

CARMEL AREA WASTEWATER DISTRICT

Regular Board Meeting

3945 Rio Road, Carmel, CA 93923

August 25, 2022 Thursday 9:00AM



CARMEL AREA WASTEWATER DISTRICT REGULAR BOARD MEETING MINUTES *Thursday, 9:00 a.m., July 28, 2022*

Via Teleconference Webinar

CALL TO ORDER - ROLL CALL - The meeting was called to order at 9:00 a.m.

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

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 Chris Foley, Maintenance Superintendent, CAWD Daryl Lauer, Collections Superintendent, CAWD Seth Steele -Freitas, Collections/Maintenance Utility Worker I, CAWD Domine Barringer, Board Secretary, CAWD Robert Wellington, Wellington Law Offices, CAWD Legal Counsel Peter McKee, Board Member of Pebble Beach Community Services District (PBCSD) Mike Niccum, General Manager, PBCSD Nick Becker, P.E. Deputy General Manager/District Engineer Yuriana Nunez, Administrative Coordinator
- 1. *Public Comments:* No public comments

2. Agenda Changes:

- a. Item #28 page 202 insert the final bid award information, which occurred on 7-26-22
- b. Item #4 the employee recognition of achievement for Mike Skinkle will be moved to the August board meeting.
- 3. New Employee Introduction Seth Steele-Freitas, Collections/Maintenance Utility Worker I

The board gave a warm welcome to Mr. Steele-Freitas.

4. California Water Environment Association- Employee Recognition of Achievement-Grade IV Mechanical Technologist- Mike Skinkle The employee recognition will occur at the August board meeting

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

The Consent Agenda consists of routine items for which Board approval can be taken with a single motion and vote. A Board Member may request that any item be placed on the Regular Agenda for separate consideration.

Board Action

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

- **5.** Approve June 30, 2022, Regular Board Meeting Minutes, July 20, 2022 Special Meeting Board Retreat Minutes
- 6. Receive and Accept Bank Statement Review by Hayashi Wayland June 2022
- 7. Receive and Accept Schedule of Cash Receipts & Disbursements June 2022
- **8.** Approve Register of Disbursements Carmel Area Wastewater District June 2022
- **9.** Approve Register of Disbursements CAWD/PBCSD Reclamation Project June 2022
- **10.** Receive and Accept Financial Statements and Supplementary Schedules June 2022
- **11.** Receive and Accept Collection System Superintendent's Report June, May & April 2022
- **12.** Receive and Accept Safety and Regulatory Compliance Report June 2022
- **13.** Receive and Accept Treatment Facility Operations Report June, May & April 2022
- 14. Receive and Accept Laboratory/Environmental Compliance Report June 2022
- **15.** Receive and Accept Capital Projects Report/Implementation Plan
- **16.** Receive and Accept Project Summaries Capital & Non-Capital
- 17. Receive and Accept Plant Operations Report June 2022
- **18.** Receive and Accept Maintenance Projects Report June 2022
- **19.** Receive and Accept Engineering Report June 2022

ACTION ITEMS BEFORE THE BOARD

Action Items consist of business which requires a vote by 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 and Action.

RESOLUTIONS

20. Resolution No. 2022-43; Report by Maintenance Superintendent, Chris Foley

Board Action

A motion to approve the resolution was made by Director Siegfried and seconded by Director D'Ambrosio. Following a roll call vote, the Board unanimously passed Resolution 2022-43, authorizing the General Manager to enter into a contract with Mailey Electric for electrical services in fiscal year 2022-2023 in an amount not to exceed \$120,000.

21. Resolution No. 2022-44; *Report by Superintendent Of Collections, Daryl Lauer*

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 2022-44, revising the fee for the plumbing permit/inspection fee as adopted by Ordinance No. 85-1 commencing August 1, 2022.

22. Resolution No. 2022-45; Report by Plant Superintendent Ed Waggoner

Board Action

A motion to approve the resolution as amended was made by Director Siegfried and seconded by Director D'Ambrosio. Following a roll call vote, the Board unanimously passed Resolution 2022-45, authorizing the General Manager to invite bids for Biosolids Hauling & Disposal Services.

Director Siegfried requested that resolution 2022-45 include that the transport and disposal of the sludge take title at the time the material is deposited in the contractor's receptacle and requested that this language be in the final contract.

23. Resolution No. 2022-46; Report by Superintendent Operations, Ed Waggoneer

Board Action

A motion to approve the resolution was made by Director Siegfried and seconded by President White. Following a roll call vote, the Board unanimously passed Resolution 2022-46, authorizing the General Manger to enter into a service agreement with Applied Marine Sciences for the preparation of a work plan and study of the District's effluent effects on the Carmel Bay Area of Special Biological Significance, with an amount not to Exceed \$37,290.

24. Resolution No. 2022-47; User Fee RFP -Postponed until September 2022

Board Action

A motion was made by President White and seconded by Director Siegfried to postpone circulating a Request For Proposal (RFP) for a Sewer User Fee Rate Model Study at an estimated cost of \$50,000, until additional data can be gathered. Following a roll call vote, the Board unanimously agree to the postponement.

25. Resolution No. 2022-48; Report by Plant Engineer, Patrick Treanor

Board Action

A motion to approve the resolution was made by Director Siegfried and seconded by Director D'Ambrosio. Following a roll call vote, the Board unanimously passed Resolution 2022-48, authorizing the General Manager to execute a professional services agreement with Kennedy Jenks Consultants in an amount not to exceed \$104,950 for Wastewater Treatment Plant (WWTP) Vactor Receiving Station Design-(Project #22-06)Vactor Dumping Station Design contract.

26. Resolution No. 2022-49; *Report by Principal Engineer, Rachél Lather*

Board Action

A motion to approve the resolution was made by President White and seconded by Director D'Ambrosio Following a roll call vote, the Board unanimously passed Resolution 2022-49, authorizing an Amendment No. 3 in the amount of \$126,270 For the SRT, Inc. Engineering Services Contract for the Carmel Meadows Pipeline Replacement Project #19-03 in a Not to Exceed Contract Amount of \$471,415.

27. Resolution No. 2022-50; *Report by Principal Engineer, Rachél Lather*

Board Action

A motion to approve the resolution was made by Director Siegfried and seconded by Director D'Ambrosio. Following a roll call vote, the Board unanimously passed Resolution 2022-50, authorizing the General Manager to amend a contract with MNS Engineers to complete potholing for utilities and redesign services for the Pescadero Creek Area Pipe Relocation Project #21-05 in an amount not to exceed total contract amount of \$247,339.

28. Resolution No. 2022-51; *Report by Principal Engineer, Rachél Lather*

Board Action

A motion to approve the resolution was made by President White and seconded by Director Siegfried. Following a roll call vote, the Board unanimously passed Resolution 2022-51, awarding a contract for the 2022-2023 Manhole Rehabilitation Project to the lowest qualified responsible bidder and authorizing the General Manager to sign and execute a contract for Express Sewer & Drains, Inc. in an amount not to exceed \$343,975.80.

29. Resolution No. 2022-52; Report by General Manager, Barbara Buikema

Board Action

A motion to approve the resolution was made by Director Siegfried and seconded by Director D'Ambrosio. Following a roll call vote, the Board unanimously passed Resolution 2022-52, amending the District Purchasing Policy to authorize District Engineers with purchasing authority up to \$5,000.

30. Resolution No. 2022-53; Report by General Manager, Barbara Buikema

Board Action

A motion to approve the resolution was made by President White and seconded by Director D'Ambrosio. Following a roll call vote, the Board unanimously passed Resolution 2022-53, 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 August 1 Through August 30, 2022, pursuant to the Brown Act provisions.

COMMUNICATIONS

- **31.** General Manager Report oral report
 - Staff is working on a Memorandum of Understanding (MOU) for the Carmel River Free Project and the County of Monterey would like the MOU completed by August 3rd. The General Manager stated that any fines or interest due to the County's negligence is their responsibility. The Plant Engineer is currently looking at the Plans to respond to the County.
 - A discussion regarding the ethics training would be most likely occur after the September 2022 board meeting.

OTHER ITEMS BEFORE THE BOARD

32. Annual Disclosure of Reimbursements of at least \$100 – Report by, General Manager, Barbara Buikema

A motion to approve the resolution was made by President White and seconded by Director D'Ambrosio. Following a roll call vote, the Board unanimously accepted the Reimbursement Report for fiscal year 2021-22.

- **33.** Topics for Upcoming Fall 2022 CAWD Connections *Report by, General Manager, Barbara Buikema*
 - There was discussion about generating some public relations material about the District. The discussion also included informing the public about what the District does regarding fire abatement and the projects that improve the environment. This would be done through the newsletter.

34. Bond vs. Bond Fund – *report by, General Manager, Barbara Buikema*

- There was a general discussion on the difference between a bond verses a bond fund.
- Director Siegfried wants to know why CAWD does not follow the 60/40 split on the fixed pension income practices that other state pension funds follow. Director D'Ambrosio requested that Director Siegfried bring his questions to the Pension Committee.
- The General Manager reminded the board that CAWD's Pension Plan is fully funded.

• President White requested that this topic be moved to the Committee with a consultant to be brought in after the Pension Committee meets. Wellington stated that an advisor be present when discussing this topic. The board provided a consensus on the above order of the discussion format.

INFORMATION/DISCUSSION ITEMS

- **35.** Monthly Construction Update of Project #18-01 Electrical/Mechanical Rehab and Sludge Holding Tank Replacement *Report by Plant Engineer, Patrick Treanor*
- **36.** Pacific Gas & Electric Energy Use History-Summary *Report by Plant Engineer, Patrick Treanor*
- **37.** June 24, 2022 Pebble Beach Community Service District Meeting-*Report by General Manager, Barbara Buikema*
- **38.** Special Districts Association Meeting-Report by General Manager, Barbara Buikema

39. Announcements on Subjects of Interest to the Board Made by Members of the Board or Staff

Oral reports or announcements from Board President, Directors or staff concerning their activities and/or meetings or conferences attended.

PBCSD Board Public Meeting Notice & Agenda – The next PBCSD meeting is scheduled for: *Friday, July 29, 2022, at 9:30 a.m. – Greg D'Ambrosio is scheduled to attend. Friday, August 26, 2022, at 9:30 a.m. – Cancelled.*

Special Districts Association of Monterey County – The next SDA meeting is scheduled for: *Tuesday, October 20, 2022, at 6:00 p.m. – Director Siegfried is scheduled to attend.*

Reclamation Management Committee (RMC) Meeting – The next RMC meeting is scheduled for: *Tuesday, November 15, 2022, at 9:30 a.m. Director Townsend and Director White are scheduled to attend.*

40. CLOSED SESSION: As permitted by Government Code Section 54956 et seq., the Board of Directors may adjourn to a Closed Session to consider specific matters dealing with litigation, certain personnel matters, real property negotiations, or to confer with the District's Meyers-Milias-Brown representative.

A consensus to approve the signed letter regarding Legal Counsel's Performance Evaluation was made by President White and seconded by Director D'Ambrosio. There was also a board consensus not to conduct the agendized closed session and agreed to move item B to the September board meeting.

- A. Public Employee Recognition Letter Evaluation Period July 1, 2021 to June 30,2022 Pursuant to Government Code Section 54957.6 the Board will meet in closed session to consider a Personnel Matter: Legal Counsel Performance Evaluation-Approved the signed letter
- B. Public Employee Performance Evaluation Pursuant to Government Code Section 54957.6 the Board will meet in closed session to consider a Personnel Matter: General Manager Performance Evaluation-Moved to the September board meeting

41. ADJOURNMENT

There being no further business to come before the Board, the President adjourned the meeting at 10:33 a.m. The next Regular Meeting will be held at 9:00 a.m., Thursday, August 25, 2022, or an alternate acceptable date, via teleconference webinar.

As Reported To:

Domine Barringer, Secretary to the Board

APPROVED:

Ken White, President



CARMEL AREA WASTEWATER DISTRICT SALARY & BENEFITS COMMITTEE MEETING

July 25, 2022, 11:00 a.m. Via teleconference - ZOOM

CALL TO ORDER - ROLL CALL:

The meeting was called to order at 11:00 a.m.

Present:President Ken White, Committee member
Director Michael Rachel, Committee member
Barbara Buikema, General Manager

Absent: None

Appearances/Public Comments: None

Agenda Changes: None

Agenda Items:

• Salary Classification Schedule was discussed and staff was given direction to return with additional information.

Adjournment: There being no further business to come before the Committee, the meeting concluded at 1:50 p.m. The next Regular Board Meeting will be held at 9:00 a.m., Thursday, August 25, 2022, or an alternate acceptable date via teleconference webinar. The teleconference webinar is hosted through Zoom and you may receive access by visiting our website homepage, <u>www.cawd.org</u>, calling the District office at 831-624-1248 or via email at downstream@cawd.org.

As Reported To:

Barbara Buikema, General Manager

APPROVED:

Ken White, President



CARMEL AREA WASTEWATER DISTRICT (CAWD) PENSION COMMITTEE MEETING MINUTES August 4, 2022, Thursday, 1:00 p.m.

Via teleconference webinar

CALL TO ORDER - ROLL CALL:

The meeting was called to order at 1:03 p.m.

- Present:CAWD President Pro Tem Robert Siegfried, Committee member
Barbara Buikema, General Manager
Robert Wellington, Legal Counsel
Bill Hastie, Managing Partner, Register Principal, Hastie Financial Group AIFA®, RMA®,
C(k)P®, CPFA®
Haley Hitchman, Hastie Financial Group, Partner, Financial Advisor, AIF®, CPFA
- Absent: Director Michael Rachel, Committee member

Appearances/Public Comments: None

Agenda Changes: None

AGENDA ITEMS:

The committee discussed the following agenda items:

- 1. 2nd Quarter Portfolio Review
- 2. Pen Checks Service

The committee decided to recommend that the attorney perform background checks on Pen Checks.

ADJOURNMENT: There being no further business to come before the Committee, the meeting concluded at 2:00 p.m. The next Regular Board Meeting will be held at 9:00 a.m., Thursday, August 25, 2022, or an alternate acceptable date, via teleconference webinar. The teleconference webinar is hosted through Zoom and you may receive access by visiting our website homepage, www.cawd.org, calling the District office at 831-624-1248 or via email at downstream@cawd.org.

As Reported To:

Barbara Buikema, General Manager

APPROVED:

Ken White, President



INDEPENDENT ACCOUNTANTS' REPORT

August 15, 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 July 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 did not reveal any significant differences.
- (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.



26515 CARMEL RANCHO BLVD, SUITE 100, CARMEL, CA 93923 | PHONE: 831.624.5333 | FAX: 831.626.9113 | HW-CPA.COM HAYASHI & WAYLAND ACCOUNTING & CONSULTING, LLP | LOCATIONS IN CARMEL, KING CITY, PASO ROBLES & SALINAS Carmel Area Wastewater District August 15, 2022 Page 2 of 2

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

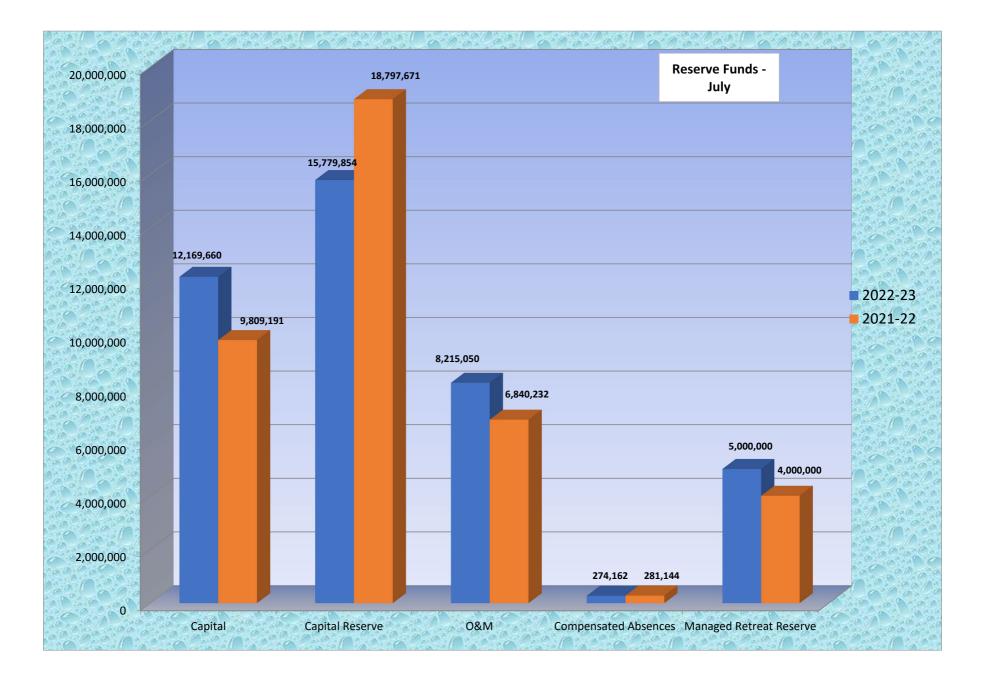
Robert Lee, ZPA Partner Hayashi Wayland

Cc: Mr. Ken White, President



Carmel Area Wastewater District Schedule of Cash Receipts and Disbursements - JULY 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	\$4,162,121	\$21,222,338	\$12,380,139	\$274,162	\$4,000,000	\$42,038,760	\$422,358	\$11,800	\$1,198,228
Receipts:									
User Fees									
Property Taxes									
PBCSD Treatment Fees							230,000		
Reclamation O & M reimbursement							86,989		
Reclamation capital billing									
Permits							6,210		
PBCSD capital billing									
Other misc. revenue							23,490		
Interest income							.,		2,244
Connection Fees									_,
CCLEAN receipts							19,346		
CRFree Project grant funds							17,540		
Sale of dump truck									
Hatton Canyon Grant Funds							30,013		
Void checks-replace lost check							30,013		
Å	0	0	0	0	0	0	206.048	0	2.244
Total Receipts	0	0	0	0	0	0	396,048	0	2,244
Fund Transfers:									
Transfers to Chase Bank O&M							(335,000)	335,000	
Transfers to Chase Bank PR		(188,269)	(411,731)				600,000		
Transfer to Defend or Managed Retreat Fund		(1,000,000)			1,000,000				
Adjust compensated accruals at year end									
Rebalance Capital and O&M Reserves	8,007,539	(4,254,215)	(3,753,324)						
Total Transfers	8,007,539	(5,442,484)	(4,165,055)	0	1,000,000	(600,000)	265,000	335,000	0
Disbursements:									
Operations and capital							704,459		
Payroll & payroll taxes							704,437	342,897	
Employee Dental reimbursements							4,652	542,077	
CALPERS EFT							52,410		
CAWD SAM pension EFT							0		
CAWD pension loans EFT							881		
Home Depot EFT							0		
US Bank EFT							4,836		
							,	0	
Deferred comp contributions EFT PEHP contributions EFT							17,820	0	
Bank/ADP fees							3,168	820	
							0	820	
Highlands Bond Debt Service Payment									
Annual County admin billing fee			34						
Negative interest adjustment from 2010			54				0.670		
Unfunded CALPERS liability				-			9,650		
Total Disbursements	0	0	34	0	0	34	797,875	343,717	0
BALANCE END OF MONTH	12,169,660	15,779,854	8,215,050	274,162	5,000,000	41,438,726	285,531	3,083	1,200,472



Date	Check	Vendor	Description	Amount
07/01/22	3162	Alliant Insurance Services	Annual Commercial Crime and Equipment Floater premiums	11,358.00
07/01/22	3163	Amazon Capital Services	Office supplies	547.26
07/01/22	3164	American Fidelity Assurance Company	Flex accounts	163.55
07/01/22	3165	AT&T Mobility	SCADA text modem	59.92
07/01/22	3166	AT&T CALNET 3	Admin alarm	31.49
07/01/22	3167	AT&T	Plant fiber router and IP card	718.97
07/01/22	3168	Beth Ingram	November to February HR services	25,925.00
07/01/22	3169	Christopher Foley	Dental	601.56
07/01/22	3170	Cintas Corporation #63D	Laundry service	394.58
07/01/22	3171	Clark Pest Control	Plant service	293.00
07/01/22	3172	Culligan Water Conditioning	C&I exchange service for the lab	17.35
07/01/22	3173	Daniel Deeth	Dental	330.00
07/01/22	3174	Denise Duffy & Associates	Annexation and Corona Road Extension Project services	7,128.55
07/01/22	3175	Edges Electrical	Electrical wire	101.40
07/01/22	3176	Equitable Financial Life Insurance	Life insurance, long-term and short-term disability premiums	2,453.75
07/01/22	3177	Exceedio	Cybersecurity assessment remediation and the annual payments for the network and SCADA Managed Services	102,588.02
07/01/22	3178	Frisch Engineering	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL \$9,985.00)	9,985.00
07/01/22	3179	Got.Net	Domain parking	4.20
07/01/22	3180	Kaeser Compressors	Service on both compressors	613.80
07/01/22	3181	Kemira Water Solution	PIX-311 bulk chemical	4,801.62
07/01/22	3182	McMaster-Carr	Operating supplies	250.61
07/01/22	3183	MNS Engineers	Upper Rancho Canada Pipe Relocation Project #19-13, Scenic Rd Pipe Bursting Project #20-08 and Pescadero Creek Area Pipe Rehab Project #21-05 (CAPITAL)	14,167.38
07/01/22	3184	Monterey County Auditor-Controller	2022-23 LAFCO admin charges	23,550.00
07/01/22	3185	Patelco Credit Union	Health savings accounts contributions	6,000.39
07/01/22	3186	Pacific Gas & Electric	Monthly service	4,725.14
07/01/22	3187	Pure Water	Monthly service	125.00
07/01/22	3188	Rachel Lather	Dental	120.00
07/01/22	3189	Sage Software	Annual renewal of fixed asset software	4,010.00
07/01/22	3190	Scarborough Lumber (ACE)	Operating supplies	54.38
07/01/22	3191	Smitty's Janitorial	Monthly service	1,445.00

Date	Check	Vendor	Description	Amount
07/01/22	3192	Solenis LLC	Praestol K 144 L-NA IBC polymer	17,587.16
07/01/22	3193	SRT Consultants	Carmel Meadows Gravity Sewer Project #19-03 (CAPITAL)	3,400.70
07/01/22	3194	Trevor Weidner-Holland	P3S conference expenses	404.53
07/01/22	3195	Univar Solutions USA Inc.	Sodium hypochlorite	3,881.34
07/01/22	3196	Universal Staffing	Admin temp service	144.00
07/01/22	3197	Vision Service Plan	Vision insurance premium	529.20
07/08/22	3198	Monterey County Assessor	Tax Code Report fee for user fee file	200.00
07/20/22	3199	Alliant Insurance Services	Annual Commercial Cyber Liability	10,479.88
07/20/22	3200	Allied Fluid Products	Operating supplies	197.46
07/20/22	3201	American Fidelity Assurance Company	Flex accounts	163.55
07/20/22	3202	American Fidelity Assurance	Employee insurance premiums	586.16
07/20/22	3203	AT&T Mobility	Cell service	673.31
07/20/22	3204	AT&T CALNET 3	Admin alarm	819.91
07/20/22	3205	AT&T	Voice routing	52.61
07/20/22	3206	Bayside Oil II	Oil and debris disposal	316.00
07/20/22	3207	Biobot Analytics	Influent sample testing	1,400.00
07/20/22	3208	Borges & Mahoney	Two motors	777.63
07/20/22	3209	Bryan Mailey Electric	Plant electrical services	6,510.00
07/20/22	3210	Cal-Am Water	Monthly service	936.30
07/20/22	3211	Carmel Print & Copy	Employee business cards	71.23
07/20/22	3212	CAWD\PBSCD Reclamation Project	Reimbursement for tertiary lab PG&E	665.45
07/20/22	3213	Christian Schmidt	Work boots	142.00
07/20/22	3214	Cintas Corporation #63D	Laundry service	806.66
07/20/22	3215	Clark Bros., Inc.	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL), Progress payment #9	91,896.84
07/20/22	3216	Coastal Fabrication Company	Install conveyor safety guard	531.67
07/20/22	3217	Coastal Paving & Excavating	Replace 30 manhole lids	48,900.00
07/20/22	3218	Cole-Parmer	Calibrate lab digital thermometer	119.40
07/20/22	3219	Comcast	Pump station internet	537.35
07/20/22	3220	Currie Engineers	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL)	20,320.90
07/20/22	3221	CWEA	Annual membership and certificate renewals	422.00
07/20/22	3222	Daniel Deeth	Dental	3,320.00
07/20/22	3223	Denise Duffy & Associates	Hatton Canyon vegetation maintenance and Corona Rd project services	8,067.35

Date	Check	Vendor	Description	Amount
07/20/22	3224	Edges Electrical	Electrical supplies	1,072.26
07/20/22	3225	Fastenal Company	Operating supplies	1,056.94
07/20/22	3226	Frisch Engineering	SCADA engineering service	450.00
07/20/22	3227	Grainger	Operating supplies	289.26
07/20/22	3228	Green Infrastructure Design	Annual ESRI ArcGIS Web GIS Portal and Web GIS Maps	10,480.00
07/20/22	3229	Harrington Industrial Plastics	Operating supplies	91.30
07/20/22	3230	Hayashi & Wayland Accounting	Bank reconciliation oversight	450.00
07/20/22	3231	ICON Cloud Solutions	Telephone service	598.11
07/20/22	3232	International Accreditation Service	ELAP pre-assessment for the lab	1,000.00
07/20/22	3233	Justifacts Credential Verification	New employee report	64.00
07/20/22	3234	Liberty Composting	Sludge hauling	6,735.39
07/20/22	3235	Mark Dias	Dental	190.00
07/20/22	3236	MBS Business Systems	Admin copier billing	1,548.44
07/20/22	3237	Mission Communications	Manhole monitoring	652.02
07/20/22	3238	MNS Engineers	Scenic Rd Pipe Bursting Project #20-08 and	39,020.81
			Pescadero Creek Area Pipe Rehab Project #21-05 (CAPITAL)	
07/20/22	3239	Monterey Bay Analytical Services	Sample analysis	480.00
07/20/22	3240	Monsido, Inc.	Annual Website and Accessibility Compliance 2k	5,150.00
07/20/22	3241	Municipal Maintenance Equipment	Vaccon service	1,566.83
07/20/22	3242	Murphy Austin Adams Schoenfeld LLP	Legal services-Monterey County option agreement-	7,000.00
			CRFREE Mitigation Pipeline Undergrounding project #19-21	
07/20/22	3243	Pacific Gas & Electric	Monthly service	40,446.26
07/20/22	3244	PSOMAS	Upper Rancho Canada Pipe Relocation Project #19-13 (CAPITAL)	1,520.00
07/20/22	3245	Quill LLC	Office supplies	588.20
07/20/22	3246	Rachel Lather	Dental	90.00
07/20/22	3247	Rincon Consultants	Upper Rancho Canada Pipe Relocation Project #19-13 (CAPITAL)	3,535.50
07/20/22	3248	SIMA Barnyard LLC	User fee refund-restaurant adjustment for last six years	57,513.14
07/20/22	3249	Streamline	Website maintenance	400.00
07/20/22	3250	t4 Spatial, LLC	Annual subscription for storage of Collections data	10,000.00
07/20/22	3251	Thermo Electron North America	Lab supplies	1,616.25
07/20/22	3252	Town & Country Gardening	Monthly service	700.00
07/20/22	3253	Univar Solutions USA Inc.	Sodium hypochlorite	3,924.62
07/20/22	3254	The UPS Store	Shipping charges for lab supplies	25.20

Date	Check	Vendor	Description	Amount
07/20/22	3255	U.S. Bank	Annual administration fees for the bonds	1,885.00
07/20/22	3256	Wastewater Solutions, Inc.	Admin garbage and Plant rolloffs	1,302.70
07/20/22	3257	Wellington & Rathie	District legal services	6,901.00
07/20/22	3258	WorkWell Medical Group	New employee reports	910.00
07/25/22	3259	Applied Marine Sciences	May Evaluating Ag. Management Practices	1,394.32
07/25/22	3260	CDCI (Crescent Diving & Contracting)	Annual Outfall and Lagoon survey	13,650.00
07/25/22	3261	Fisher Scientific	Lab supplies	177.45
07/25/22	3262	Kennedy/Jenks Consultants	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL),	3,597.50
07/25/22	3263	Public Agency Coalition Enterprise	August health insurance premium	32,742.04
07/25/22	3264	Star Sanitation LLC	Collections portable toilet rental	46.10
07/25/22	3265	Vincent Sandoval	Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL),	824.38
			OCEN approved tribal monitor	
				709,110.53

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CAWD/PBCSD Reclamation Project Disbursements Jul-22

Date	Check	Vendor	Description	Amount
07/01/22	663	Borges & Mahoney	Teflon balls and valve kits	887.16
07/01/22	664	Exceedio	Cybersecurity assessment and remediation	5,650.00
07/01/22	665	Frisch Engineering	SCADA Migration Project #21-09 (CAPITAL \$14,110.00)	14,290.00
07/01/22	666	Kaeser Compressors	Service on compressors	629.34
07/01/22	667	Pebble Beach Company	Bond principal and interest, letter of credit fees current and past and project rep costs	263,564.46
07/01/22	668	Pacific Gas & Electric	Tertiary billing	19,375.78
07/01/22	669	Teledyne Instruments	Refrigeration assembly and compressor	1,895.93
07/01/22	670	Thatcher Company of California	Sulfuric acid	9,230.93
07/20/22	671	Automationdirect.com	Fuse holders	525.82
07/20/22	672	Brenntag Pacific	Ammonium hydroxide	4,742.19
07/20/22	673	Bryan Mailey Electric	Install VFD for sand filter reject pump	1,680.00
07/20/22	674	Carmel Area Wastewater District	Reimbursement for Plant O&M	86,988.91
07/20/22	675	Cole-Parmer	Calibrate digital thermometer	119.40
07/20/22	676	Frisch Engineering	SCADA Migration Project #21-09 (CAPITAL)	36,445.00
07/20/22	677	Neo Water Treatment LLC	FX300 chemical	16,062.80
07/20/22	678	Pebble Beach Community Services District	O&M reimbursement	47,700.60
07/20/22	679	Pacific Gas & Electric	MF/RO billing	22,109.29
07/20/22	680	Stifel Nicolaus & Company	Quarterly remarketing fee	648.22
07/20/22	681	Trussell Technologies	MF/RO Ops Support project NPDES permit renewal	10,827.50
07/25/22	682	Fisher Scientific	Lab supplies	177.44
07/25/22	683	Trussell Technologies	MF/RO Ops Support project NPDES permit renewal	6,367.50
07/25/22	684	Wellington & Rathie	Legal service	152.00
				550,070.27



Financial Statements and Supplementary Schedules

July 2022

August 25, 2022

Carmel Area Wastewater District Balance Sheet

	ASSETS		
Current Assets			
Cash Cash	42,927,811.45		
TOTAL Cash Other Current Assets Other Current Assets	1,597,121.69	42,927,811.45	
TOTAL Other Current Assets	· · · · · · · · · · · · · · · · · · ·	1,597,121.69	
TOTAL Current Assets			44,524,933.14
Fixed Assets			
Land Land	308,059.76		
TOTAL Land Treatment Structures Treatment Structures	70,358,452.24	308,059.76	
TOTAL Treatment Structures Treatment Equipment Treatment Equipment	8,744,351.34	70,358,452.24	
TOTAL Treatment Equipment Collection Structures Collection Structures	1,238,843.71	8,744,351.34	
TOTAL Collection Structures Collection Equipment Collection Equipment	1,509,600.36	1,238,843.71	
TOTAL Collection Equipment Sewers Disposal Facilities Disposal Facilities	1,643,890.85	1,509,600.36 13,423,088.18	
TOTAL Disposal Facilities Other Fixed Assets Other Fixed Assets	4,515,627.21	1,643,890.85	
TOTAL Other Fixed Assets Capital Improvement Projects Capital Improvement Projects	7,742,786.83	4,515,627.21	
TOTAL Capital Improvement Projects Accumulated depreciation		7,742,786.83 (56,561,952.22)	
FOTAL Fixed Assets		·	52,922,748.26
Other Assets Other Assets		2,525,336.98	
TOTAL Other Assets		·	2,525,336.98
TOTAL ASSETS			99,973,018.38

Carmel Area Wastewater District Balance Sheet

	July 2022		
	LIABILITIES		
Current Liabilities Current Liabilities		1,264,701.97	
TOTAL Current Liabilities Long-Term Liabilities		9	1,264,701.97
Long Term Liabilities		457,369.29	
TOTAL Long-Term Liabilities			457,369.29
TOTAL LIABILITIES			1,722,071.26
	NET POSITION	00.095.100.71	
Net Assets Year-to-Date Earnings		99,085,139.71 (834,192.59)	
TOTAL NET POSITION			98,250,947.12
TOTAL LIABILITIES & NET POSITION			99,973,018.38

Carmel Area Wastewater District Budgeted Income Statement

Month-to-Date Variance, July 2022 - current month, Consolidated by account

	1 Month Ended July 31, 2022	1 Month Ended July 31, 2022 Budget	Variance Fav/ <unf></unf>	% Var
Income				
Revenue	230,340.48	164,264.93	66,075.55	40.2 %
TOTAL Income	230,340.48	164,264.93	66,075.55	40.2 %
Adjustments Discounts	5.23	0.00	5.23	
TOTAL Adjustments	5.23	0.00	5.23	
****	230,345.71	164,264.93	66,080.78	40.2 %
****** OPERATING INCOME	230,345.71	164,264.93	66,080.78	40.2 %
		101,001.95		40.2 70
Operating Expenses Salaries and Payroll Taxes				
Salaries and Payroll Taxes	414,266.08	471,315.50	57,049.42	12.1 %
TOTAL Salaries and Payroll Taxes	414,266.08	471,315.50	57,049.42	12.1 %
Employee Benefits	240 715 20	168 066 40	(24 240 00)	45 0 0/
Employee Benefits TOTAL Employee Benefits	240,715.30	165,966.40	(74,748.90)	-45.0 %
	240,715.30	165,966.40	(74,748.90)	-45.0 %
Director's Expenses Director's Expenses	2,896.00	2,835.60	(60.40)	-2.1 %
TOTAL Director's Expenses	2,896.00	2,835.60	(60.40)	-2.1 %
Truck and Auto Expenses				2.1 /0
Truck and Auto Expenses	10,142.00	17,709.92	7,567.92	42.7 %
TOTAL Truck and Auto Expenses	10,142.00	17,709.92	7,567.92	42.7 %
General and Administrative				
General and Administrative	197,801.54	198,841.67	1,040.13	0.5 %
TOTAL General and Administrative	197,801.54	198,841.67	1,040.13	0.5 %
Office Expense				
Office Expense	1,734.44	5,543.76	3,809.32	68.7 %
TOTAL Office Expense	1,734.44	5,543.76	3,809.32	68.7 %
Operating Supplies				
Operating Supplies	31,752.11	39,135.17	7,383.06	18.9 %
TOTAL Operating Supplies	31,752.11	39,135.17	7,383.06	18.9 %
Contract Services Contract Services	137,029.90	155,706.91	18,677.01	12.0 %

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MTD Variance I/S

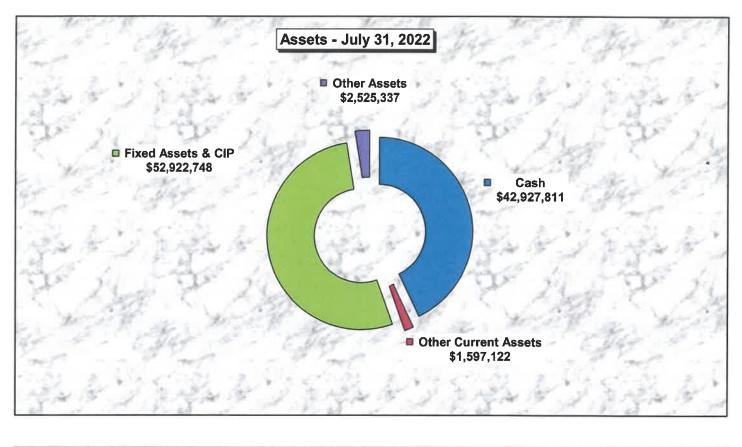
Carmel Area Wastewater District

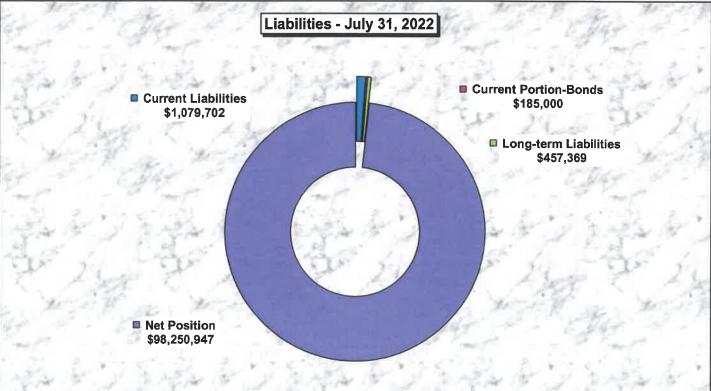
Carmel Area Wastewater District Budgeted Income Statement

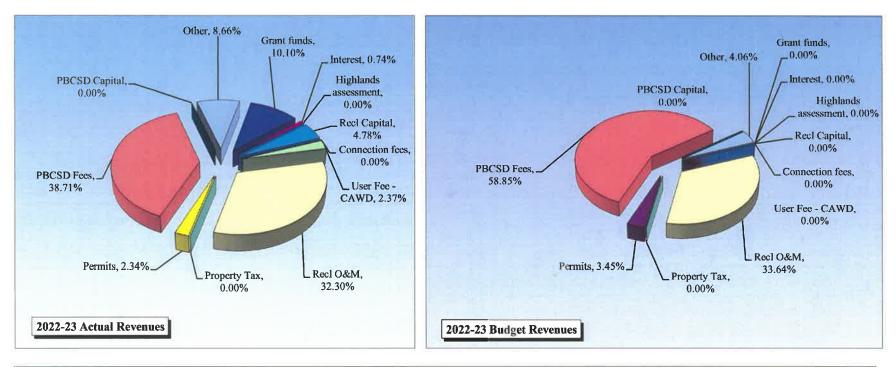
Month-to-Date Variance, July 2022 - current month, Consolidated by account

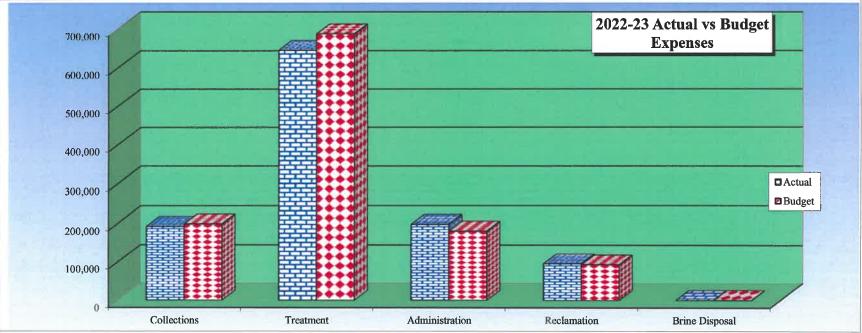
	1 Month Ended July 31, 2022	1 Month Ended July 31, 2022 Budget	Variance Fav/ <unf></unf>	% Var
TOTAL Contract Services	137,029.90	155,706.91	18,677.01	12.0 %
Repairs and Maintenance Repairs and Maintenance	23,065.23	37,692.91	14,627.68	38.8 %
TOTAL Repairs and Maintenance	23,065.23	37,692.91	14,627.68	38.8 %
Utilities Utilities TOTAL Utilities	37,573.54	31,836.17	(5,737.37)	-18.0 % -18.0 %
	57,575.54		(3,737.37)	-10.0 /0
Travel and Meetings Travel and Meetings	5,424.39	4,334.59	(1,089.80)	-25.1 %
TOTAL Travel and Meetings	5,424.39	4,334.59	(1,089.80)	-25.1 %
Permits and Fees Permits and Fees	23,550.00	23,550.00	0.00	
TOTAL Permits and Fees	23,550.00	23,550.00	0.00	
Memberships and Subscriptions Memberships and Subscriptions	2,287.00	2,679.15	392.15	14.6 %
TOTAL Memberships and Subscriptions	2,287.00	2,679.15	392.15	14.6 %
Safety Safety	452.16	2,166.66	1,714.50	79.1 %
TOTAL Safety	452.16	2,166.66	1,714.50	79.1 %
Other Expenses Other Expense	648.14	41.67	(606.47)	-1455.4 %
TOTAL Other Expenses		· · · · · · · · · · · · · · · · · · ·		-1455.4 %
TOTAL Operating Expenses	1,129,337.83	1,159,356.08	30,018.25	2.6 %
****** OPERATING INCOME (LOSS)	(898,992.12)	(995,091.15)	96,099.03	9.7 %
Non-op Income, Expense, Gain or Loss Other Income or Gain				
Other Income, Gain, Expense and Loss	64,799.53	0.00	64,799.53	
TOTAL Other Income or Gain	64,799.53	0.00	64,799.53	
TOTAL Non-op Income, Expense, Gain or Loss	64,799.53	0.00	64,799.53	
***** NET INCOME (LOSS)	(834,192.59)	(995,091.15)	160,898.56	16.2 %

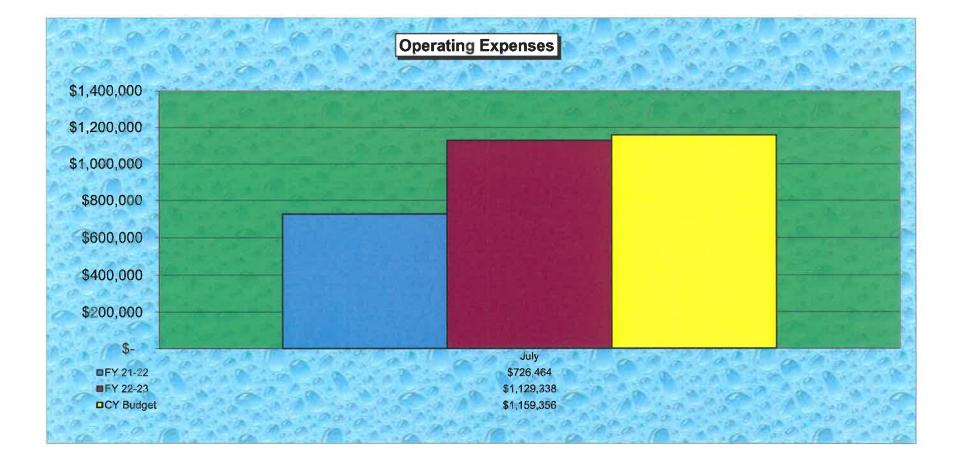
MTD Variance I/S











Carmel Area Wastewater District Capital Expenditures

20	21	1 7 2
4 0	44	-43

			CURRENT CU	MULATIVE	ANNUAL	BUDGET
	BEG BAL	JUL	YTD	TOTAL	BUDGET	SPENT
CAPITAL PURCHASES						
Admin		0	0	0	0	NA
		0	0	0	0	NA
Collections						
Jetter water pump hydraulic system-unbudgeted		11,575	11,575	11,575	0	NA
		0	0	0	0	NA
Treatment						
Eaton SVX9000 refurbished VFD for Reclamation-unbudgeted		14,208	14,208	14,208	0	NA
		0	0	0	0	NA
	<u>^</u>	(1.1.0.0.)	(1.1.000)	(1.4.000)	<u>^</u>	27.4
RECL share	0	(14,208)	(14,208)	(14,208)	0	NA
PBCSD share (1/3 of cost)	0	0	0	0	0	NA
Total Capital Purchases 22-23		11,575	11,575	11,575	0	NA

Carmel Area Wastewater District Capital Expenditures 2022-23

			CURRENT	CUMULATIVE	ANNUAL	BUDGET
	BEG BAL	JUL	YTD	TOTAL	BUDGET	SPENT
CIP PROJECTS						
Administration						
Collections						
Construction of new Gravity Sewer Line-Carmel Meadows	474,359	0	0	474,359	2,000,000	NA
Upper Rancho Canada Pipe Relocation	2,073,731	0	0	2,073,731	0	NA
Carmel Valley Manor Sewer-unbudgeted	180	0	0	180	0	NA
Scenic Rd Pipe Burst-Ocn/Bay	231,786	0	0	231,786	3,500,000	NA
Bay/Scenic Pump Station Rehab	30,892	0	0	30,892	650,000	NA
Pescadero Creek Area Pipe Rehab	89,236	0	0	89,236	100,000	NA
Treatment						
RECL share	0	0	0	0	0	NA
PBCSD share (1/3 of cost)	0	0	0	0	0	NA
Total CIP Projects 22-23	2,900,184	0	0	2,900,184	6,250,000	NA

Carmel Area Wastewater District Capital Expenditures 2022-23

			CURRENT C	UMULATIVE	ANNUAL	BUDGET
	BEG BAL	JUL	YTD	TOTAL	BUDGET	SPENT
LONG TERM CIP PROJECTS						
Treatment						
Microturbine/Gas Conditioning System	97,904	0	0	97,904	0	NA
Elec/Mech Rehab & Sludge Holding Tank Project (RECL 2.7%)	4,662,023	340,920	340,920	5,002,943	4,820,750	7.07%
Critical Process Flood Adaptations (RECL 30%)	21,788	0	0	21,788	0	NA
Aeration Basin Improvements	17,332	0	0	17,332	0	NA
Ops Building Basement Bathroom	18,749	0	0	18,749	0	NA
Potable Water & Gas Main Replacement	0	24,806	24,806	24,806	100,000	24.81%
RECL share	(132,411)	(13,637)	(13,637)	(146,048)	(130,160)	10.48%
PBCSD share (1/3 of cost)	(1,561,795)	(117,363)	(117,363)	(1,679,158)	(1,596,863)	7.35%
Total Long Term CIP Projects 22-23	3,123,590	234,726	234,726	3,358,316	3,193,727	7.35%
Total Capital (net of RECL and PBCSD)	6,023,775	246,301	246,301	6,270,076	9,443,727	2.61%

Carmel Area Wastewater District Variance Analysis

2022-23

	YTD Actual/ YTD Budget Variance	2022-23
Salaries and Payroll Taxes		
Employee Benefits	-45.00%	Worker's compensation insurance underbudgeted.
Director's Expenses		
Truck and Auto Expenses		
General and Administrative		
Office Expense		
Operating Supplies		
Contract Services		
Repairs and Maintenance		
Utilities	-18.00%	Electricity and gas - timing difference.
Travel and Meetings	-25.10%	Employee training - timing difference, small dollar amounts.
Permits and Fees		
Memberships and Subscriptions		
Safety		
Other Expense	-1455.40%	Small dollar amounts - Actual \$648, Budget \$42.

District Obligations:

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

Carmel Area Wastewater District 2022-23 Resolutions Amending the Budget

				Spent
Resolution #	Description	 Budgeted	Amendment	To Date
) <u> </u>		\$ - \$	- \$	-
No huda	t ann an dua anta ta data			

No budget amendments to date.

Total To Date

\$ - \$ - \$ -

STAFF REPORT

FROM: Daryl Lauer, Collection Superintendent

- DATE: August 25, 2022
- SUBJECT: Monthly Report July

RECOMMENDATION

Receive Report- Informational only; no action required.

Permits Issued

Sewer Later	al Permits issued in July	 22
Total Fees		 \$3,840.00

Maintenance

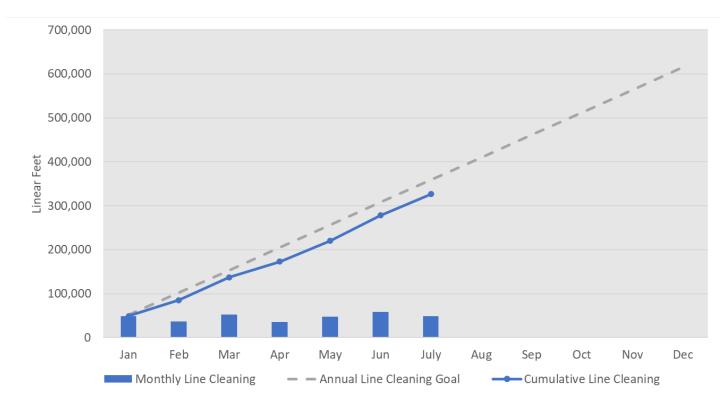
Attached is a map of the areas cleaned and Closed-Circuit Television (CCTV) inspected in past three months. There were 48,567 feet of sewer lines cleaned, there was 5,043 feet CCTV inspections during the month of July and manhole inspections have been completed.

Recent Line Cleaning Summary

Cleaning period	Footage	Percentage Cleaned	Size of Pipe Cleaned
	Cleaned		
July	48,567 ft.	11.81%	6 – 15 inches
June	57,910 ft.	14.08%	6 - 12 inches
May	47,446 ft.	11.54%	6 – 12 inches

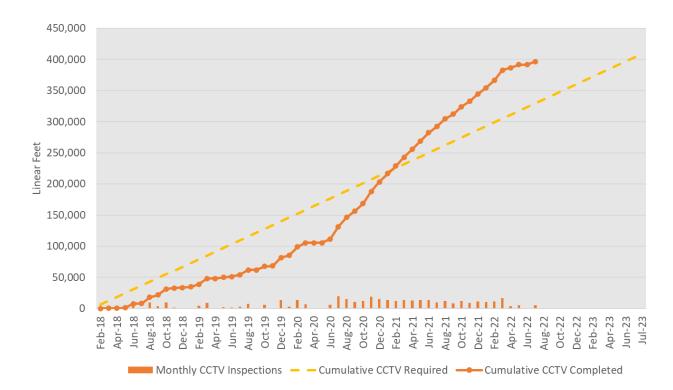


Annual Line Cleaning Graph



Line Cleaning Table

Total Target Amount (Linear Feet)	Cumulative Complete (Linear Feet)	Remaining (Linear Feet)
615,000	326,629	288,371



<u>CCTV Progress Graph (River Watch Settlement Agreement Target)</u>

CCTV Table

Total Required	Cumulative Complete	Remaining (Linear Feet)
amount (Linear Feet)	(Linear Feet)	
408,672	396,772	11,900



Manhole Inspection Progress Graph (Riverwatch Settlement Agreement Target)

Manhole Inspection Table

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

Riverwatch Update

- Staff has completed the manhole inspection part of the River Watch Settlement. The Principal Engineer will use this data to schedule rehabilitation or replacement of damaged or deteriorated manholes. Project 21-06 Manhole Rehabilitation project was awarded at the last board meeting and will get underway in the upcoming months.
- Once the CCTV inspections and Pumps Station evaluations are completed, the Principal Engineer will use the information for the final Collection System Asset Management Plan.

Staff Development

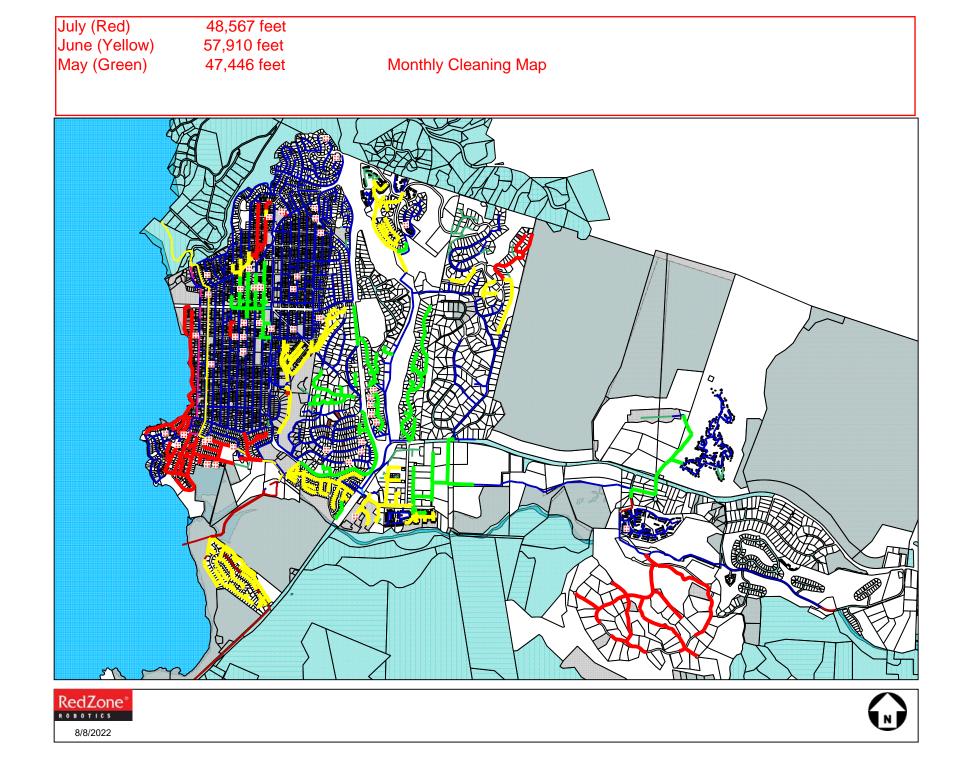
• Staff completed several in-person tail gate trainings.

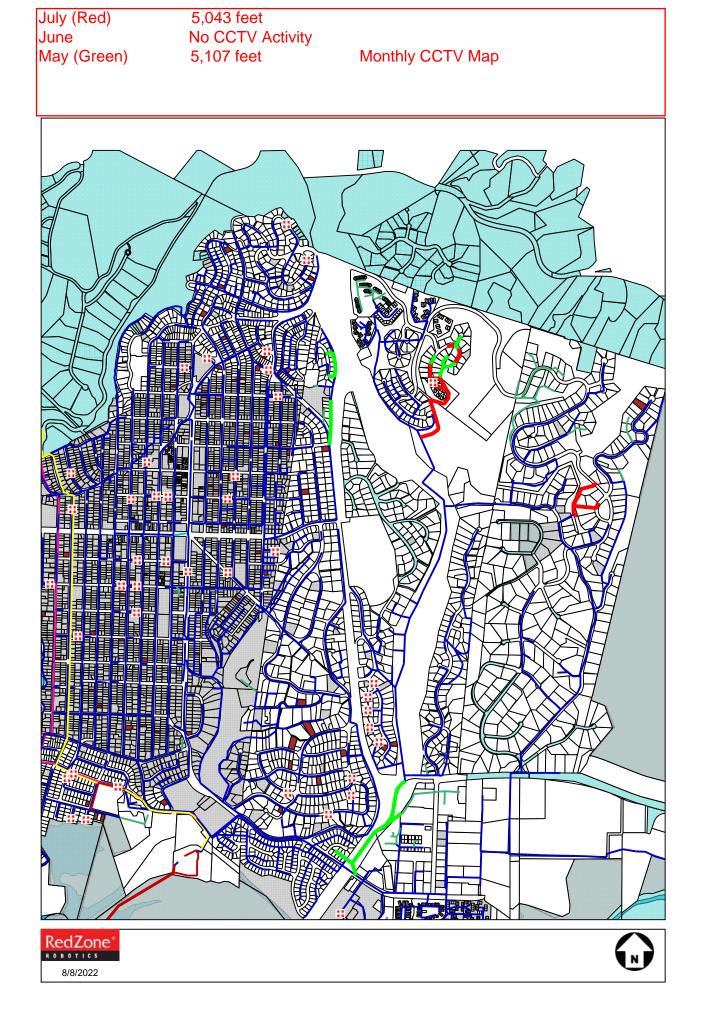
Service calls responded to by crew

Date	Time	Callout	Resolution
7/8/2022	6:28 PM	Lateral Overflow	Called by homeowner for a lateral
			overflow. Staff cleaned the District
			main line and did not encounter any
			problems in the main line. Staff
			informed owner to call a plumber of
			their choice.
7/16/2022	11:25 AM	Lateral Overflow	Called by homeowner for a lateral
			overflow. Staff cleaned the District
			main line and did not encounter any
			problems in the main line. Staff
			informed owner to call a plumber of
			their choice.
7/21/2022	5:30 AM	Power Fail	The power failure at all pump
			stations lasted 20 minutes, which
			was caused by a PG&E service
			interruption . Staff monitored all
			stations until power was restored.

USA Location Requests – 124 Plumbing permit inspections – 21 Private Sewer Lateral Compliance Certificates Issued – 20

FUNDING N/A





STAFF REPORT

To: Board of Directors

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

Date: August 25, 2022

Subject: Monthly Safety Report (for July 2022)

RECOMMENDATION

Receive Report- Informational only; no action required

DISCUSSION

Safety & Training

- July 6- Tailgate Training- New Employee Onboarding Training. S/C Admin Dias presented on training protocols for new employees. New employees need multiple types of safety and competency trainings which must be documented. A new tracking form has been developed for each position with input from the Safety Administrator and their respective supervisor. Trainings are done chronologically with goals for the first week, the first month, first quarter, etc. Because the majority of injuries to new employees occur within the first six months, staff was advised to make sure to closely observe trainees and stop them if they are not completing the work safely.
- July 13- Tailgate Training; Updated Injury Illness Prevention Program (IIPP). S/C Admin Dias gave required training on the updated IIPP. Draft updates to the program were made earlier in the year and finalized in July. An IIPP can be considered the general "umbrella" safety program for a business. It describes how the various safety programs will be implemented, how training will occur, the worker's right to a safe work environment, and where the IIPP can be found for employee review.



• July 20- Tailgate Training; Carbon Monoxide. Chris Foley, Maintenance Superintendent, gave a presentation on carbon monoxide.

While there are no ongoing sources of carbon monoxide generated at the plant or in Collections, carbon monoxide could potentially build up in an enclosed space if a back-up generator is running during an emergency. Also discussed during the training was to not place portable generators or running vehicles near manholes during a confined space entry.

• July 27- Tailgate Training; Earthquake Awareness. Patrick Treanor, Plant Engineer, presented on earthquake awareness. He noted that most of the structural engineering designs (foundations, anchoring, building frames) are driven by earthquake hazards. If there was to be a major quake on the San Andreas fault, it was possible some of the structures on site could settle. S/C Admin Dias added that a key priority after a quake would be to assess if any of the digester gas pipelines had been damaged. They contain up to 70% methane and leaking digester gas would pose an explosion hazard. Another high priority would be to inspect all the bulk chemical tanks and connections.

Ongoing Safety Improvements

During July, 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 July included:

• Update of Low-Voltage Electrical Safety Program and Training. California Occupational Safety and Health Administration requires that a program be in place to protect against electrocution while working on energized (electrified) systems. In the vast majority of cases the equipment is disconnected, locked out and tested before beginning the work. However, sometimes the equipment must remain energized during the work to test the equipment or diagnose a problem. In these cases specific protocols and training is needed. The work includes, installing, removing, using, or maintaining on any energized electrical equipment, system or tool 600 volts or less. This program shall be used in conjunction with the CAWD's Lockout/Tagout Program and shall apply to all situations that could place an employee in danger of any electrical hazard.

In addition, any work done on energized systems must be performed by a "qualified" person(s). Both maintenance mechanics took the required training and are now qualified.

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 two first aid injuries in July. The first occurred when a worker punctured the top of his finger with a box cutter while cutting away some ice-plant. The worker was advised to use the correct tool for the type of work. The second occurred when a worker cut his finger on a damaged steel bollard. The bollard had been grazed by a piece of equipment leaving a sharp barb. The worker went to brush it off with his hand not realizing the barb was still attached and was extremely sharp. The barb was ground off to prevent future injuries. In both cases the worker cleaned the wound, applied a bandage and continued to work the remainder of the day without further complications.

The employee with the Workers Comp foot injury (as reported in February's report) continued to improve and was released to full duty on July 21.

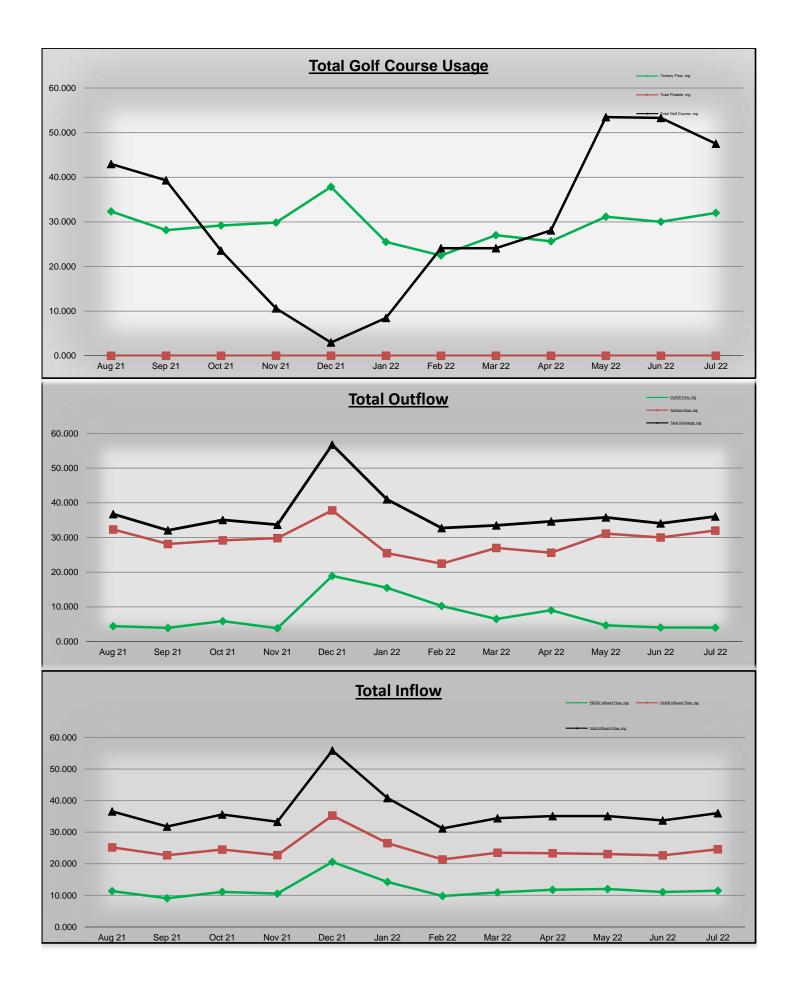
	Work	Work Related Injuries and Illnesses for 2022 Calendar Year									
ТҮРЕ	New Incidents (Month)	Incidents Incidents from Work		Total Days of Job Restriction (Year)	Cumulative days lost (Year)						
OSHA Injuries	0	1	1	116	1						
OSHA Illnesses	0	0	0	0	0						
Other WC Claims	0	0	0	0	0						
First Aid (non-OSHA)	2	2	0	0	0						

The tracking matrix below reflects data through July 31.

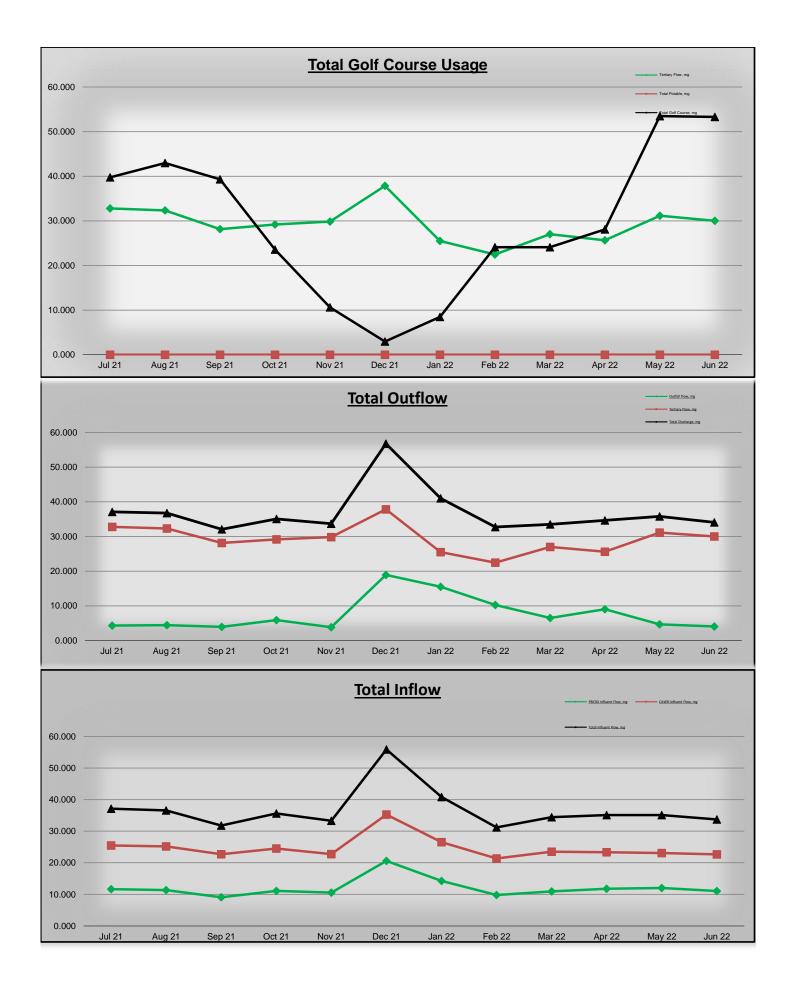
FUNDING

N/A- Informational item only

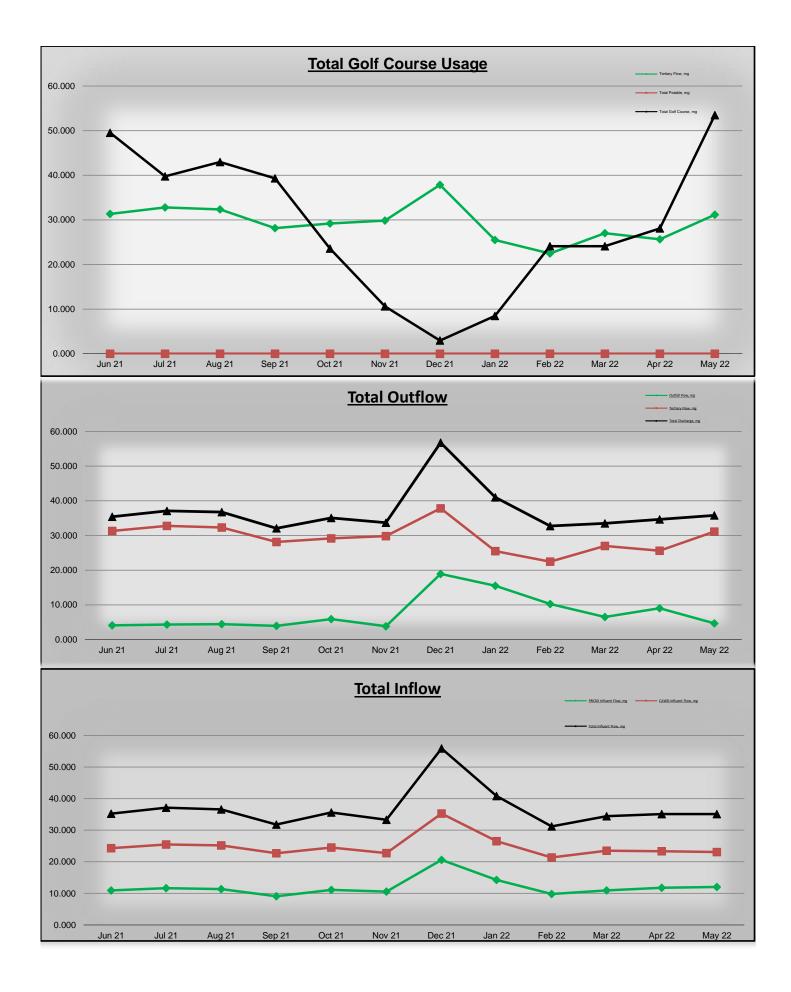
	HYDRAULIC LOADINGS 2022 YEAR-TO-DATE								
Report for: July 2022	Total Monthly, MG	Avg. Daily, MGD	Min Daily, MGD	Max Daily, MGD	% of Total	MG	acre	-feet	
CAWD Flow	24.579	0.793	0.746	0.820	68.194	165.03	50	6.23	
PBCSD Flow	11.464	0.370	0.351	0.389	31.806	81.35	249	9.54	
Total Plant Flow	36.043	1.163	1.097	1.209	100.00	246.38	75	5.77	
Tertiary Flow	32.026	1.033	0.919	1.177	88.855	193.79	594	4.45	
Ocean Discharge	4.033	0.130	0.115	0.213	11.189	53.84	16	5.14	
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.0	000	
		-	TERTIARY PI	ROCESS HIS	FORY				
Fotal Annual Reclamati	on Production	(2022)			193.79MG (5	94.45acre-ft.)			
Total Lifetime Reclamat	n (94-22)			9.09 BG (27.	90 K acre-ft.)				
L2 Month Rolling Total	roduction			351.16 MG (10)77.72 acre-ft.)				
			ELECTR						
Monthly Totals	Jul'22 kWh	Price per kWh	Jul'22	Jun'22	Ma	May'22		r'22	
Secondary	120,951.00	\$ 0.227	\$ 27,495.20	\$ 25,587.76	\$	21,534.16	\$	22,586.54	
Blowers	52,900.64	\$ 0.228	\$ 12,078.74	\$ 12,359.21	\$	10,568.58	\$	10,018.7	
CAWD Total	173,851.64		\$ 39,573.94	\$ 37,946.97	\$	32,102.74	\$	32,605.29	
Tertiary	92,222.48	\$ 0.238	\$ 21,993.08	\$ 19,375.78	\$	16,106.49	\$	15,648.90	
MF/RO (3)	N/A		N/A	\$ 22,109.29	\$	22,997.64	\$ 18,367		
Reclaim Total				\$ 41,485.07	\$	39,104.13	\$	34,016.5	
Adjusted Monthly Totals (1)	CAWD Total	\$	24,375.27	1	Reclamation To	tal	N	/A	
			kW-h P	er Acre Foo	t				
		20	21			20	22		
	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	1577.57	N/A	N/A	
Reclamation	1984.84	1939.79	1682.65	1887.92	2190.20	1984.97	N/A	N/A	
			MICROTUR						
Month	Jul '22 kW	/-h Jun	'22 Ma	iy'22	Apr'22	Ac	cumulated To		
Production,kW-h (2)	0	()	0	0		1,225,671.00		
(1) Cost adjustment	for Reclama	tion percent	age for Seco	ndary powe	r costs and C	AWD's perce	ntage for		
		e Lab's powe							



HYDRAULIC LOADINGS 2022 YEAR-TO-DATE									
Report for: June 2022	Total Monthly, MG	Avg. Daily, MGD	Min Daily, MGD	Max Daily, MGD	% of Total	MG	acre	-feet	
CAWD Flow	22.656	0.719	0.730	0.737	67.195	140.45	430).83	
PBCSD Flow	11.061	0.369	0.338	0.439	32.805	69.89	214	1.37	
Total Plant Flow	33.717	1.088	1.068	1.176	100.00	210.34	645	5.21	
Tertiary Flow	30.014	1.000	0.739	1.150	89.017	161.76	496	5.21	
Ocean Discharge	4.069	0.136	0.113	0.329	12.068	49.80	152	2.77	
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.0	000	
		-	TERTIARY PR	ROCESS HIST	ORY				
otal Annual Reclamati	on Production	(2022)			161.76MG (49	96.21acre-ft.)			
otal Lifetime Reclamat	tion Productio	n (94-22)			9.06 BG (27.8	80 K acre-ft.)			
L2 Month Rolling Total	Reclamation F	Production			351.94 MG (10	80.09 acre-ft.)			
			ELECTR	ICAL COSTS					
Monthly Totals	Jun'22 kWh	Price per kWh	Vh Jun'22 May'22 Apr'22 Mi						
Secondary	106,941.00	\$ 0.239	\$ 25,587.76	\$ 21,534.16	\$	22,586.54	\$	17,535.4	
Blowers	51,775.52	\$ 0.239	\$ 12,359.21	\$ 10,568.58	\$	10,018.75	\$	9,692.95	
CAWD Total	158,716.52		\$ 37,946.97	\$ 32,102.74	\$	32,605.29	\$ 27,228.4		
Tertiary	90,654.56	\$ 0.214	\$ 19,375.78	\$ 16,106.49	\$	15,648.90	\$ 16,666.6		
MF/RO	89,377.00	\$ 0.247	\$ 22,109.29	\$ 22,997.64	\$ 18,367.6		\$ 19,014.22		
Reclaim Total	180,031.56		\$ 41,485.07	\$ 39,104.13	\$	34,016.55	\$	35,680.8	
Adjusted Monthly Totals (1)	CAWD Total	\$	23,222.37	R	eclamation Tot	tal	\$	56,209.6	
			kW-h Pe	er Acre Foot					
		20	21			20	22		
	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	1577.57	N/A	N/A	
Reclamation	1984.84	1939.79	1682.65	1887.92	2190.20	1984.97	N/A N/A		
			MICROTUR	BINE SUMM	ARY				
	Jun '22 kV	V-h May	/'22 Ap	r'22	Mar'22	Ac	cumulated Tot	tals	
Month			0 0 24,427			1,225,671.00			



		HYDR		DINGS		2022	2 YEAR-TO-D	DATE	
Report for: May 2022	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	0.701 0.831 65.746 1		117.80	361	1.33	
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	542	1.78	
Tertiary Flow	31.153	1.005	0.466	1.168	88.778	131.75	404	4.14	
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	0.0	000	
		•	TERTIARY PR		ORY				
otal Annual Reclamati	on Production	(2022)			131.75MG (40	04.14acre-ft.)			
Total Lifetime Reclama	n (94-22)			9.03 BG (27.7	1 K acre-ft.)				
L2 Month Rolling Total	Reclamation P	Production			353.24 MG (10	84.10 acre-ft.)			
			ELECTR	ICAL COSTS					
Monthly Totals	May'22 kWh	Price per kWh	May'22	May'22 Apr'22 Mar'22 F				eb'22	
Secondary	113,931.00	\$ 0.189	\$ 21,534.16	\$ 22,586.54	\$	17,535.45	\$	15,984.7	
Blowers	55,117.36	\$ 0.192	\$ 10,568.58	\$ 10,018.75	\$	9,692.95	\$ 6,357.6		
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	\$ 14,522.0		
MF/RO	104,593.00	\$ 0.220	\$ 22,997.64	\$ 18,367.65	\$ 19,014.		\$	19,657.4	
Reclaim Total	187,788.68		\$ 39,104.13	\$ 34,016.55	\$	35,680.88	\$	34,179.5	
Adjusted Monthly Totals (1)	CAWD Total	\$	19,567.36	R	eclamation Tot	al	\$	51,639.5	
			kW-h Po	er Acre Foot					
		20					22		
	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	
				BINE SUMM					
Month Production,kW-h (2)	May '22 k\			r'22	Feb'22	Ac	cumulated Tot	tals	
	0	(0 24,427 22,570		22,570	1,225,671.00			



STAFF REPORT

To:Board of DirectorsFrom:Ray De Ocampo - Laboratory/Environmental
Compliance SupervisorDate:August 25, 2022



RECOMMENDATION

Receive Report - Informational only; No action required.

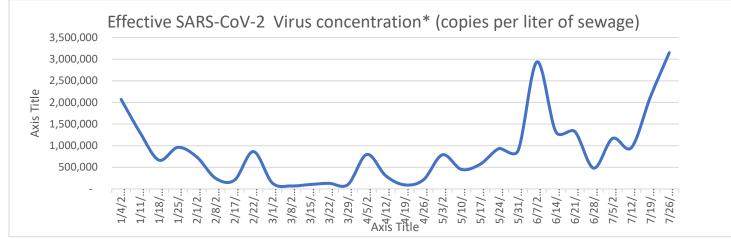
Monthly Report – July 2022

DISCUSSION:

Subject:

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: <u>Click the link to access Biobot Postings</u>:



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

• On July 14, 2022, the annual proficiency testing Proficiency Testing (PT) study Discharge Monitoring Report-Quality Assurance (DMR-QA) samples has been complete and submitted to RTC Millipore Sigma Aldrich to fulfill the California Environmental Laboratory Accreditation Program requirements.

The performance testing sample results are reviewed by RTC Millipore Sigma Aldrich staff as "acceptable or not acceptable" the performance report will be provided to CAWD staff as soon as it available.

• On July 19-20, 2022, Carmel Area Wastewater District's (CAWD's) laboratory was assessed by Mei Beth Shepherd with International Accreditation Service (IAS). The audit was part of the Environmental Laboratory Accreditation Program (ELAP) as a requirement to renew CAWD's ELAP certificate. The assessment included how CAWD's laboratory collects, analyzes, reporting results, and includes quality control and quality assurance procedures. The final report will include any deficiencies findings that the laboratory will need to correct and submit to ELAP, along with the application packet and fee. The CAWD's laboratory staff has started to make corrective action prior to the IAS report. The laboratory permit expires on December 27, 2022, and CAWD has 90 days to submit the application packet before expiration date.

ENVIRONMENTAL COMPLIANCE REPORT

- On July 27, 2022, Mr. De Ocampo with collections staff members videoed Grasings and Casanova restaurants sewer clean out lines to determine if the grease traps are retaining the fats, oils, and grease (FOG). The Six Sigma Task Force group will evaluate the videos to determine the efficiency of the systems and determine next steps. There are three remaining restaurants sewer cleanouts are to be videoed during the month of August by CAWD's Environmental Compliance staff.
- The contract for Stormwater Compliance Inspections FY 2021-2022 between CAWD and the City of Carmel-by-the-Sea ended on June 30,2022. The City of Carmel staff will be starting to do their own stormwater inspections. Carmel city staff will work with CAWD's Environmental Compliance staff to communicate the City's sewer related findings.

Restaurant Inspections

		Reason for Non-	
Restaurant	Compliant	Compliance	Comments
Grasings			Task Force reviewing videos
Casanova			Task Force reviewing videos

Grocery Store/Delicatessen Inspections

Grocery Store/Delicatessen	Compliant	Reason for Non- Compliance	Comments
NA			

Compliance Register

% Compliance	Maintenance	Mechanical
May 2022	77.8	100
June 2022	100	100
July 2022	NA	NA

Project Number	GL	Task Name	Manager	Start	Finish	Current FY Budget	Cumulative Budget	Status	2021 2022 H1 H2 H1	2 2023 2024 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	\$4,820,750	\$9,137,431	In Construction	ding Tank Replacement Pi	oject
18-28	1626.000		Treanor	7/1/19	6/30/26	\$75,000	\$130,020	Planning Stakeholder Meeting	Perimeter Tre	e Plan and Implementation
19-21	1993.000	Carmel River FREE Mitigation	Treanor	6/1/20	11/29/24	\$0	\$0	Pending Funding	Carmel River	FREE Mitigation
19-19	1634.000	Aeration Basin Improvements	Waggoner	7/1/20	6/30/22	\$0	\$17,332	On Hold	n Basin Improvements	
19-18	1593.000	Perimeter Fencing	Treanor	7/1/22	6/29/23	\$275,000	\$275,000	Design Phase	Pe	rimeter Fencing
22-03	1639.000		Treanor	5/2/22	6/28/24	\$100,000	\$300,000	In Study Phase	wwTP	Gas and Water Main Replacement
22-06		Replacement Vactor Receiving Station	Treanor	7/1/22	8/29/24	\$104,950	\$354,950	Design Phase		Vactor Receiving Station
22-04	5500.006	CAWD Bridge and Trail Project	Treanor	3/1/21	2/29/28	\$0	\$550	Funding Strategy		CAWD Bridge and Tr
		Reclamation Capital Projects								
18-26	14777	Sulfuric Acid and Citric Acid Storage and Feed Systems	Treanor	1/1/19	10/31/22	\$334,000	\$455,923	In Construction	Storage and Feed Systems	
21-09	14776	SCADA Migration	Foley	11/1/21	10/31/22	\$80,000	\$179,075	In Progress 90%	SCADA Migra	ation
21-10		Fiber Wrap PVC Pipe	Foley	4/1/22	6/30/22	\$25,000	\$25,000	Pending	Fiber Wrap PV	C Pipe
22-05		Reclamation 15-Year Asset Management Assessment	Treanor	7/1/21	6/30/23	\$300,000	\$300,000	Scoping Work With a Consultant Team	clamation 15-Year Asset I	Vanagement Assessment
		Collections Capital Projects								
19-03	1586.000	Carmel Meadows Sewer Replacement	Lather	8/1/19	1/19/23	\$2,000,000	\$2,471,949	In Design / Permitting	ows Sewer Replacement	
20-07	1636.000	Bay/Scenic Pump Station Rehabilitation	Lather	12/31/20	6/30/23	\$650,000	\$680,892	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	\$3,500,000	\$3,731,786	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	\$100,000	\$1,689,236	In Design	Pescadero Creek Are	a Pipe Relocation
20-06		Collections 15-Year CIP	Lather	7/1/20	7/1/40	\$0	\$62,899,430	Work In Progress	Collection	ons 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 Agreen	nent
21-06	6140.005	Manhole Rehabilitation	Lather	7/1/22	6/29/23	\$300,000	\$362,300	In Construction	Mant	ole Rehabilitation
		Assessment Districts/Annexations								
19-09	5500.005	2020 Sphere of Influence Amendment and Annexation Proposal	Lather	3/15/19	3/1/22	\$0	\$73,675	In process of obtaining CDP Ammendment for	and Annexation Proposal	
18-21	1631.000		Lather	8/2/18	12/2/22	\$0	\$0	annexations in coastal zone In Design / CEQA	ment District	
19-08	2505.000 1632.000		Lather	7/3/18	6/30/22	\$0	\$0	Re-Design by Property	d Pump Station	
	9095.000	Station	Lather	9/1/22	8/30/24	\$0	\$0	Owner in Progress Development Pending		September Ranch Subdivision
10-29	5055.000							In Design by Property Owner		
		Rancho Canada Subdivision	Lather	3/1/23	2/27/25	\$0	\$0	In Design by Property Owner		Rancho Canada Subdivisio
		Other Non-Capital Projects								
		Workforce Now	Foley			\$0	\$0	Implementation		

Project	GL	Task Name	Manager	Start	Finish	Current FY	Cumulative	Status	2021	202	22	2023		2024	ł
Number						Budget	Budget		H1 H2	H1	H2	H1	H2 H	H1	H2
		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	\$260,000	\$1,400,000	In Progress		Ĺ	ong Tern	n SLR Pla	nning		

Treatment Plant Capital Project Summaries



Photo: New Sludge Tank Under Construction

Project Nu	mber:	18-01			
Project Na	me:		Treatment Plant		
		(WWTP) – Elec/Mech Rehab &			
		Sludge Holding Tank Replacement			
		Project			
Project Loc		Wastewater	Treatment Plant		
Project Ma	nager:	Treanor			
Status:		In Construct			
Project			is a multi-area project		
Description:			P aimed at mitigating		
			e in the Influent Pump		
		-	dworks, 3W/Chlorine		
		-	lding, Effluent Building		
		-	Storage Tank. Most of		
			olves replacing aged		
		electrical and mechanical			
			n existing buildings.		
	Department:		I		
Financial:		tive Budget:	Cumulative Spent:		
	\$9,137,	431	\$5,002,943		
	FY Budg	get:	FY Spent:		
	\$4,820,	750	\$340,920		
Reclamatic Share:	on	Estimated at 2.7% of project cost.			
Other Entit	ies:	Pebble Beach Community Services			
		District, CAWD/PBCSD Reclamation			
		Project			
Permits Re	quired:	Coastal Com	mission Notification		
Challenges	:	Electrical Cu	tover Coordination;		
		Steel tank vs	concrete design to		
		code			
Schedule:		Construe	ction anticipated for		
		FY21/22	into FY22/23		
Consultant	s:	Design: Kenr	nedy/Jenks Consultants		
		-	Management: Currie		
			Engineers		
Contractor	:	Clark Bros. II	าс.		
50111 40101	•				



Photo: Eucalyptus trees on South Side of Treatment Plant

.		40.00				
Project Nu		18-28				
Project Na	me:	Perimeter Tr				
		Implementa				
Project Loc	ation:	Wastewater Treatment Plant				
Project Ma	nager:	Treanor				
Status:		Planning Sta	keholder Meeting			
Project		Planning and	l landscaping around			
Description	n:	the treatmer	nt plant. This will			
		include looki	ng into possibly			
		replacing the	e non-native eucalyptus			
		trees around	I the perimeter of the			
		treatment pl	ant with native tree			
		species. The	project will start with a			
		study and a p	plan to determine			
		costs, seque	ncing 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.				
Departmer		Treatment				
Financial:	Cumula	tive Budget:	Cumulative Spent:			
	\$130,02	20	\$5,020			
	FY Budg		FY Spent:			
	\$75,000)	\$0			
Reclamatio	on:	N/A				
Other Entit	ties:	N/A				
Permits Re	quired:	Currently un	known (In Study Phase)			
Challenges	:	Time it will t	ake for new trees to			
		grow up that	t will fully screen			
			ant from view			
Schedule:		Study me	oved to 2022;			
		anticipat	e completion 06-30-26			
Consultant	:s:	Scott Hall La	ndscape Design			
Contractor	•	TBD				
L		1				

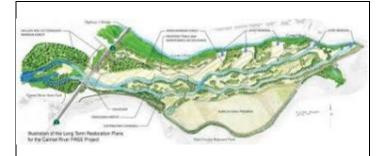


Photo: Carmel River Floodplain Restoration and Environmental Enhancement (CRFREE) **Project Number:** 19-21 **Project Name: Carmel River Floodplain Restoration & Environmental Enhancement (CRFREE) Mitigation Project Location:** Carmel River Lagoon **Project Manager:** Treanor **Pending Funding** Status: Project The CRFREE Project intends to **Description:** 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:** Cumulative Spent: Coastal \$618,569 **Conservancy Grant** Budget: FY Spent: \$750,000 \$0 ** Project is being funded by CRFREE initiated grants Reclamation N/A Share: **Other Entities: Monterey County** Permits Coastal Commission, CA Fish and **Required:** Wildlife, Army Corp of Engineers, **Reginal Water Quality Control** Board (RWQCB) **Challenges:** Construction near environmentally sensitive habitat and obtaining new easement from State Parks Schedule: Construction anticipated in ٠ 2024 **Consultants:** Design: Kennedy Jenks and Staheli Trenchless **CEQA:** Johnson Marigot **Contractor:** TBD



		senig un uŋju	,				
Project Nur	nber:	19-19					
Project Name:		WWTP – Ae	eration Basin				
-		Improveme	nts				
Project Location:		Wastewate	r Treatment Plant				
Project Manager:		Waggoner					
Status:		On Hold					
Project Description:			n Basins 4A & 4B need				
		to have add	itional diffusers				
			ensure the proper air				
			insfer into the				
			to support the				
			roorganisms in the				
		basins.					
Departmen	1	Treatment					
		ive Budget:	Cumulative Spent:				
\$17,332			\$17,332				
	FY Budge	et:	FY Spent:				
	\$0		\$0				
Reclamatio	n Share:	N/A					
Other Entiti	ies:	N/A					
Permits Rec	quired:	N/A					
Challenges:		Weather conditions and					
-		Scheduling					
Schedule:		Design is complete					
		Materia	ls ordered and				
		received	b				
		 Constru 2022 	ction anticipated for				
Consultants	5:	N/A					
Contractor:		N/A					



Photo: Existing Dilapidated Fence

Project Nun	nber:	19-18				
Project Nan	ne:	Perimeter F	encing			
Project Loca	ation:	Wastewate	r Treatment Plant			
Project Manager:		Treanor				
Status:		Design Phas	se			
Project Description:		Install a new fence around the perimeter of the WWTP.				
Department:		Treatment				
Financial:	Cumulat \$275,000	ive Budget:)	Cumulative Spent: \$0			
	FY Budge	et:	FY Spent:			
	\$275,000)	\$0			
Reclamation Share:		N/A				
Other Entiti	es:	N/A				
Permits Required:		California Environmental Quality Act (CEQA) Mitigated Negative Declaration (MND), Coastal Developmental Permit (CDP) Notification				
Challenges:		Environmental Mitigations				
Schedule:		Design in FY22-23Construction in FY23-24				
Consultants	:	Kennedy Je	nks			
Contractor:		TBD				



Photo: Gas Meter on North Side of River

Project Number:22-03Project Name:WWTP Gas and Water Main ReplacementProject Location:Wastewater Treatment PlantProject Manager:TreanorStatus:In Study PhaseProject Description:The WWTP natural gas and wate utility service exists on the opposite side of the Carmel Rive from the WWTP. CAWD owns th 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
ReplacementProject Location:Wastewater Treatment PlantProject Manager:TreanorStatus:In Study PhaseProject Description:The WWTP natural gas and wate utility service exists on the opposite side of the Carmel Rive from the WWTP. CAWD owns th 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
Project Location:Wastewater Treatment PlantProject Manager:TreanorStatus:In Study PhaseProject Description:The WWTP natural gas and wate utility service exists on the opposite side of the Carmel Rive from the WWTP. CAWD owns th 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
Project Manager:TreanorStatus:In Study PhaseProject Description:The WWTP natural gas and wate utility service exists on the opposite side of the Carmel Rive from the WWTP. CAWD owns th 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
Status:In Study PhaseProject Description:The WWTP natural gas and wate utility service exists on the opposite side of the Carmel Rive from the WWTP. CAWD owns th 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
Project Description:The WWTP natural gas and wate utility service exists on the opposite side of the Carmel Rive from the WWTP. CAWD owns th 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
utility service exists on the opposite side of the Carmel Rive from the WWTP. CAWD owns th 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
opposite side of the Carmel Rive from the WWTP. CAWD owns th 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
from the WWTP. CAWD owns th 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
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
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
line are PVC and identified as having a high risk of failure. The gas line is needed for plant operations to provide
having a high risk of failure. The gas line is needed for plant operations to provide
gas line is needed for plant operations to provide
operations to provide
supplementary heating to the
digesters for thermophilic
digestion.
Department: Treatment
Financial:Cumulative Budget:Cumulative Spent:
\$300,000 \$24,806
FY Budget: FY Spent:
\$100,000 \$24,806
Reclamation Share: N/A
Other Entities: Cost Share w/ Collections @ 5.59
Permits Required: TBD
Challenges: Underground work in riparian
area
area Schedule: • Currently undergoing
Schedule: • Currently undergoing
Schedule: • Currently undergoing alternatives analysis study
Schedule:• Currently undergoing alternatives analysis study • Design in FY22-23



Photo: Conceptual Rendering of Public Use and Bridge

Τ

Project Name: 22-04 Project Location: Wastewater Treatment Plant Project Location: Treanor Status: Funding Strategy 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: \$550 FY Budget: \$550 \$0 FY Spent: \$50 \$0 FY Spent: \$50 \$0 State Parks, Catholic Diocese, City of Carmel-by-the-Sea, Regional Parks District Permits Required: TBD Challenges: Bab Parks District Permits Required: TBD Consultants: TBD								
Project Location: Wastewater Treatment Plant Project Manager: Treanor Status: Funding Strategy 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: \$550 FY Budget: \$550 FY Budget: \$550 FY Budget: \$0 \$0 \$0 **No budget. Funding potential via Carmel River Settlement grants. State Parks, Catholic Diocese, City of Carmel-by-the-Sea, Regional Parks District Permits Required: TBD TBD Challenges: Pending an application for grant funding. Consultants: TBD	Project Nun	nber:	22-04					
Project Manager: Treanor Status: Funding Strategy 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: \$550 \$550 \$550 \$550 FY Budget: \$550 \$550 \$550 \$550 \$550 **No budget. Funding potential via Carmel River Settlement grants. State Parks, Catholic Diocese, City of Carmel-by-the-Sea, Regional Parks District Permits Required: TBD TBD Challenges: Underground work in riparian area Schedule: Pending an application for grant funding. Consultants: TBD	Project Name:		CAWD Bridge and Trail Project					
Status: Funding Strategy 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: Status \$0 FY Budget: \$550 FY Budget: FY Spent: \$0 \$0 FY Spent: \$0 **No budget. Funding potential via Carmel River Settlement grants. N/A Other Entities: N/A State Parks, Catholic Diocese, City of Carmel-by-the-Sea, Regional Parks District Permits Required: TBD TBD Challenges: Underground work in riparian area Schedule: Pending an application for grant funding. Consultants: TBD	Project Location:		Wastewate	r Treatment Plant				
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: \$550 \$550 FY Budget: \$550 FY Budget: \$550 \$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	Project Mar	nager:	Treanor					
Iccation 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:TreatmentFinancial:Cumulative Budget: \$550Cumulative Spent: \$550FY Budget: \$0FY Spent: \$0**No budget. Funding potential via Carmel River Settlement grants.N/AOther Entities:State Parks, Catholic Diocese, City of Carmel-by-the-Sea, Regional Parks DistrictPermits Required:TBDChallenges:Underground work in riparian areaSchedule:Pending an application for grant funding.Consultants:TBD	Status:		Funding Stra	ategy				
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Other Entities:State Parks, Catholic Diocese, City of Carmel-by-the-Sea, Regional Parks DistrictPermits Required:TBDChallenges:Underground work in riparian areaSchedule:Pending an application for grant funding.Consultants:TBD								
of Carmel-by-the-Sea, Regional Parks DistrictPermits Required:TBDChallenges:Underground work in riparian areaSchedule:Pending an application for grant funding.Consultants:TBD	Reclamation	n Share:						
Parks District Permits Required: TBD Challenges: Underground work in riparian area Schedule: Pending an application for grant funding. Consultants: TBD	Other Entiti	es:	State Parks,	Catholic Diocese, City				
Permits Required:TBDChallenges:Underground work in riparian areaSchedule:Pending an application for grant funding.Consultants:TBD								
Challenges: Underground work in riparian area Schedule: Pending an application for grant funding. Consultants: TBD			Parks District					
area Schedule: Pending an application for grant funding. Consultants: TBD	Permits Rec	uired:	TBD					
Schedule:Pending an application for grant funding.Consultants:TBD	Challenges:		Underground work in riparian					
funding. Consultants: TBD			area					
Consultants: TBD	Schedule:							
			funding.					
Contractor: TBD	Consultants	:	TBD					
	Contractor:		TBD					



Photo: CAWD Vactor Truck

Project Number	:	22-06			
Project Name:		Vactor	Receiving Station		
Project Location	:	Wastew	ater Treatment Plant		
Project Manager:		Treanor	-		
Status:		Design I	Phase		
Project Description:		Constru	ct a new Vactor		
		Receivir	ng Station for Collections		
		Dept dis	sposal of waste collected		
		in the v	actor truck.		
Department:		Treatme	ent		
Financial: Cumu		ılative	Cumulative Spent:		
	Budge		\$0		
	\$354,	950			
	FY Bu	dget:	FY Spent:		
	\$104,	950	\$0		
Reclamation Sha	are:	N/A			
Other Entities:		N/A			
Permits Require	d:	Coastal Developmental Permit			
		(CDP) Notification			
Challenges:		Design for ultimate user			
		satisfac	tion.		
Schedule:		Construction in FY23/24			
Consultants:		Kenned	y Jenks		
Contractor:		TBD			

Reclamation Capital Project Summaries



Photo: Existing totes used for Sulfuric Acid storage and Feed

		Feed				
Project Nu	Project Number:					
Project Name:		Sulfuric Acid	& Citric Acid Storage			
		& Feed Syst	ems Project			
Project Location:		Reclamation	– Microfiltration			
		(MF)/Revers	se Osmosis (RO)			
Project Ma	nager:	Treanor				
Status:		In Construct	ion			
Project		Code compl	iance upgrades for			
Description	Description:		chemical storage and			
		feed system used by Reclamation				
		for enhancing RO recovery. Project				
		includes code compliant secondary				
			containment and separation of			
		dissimilar chemicals.				
Departmen	nt:	Treatment				
Financial:	Cumulat	tive Budget:	Cumulative Spent:			
	\$455,92	3	\$125,468			
	FY Budg	et:	FY Spent:			
	\$334,00	0	\$0			
Reclamatio	on	100%				
Share:						
Other Entit	Other Entities:		Reclamation Project			
Permits Required:		Coastal Commission Notification				
Challenges	:	Hazardous C	Chemical Safety			
Schedule:		Construction	n 2021/2022			
Consultant	s:	Trussell Tecl	nnologies, Inc			
Contractor	•	Monterey P	eninsula Engineering			

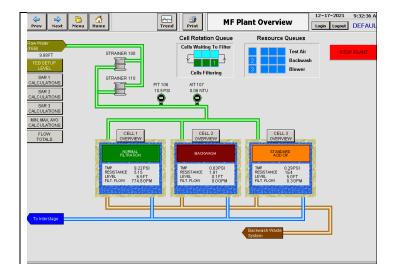


Photo: Microfiltration SCADA Overview

Project Num	ber:	21-09				
Project Nam	e:	Reclamation Supervisory				
		Contr	ol and Data Acquisition			
		(SCAD	A) Migration Project			
Project Loca	tion:	Reclar	mation Plant			
Project Man	ager:	Foley				
Status:		In Pro	gress 90%			
Project Desc	ription:	Migra	tion of reclamation			
		legacy	/ from RSView32 SCADA			
			ns, alarms and trending			
		-	ition 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				
	Cumulative Bu	dget:	Cumulative Spent:			
\$	5179,075		\$152,428			
	Y Budget:		FY Spent:			
	80,000		\$0			
Reclamation		100%				
Other Entitie	es:	Reclar	mation Project			
Permits Req	uired:	None	-			
Challenges:		Struct	ure of old Programming			
Schedule:		Work	started in December			
		2021				
Consultants:	:	Frisch	Engineering			

Collections Capital Project Summaries



Photo: View gravity pipe in Carmel easement

Project Nu	mber:	19-03			
Project Name:		Carmel Meadows Sewer			
		Replacemen	t		
Project Loc	ation:	Collection Sy	stem		
Project Manager:		Lather			
Status:		In Design / P	ermitting		
Project		The project v	vill replace 1,300 feet		
Description	า:	of Ductile Iro	on Pipe (DIP) on an		
•		aerial span a	nd eight manholes by		
		constructing	a small pump station		
		at the end of	Mariposa Drive. This		
		project is loc	ated on an easement		
		parallel to Ribera Road and was			
		originally installed in the early			
		1960's. Collections			
Departmer	Department:				
Financial:	Cumula	tive Budget:	Cumulative Spent:		
	\$2,471,	949	\$474,359		
	FY Budg	•	FY Spent:		
	\$2,000,		\$0		
Permits Re	quired:	Coastal Perm	nit and Environmental		
		Review			
Challenges	:	Redirecting the sewer to the pump			
		station without requiring booster			
		pumps for individual houses.			
Schedule:		U U	nvironmental Review		
		completed b			
			to begin FY22/23.		
Consultant	s:	SRT Consulta	ints, WRA		
		Environment	al		
Contractor	:	TBD			



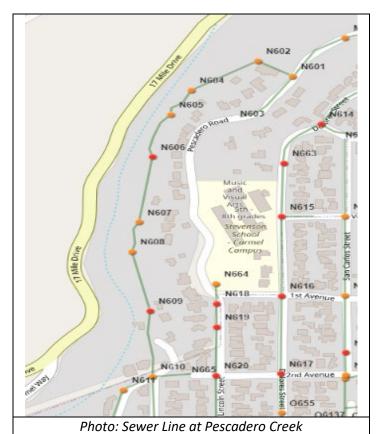
Photo: Looking at Pump Station Exterior

Project Nu	mber:	20-07				
Project Na	me:	Bay/Sceni	c Pump Station			
		Rehabilita	tion			
Project Lo	cation:	Collection	System			
Project Ma	anager:	Lather				
Status:		In Design				
Project De	scription:	Remodel the interior of the				
		pump stat	ion and update the			
		SCADA panel to minimize areas				
		prone to flooding.				
Department:		Collections				
Financial:	Cumulative	Budget:	Cumulative Spent:			
	\$680 <i>,</i> 892		\$30,892			
	FY Budget:		FY Spent:			
	\$650,000		\$0			
Reclamation	on Share:	0%				
Other Enti	ties:	Carmel-by	-the-Sea, Coastal			
		Commission				
Permits Re	equired:	Exemptions from CEQA &				
		Coastal Commission				
Challenges	5:	Traffic Control				
Schedule:		Design 202	21, Construct 2022,			
		completed	by 06-23			
Consultan	ts:	SRT				
Contractor	r:	Pending				



Photo: Pipe Bursting Limits on Scenic

Project Nu	mber:	20-08				
Project Na	me:	Scenic Rd Pipe Bursting -				
		Ocean to Bay				
Project Lo	cation:	Collection System				
Project Ma	anager:	Lather				
Status:		In Design / CEQA				
Project De	scription:	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.				
Departme		Collections				
Financial:	Cumulative Budget:					
	\$3,731,786	\$231,786				
	FY Budget:	FY Spent:				
	\$3,500,000	\$0				
Reclamatio		0%				
Other Enti	ties:	Carmel-by-the-Sea,				
		Coastal				
		Commission				
Permits Re	equired:	CEQA & Coastal				
		Commission permit				
		required.				
Challenges	5:	Traffic control & poorly				
		mapped underground				
		utilities. Cultural				
		Resources at southern				
		end of project.				
Schedule:		Design 2021-2022,				
		Construct 2023,				
		Completed 06-23				
Consultant	ts:	MNS, Rincon				
Contractor		Pending				



Project Nu	mber:	21-05				
Project Name:		Pescadero Creek Area Pipe				
		Relocation				
Project Loc	ation:	Collec	tion System			
Project Manager: Lather		r				
Status: In Design		ign				
Project Des	scription:	Reloca	ate damaged pipe from			
		creek slope to roadway				
Departmer	nt:	Collections				
Financial:	Cumulative Bu	ıdget:	Cumulative Spent:			
0&M	\$1,689,236		\$89,236			
	FY Budget:		FY Spent:			
	\$100,000		\$0			
Reclamation Share:		0%				
Other Entit	ties:	N/A				
Permits Required:		Environmental Review				
Challenges	:	Narro	w road, depth of			
		manhole, houses to be				
		placed on individual pumps				
Schedule:		Start design, public outreach,				
		& Environmental in Winter				
		2022/	23.			
Consultant	s:	MNS,	Denise Duffy			
Contractor	•	TBD				

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Project Number:		20-(06									
Project Name:		Coll		ion	s 15	-Ye	ear					
Project Location:		Coll						•				
Project Manager:		Latł										
Status:	W		Work in Progress									
Project				•	late							
Description:		inspection information and flow										
		modeling to develop a 20-year										
		Construction Improvement Plan										
		Con	istri	ucti	on l	mp	rov	em	ent	Plar	า	
Department:												
Projection of	Сс	onstr	uct	ion	Administration							
Total Capital	Costs: \$63M			Costs: \$10M (20%								
•		313. 202101										
Costs-15-Yr						engineering, legal,						
\$63M						admin.)						
-						/						
Financial:		ımul		-		Cumulative Spent:						
	15	5YR E	Bud	get:								
				-		N/A						
		ST \$6				+ ·						
	FY	' Bud	lget	t:		FY Spent:						
			-				/Δ					
De ale anatt	N/A			N/A								
Reclamation												
Share:		0%										
Other Entities:		Rive	er V	Vato	ch-se	ee p	oroj	ect	#20	0-05	;	
Permits Required	:	none										
Challenges:				-	peli					lts t	o b	
- 0		completed to develop plan.							lan.			
		2020 - 2040										
Schedule:					0							
		202 We			0							

Collections Non-Capital Project Summaries

California River Watch				
	r n	oto: River Watc	niogo	
Project Nun	nber:	20-05		
Project Nan	ne:	River Watch A	Agreement	
Project Loca	ation:	Collection Sys	tem	
Project Mai	nager:	Lather		
Status:		Work in Progr	ess	
Project		Work with Co	llections to provide	
Description	:	data that is ne	eeded 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.		
Departmen	t:	Collections		
Financial:		ative Budget:	Cumulative Spent: N/A FY Spent: N/A	
Reclamatio	-	0%	· ·	
Share:				
Other Entit	ies:	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	Consultants:			
Contractor:		N/A		

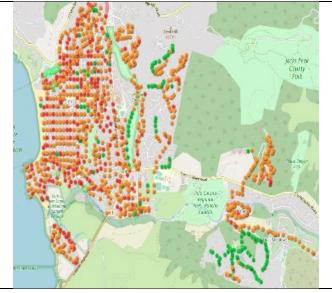


Photo: Manhole Inspection Map

Project Number:		21-06	
Project Na	me:	Manho	le Rehabilitation
Project Loc	ation:	Collect	ion System
Project Ma	nager:	Lather	
Status:		In Cons	struction
Project Des	scription:	Line M	anholes with a
		solvent	t-free rigid
		polyure	ethane material that
		seals su	urface and provides
		structural integrity & to	
		prevent inflow/infiltration	
Departmer	nt:	Collections	
Financial:	Cumulative Buc	lget:	Cumulative Spent:
0&M	\$362,300		\$0
	FY Budget:		FY Spent:
	\$362,300		\$0
Reclamatio	on Share:	0%	
Other Entit	ies:	N/A	
Permits Required:		none	
Challenges:		Traffic control	
Schedule:		Complete by 06-23	
Consultants:		none	
Contractor	:	TBD	

Assessment Districts/Annexations

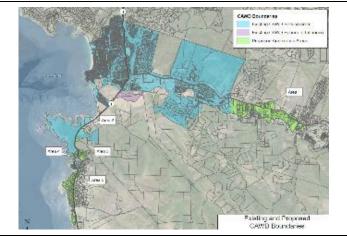
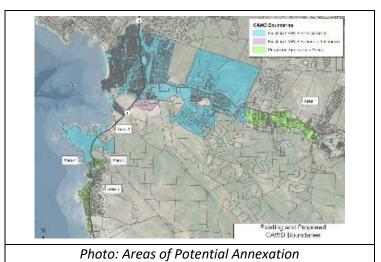


Photo: Areas of Potential Annexation

Project Number:		19-09		
Project Name:		2021 Sphere of Influence (SOI)		
		Amendment	& Annexation	
		Proposal		
Project Loo	ation:	Collection Sys	tem	
Project Ma	nager:	Lather		
Status:		In process of	obtaining Coastal	
		Development	Permit Amendment	
		for annexatio	ns in Coastal Zone	
Project		The project w	ill provide access for	
Description	n:	homes and bu	isinesses currently on	
		septic systems and add 350 new		
		connections to the District at build-		
		out.		
		Collections		
	Department:		Collections	
Financial:		ative Budget:	Cumulative Spent:	
	\$73,67		\$73,675	
	FY Bud	get:	FY Spent:	
	\$0		\$0	
	-		ation b/c costs will be	
	hrough	annexation fees.		
Permits		Environmental Review, Local Agency		
Required:		Formation Commission (LAFCO)		
		Annexation Approval		
Challenges:				
Schedule:		Waiting for State Board of		
		Equalization		
Consultant	:	Denise Duffy & Associates		



Project Number:		18-21		
Project Name:		Corona Road Sewer Assessment District		
Project Loc	ation:	Collection Sys	tem	
Project Ma	nager:	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**)		
Departmer	nt:	Collections		
Financial:	Cumul \$0	ative Budget:	Cumulative Spent: \$0	
	FY Bud \$0	get:	FY Spent: \$0	
** No Budget inclu were funded by Co			because the initial costs dents.	
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		

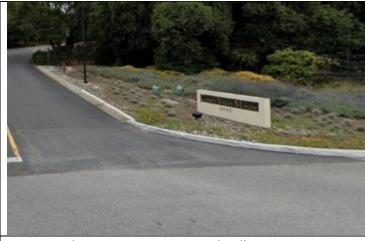


Photo: Entrance to Carmel Valley Manor

Project Number:	19-08		
Project Name:	Carmel Valley Manor Pipeline an		
	Pump Station		
Project Location:	Collection System		
Project Manager:	Lather		
Status:	Re-Design by Prop	perty Owner in	
	Progress		
Project	Sewer extension p		
Description:	• •	owners of Carmel	
	•	onnect to CAWD's	
	sewer system. Rile	•	
	Carmel Valley Ma	nor (Deferred	
	Revenue)		
Department:	Collections		
Financial: this is an	Cumulative	Cumulative	
unbudgeted item-	Budget:	Spent:	
under repayment	\$0	\$180	
agreement (no	FY Budget:	FY Spent:	
funds received)	\$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 Re		
Challenges:	Funding, Repayment Agreement,		
	easement agreem	ients LAFCO	
	annexation		
Schedule:	Approved without protest at		
Concultorator	3/22/21 LAFCO hearing.		
Consultants:	MNS and Rincon are working for Carmel Valley Manor to permit and		
Contractor	design the project		
Contractor:	N/A		

Other Non-Capital Project Summaries



ADP Workforce Now

Photo: ADD Clin Art				
Ducie et No.		Photo: ADP Clip Art		
Project Number:		N/A		
Project Nan		Workforce N		
Project Loca	ation:	All Superviso	or Locations	
Project Mar	nager:	Foley		
Status:		Implementa	tion	
Project		Implementa	tion of a	
Description	:	comprehens	ive Human Resource	
		(HR) softwar	re database for all	
		supervisors and employees to		
		utilize. Modules provide employee		
		development tracking, benefits		
		administration, custom		
		performance review templates, and		
		employee goal management.		
Departmen	t:	Administration		
Financial:	Cumula	tive Budget:	Cumulative Spent:	
	\$0		\$2,520 (annual fee)	
	FY Budget:		FY Spent:	
\$0			\$2,520 (annual fee)	
Challenges:		Technical issues need to be		
		resolved & employee training		
Schedule:		Anticipate implementation in the		
		Fall 2022 – scouting vendors		
Consultants	5:	ADP		



Photo: Real Estate Clip Art			
Project Nur	nber:	N/A	
Project Nar	ne:	Real Propert	y Investigation
Project Loc	ation:	Carmel Valle	y
Project Ma	nager:	Barbara Buik	ema
Status:		Evaluation in	Progress
Project		An investigat	ion of a possible new
Description	n:	treatment fa	cility site in the mouth
		of the Carme	l Valley, which is in
		response to the Coastal Commission	
		requirement to move facilities	
		within 30 years.	
Departmen	nt:	Administration	
Financial:	Cumulat	ive Budget:	Cumulative Spent:
	\$75,000		\$0
	FY Budge	et:	FY Spent:
	\$75,000		\$0
Permits Required:		None – at this time	
Challenges:		Limited land possibilities, regulatory	
		hurdles, and zoning	
Schedule:		24 months	
Consultants:		Mahoney & Associates	



Project Number:		N/A	
Project Name:		Cyber Security	
Project Location:		District-wide	
Project Manager:		Chris Foley	
Status:		Ongoing	
Project Descriptio	n:	Internal Cyber Security	
		Incident Resp	onse Team
		(CSIRT) forme	ed, and they are
		working on a	response plan &
		training. The	upgrades to
		email filtering	g system have
		been complet	ted. Stricter
		geofencing policies have been	
		put in place, and a cold backup	
		system that is sandboxed from	
		the network was	
		installed March 2022.	
Department:	T	All	
Financial:	Cumu	ılative	Cumulative
	Budge		Spent:
\$17,0		00	\$0
	FY Bu	dget:	FY Spent:
\$17,0		00	\$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 Nu	mber:	N/A		
Project Name:		Lean Six Sig	ma	
Project Loc	ation:	Managemer	nt staff	
Project Ma	nager:	Barbara Buil	kema	
Status:		Green Belt L	evel Training &	
		Certification		
Project		Currently all	managers have been	
Description	n:	assigned the	e task of earning a	
		Green Belt o	ertification. One staff	
		member has	s completed the	
		Black Belt training. One more staff		
		member 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.		
Departmer	nt:	Administration		
Financial:	Cumulat	ive Budget:	Cumulative Spent:	
	\$0		\$2,000	
	FY Budget:		FY Spent:	
\$0		\$0		
Permits Required:		None		
Challenges:		Implementation phase		
Schedule:		Ongoing		
Consultants:		Self-study online		
Trainer:		To be determined		



	Pho	to: California coa	stline	
Project Number:		22-01		
Project Name:		Long-Term Sea	Level Rise Planning	
Project Loo	cation:	Treatment Plan	t	
Project Ma	anager:	Barbara Buikem	na/Patrick Treanor	
Status:		In Progress		
Project		As conditions of	f Coastal Permit #3-	
Description	n:	82-199-A8 - the	District submitted	
		its Long-Term C	oastal Hazards Plan	
		on 03-03-22. B	ringing a	
		Wastewater Tre	eatment Plant	
		Alternatives Pla	Inning Assistance	
		consultant serv	ices contract to the	
		Board in May 2022.		
Departme	nt:	Administration		
Financial:	Cumula	tive Budget: Cumulative Spent		
	\$1,400,	00 \$0		
	FY Budg	get:	FY Spent:	
	\$260,00	00	\$0	
Permits Re	quired:	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 agen	da	
Consultant	ts:	Greeley & Hans	Greeley & Hansen	

STAFF REPORT

To: Board of Directors

From: Ed Waggoner, Operations Superintendent

Date: August 25, 2022

Subject: Monthly Operations Report – July 2022

RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

Plant Operation

Treatment Plant:

- The treatment plant operations staff has continued finishing projects and concentrating on Preventative Maintenance Work Orders during the month of July. This included the implementation of the Operations Flood Preparation Standard Operating Procedures from the Plant Engineer.
- <u>(Project #18-05)</u> 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.
- Operations Superintendent working with Human Resources Consultant on filling the Operator I-II position vacated by Jason Veile in May. In person interviews for the Operator I-II occurred on July 19th with a tentative employment offer being made to Rommel Lopez upon completing preemployment process.

Reclamation:

- Staff continued preventative maintenance work on pumps, motors, and any equipment that needs 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 5.5 pounds per square inch (psi).



<u>Training:</u>

- 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

- On July 14, attended an in-person Oversite Committee meeting with Carmel Area Wastewater District and the Golf Course Superintendents at the Pebble Beach Community Service District Offices for the Wastewater Reclamation Project.
- On July 15, 2022, The In-House Safety Committee met to review and update the Injury & Illness Prevention Program, with discussions on the upcoming Safety Culture Survey.
- July 26, 2022, Operations Superintendent attended a Teams meeting with Kennedy/Jenks and Trussell Technologies on introductions of the consultant team with discussions of potential scope of work for Long Term Master Planning (15 years) for the Reclamation Treatment Facilities.
- (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 violations of Reclamation Permit 93-72 for the month of June 2022.
- There were no violations of the National Pollutant Discharge Elimination System (NPDES) Number CA0047996, Order No. R3-2014-0012 within the month of June 2022.

FUNDING-N/A-Informational item only

STAFF REPORT

To: Board of Directors

From: Chris Foley, Maintenance Superintendent

Date: August 25, 2022

Subject: Monthly Maintenance Report – July 2022

RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

Maintenance Projects in Progress/Completed

- The microturbine gas compressor startup was completed. The microturbines are back in service.
- (Project 21-09) Update 2: Work continues on the Reclamation Supervisory Control and Data Acquisition (SCADA) project with Frisch engineering. Staff has a meeting scheduled with H2O Innovations to discuss the programming updates so the migration can be completed. Staff is currently testing all the alarms and controls on the Ignition SCADA. Staff plans to shut down the old RSView32 SCADA system in early September.
- Critical corrective work orders were higher last month due in part to the SCADA alarm migration. As alarms were migrated issues were identified and corrected.
- Staff has procured additional spare Variable Frequency Drives (VFDs) for the reclamation and treatment plant. Eaton (VFD Manufacturer) discontinued the SVX9000 platform, which includes most of the VFDs in the secondary plant and reclamation. The VFDs were not scheduled to be obsolete but since Eaton has the VFDs built by another manufacturer it was out of their control. Staff is working with Beecher Engineering on a long-term plan to migrate the VFDs to another platform. With CAWDs robust spare inventory and assistance from Beecher Engineering there is time to adequately plan for replacement with minimal risk of downtime.



Upcoming Maintenance Projects

- (Project 18-01) Update 1: Staff is working with Frisch Engineering on the programming for the new chlorination and effluent equipment.
- Work is scheduled on the sodium hypochlorite system to change out the last of the factory threaded valves. The chemical resistant thread sealant fails after a few years. To prevent the failures, Senior Mechanic Michael Skinkle has been implementing a fused pipe solution that he found.
- Staff is working with Avatour to implement a 3D virtual tour of the treatment plant. More information and a demonstration will be provided after the onboarding process is complete.
- Staff has contracted with Tesco to provide instrumentation support and calibration of analyzers, flow meters, VFD configuration and general electrical control system onsite support. Work is scheduled to start in September and Tesco will be onsite a few days each month to assist staff. The goal is to identify problems with instruments before they occur by performing regular calibrations and verifications on all of our instruments. We are currently only calibrating analyzers and permit flow meters.

Staff Development

• Collections and Maintenance staff visited Monterey One Water's Seaside pump station to view their rail system for removing pumps.

Work Order Metrics

Preventive Maintenance

Total Work Orders Generated	553
Total Work Orders Closed/Done	528
Total Work Orders Still Open	25
Percentage of Work Orders Completed	95.48%

Corrective Maintenance



Emergency	4
Critical	19
Urgent	5
Routine	8
Projects	6

FUNDING N/A- Informational item only

STAFF REPORT

To:Board of DirectorsFrom:Rachél Lather, Principal EngineerDate:August 25, 2022Subject: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 July 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 and obtaining easement agreements with 2 property owners for the pump station location and access. The agreements were sent to the property owners but we have received no communication back. Currently, we are reaching out to the project proponents to get the agreements signed.

Carmel Valley Manor (CVM) is continuing to work on their project to connect to the District and have completed realignment of their pipeline. 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 or easement agreement.

The Principal Engineer has contacted the September Ranch developer, Wei Huang. She has taken over for Mr. Abrahams and their attorney has provided comments to the draft Sewer Installation Agreement with the District and these comments/changes have been forwarded to CAWD's attorneys for comment. In addition, the Rancho Cañada Village developer was provided a copy of a draft Sewer Installation Agreement but the District Engineer has not received comments from them.

Source Control Task Force

The Source Control Task Force was formed in January 2022 in order to use Six Sigma methods to improve the effectiveness of restaurant inspections to reduce grease issues in our collection system. The team consists of subject matter experts; Principal Engineer-Rachel Lather, Plant Engineer-Patrick Treanor, Collections Superintendent-Daryl Lauer, Plant Superintendent-Ed Waggoner, and Source Control Supervisor-Ray De Ocampo.

The goal of this task force is to reduce grease in our collections system by improving inspections using video technology, increased outreach to restaurants, and compliance follow up. The success measures include being able to reduce the flushing schedule, to focus restaurant inspections based on data collected, and to reduce sanitary sewer overflows due to grease.

The task force is led by the Principal Engineer, Rachel Lather and has met three times to date. Each subject matter expert has provided data to Mr. Treanor to perform an analysis of the trends. At this time, we have completed the "Define, Measure, Analyze" steps and have determined that more information is needed prior to proceeding to the "Improvement" step of the Six Sigma process. The following photo of a restaurant's lateral was found on the pipeline video inspection and supports the need to improve inspections.



Principal Plant Engineer, Patrick Treanor gathered the data from each member of the task force and completed a study of the sources of grease in the District collection system from pipeline inspections and mapping of restaurants in the collection system. The study process went through the following steps:

<u>Step 1</u> - CCTV inspections grease data was collected for all pipeline segments in the District over the last 5 years.

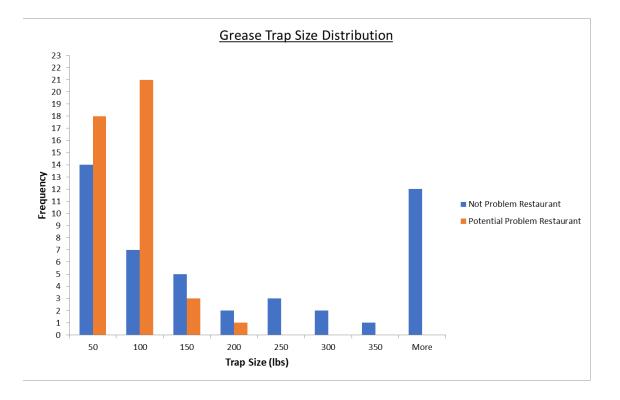
<u>Step 2</u> - A list of all downstream pipe segments for each individual restaurant in the District was developed.

<u>Step 3</u> - To analyze which restaurants are discharging grease, data for each line segment (from Step 1) was totalized for all the downstream line segments associated with each individual restaurant (from Step 2). This provided a unique "grease score" for each restaurant.

<u>Step 4</u> - The restaurants with a "grease score" greater than 1 standard deviation above the mean were identified for further investigation. Of the approximately 100 restaurants in the District, 30 were determined to be likely sources of excessive grease observed in the pipelines (i.e. these 30 restaurants had a grease score of greater than one standard deviation above the mean). These restaurants were called "potential problem restaurants."



<u>Step 5</u> - Grease trap size for each restaurant was also compared to the grease score (from Step 3) for each restaurant. The analysis of grease trap size and downstream grease score showed that the majority of restaurants with a grease trap size less than 150 lbs. were on the list of 30 potential problem restaurants (from Step 4). Only 4 of the identified "potential problem restaurants" had grease trap sizes of 150 lbs. or larger.



Based on the results of Mr. Treanor's analysis, a push camera was purchased by the Collections Superintendent who is in the process of training Source Control Staff to video inspect a restaurant's lateral. We will focus on the 30 potential problem restaurants in order to determine if grease is being released into the sewer system and gather video data to determine if there is a problem.

The next step will be the "Improvement Step" and the results/success of the videos is a key piece of data as well as the grease trap size associated with the restaurants. The next meeting of the Task Force is in mid-September.

Riverwatch Agreement Resolution

The Principal Engineer has commenced compiling data and drafting the report to summarize the work that has been completed as part of the settlement agreement with River Watch. The most time consuming items encompassed the manhole inspections and pipeline inspections, which have been substantially completed by the Collections Crews.

Her review of the agreement was used to develop a table of contents and she began writing the engineer's report that is due July of 2023. After reviewing the work that has been completed, there are tables and drawings that will need to be developed and a few items are pending such as the Sanitary System Management Plan (SSMP) Audit for 2022 and Pump Station Inspections. The SSMP Audit will come to your Board at the August 2022 meeting and staff have commenced the pump station inspections to be completed by the end of this summer.

FUNDING-N/A- Informational item only

Resolutions

STAFF REPORT

To:Board of DirectorsFrom:Rachél Lather, Principal EngineerDate:August 25, 2022Subject:Sewer System Management Plan Audit

RECOMMENDATION

It is recommended that the Board of Directors approve and accept the Sewer System Management Plan (SSMP) audit and authorize the General Manager to update the SSMP based on the findings of the audit.

DISCUSSION

The District, as owner/operator of a wastewater collection system with more than one mile of collection lines is required to update the SSMP when significant changes have been completed or at least every five years and audit the SSMP every two years. The SSMP was originally certified by the Board in April 2010 and was last updated on January 30, 2020.

An audit was completed in July 2022, by Principal Engineer, Rachél Lather, and Collections Superintendent, Daryl Lauer. The audit resulted in recommending minor changes to the SSMP that are noted in the attached audit report. The minor changes are listed on the attached SSMP Change Log and individual pages are included that will replace the pages in the SSMP.

Once the report and the resulting changes to the SSMP are approved, the updated SSMP document will be posted on the CAWD website, as required by the State Regional Water Resources Board.

FINANCIAL

No impact

Attachments: 2022 SSMP Audit Report, SSMP Changes, Resolution 2022-54



Carmel Area Wastewater District SSMP Audit Checklist Report July 20, 2022

The purpose of the SSMP Audit is to evaluate the effectiveness of the CAWD SSMP and to identify any needed for improvement. The information identified here will be used to inform the findings and necessary information to be evaluated during the biannual Internal Audit of the CAWD SSMP.

Directions: Please rank each item below utilizing the following sufficiency ranking system and add any comments to explain the ranking to the Comment Section of each SSMP Element:

- Complies (C) complies with all WDR objectives
- Substantially Complies (SC) complies mostly with all WDR objectives
- Partially Complies (PC) complies with basic WDR objectives
- Marginal Compliance (MC) complies minimally with basic objectives of the WDR
- Does Not Comply does not comply with WDR objectives

Ele	ment 0 – Introduction/Executive Summary	
A.	CAWD completed a large annexation to the district in 2021. Coastal approval is pending. Figure 1 needs to be updated.	SC
B.		
C.		
D.		
Ele	ment I – Goals	Rating
A.	Are the goals stated in the SSMP still appropriate and accurate?	С
	cussion: Goals have not changed since 2020.	
Dis		Rating
Dis	cussion: Goals have not changed since 2020.	
Dis Ele	cussion: Goals have not changed since 2020. ment II – Organization	Rating

D.	Are the Staff position descriptions an accurate portrayal of staff responsibilities?	C
E.	Is the Chain of Communication for Reporting and Responding to SSOs section/flow chart accurate and up to date?	С
	cussion: There have been no substantial changes in the organization since 2020. In an enterployee position has been added to Collections/Plant who is shared 50/50	
Elei	nent III – Legal Authority	Rating
	s the SSMP contain current references to the District's Sewer Code documenting l authority to:	CAWDs
A.	Prevent illicit discharges?	C
B.	Require proper design and construction of sewers and connections?	C
C.	Ensure access for maintenance, inspection, or repairs for portions of the lateral owned or maintained by the CAWD?	С
D.	Limit discharges of fats, oils and grease?	C
E.	Enforce any violation of its sewer ordinances?	С
F.	Were any changes or modifications made in the past year to Sewer Ordinances, Regulations or standards?	Y
Disc	cussion: The Pretreatment Ordinance was updated in February 2022.	
Eler	nent IV – Operations & Maintenance	
Coll	lection System Maps	Rating
A.	Does the SSMP reference the current process and procedures for maintaining CAWD's wastewater collection system maps?	С

- Are the wastewater collection system maps complete, current and sufficiently B. SC detailed?
- Are storm drainage facilities of the City and County identified on the С. collection system maps? If not, are SSO responders able to determine locations of storm drainage inlets

and pipes for possible discharge to waters of the state?

С

Pri	oritized Preventive Maintenance	Rating
D.	Does the SSMP describe current preventive maintenance activities and the system for prioritizing the cleaning of sewers?	С
E.	Based upon information in the Annual SSO Report, are the CAWDs preventive maintenance activities sufficient and effective in minimizing SSOs and blockages?	С
Sch	eduled Inspections and Condition Assessments	Rating
F.	Is there an ongoing condition assessment program sufficient to develop a capital improvement plan addressing the proper management and protection of infrastructure assets?	С
	Are the current components of this program documented in the SSMP?	С
Сот	ntingency Equipment and Replacement Inventory	Rating
G.	Does the SSMP list the major equipment currently used in the operation and maintenance of the collection system and documents the procedures of inventory management?	С
H.	Are contingency and replacement parts sufficient to respond to emergencies and properly conduct regular maintenance?	С
Tra	ining	Rating
I.	Does the SSMP document current training expectations and programs?	С
Out	treach to Plumbers and Building Contractors	Rating
J.	Does the SSMP document current outreach efforts to plumbers and building contractors?	С
	cussion: Map of parcels recently annexed to the District in 2021/22 need to be adde vice area mapping.	ed to the

Elei	nent V – Design and Performance Standards	Rating
A.	Does the SSMP reference current design and construction standards for the installation for new sanitary sewer systems, pump stations and other appurtenances and for the rehabilitation and repair of existing sanitary sewer systems?	С
B.	Does the SSMP document current procedures and standards for inspecting and testing the installation of new sewers, pumps, and other appurtenances and the rehabilitation and repair of existing sewer lines?	С
Disc	cussion: Standard Plans & Specification and the Plumbing Ordinance are current.	
Elei	nent VI – Overflow and Emergency Response Plan	Rating
A.	Does the CAWD Sanitary Sewer Overflow Emergency Response Plan establish procedures for the emergency response, notification, and reporting of SSOs?	С
B.	Are staff and contractor personnel appropriately trained on the procedures of the Sanitary Sewer Overflow Emergency Response Plan?	С
C.	Considering SSO performance data, is the Sanitary Sewer Overflow Emergency Response Plan effective in handling SSOs in order to safeguard public health and the environment?	С
D.	Are all SSO and claims reporting forms current or do they require revisions or additions?	С
E.	Does all SSO event recordkeeping meet the SSS GWDR requirements? Are all SSO event files complete and certified in the CIWQS system?	С
F.	Is all information in the CIWQS system current and correct? Have periodic reviews of the data been made during the year to assure compliance with SSS GWDR? Have all Technical Report and Water Quality Sampling requirements been met and uploaded to the CIWQS data management system?	С
Disc	cussion: No changes to the OERP are needed at this time.	

Elei	nent VII – Fats, Oils and Grease (FOG) Control Program	Rating
A.	Does the FOG Control Program include efforts to educate the public on proper handling and disposal of FOG?	SC
B.	Does the FOG Control Program identify sections of the collection system subject to FOG blockages, establish a cleaning schedule and address source control measures to minimize these blockages?	С
C.	Are requirements for grease removal devices, best management practices (BMP), record keeping, and reporting established in the CAWD FOG Control Program?	С
D.	Does CAWD have sufficient legal authority to implement and enforce the FOG Control Program?	С
E.	Is the current FOG program effective in minimizing blockages of sewer lines resulting from discharges of FOG to the system	SC
F.	Was required training on SSMP and OERP completed and documented? Were field exercises with field staff on SSO volume estimation conducted and documented?	С
G.	Did all public improvement plans and specifications that could impact collection system operations include requirements for OERP training or were contractor OERP programs at least as stringent as the CAWD OERP? Were regular items included in project meeting agendas to discuss emergency response procedures and communications?	С
upda deve for 1	cussion: An up to date Pretreatment Ordinance was adopted in February 2022. A ated program, the permitting process has been improved and a Source Control Task cloped to improve documentation, inspection practices and enforcement of FOG restaurants. CAWD is moving forward with updating the outreach materials for rethe public.	k Force was equirements
Elei	nent VIII – System Evaluation and Capacity Assurance Plan	Rating
A.	Does the CAWD Sewer System Master Plan evaluate hydraulic deficiencies in the system, establish sufficient design criteria and recommend both short and long-term capacity enhancement and improvement projects?	С
B.	Does the CAWD Capital Improvement Plan (CIP) establish a schedule of approximate completion dates for both short and long- term capacity improvements and is the schedule reviewed and updated to reflect current budgetary capabilities and activity completed?	С
	cussion: The CIP was updated based upon condition assessment results of pipeline holes, the proximity to water bodies, and capacity issues.	es &

Element IX – Monitoring, Measurement and Program Modifications			
A.	Does the SSMP accurately portray the methods of tracking and reporting selected performance indicators?	С	
В.	Is CAWD able to sufficiently evaluate the effectiveness of the SSMP elements based on relevant information?	С	
C.	C. Do the performance metrics properly support the Goals in Element 1?		

Discussion: No changes to the Monitoring Measurement Program are required at this time.

Element X – SSMP Audits	Rating	
A. Will the SSMP Audit be completed, reviewed and filed in Appendix B?	С	
B. Was the final Audit Report presented to the governing body at a publicly noticed meeting?		
Discussion: This audit will be reviewed at a public meeting by the Board of Directors.		
Element XI – Community Program	Rating	
Element XI – Community Program A. Does CAWD effectively communicate with the public and other agencies about the implementation of the SSMP and continue to address any feedback?	Rating C	
A. Does CAWD effectively communicate with the public and other agencies		

	Did staff conduct and document meetings with the Pebble Beach Community Services District's satellite collection systems?				
D. Are all agreements with satellite systems current or are changes necessary to these agreements?					
Discussion: The SSMP Audit will be provided on the CAWD website once it is accepted by the CAWD Board of Directors.					
Change Log				Rating	
A. Is the SSM	1P Change Log current and up to date?			SC	
Discussion: Ch	Discussion: Changes noted or required during this audit will be added to the SSMP Change log.				
Audit Team:	D.Laver, R. Lather ZRygather	Date:	7/20/2022		
Prepared By:	2 Rypather	Date:	7/20/2022 7/20/2022		
Reviewed By:	J. mikeme	Date:	7/28/22		
Certified By:		Date:			

Date:

Approved for Filing On

Appendix C: Sewer System Management Plan Change Log

Carmel Area Wastewater District SSMP Changes Log

Date	SSMP Element #	Description of Change/Revision Made	Person Authorizing Change
8/25/22	III-1	Update References to Pretreatment Ordinance 2022-01	R. Lather
8/25/22	-3	Update References to Pretreatment Ordinance 2022-01	R. Lather
8/25/22	VII-2	Update References to Pretreatment Ordinance 2022-01	R. Lather
8/25/22	VII-3	Update References to Pretreatment Ordinance 2022-01	R. Lather

Element III: Legal Authority

Legal Authority: Each Enrollee must demonstrate, through sanitary sewer system use ordinances, service agreements, or other legally binding procedures, that it possesses the necessary legal authority to:

- a. Prevent illicit discharges into its sanitary sewer system (examples may include I/I, stormwater, chemical dumping, unauthorized debris and cut roots, etc.);
- b. Require that sewers and connections be properly designed and constructed;
- c. Ensure access for maintenance, inspection, or repairs for portions of the lateral owned or maintained by the Public Agency;
- d. Limit the discharge of fats, oils, and grease and other debris that may cause blockages, and
- e. Enforce any violation of its sewer ordinances.

III-1. Municipal Code

The District Ordinances describes CAWD's current legal authority required for compliance with the GWDR. That authority is summarized in Table III -1 below.

Table III - 1: Summary of Legal Authorities

Requirement	Legal Authority Reference
Prevent illicit discharges into the wastewater collection system	2019 Plumbing Ordinance 2019-01 2.04 Violation Unlawful Section 3.0 Use of Sewers Required
	2019 Plumbing Ordinance 2019-01
Limit the discharge of fats, oils, and grease and other debris that may cause blockages	Section 4.0 Private Sewage Disposal and Pretreatment CAWD Pretreatment Ordinance 91- 03 2022-01
	2.1.1 General Discharge Prohibitions
	2019 Plumbing Ordinance:
Require that sewers and connections be properly designed and constructed	Section 5.0- Building Lateral and Connections
	Standard Plans & Specifications Ordinance 2019-02
	Volume I, Section 7-Miscellaneous Sewer Requirements
	Volume II-Section 11, Miscellaneous Sewer Requirements

Requirement	Legal Authority Reference
	Volume III- Section 2, Design and Policy Standards for Private Laterals
Require proper installation, testing, and inspection of new and rehabilitated sewers	2019 Plumbing Ordinance 2019-01 Section 6.0- Public Sewer Construction Standard Plans & Specifications Ordinance 2019-02
Clearly define CAWD responsibility and policies	2019 Plumbing Ordinance 2019-01 Section 1.0 – Definitions and Terms Section 2.0 – General Provisions Section 6.0 Public Sewer Construction Standard Plans & Specifications Ordinance 2019-02
Control infiltration and inflow (I/I) from private service laterals	2019 Plumbing Ordinance 2019-01 Section 5.04 Use of Existing Lateral Sewers
Requirements to install grease removal devices (such as traps or interceptors), design standards for the grease removal devices, maintenance requirements, BMP requirements, record keeping and reporting requirements	2019 Plumbing Ordinance 2019-01 Section 4.03 Grease, Oil and Sand Interceptors CAWD Pretreatment Ordinance 91-03 2022-01 4.4 3.10 Pretreatment 4.7 8.3 Grease Interceptors and Gravity Separating Devices
Authority to inspect grease producing facilities	CAWD Pretreatment Ordinance 91-03 2022-01 5.2 Inspection and Sampling 5.3 Monitoring, Sampling and Records
Enforce any violation of its sewer ordinances	2019 Plumbing Ordinance 2019-01 Section 11.0 Enforcement CAWD Pretreatment Ordinance 91-03 2022-01 Section 6- 4 Enforcement Administrative Penalties Ordinance 2019-03

III-2. Agreements with Satellite Agencies

CAWD provides sewer treatment services to the Del Monte Forest development area which includes the Pebble Beach resorts and residences. The Pebble Beach Community Service District provides all sewer collection services within their district boundaries. Their collection system is independent of the CAWD collection system and managed independently of CAWD.

III-3. References

- Ordinance 2019-01 Uniform Plumbing Ordinance
- Ordinance 2019-02 New Standard Plans and Specifications
- Ordinance 2019-03 New Administrative Penalties Ordinance
- District Pretreatment Ordinance 91-03-2022-01

Requirement (b):

A plan and schedule for the disposal of FOG generated within the sanitary sewer system service area. This may include a list of acceptable disposal facilities and/or additional facilities needed to adequately dispose of FOG generated within a sanitary sewer system service area.

Response:

The M1W wastewater treatment plant is a receiving facility for waste grease from both inside and outside of the CAWD service area. All approved haulers are informed about M1W FOG disposal policies and procedures.

Requirement (c):

The legal authority to prohibit discharges to the system and identify measures to prevent SSOs and blockages caused by FOG.

Response:

CAWD Ordinances provide the legal basis and authority (see Element 3) for CAWD's FOG Control Program, especially Ordinances 2019-01, 2019-03, and 2022-01.

Requirement (d):

Requirements to install grease removal devices (such as traps or interceptors), design standards for the grease removal devices, maintenance requirements, BMP requirements, record keeping and reporting requirements.

Response:

CAWD Ordinance 91-03 2022-01, addresses requirements for grease removal devices. In addition, CAWD adopted the 2019 Uniform Plumbing Code effective May 24, 2019 which also provides authority for grease removal devices.

Requirement (e):

Authority to inspect grease producing facilities, enforcement authorities, and determination of whether the collection system CAWD has sufficient staff to inspect and enforce the FOG ordinance.

Response:

The inspection and enforcement for FOG related problems are included in the CAWD Uniform Plumbing Ordinance 2019-01, New Administrative Penalties Ordinance 2019-03 effective May 24, 2019 and Pretreatment Ordinance 2022-01 are conducted by the Lab Analyst/Environmental Inspector.

Requirement (f) and (g):

Requirement (f) is an identification of sewer system sections subject to FOG blockages and the establishment of a cleaning maintenance schedule for each section, and Requirement (g) is the development and implementation of source control measures, for all sources of FOG discharged to the sewer system.

Response:

CAWD has identified and maintains many collection system lines on a high frequency line maintenance list. These lines have experienced grease accumulation in the past and are cleaned on varying frequencies based upon severity. The high frequency program currently lists approximately 2.97 miles of collection system lines (3.7% of the collection system) that are cleaned on one of the following frequencies as stated in **Table IV-2 High Frequency Lines**:

- Quarterly
- Every eight months
- Annually

District staff monitors areas that have been identified to have a history of grease related SSOs and blockages, based upon field experience and maintenance records. CAWD also investigates conditions in these areas in an effort to determine the origin of any FOG discharges. Actions in these investigations may include:

- Targeted inspections of FSEs upstream of a reported hotspot.
- Video inspections of main lines.
- Video inspections of laterals.
- Distribution of educational outreach materials.

Follow-up tasks may be required as a result of these inspections. If it is determined that an FSE is the source of the grease related SSO or blockage, then staff proceeds with the activities such as Inspections/Monitoring. If it is determined that the source is a residential property, then educational outreach materials may be distributed or targeted meetings with property owners and/or homeowners' associations may be scheduled.

VII-3. References

- Ordinance 91-03 2022-01 Pretreatment Ordinance
- Ordinance 2019-01 New Uniform Plumbing Code
- Ordinance 2019-03 New Administrative Penalties Ordinance

RESOLUTION NO. 2022-54

A RESOLUTION APPROVING AND ADOPTING THE DISTRICT SEWER SYSTEM MANAGEMENT PLAN (SSMP) AND AUTHORIZING THE GENERAL MANAGER TO CERTIFY THE PLAN AS REQUIRED BY THE STATE WATER RESOURCES CONTROL BOARD

-000-

WHEREAS, the Carmel Area Wastewater District owns a wastewater collection system and is responsible for complying with regulatory requirements associated with operating and maintaining a wastewater collection system; and

WHEREAS, the State Water Resources Control Board requires wastewater collection system owners to develop, maintain and update a Sewer System Management Plan (SSMP); and

WHEREAS, the State Water Resources Control Board requires an audit of the SSMP every two years; and

WHEREAS, a SSMP Audit has been conducted by staff which resulted in minor changes to the SSMP that are noted in the SSMP audit report.

WHEREAS, on this date the Board of Directors received and reviewed a report with conclusions from the District's Principal Engineer.

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

 After considering the written staff report and verbal testimony, the Board Adopts the Carmel Area Wastewater District Sewer System Management Plan. 2. The Board authorizes the General Manager to update the State Water Resources Control Board records documenting the approval and adoption of the updated SSMP.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on August 25, 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: August 25, 2022



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

RECOMMENDATION

It is recommended that the Board of Directors proclaim a local emergency and authorize remote teleconference meetings for the period August 30 through September 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. 2022-55

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 AUGUST 30 THROUGH SEPTEMBER 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. <u>Recitals</u>. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

Section 2. <u>Proclamation of Local Emergency</u>. 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. <u>Ratification of Governor's Proclamation of a State of Emergency</u>. 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. <u>Remote Teleconference Meetings</u>. 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. <u>Effective Date of Resolution</u>. This Resolution shall take effect immediately upon its adoption and shall be effective until the earlier of September 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 August 25, 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	Z	
From:	Patrick Treanor, Plant Engineer Chris Foley, Maintenance Superintendent	SINCE 1908	
Date:	August 25, 2022		
Subject:	Authorize Electrical Engineering Services for the Recl Microfiltration/Reverse Osmosis System - Variable Fr Replacement		

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution authorizing the General Manager to execute a Professional Services Agreement with Beecher Engineering for Electrical Engineering Services to assist Carmel Area Wastewater District (CAWD) in managing replacement of Variable Frequency Drives (VFD) in the amount of \$43,890.

DISCUSSION

The Reclamation Microfiltration/Reverse Osmosis (MF/RO) Facility is heavily reliant on VFDs for operation of the treatment equipment. The VFD at the MF/RO Facility were installed in 2008 and have reached the end of their 15-year estimated useful life. VFD failures at the MF/RO Facility over the past 5 years have been managed by maintaining a backup supply of identical spares for one to one "swap outs" by CAWD maintenance. Recently, CAWD discovered that the VFD platform currently utilized at the MF/RO facility has been suddenly discontinued by the manufacturer; and therefore availability of directly compatible VFD is quickly drying up. Staff has been forced to purchase several VFD from eBay over the past month to maintain a suitable stock of critical spares for the MF/RO Facility. A long-term solution for VFD replacement needs to be identified.

CAWD staff requested a proposal from Beecher Engineering to evaluate alternative VFD makes and models so CAWD can select a preferred new VFD type to utilize moving forward.

In addition, staff requested that Beecher provide electrical drawings that detail electrical design modifications necessary to integrate/retrofit the preferred new type of VFD into the existing electrical control centers.

FUNDING

The Reclamation Project financial stakeholders have provided approval via email for the cost of \$43,890. These approvals will be ratified at the next Reclamation Management Committee meeting in November.

Attachments:

- 1. Proposal Beecher Engineering
- 2. Resolution 2022-56
- 3. Budget approval emails from Reclamation Management Committee financial stakeholders



August 12, 2022

Mr. Patrick Treanor, P.E. Carmel Area Wastewater District 3945 Rio Road Carmel, CA 93922

SUBJECT: Carmel Area Wastewater District Variable Frequency Drive Replacement – Proposal for Engineering Services

Dear Mr. Treanor,

I am pleased to submit this proposal to the Carmel Area Wastewater District (CAWD) for providing engineering services in relation to replacement of existing variable frequency drive (VFD) equipment related to the MF/RO process system. Below is a summary of the services that I am proposing for this work:

Proposed Scope of Work:

The equipment listed below shall be included in this scope of work:

MF Filtrate Pumps (Qty 3) Backwash Supply Pumps (Qty 2) Air Scour Blower (Qty 2) MF CIP Recirculation Pump (Qty 1) Interstage Pumps (Qty 2) Blend Pumps (Qty 2) RO Feed Pumps (Qty 3)

(15) Equipment Items Total

The scope of work performed by Beecher Engineering, Inc. (BEI) shall include the following:

- Site investigation to gather existing equipment motor nameplate data and existing equipment VFD installation information for each piece of equipment listed above (assistance from CAWD for identification of equipment locations and partial disassembly of covers to allow photographing of motor nameplate data is assumed)
- Gather potential replacement VFD manufacturer dimensional and control system interface information
- Contact potential replacement VFD suppliers/distributors to obtain lead time for replacement VFD equipment

- Discuss inclusion/exclusion of potential VFD replacement manufacturers with CAWD (based upon completed research) and decide upon retrofit VFD manufacturer and model type
- Develop retrofit design for each selected VFD replacement location. For each "similar" VFD replacement location, the following design effort shall be provided:
 - Review of existing record documentation/shop drawings
 - Site investigation to gather installation information and photograph existing installation details and associated wiring
 - Develop "Demolition" and "Modification" drawings for CAWD field installation

Proposed Hours and Fee:

Below is a breakdown of the proposed hours and corresponding fee for each proposed work task. Fee amount is based on the BEI 2022 billing rate of \$210/hr:

Task Description	Proposed Task Hrs	Proposed Task Fee
Equipment Data Site Visit	12	\$2,520
Gather Replacement VFD Info	16	\$3,360
Contact Replacement VFD Reps	8	\$1,680
Discuss VFD Findings with CAWD	4	\$840
Existing VFD Investigation Site Visits (2 site visits planned)	24	\$5,040
Develop "Template" Demolition Interconnection Diagrams for each "Type" of Equipment (7 templates total)	40	\$8,400
Complete Unique Demolition Interconnection Diagrams (15 total)	45	\$9,450
Develop "Template" Modification Interconnection Diagrams for each "Type" of Equipment (7 templates total)	30	\$6,300
Complete Unique Modification Interconnection Diagrams (15 total)	30	\$6,300
Totals:	209	\$43,890

Thank you for the opportunity to propose on this work. Please let me know if you have any questions or require any additional information.

Sincerely

Todd Beecher, P.E. Beecher Engineering, Inc.

90 Copper Cove Drive, Suite D, Copperopolis, CA 95228 Phone: (541) 580-8300 Email: todd@beecherengineering.com

Patrick Treanor

From:	Joe Huston <jhuston@ncga.org></jhuston@ncga.org>
Sent:	Monday, August 15, 2022 3:13 PM
То:	reitzb; heuckd@pebblebeach.com; Sawin, John; jjwest@mpccpb.org
Cc:	Patrick Treanor; nbecker@pbcsd.org
Subject:	RE: MF/RO VFDs obsolete - Emergency Funding Request by CAWD

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. <mark>Approved,</mark>

Joe Huston

From: Reitz, Brent <<u>reitzb@pebblebeach.com</u>>

Sent: Monday, August 15, 2022 2:59 PM

To: Heuck, David <<u>heuckd@pebblebeach.com</u>>; Sawin, John <<u>SawinJ@pebblebeach.com</u>>; jjwest@mpccpb.org; Joe Huston (<u>jhuston@ncga.org</u>) <<u>jhuston@ncga.org</u>>

Cc: Patrick Treanor <<u>Treanor@cawd.org</u>>; Nick Becker - PBCSD (<u>NBecker@pbcsd.org</u>) <<u>NBecker@pbcsd.org</u>> Subject: RE: MF/RO VFDs obsolete - Emergency Funding Request by CAWD

JJ & Joe: I'll await your approvals before authorization to CAWD & RMC.

Once I get the financial stakeholder's approvals, it's my understanding that Patrick will need to gain approval from his CAWD board, and we will also need to gain approval from the RMC Board.

Nick or Patrick: Can you elaborate on those two processes?

In the past, we have had to wait until CAWD officially approved the request that their next Board Meeting. As it relates to RMC, in the past we have "verbally" let them know, with an official approval at the next Board Meeting. Let me know how you see streamlining these two processes so we can get Beecher Research going....

Thanks All,

br

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

From: Heuck, David <<u>heuckd@pebblebeach.com</u>>
Sent: Monday, August 15, 2022 2:50 PM
To: Reitz, Brent <<u>reitzb@pebblebeach.com</u>>; Sawin, John <<u>SawinJ@pebblebeach.com</u>>; jjwest@mpccpb.org; Joe Huston
(jhuston@ncga.org) <jhuston@ncga.org>
Cc: Patrick Treanor <<u>Treanor@cawd.org</u>>; Nick Becker - PBCSD (<u>NBecker@pbcsd.org</u>) <<u>NBecker@pbcsd.org</u>>
Subject: RE: MF/RO VFDs obsolete - Emergency Funding Request by CAWD

approved

From: Reitz, Brent <<u>reitzb@pebblebeach.com</u>> Sent: Monday, August 15, 2022 2:48 PM

Patrick Treanor

From:	JJ West <jjwest@mpccpb.org></jjwest@mpccpb.org>
Sent:	Monday, August 15, 2022 3:21 PM
То:	reitzb; heuckd@pebblebeach.com; Sawin, John; jhuston@ncga.org
Cc:	Patrick Treanor; nbecker@pbcsd.org
Subject:	RE: MF/RO VFDs obsolete - Emergency Funding Request by CAWD

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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: Monday, August 15, 2022 2:59 PM
To: Heuck, David <heuckd@pebblebeach.com>; Sawin, John <SawinJ@pebblebeach.com>; JJ West
<jjwest@mpccpb.org>; Joe Huston (jhuston@ncga.org) <jhuston@ncga.org>
Cc: Patrick Treanor <Treanor@cawd.org>; Nick Becker - PBCSD (NBecker@pbcsd.org) <NBecker@pbcsd.org>
Subject: RE: MF/RO VFDs obsolete - Emergency Funding Request by CAWD

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Thanks All,

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

From: Heuck, David <<u>heuckd@pebblebeach.com</u>> Sent: Monday, August 15, 2022 2:50 PM

Patrick Treanor

From:	Heuck, David <heuckd@pebblebeach.com></heuckd@pebblebeach.com>
Sent:	Monday, August 15, 2022 2:50 PM
То:	reitzb; Sawin, John; jjwest@mpccpb.org; jhuston@ncga.org
Cc:	Patrick Treanor; nbecker@pbcsd.org
Subject:	RE: MF/RO VFDs obsolete - Emergency Funding Request by CAWD

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From: Reitz, Brent <reitzb@pebblebeach.com>

Sent: Monday, August 15, 2022 2:48 PM

To: Heuck, David <heuckd@pebblebeach.com>; Sawin, John <SawinJ@pebblebeach.com>; jjwest@mpccpb.org; Joe Huston (jhuston@ncga.org) <jhuston@ncga.org>

Cc: Patrick Treanor <Treanor@cawd.org>; Nick Becker - PBCSD (NBecker@pbcsd.org) <NBecker@pbcsd.org> Subject: RE: MF/RO VFDs obsolete - Emergency Funding Request by CAWD Importance: High

Patrick: Thank you for the Clarifications in RED below.

IRWUG: Please see the CAWD request for an emergency design proposal at \$44K (below in this email-chain, see **AUG-15**th **at 9:40 AM** message)

Please read the email below where Patrick answers my questions in RED.

It seems apparent that CAWD needs immediate help in order to have the proper spare parts (VFD-Electrical Drive Equipment for Pumps) available should we have failures in the future.

This \$44K Request is the first crucial step in gaining recycled water security for the future.

Given the background note in italic here, and CAWD's request below, I recommend we authorize the emergency funding request for \$44K below ASAP. (see attached)

NOTE: Background on VFD's and their role in our Plant:

VFDs (variable frequency drives) control the pump motors and therefore control the operation of the pumps. Without the VFD the pumps can't be controlled and thus we can't control/operate the system. The VFD's are critical, there isn't really a work around if a VFD fails. Luckily we have redundancy of the pumps (and corresponding MF cells and RO trains), so if just one VFD goes down we can still run the rest of the equipment with little effect. But if we have multiple VFD failures going on around the same time and can't replace the VFD we will start losing capacity.

The issue with VFDs is a worldwide issue right now directly related to the "chip shortage", it's the same reason the Federal Govt just passed the "CHIPS Act" and why Pelosi just visited Taiwan. VFDs are used in all sorts of industry and critical infrastructure (not just water). That is why it takes a year to get a VFD right now. High demand, low supply.

Thank You , br

Brent Reitz 831-277-7897 cell Director of Energy & Water Conservation From: Patrick Treanor <<u>Treanor@cawd.org</u>>
Sent: Monday, August 15, 2022 11:42 AM
To: Reitz, Brent <<u>reitzb@pebblebeach.com</u>>; Chris Foley <<u>Foley@cawd.org</u>>
Cc: Barbara Buikema <<u>Buikema@cawd.org</u>>; Ed Waggoner <<u>waggoner@cawd.org</u>>; <u>nbecker@pbcsd.org</u>
Subject: RE: MF/RO VFDs obsolete

This message originated from an outside source:

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Brent - See response below in red.

From: Reitz, Brent <reitzb@pebblebeach.com>

Sent: Monday, August 15, 2022 9:40 AM

To: Patrick Treanor <<u>Treanor@cawd.org</u>>; Chris Foley <<u>Foley@cawd.org</u>>

Cc: Barbara Buikema <<u>Buikema@cawd.org</u>>; Ed Waggoner <<u>waggoner@cawd.org</u>>; <u>nbecker@pbcsd.org</u> Subject: RE: MF/RO VFDs obsolete

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. Patrick:

I'm not clear on how the \$44K Beecher Design Work dovetails with the \$462K number Chris calls out in his original email.

Chris refers to this as a "non-critical" issue, but your email below calls it out as needing to be approved "ASAP"...please clarify overall Timing requirements & reasoning. The \$462K was to have Eaton completely replace all the MF/RO VFD. This was being looked at prior to the recent revelation that the SVX 9000 VFD were no longer being made, and it was likely to be budgeted in 23/24. The fact that the existing drives aren't being made anymore changes the situation and we have to go back to square one and figure out what approach we should take (hence the Beecher scope of work request). We have some spares of the existing VFD (hence this isn't a full-fledged emergency), but we were in the process of ordering more spares when we realized they weren't available anymore. We could use up our spare VFD supply soon and new VFD's can sometimes have a one year lead time. At this point we don't know what VFD to order. We need to get our ducks in a row so we don't get into a "too late" situation.

What's the Beecher Modification Design do for us once we get it? It will give us the details as to how to switch out the VFD with a new different model VFD, and it will help us select which new VFD model we should standardize on. This will give us the insight we need to develop an implementation strategy for managing these VFD at MF/RO. In other words...

- What's the next step after we receive the engineering report? The next step would be to purchase the specified spare VFDs (new VFD model) with confidence. The lead times for new VFD could be ~ 1 year so that is why this is an ASAP situation.
- 2. Is whatever the next step is, budgeted already? Line Item 68200 has \$38K for various spares. I don't think that will get us very far though.
- 3. Is something "critical" potentially going to breakdown in the near future? Yes. The VFDs are a high risk of failure and have had ongoing repairs and swap outs. With the recent development with VFD obsolescence, the risk has increased significantly as supply of these VFD's is drying up, which is why we are trying to figure out a new approach ASAP.

4. If we have to budget for NEW VFD's is that something for next year's budget...or emergency purchase for the current year's budget? Not sure yet. The process with working with Beecher will illuminate the maintenance strategy we should take. He already gave us some good advice that is helping steer us in the right direction. The fact of the matter is that the sudden obsolescence issue caught us off guard.

Please clarify the Timing & All-In Expense of your request below, I don't think we will know the all in expense until we get working with Beecher. Finding the best strategy requires more digging, but we need help to get there.

Nick: FYI

Thanks, br

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

From: Patrick Treanor <<u>Treanor@cawd.org</u>>
Sent: Monday, August 15, 2022 9:21 AM
To: Chris Foley <<u>Foley@cawd.org</u>>; Reitz, Brent <<u>reitzb@pebblebeach.com</u>>
Cc: Barbara Buikema <<u>Buikema@cawd.org</u>>; Ed Waggoner <<u>waggoner@cawd.org</u>>
Subject: RE: MF/RO VFDs obsolete

This message originated from an outside source:

Use caution in opening links or attachments.

Hi Brent,

Regarding the issue Chris alerted you to in the previous email, we have been working with Beecher Engineering to devise a path forward to plan for replacing existing VFDs that are no longer supported with a different model VFD. Beecher Engineering has provided the attached proposal to provide us with a "modification design" for each VFD at the MF/RO Facility.

Cost is \$44k for Beecher's engineering work, which was not budgeted because we did not anticipate that we would no longer be able to order replacement VFDs that match the existing VFD. This is a high priority issue because if we don't figure out a good way to manage VFD replacement we are going to experience shutdowns of the system.

Again this is a high priority and we need to get approval ASAP to stay in front of this issue. Please let me know how you would like us to proceed getting budget and contract approval for the \$44K.

Thanks, Patrick

RESOLUTION NO. 2022-56

A RESOLUTION AUTHORIZING THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH BEECHER ENGINEERING IN AN AMOUNT NOT TO EXCEED \$43,890 FOR RECLAMATION MICROFILTRATION/REVERSE OSMOSIS FACILITY VARIABLE FREQUENCY DRIVE REPLACEMENT

-000-

WHEREAS, the Variable Frequency Drives (VFD) at the Microfiltration/Reverse Osmosis (MF/RO) Facility are at the end of their estimated useful life and have a high probability of failure; and

WHEREAS, the existing VFD model used at the MF/RO Facility has been discontinued by the manufacturer and it is no longer feasible to obtain critical spares of these VFD into the future; and

WHEREAS, electrical engineering services are needed to evaluate alternative VFD platforms and develop designs of electrical modifications to replace VFD when they fail; and

WHEREAS, the Reclamation Management Committee financial stakeholders have provided written approval for the cost of the needed electrical engineering services via email.

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 \$43,890, with Beecher Engineering for Electrical Engineering Services for MF/RO Facility VFD Replacement.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on August 25, 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: James Grover, Principal Accountant

Date: August 25, 2022

Subject: Reserve Fund Balance Annual Adjustment

RECOMMENDATION

It is recommended that the Board of Directors approve a resolution authorizing the adjustment of District fund balances to match the 2022-23 beginning budget balance as follows:

Capital Fund \$ 12,169,660 General O&M Fund \$ 8,626,815

DISCUSSION

This transfer of funds is to realign internal balances, as per policy at the beginning of the fiscal 2022-23 year. The policy provides for this realignment to be made at the start of each budget year and will therefore be reflected in July transactions.

As per Reserve Policy dated March 2010:

Capital Fund: "This fund will maintain a balance in funds equal to or sufficient to cover current year capital budget."

O&M Fund: "Maintain a minimum balance of 100% of the total operating budget."

FISCAL IMPACT

This is an internal transfer of funds only – it is to meet the Reserve Policy requirement to realign fund balances to budget on an annual basis.

The transfer amounts required are:

- Transfer \$3,753,324 from General Operations & Maintenance (O&M) Fund and \$4,254,215 from Capital Improvement Reserve to Capital Fund to bring balance to \$12,169,660.
- Transfer \$3,753,324 from General O&M Fund to Capital Fund to bring balance to \$8,626,815.



RESOLUTION NO. 2022-57

A RESOLUTION AUTHORIZING AN ANNUAL ADJUSTMENT OF THE DISTRICT'S RESERVE FUND BALANCES BY TRANSFERRING \$3,753,324 TO THE CAPITAL FUND AND \$4,254,215 TO THE CAPITAL FUND FROM THE GENERAL OPERATIONS & MAINTENANCE (O&M) FUND AND CAPITAL IMPROVEMENT RESERVE, RESPECTIVELY, IN ACCORDANCE WITH THE DISTRICT'S RESERVE POLICY

-000-

WHEREAS, on March 25, 2010, the Board approved a Reserve Policy that provides for the annual adjustment of the District's Reserve Fund balances to provide funding to: (a) establish a balance in the Capital Fund sufficient to fund the current year's capital budget; and (b) establish a balance in the General Operations & Maintenance (O&M) Fund sufficient to fund 100% of the current year's total operating budget; and

WHEREAS, to fully fund the current year Capital Fund and the General O&M Fund, staff has recommended that the Board authorize the adjustment of the District's Reserve Fund balances by approving an internal budget transfer in the amount of \$3,753,324 to the Capital Fund and in the amount of \$4,254,215 to the Capital Fund from the General O&M Fund and the Capital Improvement Reserve, respectively.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of the Carmel Area Wastewater District that it hereby authorizes the adjustment of the District's Reserve Fund balances and approves the transfer of \$3,753,324 to the Capital Fund and the transfer of \$4,254,215 to the Capital Fund from the General O&M Fund and Capital Improvement Reserve, respectively.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on August 25, 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

Other Items & Information/Discussion

STAFF REPORT

To: Board of Directors

From: Barbara Buikema, General Manager

Date: August 25, 2022

Subject: Summary of Monterey County Treasurer Report dated 06-30-22



RECOMMENDATION

Action required – requesting acceptance of report.

DISCUSSION

The U.S. economy during this period was characterized by the following factors: high inflation, a strong labor market, depressed consumer confidence, and growing potential for an economic recession. The Federal Reserve continues to tighten monetary policy through aggressive interest rate increases to battle persistent inflation. Short-term federal funds rates are projected to reach 3.25% to 3.75% by year end. The Federal Reserve also began its balance sheet reduction this quarter and plans to double the pace of this beginning in September.

On June 30, 2022, the Monterey County investment portfolio contained an amortized book value of \$2,705,970,313 spread among 259 separate securities and funds. The par value of those funds was \$2,713,566,160 with a market value of \$2,638,757,893 or 98% of amortized book value. The portfolio's net earned income yield for the period was 0.71%. The portfolio produced an estimated quarterly income of \$4,603,330 that will be distributed proportionally to all agencies participating in the investment pool. The investment portfolio had a weighted average maturity of 482 days. The County Treasury continues to utilize short term debt to provide portfolio liquidity and enhanced investment opportunities.

PORTFOLIO CHARACTERISTICS				
	12-31-21	03-31-22	06-30-22	
Total Assets	\$2,473,716,071.02	\$2,419,914,130	\$2,713,566,160	
Market Value	\$2,471,600,788.14	\$2,371,225,548	\$2,638,757,893	
Days to	503	505	482	
Maturity				
Yield	0.42%	0.40%	0.71%	
Estimated	\$2,371,429.71	\$2,375,762.59	\$4,603,441	
Earnings				

The Monterey County Treasurer's portfolio consists of fixed income investments, all of which are authorized by the State of California Government Code §53601.

PORTFOLIO ASSET COMPOSITION 06-30-22			
Corporate Notes	11.7%		
Overnight Liquid Assets	20.0%		
US Treasuries	40.4%		
Federal Agencies	13.5%		
Commercial Paper	8.6%		
Negotiable CDs	3.8%		
Supranationals	2.1%		
Municipal Bonds	<0.1%		
Asset Backed Securities	<0.1%		

Future Strategy: Given the evolving market environment, the Treasury continues to strategically invest matured assets while accounting for potential liquidity needs. As market conditions continue to evolve, the portfolio will be actively managed under the tenets of safety and liquidity while seeking to maximize the total rate of return.

The investment portfolio was in compliance with all applicable provisions of state law and the adopted Investment Policy and contained sufficient liquidity to meet all projected outflows over the next six months.

Note: the Monterey County Treasurer Report is available on the Monterey County Treasury <u>website</u>.

Carmel Area Wastewater District

WWTP Elec/Mech Rehab and Sludge Holding Tank Replacement Project

Construction Progress Report

August 8th, 2022

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





SINCE 1908

Section 1: Project Summary

Project Summary				
General Contractor		Clark Bros Inc		
		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	e	\$7,367,539.54		
Open/Pending Potential Change Orders (PCO)		3		
Contract Time				
Notice To Proceed		September 7 th , 2021		
Original Contract Time		550 Calendar Days		
Calendar Days Elapsed	1	335 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 Exp	ended	61%		
Total Project Construction Cost Expended		43% (not including retention)		
Notes:				

Notes:

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

Section 2: Work Performed This Month

2.1 General

Work this month included major shutdowns of WWTP sewage conveyance to install mechanical piping and slide gates installation at the Influent Pump Station and Headworks. The sludge tank structure is nearing completion with installation of guardrails. Mechanical piping work is in early stages at the sludge tank.

2.1.1 Submittals

Submittals reviewed this month included equipment O&M Manuals.

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

Guardrails installation was completed on the stairs and platform. Piping work was ongoing.

2.4 Influent Pump Station Rehab

Two shutdowns of WWTP sewage conveyance were conducted to allow for Clark Bros to install piping for new influent pumps.

2.5 Headworks Rehab

A shutdown of WWTP sewage conveyance was conducted to facilitate installation of new slide gates at the Headworks.

2.6 Chlorination Building Rehab/3W System Improvements

No work observed.

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 has been arriving and will continue to arrive through August.

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	0
Submittals	142	2

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	3	1	NA
Change Orders	1	0	0	\$76,039.54

Section 6: Project Schedule and Budget

6.1 Schedule

A new Baseline CPM Schedule has been submitted. The new schedule reflects realistic equipment delivery dates now that deliveries are starting to arrive.

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 43% (not including retention) of the total approved budget (47% with retention).

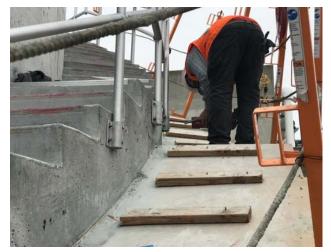
Section 7: Photos

- Sludge Holding Tank Replacement
- Influent Pump Station
- Headworks Rehab

Photos: Sludge Holding Tank Replacement







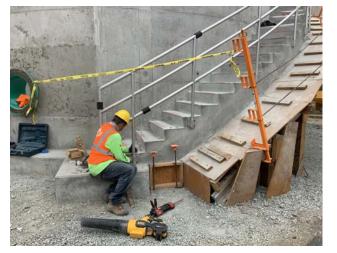








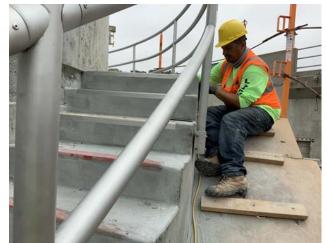




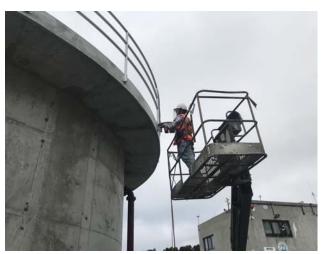












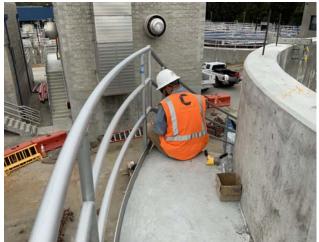
































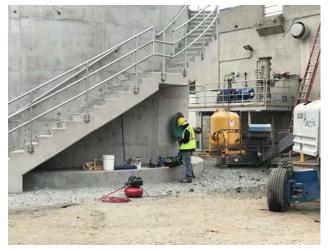




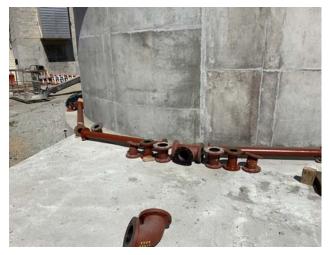








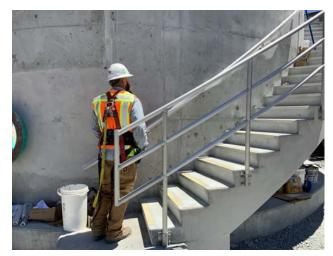




































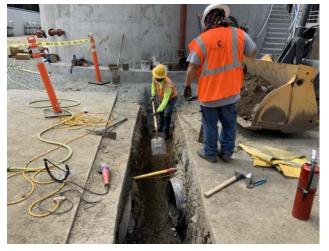








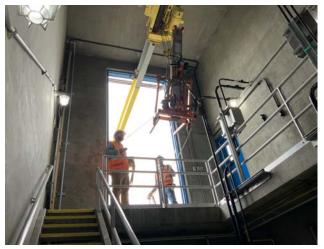




Photos: Influent Pump Station Rehab

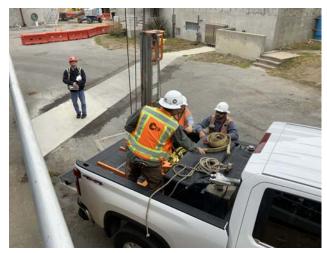




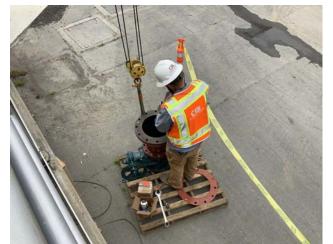
































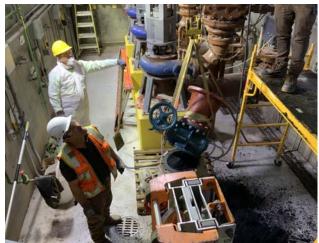
































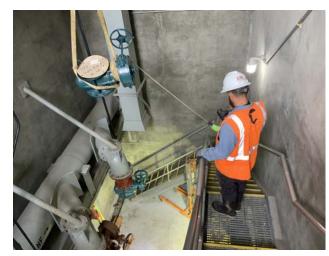






















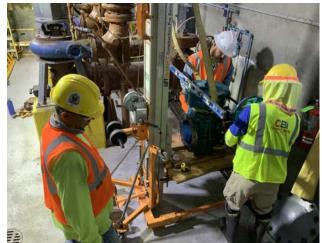


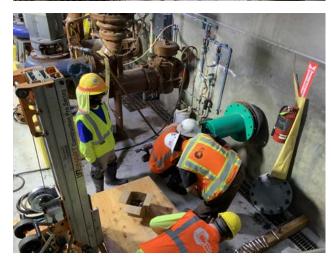










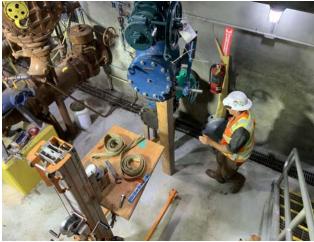


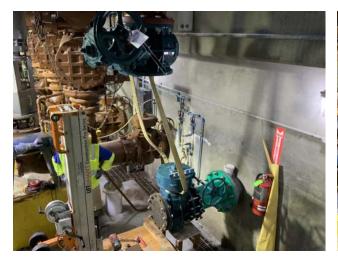














Photos: Headworks Rehab







































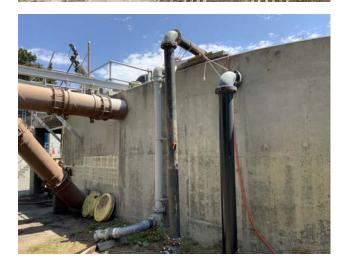






























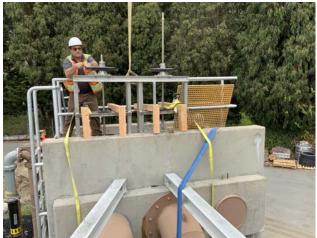






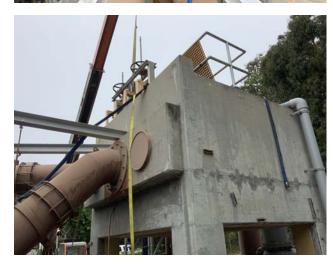












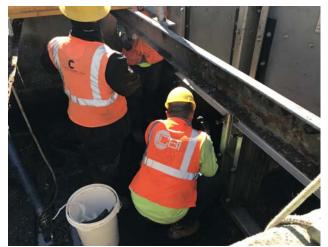






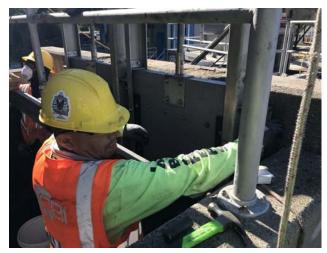
















STAFF REPORT

STAFF	REPORT	REA NASTEWAR
То:	Board of Directors	SIG
From:	Barbara Buikema, General Manager	22 J. SI/NCE 1908.
Date:	August 25, 2022	
Subject:	Pebble Beach Community Services District (PBCSD) - Meeting on July 29, 2022	- Regular Board

DISCUSSION

Agenda items from the July 29, 2022, meeting that are of specific interest to this District:

- Total cash balance at the end of June 2022 was \$27.8M; of that amount \$19.6M 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.
- Total revenues through June 2022 in the cash based budget were \$24.7M or 83% of budget. Total expenditures were \$18.8M or 63% of budget. Total wastewater expenditures were \$2.6M.
- Forest Lake Reservoir is holding 47 million gallons (MG) or 114-acre feet (AF) of recycled water. This represents 41% of the permitted capacity of 115MG. The current storage volume is 31% below the historic average of 68MG or 209AF.
- Average daily wastewater flow of 369,000 gallons per day (GPD) was measured in June at the PBCSD-Carmel gate. This represents 33% of the total flow at the Carmel Area Wastewater District (CAWD) treatment facility. The measured PBCSD flow was 6% below the five-year average of 391,000 GPD for the month of June. The CAWD total flows were 6% below the five-year average of 1,202,000 GPD for June.
- Total irrigation water demand for the 2022 calendar year through June was 588-acre feet (AF). Total demand for the calendar year is 44% above the 5-year average of 408 AF through June. The 2022 irrigation demand to-date through June is 25% above the June 2021 total to-date demand of 472 AF. The month of June reflected a net storage decrease of approximately 25 MG.

- All five alternative source water projects were online and are producing a combined 64,000 GPD. Total production calendar year through mid-July was approximately 8.4 MG. The Pebble Beach Company recently commissioned a sixth alternative source water project a new dry weather diversion facility located adjacent to the 18th fairway of Pebble Beach Golf Links.
- The Board authorized reimbursement to the Pebble Beach Company for an amount not to exceed \$850K to perform pavement restoration activities along a large segment of Forest Lake Road affected by Construction activities related to the Undergrounding Overhead Utilities Project, Phase III Project.
- The Board authorized the General Manager to enter into a contract with Graniterock (or other general contractor) to raise manhole frame and covers impacted by Caltrans paving activities on Highway 68.
- The Board approved a proposal from The Paul Davis Partnership for completing a Facility Assessment and Master Plan at a cost not to exceed \$25K. Scope of this project will include a review of the needs and upgrades made to the existing facility and document suggested improvements and develop a Facility Master Plan.

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%
May - 22	35.091	23.071	12.020	34.254%
Jun - 22	33.717	22.656	11.061	32.805%
Total	440.600	296.365	144.235	32.736%

• Average daily wastewater flows measured in million gallons per day (MG) show:

CARMEL AREA WASTEWATER DISTRICT SUMMARY OF RETIREMENT PENSION PLAN TRUSTEES MEETING HELD – August 4, 2022

A meeting of the Retirement Pension Plan Trustees was held on Tuesday, August 4, 2022, at 1:00 p.m.

Those Present Included:	Rob Wellington, Legal Counsel, Trustee
	Robert Siegfried, Director, Trustee
	Barbara Buikema, General Manager, Trustee
	Haley Hitchman, Hastie Financial Group

Note: This meeting was held via ZOOM software

I. 2nd Quarter 2022 Review

The U.S. equity markets experienced some dramatic selling early and mid-May, primarily on concerns of slowing economic growth. For the month of June, the Dow dropped 6.56%, the S&P 500 lost 8.225%, and the Nasdaq declined 8.65%. Year-to-date the Dow, S&P 500, and Nasdaq have lost -15.31%, 20.58%, and 29.23% respectively. This marks the worst first half of a year since 1962. Nonetheless there is hope for the second half of 2022 – since 1928 there have been 26 bear markets, and the stock market has fully recovered and gone on to finish the year positive each time.

For the quarter 04-01-22 to 06-30-22 the portfolio total weighted return was -12.80%.

The U.S. equity markets rebounded in July for their first solid month of 2022. The gains for the month raised a question – was this the beginning of a market recovery or nothing but a bear market rally? So far, the rally has largely held, but portfolio managers are still divided as to whether this is the beginning of a long-term recovery or a short-term bear market rally.

Inflation continues to dominate the daily national headlines. The Consumer Price Index (CPI) report for May read 8.6%. In August the Bureau of Labor Statistics reports the CPI for the 12 months ended July 2022 fell to 8.5% from a 41-year high of 9.1% in June.

The bond market also enjoyed gains for the month of July, largely driven by falling long-term interest rates. The yield on the 10-year Treasury declined to 2.67% due primarily to investor concerns about slowing economic growth.

This brought long-term interest rates to their lowest level in just over three months, which helped support both the US stock and bond markets.

The gross domestic product (GDP) for the first quarter of 2022 decreased at an annual rate of 1.6%. The Atlanta Fed's forecasting model currently estimates second quarter GDP at -1.2%. If another negative reading occurs, the US economy would fall into a technical recession. The argument for recession is supported by the yield on 2-yr Treasury exceeding that of the 10-yr issue, known as yield curve inversion. The 2-yr/10-yr Treasury curve has inverted 28 times since 1900. In 22 of those instances a recession followed. The yield curve has inverted before every recession since 1955, with a recession following between 6 and 24 months. In 2022, the yield curve first inverted on April 1 and has been going on for more than two months. The argument against a recession in the US is the strong labor market. Unemployment declined to 3.5%, the lowest level since February 2020. The economy, although generating negative GDP, is still growing, and adding jobs.

The Federal Reserve has raised interest rates 4 times in 2022 (03-17-22 +25, 05-05-22 +50, 06-16-22 + 75, and 07-27-22 +75). Some analysts are now seeing a smaller rate increase in September.

II. <u>3rd Quarter Action Plan</u>

Hastie Financial has recommended multiple changes for the 3rd quarter including adding back in foreign markets, mainly Europe and adding an aggregate core bond holding. Short duration will be less impacted by rate increases. Hastie recommends a well-diversified portfolio remains the best path forward.

Hastie is cautiously optimistic about the markets' ability to recover given the recent resilience in the US economy. The question is timing. A change in the economic landscape could delay the recovery even further. Their optimism is reflected in a portfolio that remains broadly diversified in US stocks and bonds with small allocations in foreign stocks.

	Three		Five		Ten	
	Year	S&P 500	Year	S&P 500	Year	S&P 500
Beta (a)	0.65		0.64		0.64	
Standard	12.38	18.64	11.02	16.95	8.90	13.70
Deviation (b)						
Mean	7.17	10.60	7.58	11.31	8.59	12.96
Alpha	-0.19		-0.24		.03	

Portfolio Risk Measures (3-year measure):

(a) Strategy is to maintain Beta in the range of 0.60 - 0.67.

(b) Strategy is to remain at roughly 2/3 of S & P 500, this is inline with current investment objectives.

III. PenChecks

Staff presented PenChecks as an alternative to ADP for our pension payments to retired employees. We currently are paying retirees who reside in three different states – California, Hawaii, and Florida. ADP requires that we provide a state tax account however, since pension distributions are not wages both Hawaii and Florida refuse to issue a number. That means we are currently paying 2 people who live outside of California as if they are California residents.

We investigated the options and found that individual CPA offices are not interested in accepting the liability/responsibility to takeover our pension payments. There are large third party administrators who will take it over if we move everything to them (i.e., investing, actuarial, and payments). PenChecks will take on the payment portion of our pension only at \$72/yr. per participant.

The reason to outsource (as we are doing with ADP) is because is saves the District money. The committee asked that we research PenChecks and determine if there are any adverse judgments against the firm. We will return with this information at our next meeting.

There being no further business, the meeting was adjourned at approximately 2:00 p.m.

Respectfully submitted, Barbara Buikema, General Manager

Carmel Area Wastewater District Defined Benefit Plan

2nd Quarter Performance Review
3rd Quarter 2022 Action Plan
August 4, 2022

53

H F G Hastie Financial Group

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Change in Market Value Register

From 4/1/2022 to 6/30/2022

Carmel Area Was	tewater District F	pt Non Prototyp	e NFS - PPS Custo	om (xxxx4110)						
Account Name	Performance Start Date	Beginning Value with Accrued Interest (\$)	Net Contributions/ Withdrawals (\$)	Total Gains/Losses (\$)	Net Income (\$)	Ending Balance with Accrued Interest (\$)	Net Change (\$)	Performance Stop Date	TWR (%)	TWR Ann. (%)
Carmel Area Wastewater District Ppt Non Prototype NFS - PPS Custom (xxxx4110)	04/01/2022	6,406,527.25	(46,237.92)	(831,725.81)	25,252.89	5,542,638.41	(817,650.92)	06/30/2022	-12.80	
Total	4/1/2022	\$6,406,527.25	(\$46,237.92)	(\$831,725.81)	\$25,252.89	\$5,542,638.41	(\$817,650.92)	6/30/2022		

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2nd Quarter OVERVIEW

Performance Attribution

From 4/1/2022 To 6/30/2022

Carmel Area Wastewater District Ppt Non Prototype NFS - PPS Custom (xxxx4110)

Holdings By Security

Description	Symbol	Start Date	End Date	Beginning Market Value (\$)	Ending Market Value (\$)	Portfolio Avg. Weight (%)	Return % (IRR Gross of Fees)	Est. Return Contribution (%)
Alphasimplex Managed Futures Strategy Fund Cl Y	ASFYX	05/11/2022	06/30/2022	0.00	361,994.18	3.13	3.54	0.11
BlackRock Systematic Multi- Strategy Institutional	BIMBX	04/01/2022	05/11/2022	526,217.42	0.00	3.70	0.20	0.01
Fidelity Govt Money Market Capital Reserves Cl	FZAXX	04/01/2022	06/30/2022	59,636.36	69,777.49	1.15	0.02	0.00
Cash Credit (Debit) Balance	CASH	04/01/2022	06/30/2022	0.00	0.00	-0.07	0.00	0.00
DFA Short-Duration Real Return Portfolio Institutional CI	DFAIX	05/11/2022	06/30/2022	0.00	461,637.33	4.18	-0.97	-0.04
Victory Market Neutral Income Fund CI I	CBHIX	05/11/2022	06/30/2022	0.00	742,588.80	6.79	-1.96	-0.13
Fidelity Advisor Total Bond Fund CI Z	FBKWX	04/01/2022	05/11/2022	440,058.10	0.00	3.09	-4.14	-0.13
Wasatch Emerging India Fund Institutional CI	WIINX	04/01/2022	05/11/2022	116,486.83	0.00	0.82	-15.38	-0.13
Invesco Dynamic Energy Explr & Prod ETF	PXE	06/08/2022	06/30/2022	0.00	85,391.29	0.48	-28.15	-0.14
PGIM U.S. Real Estate Fund- CI Z	PJEZX	04/01/2022	05/11/2022	188,681.82	0.00	1.33	-14.73	-0.20
iShares MSCI Global Energy Producers ETF	FILL	05/11/2022	06/30/2022	0.00	335 <mark>,928.1</mark> 3	3.23	-6.90	-0.22
Columbia Commodity Strategy Fund Advisor Cl	CCOMX	05/11/2022	06/30/2022	0.00	266,382.81	2.61	-8.56	-0.22
Congress Small-Cap Growth Fund Retail Cl	CSMVX	04/01/2022	05/11/2022	175,811.86	0.00	1.24	-17.37	-0.22
Baird Intermediate Bond Fund CI Institutional	BIMIX	04/01/2022	06/30/2022	634,790.30	348,264.88	7.72	-3.05	-0.24
iShares Morningstar Mid-Cap Growth ETF	IMCG	04/01/2022	05/13/2022	199,930.53	0.00	1.42	-16.97	-0.24

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Performance Attribution

From 4/1/2022 To 6/30/2022

Carmel Area Wastewater District Ppt Non Prototype NFS - PPS Custom (xxxx4110)

Holdings By Security

				Beginning	Ending	Portfolio Avg.	Return % (IRR Gross	Est. Return
Description	Symbol	Start Date	End Date		Market Value (Š)		of Fees)	Contribution (%)
Vanguard Consumer Discretionary Index Fund CI Administrative	VCDAX	04/01/2022	05/11/2022	191,104.27	0.00	1.35	-21.19	-0.29
PGIM High-Yield Fund- CI Z	PHYZX	04/01/2022	05/31/2022	545,795.73	0.00	3.95	-7.97	-0.31
MFS Mid-Cap Value Fund CI I	MCVIX	04/01/2022	06/30/2022	288,596.29	108,503.92	3.81	-9.11	-0.35
Nuveen Floating Rate Income Fund CI I	NFRIX	04/01/2022	06/30/2022	259,106.30	563,014.16	7.09	-5.46	-0.39
PGIM Jennison International Opportunities Fund- CI Z	PWJZX	04/01/2022	05/11/2022	262,219.93	0.00	1.85	-21.21	-0.39
Bridgeway Small-Cap Value Fund	BRSVX	04/01/2022	06/30/2022	288,697.70	220,605.38	4.35	-14.30	-0.62
JPMorgan Large-Cap Growth Fund CI I	SEEGX	04/01/2022	06/30/2022	440,863.87	160,451.11	5.19	-23.01	-1.20
Columbia Contrarian Core Fund Advisor Cl	CORRX	04/01/2022	06/30/2022	505,215.85	399,271.16	7.86	-16.59	-1.30
Neuberger Berman Large-Cap Value Fund Institutional CI	NBPIX	04/01/2022	06/30/2022	503,583.42	764,996.49	11.16	-12.04	-1.34
iShares Core S&P 500 ETF	IVV	04/01/2022	06/30/2022	779,730.69	653,831.28	12.48	-16.15	-2.01
Grand Total				\$6,406,527.25	\$5,542,638.41		-12.64	



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MORNINGSTAR STYLE BOX ANALYSIS: 2ND QUARTER 2022

	Value	Blend	
	Russell 1000 Value	Russell 1000 Total Return	Russel
Large	-12.21%	-16.67%	-
	Russell Mid Cap Value	Russell Mid Cap Total Return	Russell I
Mid	-14.68%	-16.85%	-
	Russell 2000 Value	Russell 2000 Total Return	Russel
Small	-15.28%	-17.20%	-

Market Environment

□ Interest rate increases

- May: 50 bps (0.50%)
- June: 75 bps (0.75%)

□ Q2 GDP: -0.9% (advance estimate)

□ Continued growth sector decline

□ Inflation steadily increasing (June: 9.1%)

Actions Taken

□ Maintain allocation shift from

Growth to Value



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Growth

ell 1000 Growth

-20.92%

Mid Cap Growth

-21.07%

ell 2000 Growth

-19.25%

□ Maintain holdings in large cap blend

Index	1Q2022	2Q2022	YTD to 6/30/22
Bloomberg U.S. Aggregate Bond	-5.93%	-4.69%	-10.35%
Bloomberg U.S. Corporate Bond	-7.69%	-7.26%	-14.39%
Bloomberg U.S. Government 1 – 3 <u>Yr</u>	-2.50%	-0.52%	-3.01%
Bloomberg U.S. Intermediate Bond	-4.19%	-1.65%	-5.77%
Bloomberg U.S. Government/Credit Long Term	-10.95%	-12.27%	-21.88%

Market Environment

- □ Rising interest rates vs bond prices
- □ Historical negative equity-bond correlation
- □ 2022 rare broad losses in equity and bond markets

Positions Taken

- **D** Bond proxies
 - Managed futures •
 - Market neutral ٠



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FIXED INCOME INDICES

□ Shortened duration to minimize

effects of rising interest rates

□ Sell:

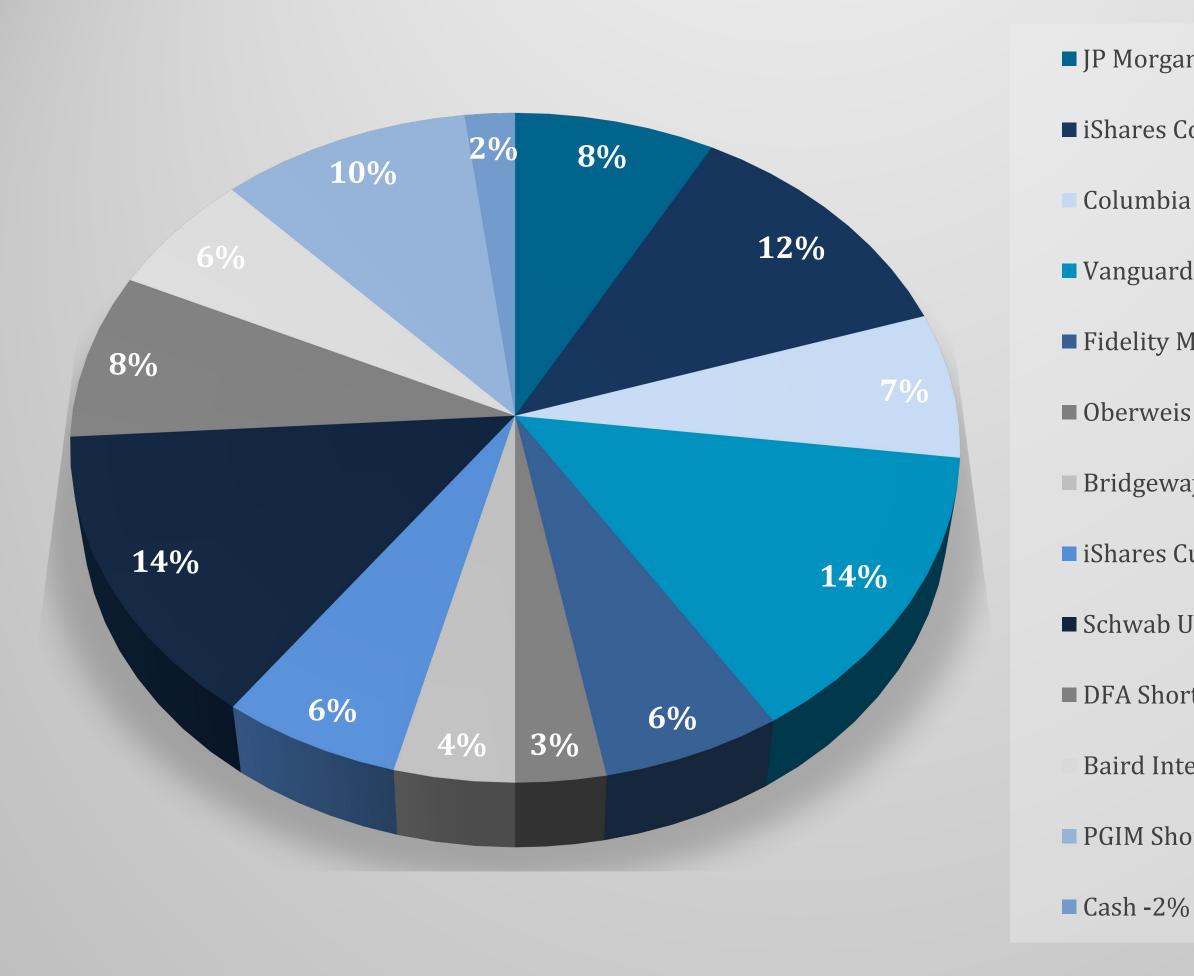
- Columbia Commodities Strategy
- iShares MSCI Global Energy
- Invesco Dynamic Energy
- Neuberger Berman Large Value \bullet
- MFS Mid Cap Value
- AlphaSimplex Managed Futures
- Victory Market Neutral
- Nuveen Floating Rate Income

Rebalance the rest of the portfolio

Buy:

- Vanguard Value ETF
- Fidelity Mid Cap lacksquare
- **Oberweis Small-Cap Growth**
- iShares Currency Hedged EAFE ETF
- Schwab US Aggregate Bond ETF
- PGIM Short-Duration High Yield







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3rd Quarter 2022 Overall Portfolio

- JP Morgan Large Cap Growth 8%
- iShares Core S&P 500 12%
- Columbia Contrarian Core 7%
- Vanguard Value ETF 14%
- Fidelity Mid Cap Stock 6%
- Oberweis Small-Cap Growth 3%
- Bridgeway Small-Cap Value 4%
- iShares Currency Hedged EAFE ETF 6%
- Schwab US Aggregate Bond ETF 14%
- DFA Short-Duration Bond 8%
 - Baird Intermediate Bond 6%
- PGIM Short-Duration High-Yield 10%

BETA:

A measure of volatility (risk) relative to the Standard & Poor's 500 Index. Beta of 1.0 indicates risk equal to that of the Standard & Poor's 500 Index over a given period of time, usually 3, 5 and 10 years. Beta of less than 1.0 indicates risk less than that of the S&P 500 Index.

	<u>3 Year</u>	5 Year	
CAWD Portfolio	0.65	0.64	





10 Year 0.64

Mutual Fund/ETF	3-Year Beta
JP Morgan Large Cap Growth	1.08
iShares Core S&P 500	1.00
Columbia Contrarian Core	0.98
Vanguard Value ETF	0.89
Fidelity Mid Cap Stock	1.04
Oberweiss Small-Cap growth	1.10
Bridgeway Small-Cap Value	1.09
iShares Currency Hedged EAFE ETF	0.78
DFA Short Duration Bond	0.31
Baird Intermediate Bond	0.72
PGIM Short-Duration High-Yield	0.75



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Net Expense Ratio
0.69
0.03
0.75
0.04
0.85
1.25
0.92
0.35
0.22
0.30
0.75

STANDARD DEVIATION:

Another measure of volatility (risk). A higher Standard Deviation indicates a higher degree of volatility (risk) over a given period of time, usually 3, 5 and 10 years. We will compare the CAWD Portfolio with the S&P 500 Index.

	<u>3 Year</u>	5 Year	
CAWD Portfolio	12.38	11.02	
Standard & Poor's 500 Index	18.64	16.95	



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10 Year 8.90

13.70

MEAN:

Mean return over a given period of time, usually 3, 5 and 10 years. We will compare the CAWD Portfolio with the S&P 500 Index.

	<u>3 Year</u>	5 Year
CAWD Portfolio	7.17	7.58
Standard & Poor's 500 Index	10.60	11.31



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<u>10 Year</u> 8.59

12.96

ALPHA:

A measure of risk-adjusted returns. An Alpha of 0 indicates a return proportionate to the degree of risk taken. A positive Alpha indicates a return generated in excess of the degree of risk taken.

	<u>3 Year</u>	5 Year	10
CAWD Portfolio	-0.19	-0.24	0.



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Year .03