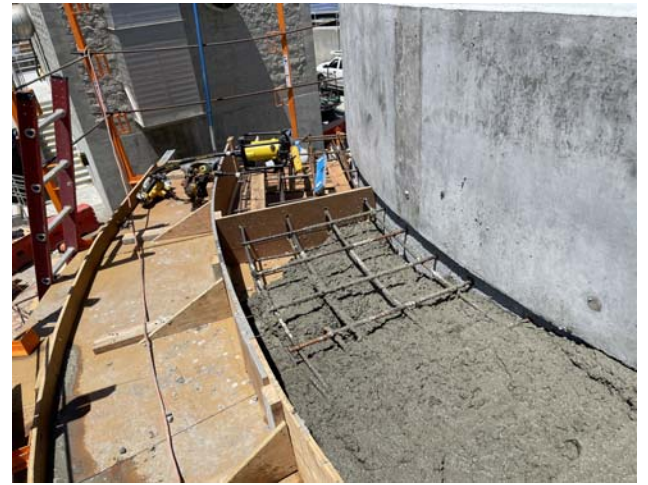


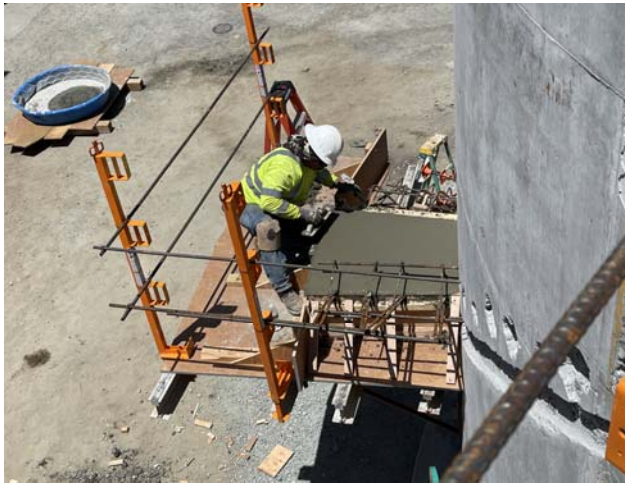




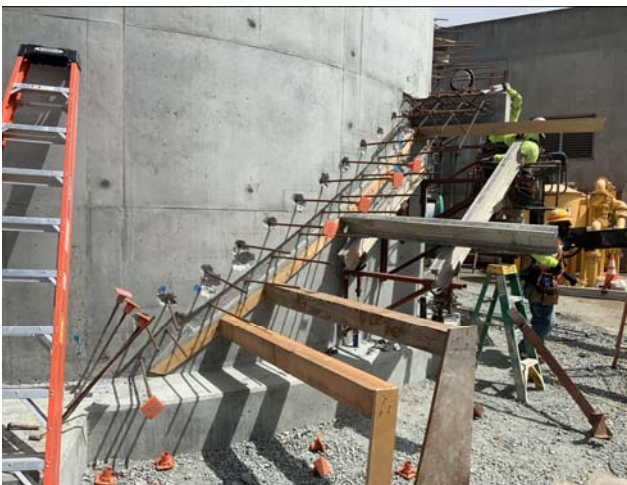


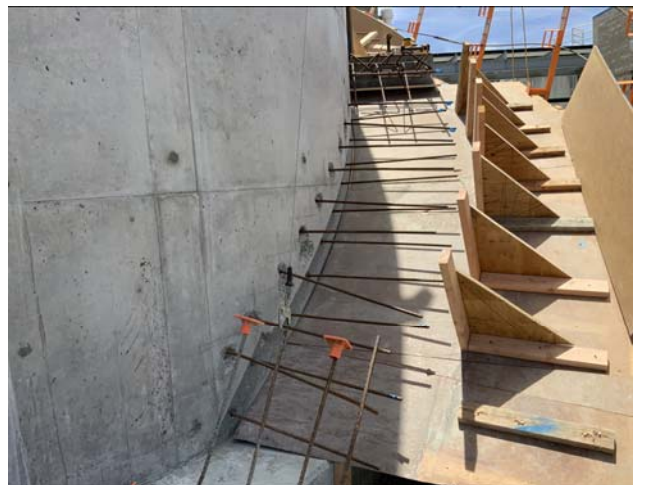
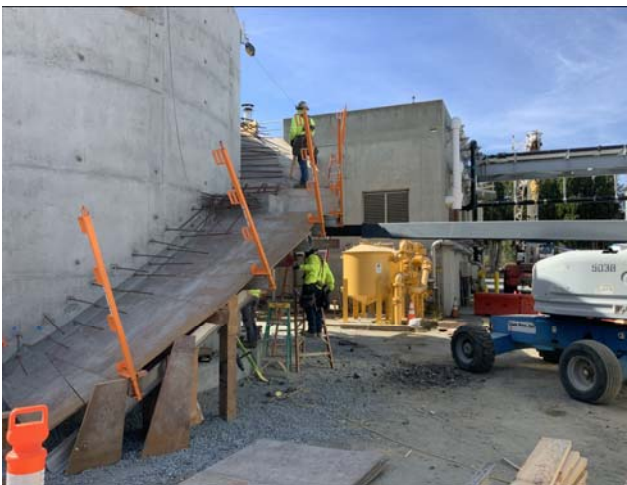
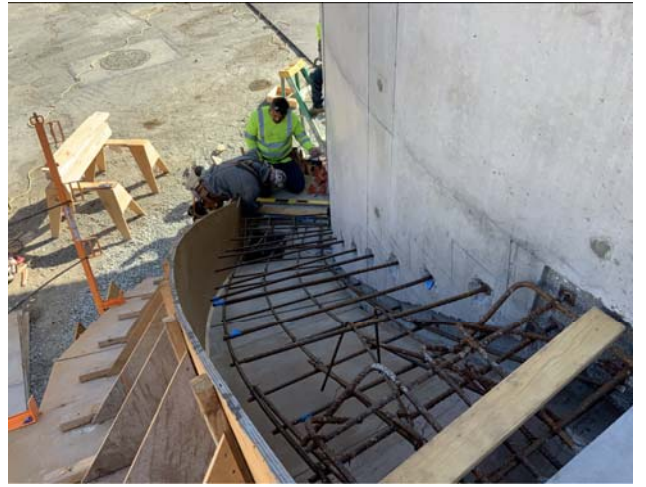


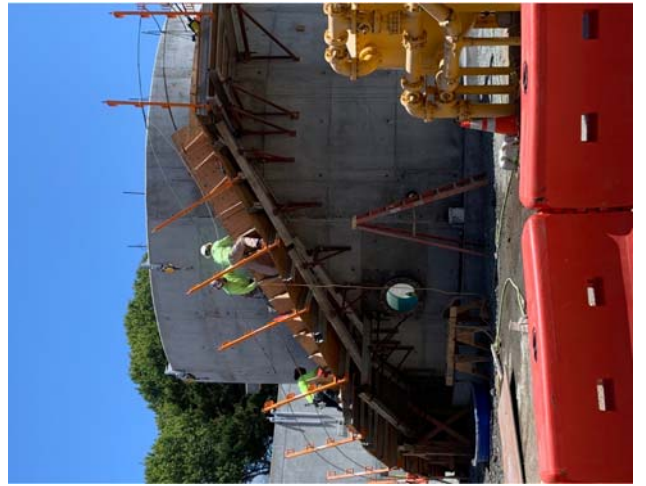








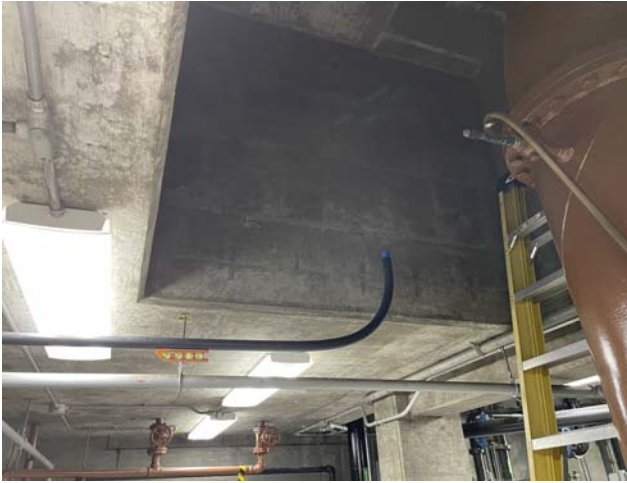




Photos:
Influent Pump Station Rehab



Photos:
Headworks Rehab





Photos:
Chlorination Building/3W System
Improvements



STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: June 30, 2022

Subject: Pebble Beach Community Services District (PBCSD) – Regular Board Meeting on May 27, 2022

DISCUSSION

Agenda items from the May 27, 2022, meeting that are of specific interest to this District:

- Total cash balance at the end of April 2022 was \$28.4M; of that amount \$19.8M was designated for Capital Acquisition and Outlay Reserves. Property taxes comprise roughly 80% of District revenues with user fees making up 22% of total actual cost of wastewater operations.
- Budget Summary data shows revenues through April 2022 of \$24.0M or 80% of budget and expenditures of \$17.5M or 58% of budget.
- Forest Lake Reservoir is holding 96 million gallons (MG) or 295-acre feet (AF) of recycled water. This represents 83% of the permitted capacity of 115MG. The current storage volume is 5% below the historic average of 101MG or 310AF.
- Average daily wastewater flow of 392,000 gallons per day (GPD) was measured in April at the PBCSD-Carmel gate. This represents 34% of the total flow at the Carmel Area Wastewater District (CAWD) treatment facility. The measured PBCSD flow was 20% below the five-year average of 491,000GPD for the month of April. The CAWD total flows were 15% below the five-year average of 1,383,000GPD for April.
- Total irrigation water demand for the 2022 calendar year through April was 260-acre feet (AF). Total demand for the calendar year is 117% above the 5-year average of 120 AF through April. 2022 irrigation demand to-date through April is 41% above last year's end of April total to-date demand of 185AF. The month of April reflected a net storage decrease of approximately 4MG.

- All five alternative source water projects were brought back online in late April and are currently producing a combined 84,000GPD. Total production for 2022 calendar year through mid-May was approximately 4.1MG.
- Supervisory Control and Data Acquisition (SCADA) system upgrade continues to be dependent upon material supply issues. Implementation of this project looks unlikely to commence before July.
- Final design documents were received on Cathodic Protection Project. Staff will coordinate with CAWD to review final design in June.
- Average daily wastewater flows measured in million gallons per day (MG) show:

MONTH	TOTAL	CAWD FLOW	PBCSD FLOW	PBCSD
July – 21	37.117	25.481	11.636	31.350%
Aug – 21	36.578	25.206	11.372	31.090%
Sept – 21	31.800	22.717	9.083	28.563%
Oct – 21	35.625	24.518	11.107	31.177%
Nov – 21	33.282	22.731	10.551	31.702%
Dec – 21	55.861	35.261	20.600	36.877%
Jan – 22	40.807	26.530	14.277	34.987%
Feb – 22	31.191	21.369	9.822	31.490%
Mar – 22	34.430	23.496	10.934	31.757%
Apr - 22	35.101	23.329	11.772	33.538%
Total	371.792	250.638	121.154	32.586%

May 9, 2022

Carmel Area Wastewater District
PO Box 221428
Carmel, CA 93922

RE: Questions and Concerns re proposed grinder pump at 2805 Ribera Road

Dear Sirs and Madams,

My husband and I attended the 4/20/22 zoom meeting about the proposed new wastewater system proposed for our neighborhood and our home, and I met with Daryl Lauer on May 6, 2022 outside our home, with another neighbor.

We strongly oppose the proposed wastewater system which would include installing a grinder pump on our property. We especially object to incurring any financial responsibility for a system we don't want. We pay very high property taxes. The taxes we pay include, among other things, utility services such as wastewater treatment. Fairness demands that CAWD treat property owners equally. The system you are proposing for Carmel Meadows would provide services to all the homes in our neighborhood except those at 2795, 2805, 2815 and 2825 Ribera with no financial responsibility to the homeowners, but you are proposing to burden our 4 properties with future financial responsibility for maintenance, repair and replacement of a grinder pump system. This future financial responsibility is unfair and unacceptable.

We would appreciate written answers to the following questions:

- 1) Please explain all alternative options to the proposal that involves moving the pump station to Mariposa and installing grinder pumps at 2795 Ribera, 2805 Ribera, 2815 Ribera, 2825 Ribera. Is there an option (even if it is more expensive to the district) that would serve all homes without the use of grinder pumps?
- 2) Please explain why the above 4 homes cannot be served by the proposed new gravity system. Mr. Lauer explained that the canyon between 2795 Ribera and Calle de Cruz is a barrier to connection in the current location but why can these 4 homes not be connected to the proposed new location on Mariposa without grinder pumps?

- 3) Will any of the work on either the new lift station at the end of Mariposa or the work on the residential grinder pump stations require the removal of any trees?
- 4) Is there any danger of disturbing the root and/or mycorrhizal network underlying any of the oak trees behind our home (there is a vast and mycorrhizal network underlying these trees, and disturbing this network can adversely impact all the neighboring trees.)
- 5) Will CAWD assume responsibility for damage to any of the oak trees and replacement of the same with mature oak trees?
- 6) Is there any danger to the integrity of the hillside behind the homes on Ribera that would be caused by this project cutting into the hillside?
- 7) If any erosion resulting from this wastewater construction project damages the stability of the hillside homes at 2795 Ribera, 2805 Ribera, 2815 Ribera or 2825 Ribera, does CAWD assume full responsibility for repair and/or replacement of these homes?
- 8) Will there be any damage to the landscaping at any of these 4 homes by installation of a grinder pump? If so, does CAWD assume the responsibility of the cost of replacement of the damaged landscaping?
- 9) Will there be any audible noise from the new pump station on Mariposa Court?
- 10) Will there be any audible noise from the grinder pumps at 2795 Ribera, 2805 Ribera, 2815 Ribera and 2825 Ribera?
- 11) What is the life expectancy of the proposed grinder pumps?
- 12) Your 4/14/22 bulletin says that CAWD accepts responsibility for all maintenance costs of the residential pump stations until the sale of our homes. If a homeowner dies and the property passes by inheritance (rather than sale) within the next 20 years, will CAWD continue responsibility for these maintenance costs or is inheritance treated the same as a purchase?
- 13) If one of the property owners were to sell their house, there could be a substantial reduction in the sale price of the home due to the buyer's financial responsibility for their own pump system. Will the current homeowner be compensated for this substantial loss in the value of their home?

- 14) We are advised that if a homeowner is “gone for awhile”, they would need to flush out the system when they return. Please explain what period “awhile” refers to, and what exactly is involved in “flushing out the system”.
- 15) What is the estimated monthly cost to the homeowner for running a grinder pump on their property?
- 16) Could there be ANY possible odor associated with a grinder pump either outside the home or inside the home?
- 17) Mr. Lauer explained that if a grinder pump malfunctions, there would be an audible noise and a flashing light to alert the homeowner. What would happen if the homeowner is out of town? Would the noise and light continue indefinitely?
- 18) If the grinder system malfunctions when the homeowner is away, could this result in any backup of wastewater in the home?
- 19) If there is ever any damage to one of these homes caused by a malfunctioning grinder pump, such as backup wastewater flooding or fouling of flooring or other material, does CAWD expect financial responsibility for such costs?
- 20) What is the estimated cost of replacing the grinder pump cost in 20 years (including the cost of the unit, and attaching the new unit to both the wastewater system and the electric system).
- 21) Why is CAWD trying to assign future financial responsibility to the above 4 homes without including it in the overall public cost of the entire system?

Sincerely,



Deborah and Werner Ju
2805 Ribera Road
Carmel, CA 93923



Carmel Area Wastewater District

P.O. Box 221428 Carmel California 93922 ❖ (831) 624-1248 ❖ FAX (831) 624-0811

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June 15, 2022

Deborah Ju
2805 Ribera Road
Carmel, CA 93923

**SUBJECT: Project # 19-03 Carmel Meadows Lift Station and Sewer Replacement
Project -Response to May 9, 2022 Letter**

To Deborah Ju:

Thank you for your questions and interest in the Carmel Meadows Sewer Replacement Project environmental review. Many of the comments were not considered to be environmental issues and therefore were not addressed in the initial study/mitigated negative declaration (IS/MND) response to comments. They are important questions and CAWD is providing responses to each question in **BLUE** following the question that you provided.

- 1) Please explain all alternative options to the proposal that involves moving the pump station to Mariposa and installing grinder pumps at 2795 Ribera, 2805 Ribera, 2815 Ribera, 2825 Ribera. Is there an option (even if it is more expensive to the district) that would serve all homes without the use of grinder pumps? **As discussed in the presentation there were two other alternatives provided by Kennedy Jenks in 2017. Neither of these options were feasible due to environmental significance as discussed in the response to the comments to the Initial Study/Mitigated Negative Declaration on June 30, 2022.**
- 2) Please explain why the above 4 homes cannot be served by the proposed new gravity system. Mr. Lauer explained that the canyon between 2795 Ribera and Calle de Cruz is a barrier to connection in the current location but why can these 4 homes not be connected to the proposed new location on Mariposa without grinder pumps? **The four homes currently gravity flow to a sewer line**

downhill and west of the homes. That sewer line is being relocated to a location that is not downhill from the homes. An ejector pump is needed to lift the residential sewage to a nearby sewer line to the east.

- 3) Will any of the work on either the new lift station at the end of Mariposa or the work on the residential grinder pump stations require the removal of any trees? [No trees will be removed due to this project.](#)
- 4) Is there any danger of disturbing the root and/or mycorrhizal network underlying any of the oak trees behind our home (there is a vast and mycorrhizal network underlying these trees and disturbing this network can adversely impact all the neighboring trees)? [This question is addressed in the response to the comments to the Initial Study/Mitigated Negative Declaration on June 30, 2022.](#)
- 5) Will CAWD assume responsibility for damage to any of the oak trees and replacement of the same with mature oak trees? [No trees will be removed due to the project.](#)
- 6) Is there any danger to the integrity of the hillside behind the homes on Ribera that would be caused by this project cutting into the hillside? [This item is addressed in the response to the comments to the Initial Study/Mitigated Negative Declaration on June 30, 2022.](#)
- 7) If any erosion resulting from this wastewater construction project damages the stability of the hillside homes at 2795 Ribera, 2805 Ribera, 2815 Ribera or 2825 Ribera, does CAWD assume full responsibility for repair and/or replacement of these homes? [The stability of the hillside will not be affected by this project.](#)
- 8) Will there be any damage to the landscaping at any of these 4 homes by installation of a grinder pump? If so, does CAWD assume the responsibility of the cost of replacement of the damaged landscaping. [If the contractor has to remove any landscaping for construction of this project the contractor will be required to replace in kind the landscaping.](#)
- 9) Will there be any audible noise from the new pump station on Mariposa Court? [This item is included in the response to the comments to the Initial Study/Mitigated Negative Declaration on June 30, 2022.](#)

- 10) Will there be any audible noise from the grinder pumps at 2795 Ribera, 2805 Ribera, 2815 Ribera and 2825 Ribera? [This item is addressed in the response to comments to the Initial Study/Mitigated Negative Declaration on June 30, 2022.](#)
- 11) What is the life expectancy of the proposed grinder pumps? [15 years as discussed in the response to the comments to the Initial Study/Mitigated Negative Declaration on June 30, 2022.](#)
- 12) Your 4/14/22 bulletin says that CAWD accepts responsibility for all maintenance costs of the residential pump stations until the sale of our homes. If a homeowner dies and the property passes by inheritance (rather than sale) within the next 20 years, will CAWD continue responsibility for these maintenance costs or is inheritance treated the same as a purchase? [Within the next 6 months, a proposed policy will be developed by the Board for all homes within the District that will need to use grinder pumps.](#)
- 13) If one of the property owners were to sell their house, there could be a substantial reduction in the sale price of the home due to the buyer's financial responsibility for their own pump system. Will the current homeowner be compensated for this substantial loss in the value of their home? [There are between 80-100 homes within our district that require the use of grinder pumps. There is no indication that there is an issue with home values due to grinder pumps. Grinder pumps are widely used throughout California.](#)
- 14) We are advised that if a homeowner is "gone for a while", they would need to flush out the system when they return. Please explain what period "awhile" refers to, and what exactly is involved in "flushing out the system". [If the homeowner is absent for over a week, the manufacturer recommends running clean water down the kitchen, laundry, or bathroom sink for about 10 minutes before the homeowner leaves.](#)
- 15) What is the estimated monthly cost to the homeowner for running a grinder pump on their property? [The cost is estimated to be less than \\$7 dollars a month.](#)

- 16) Could there be ANY possible odor associated with a grinder pump either outside the home or inside the home? During operation, no odor impacts associated with the grinder pumps would be expected as long as the pumps are properly maintained.
- 17) Mr. Lauer explained that if a grinder pump malfunctions, there would be an audible noise and a flashing light to alert the homeowner. What would happen if the homeowner were out of town? Would the noise and light continue indefinitely? If the homeowner is out of town or away the sewer system will not be used. The ejector pump system only works when water runs down the drains to the pump. If the house is not occupied no water will be going into the sewer system and therefore there will be no malfunction to report.
- 18) If the grinder system malfunctions when the homeowner is away, could this result in any backup of wastewater in the home? See answer to 17, also the lateral has a SRV (Sewer Relief Valve) in the yard that allows the sewage to overflow outside should there be a backup.
- 19) If there is ever any damage to one of these homes caused by a malfunctioning grinder pump, such as backup wastewater flooding or fouling of flooring or other material, does CAWD except financial responsibility for such costs? The SRV (Sewer Relief Valve) will not allow a malfunction from the ejector pump system to back up in the home it would overflow outside should there be a backup.
- 20) What is the estimated cost of replacing the grinder pump cost in 20 years (including the cost of the unit and attaching the new unit to both the wastewater system and the electric system)? The pumps are the only item that would need to be replaced in the future. They cost about \$700 each to replace and only need to be replaced if they fail.
- 21) Why is CAWD trying to assign future financial responsibility to the above 4 homes without including it in the overall public cost of the entire system? The private lateral system, which is the 4" diameter lateral that leaves the home up to the connection to the District main pipeline, is owned by the property owner. All costs to maintain and replace the pipe, even if it is in the street, are the responsibility of every property owner in the District.

We hope that this response letter provides you with a better understanding of the project and an understanding that we could not eliminate the need for individual grinder pumps due to the environmental and physical constraints at the project site. The IS/MND is available for review on our website at <https://www.cawd.org/ceqa-notices>.

Sincerely,



Rachel Lather
Principal Engineer
Carmel Area Wastewater District
831-624-1248
lather@cawd.org