



CARMEL AREA WASTEWATER DISTRICT

Regular Board Meeting

3945 Rio Road, Carmel, CA 93923

May 27, 2021
Thursday
9:00AM



Carmel Area Wastewater District

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

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

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

COVID-19 Public Meeting Procedures

As per the Governor's Executive Order #N-29-20 (March 17, 2020) the following will be in effect until rescinded.

- CAWD will not make a physical location available from which members of the public may observe and offer public comment.
- All CAWD public meetings shall take place via teleconferencing and shall be posted on the District website (www.cawd.org) and allow members of the public to attend and address the meeting electronically.
- The District will give advance notice of all teleconference meeting as prescribed by the Brown Act
- The public may listen to the meeting by logging on to the District website and clicking on the Virtual Webinar.
- Public comment may be submitted 24 hours prior to the meeting by clicking on the "Public Comment Form" listed directly beneath the Virtual Webinar on our website. If received within 24 hours of the meeting we will ensure that a response is given at the meeting. All participants have access during the meeting to be recognized and utilize the platform to speak. Please use the virtual "raised hand" to be acknowledged.
- The District is requesting that the public submit comments at least 24 hours in advance of the scheduled meeting to enable staff to post all comment on the District web site. Any comment received after this time will be posted after the Board meeting.
- The teleconference Board meeting will require that all voting is done by roll call
- The teleconference Board meeting will require that speakers identify themselves prior to addressing other attendees in order to facilitate the flow of the meeting and minimize confusion.
- The District advises that the public refer to our website periodically for updates regarding the District and Board activity.

In recognition of

TREVOR WEIDNER-HOLLAND

for outstanding professional accomplishments

CRYSTAL CRUCIBLE



PROTECTING CALIFORNIA'S MOST
CRITICAL RESOURCE

A handwritten signature in blue ink, appearing to read 'Wendy Wert', written over a horizontal line.

Wendy Wert, CWEA President
2020-2021





LOG IN

MEMBERSHIP

EVENTS

ABOUT



AWARDS

CAREERS

CERTIFICATION

Trevor Weidner-Holland

Category: Laboratory

Home > Awards > Crystal Crucible > 2020-2021 Winner



Trevor Weidner-Holland

First Place

Monterey Bay Section

Trevor Weidner-Holland
Laboratory Analyst II
Carmel Area Wastewater District
Email: Holland@cawd.org
Office Telephone: (831) 257-0432
Cell Phone: (831) 277-1353

Trevor is an experienced Laboratory Analyst with more than 20 years experience in water quality analysis and has worked at Carmel Area Wastewater district for over 11 years. He is skilled in Laboratory Information Systems, Instrumentation Research, Microsoft Access, Environmental Compliance, Laboratory Management, and Customer Service Education. He is also trained in Hazardous Materials response and Confined Space Rescue. Trevor is a strong research professional with a Bachelor of Science (B.S) focused in Earth System Science and Policy with a strong emphasis to Chemistry from California State University, Monterey Bay.

Purpose

The Laboratory committee recognizes significant participation in Wastewater Analysis, Education and Planning within a Wastewater Laboratory, along with 10 years of membership in CWEA. The nominee for this award must promote pride and safety in the workplace, teamwork, education and the promotion of professionalism in the wastewater laboratory field.



**CARMEL AREA WASTEWATER DISTRICT (CAWD)
SPECIAL MEETING OF THE PENSION
COMMITTEE MINUTES
April 28, 2021 at 2:00 p.m.
Via "ZOOM"**

CALL TO ORDER - ROLL CALL The meeting commenced at 2:02 p.m.

Present: Director Michael Rachel, Trustee & Committee member
Director Robert Siegfried, Trustee & Committee member
Legal Counsel, Robert Wellington, Trustee & Committee member
General Manager, Barbara Buikema, Trustee & Committee member

Absent: None

Others: N/A

AGENDA ITEMS:

Information/Discussion Items:

The Committee Discussed recommendations of Section 115 Trust options to be presented at the regular Board Meeting of April 29, 2021.

ADJOURNMENT: *There being no further business to come before the Committee, the meeting concluded at 2:20 p.m. The next Regular Board Meeting will be held at 9:00 a.m., Thursday, April 29, 2021, 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



**CARMEL AREA WASTEWATER DISTRICT
REGULAR BOARD MEETING MINUTES
*Thursday, 9:00 a.m., April 29, 2021***

Teleconference Webinar
(See California Executive Order N-29-20 during Covid-19 Pandemic)

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

Present: Directors: Greg D' Ambrosio, Robert Siegfried, Charlotte Townsend, Michael Rachel, and President Ken White

Absent: None

A quorum was present.

Others: Via Zoom

Barbara Buikema, General Manager, Carmel Area Wastewater District (CAWD)
Rachél Lather, District Engineer, CAWD
Patrick Treanor, Plant Engineer, CAWD
Ed Waggoner, Plant Superintendent, CAWD
Chris Foley, Maintenance Superintendent, CAWD
Daryl Lauer, Collections Superintendent, CAWD
Domine Barringer, Administrative Assistant/Board Clerk, CAWD
Kristina Pacheco, Administrative Assistant/Board Clerk, CAWD
Rob Wellington, Wellington Law Offices, CAWD Legal Counsel
Peter McKee, Director, Pebble Beach Community Services District (PBCSD)
Mike Niccum, General Manager, PBCSD
Stuart MacDonald, member of the public
Lillian Hull, Corona Road annexation supporter
Kate Daniels, Corona Road annexation supporter

1. Public Comments:

No Public Comment

2. Agenda Changes:

No Agenda Changes

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

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

- 3.** March 25, 2021 Regular Board Meeting Minutes, April 15, 2021 Salary & Benefits Committee Meeting Minutes & April 20, 2021 Pension Committee Meeting Minutes
- 4.** Bank Statement Review by Hayashi Wayland for March 2021
- 5.** Schedule of Cash Receipts & Disbursements for March 2021
- 6.** Register of Disbursements - Carmel Area Wastewater District for March 2021
- 7.** Register of Disbursements – CAWD/PBCSD Reclamation Project for March 2021
- 8.** Financial Statements and Supplementary Schedules for March 2021
- 9.** Collection System Superintendent’s Report for March, February & January 2021
- 10.** Safety and Regulatory Compliance Report for March 2021
- 11.** Treatment Facility Operations Report for March, February & January 2021
- 12.** Laboratory/Environmental Compliance Report for March 2021
- 13.** Capital Projects Report/Implementation Plan
- 14.** Project Summaries
- 15.** Plant Operations Report for March 2021
- 16.** Maintenance Projects Report for March 2021
- 17.** Principal Engineer Monthly Report General Engineering for March 2021

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

- 18. Resolution No. 2021-15;** Report by Principal Engineer, Rachél Lather

Board Action

After brief discussion, a motion to approve the resolution was made by Director Rachel and seconded by Director D’Ambrosio. Following a Roll Call vote, the Board unanimously passed Resolution 2021-15, authorizing the General Manager to invite bids for the “2021 Pipeline Spot Repairs Project” #21-02.

- 19. Resolution No. 2021-16; Resolution No. 2021-17 & Resolution No. 2021-18**
Single report by Principal Engineer, Rachél Lather

Brief public comment in support of the assessment district was given by Kate Daniels and Lillian Hull (family member & resident respectively).

Board Action

After brief discussion, a motion to approve Resolution 2021-16 was made by Director Siegfried and seconded by Director Rachel. Following a Roll Call vote, the Board unanimously passed Resolution 2021-16, authorizing the General Manager to enter into agreements with residents of Corona Road to manage the consulting work to prepare for the formation of a Sewer Assessment District.

A motion to approve Resolution 2021-17 was made by President White and seconded by Director Rachel. Following a Roll Call vote, the Board unanimously passed Resolution 2021-17, authorizing the General Manager to contract with Monterey Bay Engineers, Inc. for engineering services for the Corona Road Assessment District project #18-21 for \$41,500.

A motion to approve Resolution 2021-18 was made by Director Siegfried and seconded by Director D'Ambrosio. Following a Roll Call vote, the Board unanimously passed Resolution 2021-18, authorizing the General Manager to contract with Denise Duffy & Associates for environmental consulting services for the Corona Road Assessment District project #18-21 for \$25,900.

- 20. Resolution No. 2021-19; Report by Plant Engineer, Patrick Treanor**

Board Action

After brief discussion, a motion to approve the resolution was made by Director Rachel and seconded by Director Townsend. Following a Roll Call vote, the Board unanimously passed Resolution 2021-19, adopting a Mitigated Negative Declaration for the "Eucalyptus Tree Pruning" project #21-01.

- 21. Resolution No. 2021-20; Report by Plant Engineer, Patrick Treanor**

Board Action

After brief discussion, a motion to approve the resolution was made by Director D'Ambrosio and seconded by Director Siegfried. Following a Roll Call vote, the Board unanimously passed Resolution 2021-20, authorizing a Notice of Intent to adopt a Mitigated Negative Declaration (MND) for project #19-21 – "CRFREE Mitigation Pipeline Undergrounding Project" and circulate a draft MND for public comment.

- 22. Resolution No. 2021-21;** Report by Plant Engineer, Patrick Treanor

Board Action

After extensive discussion, a motion to approve the resolution was made by Director Siegfried and seconded by Director Rachel. Following a Roll Call vote, the Board unanimously passed Resolution 2021-21, authorizing the General Manager to amend a contract with Kennedy Jenks Consultants for \$26,810 for additional engineering design services for the “WWTP Elec/Mech Rehab and Sludge Holding Tank Replacement” project #18-01.

- 23. Resolution No. 2021-22;** Report by Plant Engineer, Patrick Treanor

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 2021-22, authorizing the General Manager to invite bids for the construction of “Wastewater Treatment Plant (WWTP) Elec/Mech Rehab and Sludge Holding Tank Replacement” project #18-01.

- 24. Resolution No. 2021-23;** Report by General Manager, Barbara Buikema

Board Action

A motion to table the resolution was made by Director Siegfried and seconded by Director Rachel. Following a Roll Call vote, the Board unanimously tabled Resolution 2021-23 indefinitely.

- 25. Resolution No. 2021-24;** 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 2021-24, amending the negotiation deadline to May 17, 2021 for the General Manager to sign the Upper Rancho Canada Pipe Relocation project #19-13 construction contract.

OTHER ITEMS BEFORE THE BOARD

- 26. Municipal Service Review (MSR) and Sphere of Influence (SOI) Study by Local Agency Formation Commission (LAFCO);** Report by General Manager, Barbara Buikema
Board Action

Board Action

A motion to accept was made by Director Townsend and seconded by Director Rachel. Following a Roll Call vote, the Board unanimously accepted the MSR and SOI study from LAFCO.

27. Rio Road cross bore settlement agreement with the County of Monterey; Report by General Manager, Barbara Buikema

Board Action

After extensive discussion, a motion to remove language “may have” from the agreement and prepare a cover letter to the County indicating the public discussion had occurred during this Board meeting and the displeasure by the Board of the settlement was made by President White and seconded by Director Rachel. Following a Roll Call vote, the motion failed 2 votes to 3. A second motion was made by Director D’Ambrosio and seconded by Director Siegfried to reject the settlement agreement. Following a Roll Call vote, the Board unanimously voted to reject the settlement offered by the County of Monterey.

Counsel advised for the addition of a Closed Session Agenda item for the next Regular Board Meeting as an item of possible litigation.

28. 2021 Job Description Physical Requirements Update; Report by Maintenance Superintendent, Chris Foley

Board Action

A motion to accept was made by Director Rachel and seconded by Director D’Ambrosio. Following a Roll Call vote, the Board unanimously accepted the job description updates.

COMMUNICATIONS

29. General Manager Report - oral report
- A. Taco Truck Day on May 5, 2021 at the District plant.
 - B. Summary of the COVID-19 vaccine clinic, 2nd dose, on April 20, 2021 at the District plant.

INFORMATION/DISCUSSION ITEMS

30. PBCSD March Board meeting was cancelled so no report given.
31. Special District Association Meeting of April 20, 2021 – Report by General Manager, Barbara Buikema
32. Pension Committee Meeting of April 20, 2021 – Report by General Manager, Barbara Buikema
33. Announcements on subjects of interest to the Board made by members of the Board or Staff
- The General Manager from PBCSD expressed gratitude to CAWD and the aid given during a recent crisis that left them short staffed.
 - Director Rachel is scheduled to attend the April 30, 2021 PBCSD Board meeting and Director Siegfried is scheduled to attend the May 28, 2021 PBCSD Board meeting.

- Director Townsend is scheduled to attend the July 20, 2021 Special Districts Association of Monterey County meeting.
- President White and Director Townsend are scheduled to attend the Reclamation Management Committee meeting on May 11, 2021.

34. ADJOURNMENT

There being no further business to come before the Board, the President adjourned the meeting at 10:45 a.m. The next Regular Meeting will be held at 9:00 a.m., Thursday, May 27, 2021, or an alternate acceptable date, via teleconference webinar. The teleconference webinar is hosted through Zoom and you may receive access by visiting our website, www.cawd.org, calling the District office at 831-624-1248 or via email at downstream@cawd.org.

As Reported To:

Domine Barringer, Secretary to the Board

APPROVED:

Ken White, President



HAYASHI | WAYLAND

INDEPENDENT ACCOUNTANTS' REPORT

May 18, 2021

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 April 2021. 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 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 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.



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

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



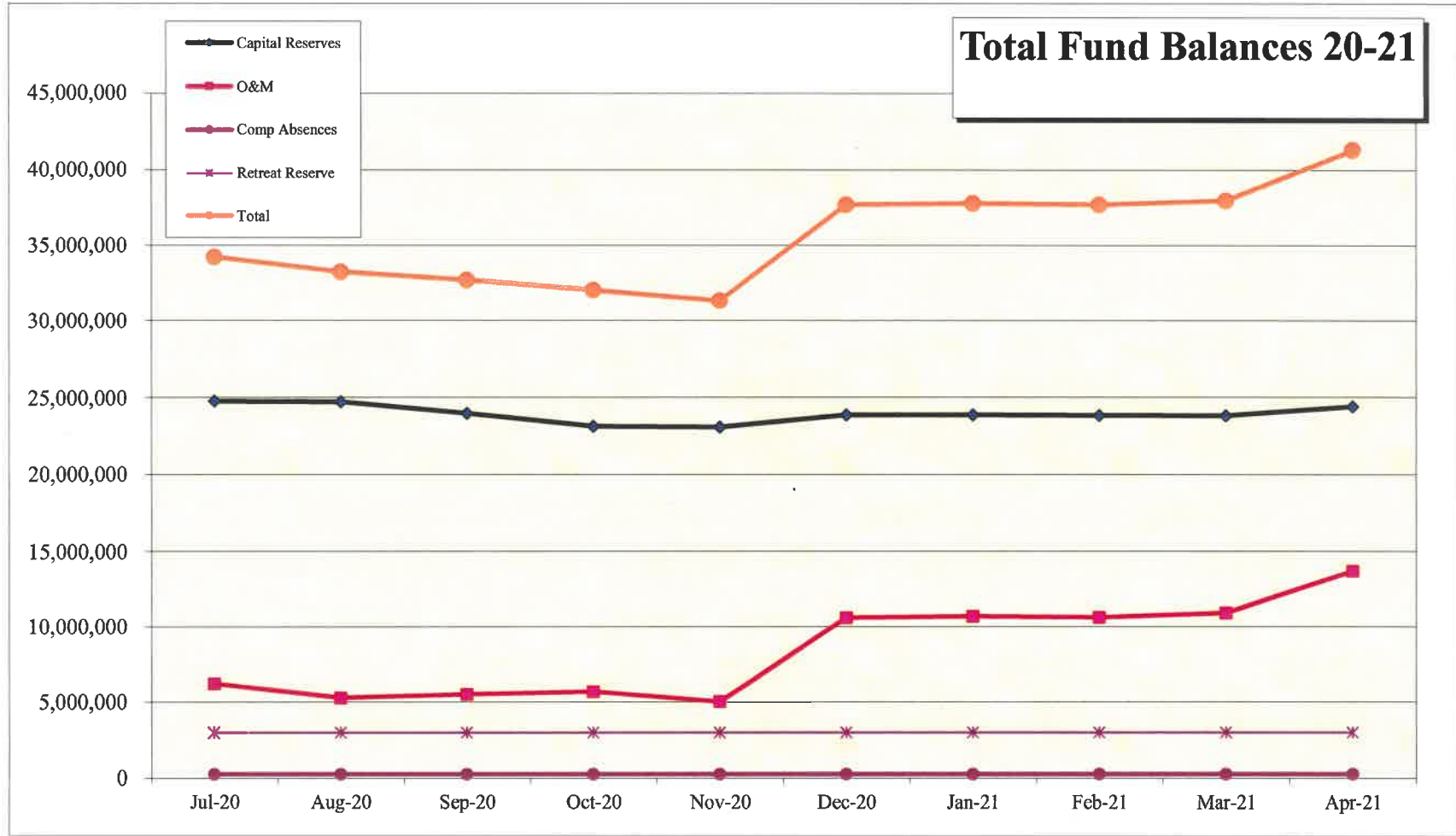
Robert Lee, CPA
Partner
Hayashi Wayland

Cc: Mr. Ken White, President

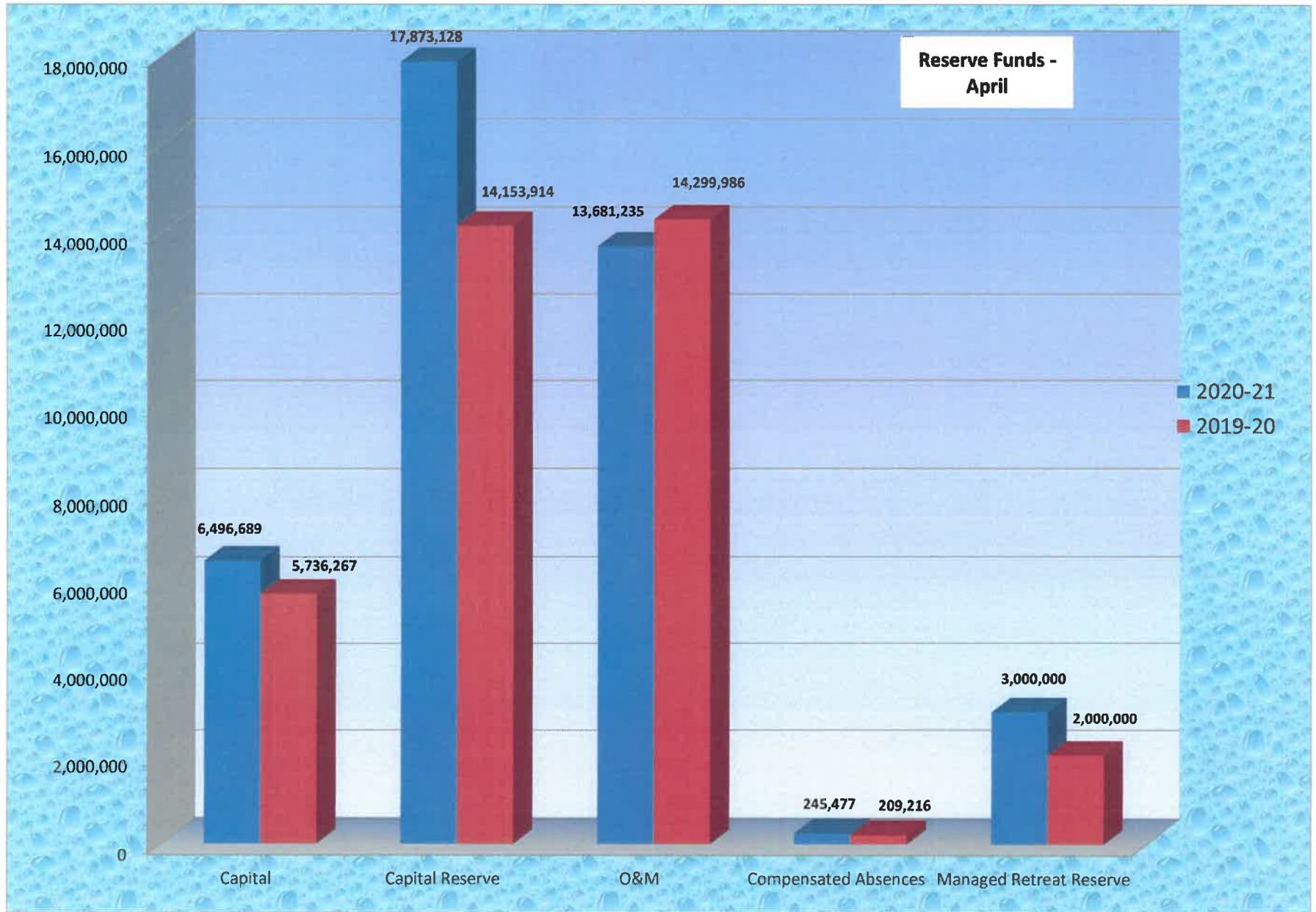


Carmel Area Wastewater District
Schedule of Cash Receipts and Disbursements - APRIL 2021

	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	\$6,701,472	\$17,085,499	\$10,897,624	\$245,477	\$3,000,000	\$37,930,071	\$274,818	\$116,824	\$1,193,588
Receipts:									
User Fees			3,121,208						
Property Taxes		787,629							
PBCSD Treatment Fees									
Reclamation O & M reimbursement									
Reclamation capital billing									
Permits							1,045		
PBCSD capital billing									
Other misc. revenue									
Interest income			83,101						1,304
Connection Fees									
CCLEAN receipts							7,500		
CRFree Project grant funds									
CSRMA PLP ins. dividend									
Yankee Point Study deposit									
Void checks-replace lost check								139	
Total Receipts	0	787,629	3,204,309	0	0	3,991,938	8,545	139	1,304
Fund Transfers:									
Transfers to Chase Bank O&M	(204,783)		(395,217)				600,000		
Transfers to Chase Bank PR							(215,000)	215,000	
Transfer from Chase Bank Defined Benefit									
Intra-fund transfers for capital expenditures									
Rebalance Capital and O&M Reserves									
Total Transfers	(204,783)	0	(395,217)	0	0	(600,000)	385,000	215,000	0
Disbursements:									
Operations and capital							524,781		
Payroll & payroll taxes								217,602	
Employee Dental reimbursements							932		
CALPERS EFT							34,968		
CAWD SAM pension EFT							0		
CAWD pension loans EFT							587		
Home Depot EFT							269		
US Bank EFT							10,873		
Deferred comp contributions EFT							11,966	0	
PEHP contributions EFT							3,158	0	
Bank/ADP fees							0	499	
Highlands Bond Debt Service Payment									
Annual County admin billing fee			25,481						
Unfunded CALPERS liability									
GASB 68 report fee & SSA 218 fee									
Total Disbursements	0	0	25,481	0	0	25,481	587,536	218,101	0
BALANCE END OF MONTH	6,496,689	17,873,128	13,681,235	245,477	3,000,000	41,296,529	80,827	113,862	1,194,892



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



Carmel Area Wastewater District
Disbursements
Apr-21

Date	Check	Vendor	Description	Amount
04/01/21	1387	American Fidelity Assurance Company	Flex accounts	111.53
04/01/21	1388	American Lock & Key	Admin Building Modifications-COVID-19 #20-01 (CAPITAL)	132.48
04/01/21	1389	AT&T CALNET 3	Plant and admin alarm lines	77.80
04/01/21	1390	Barbara Buikema	Kitchen supplies	5.38
04/01/21	1391	BTJ Enterprises	Wipes mailer postage and printing	2,800.06
04/01/21	1392	Christopher Dinner Heating	Install furnace flue and repair blower motor at admin	2,315.14
04/01/21	1393	Cintas Corporation	Laundry service	1,158.33
04/01/21	1394	C S C of Salinas	Collection supplies	178.68
04/01/21	1395	Culligan Water	C&I Exchange service for lab	17.35
04/01/21	1396	Downtown Ford Sales	New Ford F350 with Royal Crane Body (CAPITAL)	81,813.63
04/01/21	1397	Edges Electrical	Admin Building Modifications-COVID-19 #20-01 (CAPITAL \$53.78) and electrical supplies	632.96
04/01/21	1398	Equitable Financial Life Insurance	Life insurance, long-term and short-term disability premiums	2,610.93
04/01/21	1399	Exceedio	Install maintenance training module	110.00
04/01/21	1400	FGL Environmental	Inorganic sample analysis	291.00
04/01/21	1401	First Alarm	Quarterly alarm service	552.39
04/01/21	1402	Fisher Scientific	Lab supplies	569.82
04/01/21	1403	Gavilan/Salinas Crane & Rigging	Hoist rental to lift clarifier arms	1,200.00
04/01/21	1404	Global Equipment Company	Ultra tech spill berms	3,115.98
04/01/21	1405	ICONIX Waterworks	Sewer saddle for Collections	111.10
04/01/21	1406	Jack Doheny Companies	Adapter-cbl/cam	1,876.96
04/01/21	1407	Johnson Marigot Consulting	CRFREE Mitigation Pipeline Undergrounding project #19-21	11,843.00
04/01/21	1408	McMaster-Carr	Operating supplies	796.56
04/01/21	1409	Patelco Credit Union	Health savings accounts contributions	5,203.69
04/01/21	1410	Potter's Electronics	Battery connections	131.10
04/01/21	1411	Quill LLC	Office supplies	701.29
04/01/21	1412	Raymond DeOcampo	Dental	154.00
04/01/21	1413	Robert Siegfried	Dental	240.00
04/01/21	1414	Ryan Process, Inc.	Operating supplies	484.77
04/01/21	1415	Scarborough Lumber & Building	Admin Building Modifications-COVID-19 #20-01 (CAPITAL \$96.59) and Collections supplies	147.94
04/01/21	1416	Toyota Material Handling	New accelerator	194.61
04/01/21	1417	Trowbridge Enterprises	Admin bookcase	274.76
04/01/21	1418	ULINE	Storage racks for maintenance	1,144.46
04/01/21	1419	United Rentals (North America)	Rental of articulating boom lift	4,055.50
04/01/21	1420	Vision Service Plan	Vision insurance premium	616.00
04/01/21	1421	World Water Works, Inc.	Mechanical seal for Nikuni pump	853.29
04/14/21	1422	American Fidelity Assurance Company	Flex accounts	111.53
04/14/21	1423	American Fidelity Assurance	Employee insurance premiums	586.16
04/14/21	1424	Applied Industrial Technologies	Cross-step/shelf ladder	398.56
04/14/21	1425	AT&T	Admin alarm	44.63
04/14/21	1426	Biobot Analytics	Influent sample testing	1,400.00
04/14/21	1427	Bryan Mailey Electric	Morot/pump testing, generator wiring, blower building receptacles, Admin Building Modifications-COVID #20-01 (CAPITAL \$1,074.70), install generator plug at 8th and Scenic, receptacle at Highlands and repair generator at Hacienda	7,374.70
04/14/21	1428	Buckles-Smith Electric	Highlands electrical parts and maintenance supplies	2,550.09
04/14/21	1429	Cal-Am Water	Monthly service	808.42
04/14/21	1430	Carmel Marina Corporation	Admin garbage and Plant rolloffs	1,052.83
04/14/21	1431	Central Coast VNA and Hospice	COVID vaccination clinic fee at the Plant	250.00
04/14/21	1432	Cintas Corporation	Laundry service	353.03
04/14/21	1433	Coast Counties Glass	Admin Building Modifications-COVID-19 #20-01 (CAPITAL)	18,181.78
04/14/21	1434	Datco Services	Quarterly service fees	146.25

Carmel Area Wastewater District
Disbursements
Apr-21

Date	Check	Vendor	Description	Amount
04/14/21	1435	Domine Barringer	Reimburse mileage to pick up office supplies	8.06
04/14/21	1436	Edges Electrical	Electrical supplies	1,397.02
04/14/21	1437	El Camino Machine & Welding	Aluminum flat stock	737.12
04/14/21	1438	Exceedio	Standby Power Reliability Project #18-08 (CAPITAL \$1,886.89) and annual server warranty	3,136.57
04/14/21	1439	Fastenal Company	Operating and safety supplies	554.59
04/14/21	1440	Ferguson Enterprises LLC	Operating supplies	74.36
04/14/21	1441	G3 Engineering	Polymer Feed System (CAPITAL)	19,527.53
04/14/21	1442	Grainger	Gasket	2.35
04/14/21	1443	Hayashi & Wayland Accounting	Bank reconciliation oversight	375.00
04/14/21	1444	ICON Cloud Solutions	Monthly telephone service	596.51
04/14/21	1445	ICONIX Waterworks	90 Long Radius 36" SXS for Collections	279.50
04/14/21	1446	Jack Doheny Companies	Repair camera head	1,215.30
04/14/21	1447	JM Squared Associates	Parts for two Fairbanks Morse 12" Model 5710	17,523.91
04/14/21	1448	Liberty Composting	Sludge hauling	5,288.92
04/14/21	1449	MBS Business Systems	Quarterly copier billing for admin	683.87
04/14/21	1450	McMaster-Carr	Operating supplies	47.54
04/14/21	1451	Monterey Auto Supply	Battery and exhaust bandage	182.32
04/14/21	1452	Murphy Austin Adams Schoenfeld LLP	Legal services-Monterey County option agreement-CRFREE Mitigation Pipeline Undergrounding project #19-21	416.50
04/14/21	1453	Peninsula Welding & Medical Supply	Non-liquid cylinders rent	103.20
04/14/21	1454	PK Safety Supply	Replace calibration gas cylinder-ammonia	620.18
04/14/21	1455	Precision Combustion	Microturbine/Gas Conditioning System Project #18-11 (CAPITAL)	4,579.41
04/14/21	1456	Pure Water	Monthly service	171.00
04/14/21	1457	Quill LLC	Office supplies	274.73
04/14/21	1458	Robert Siegfried	Replace returned Director fees	1,431.43
04/14/21	1459	Sherwin Williams Company	Black paint and supplies	88.39
04/14/21	1460	Smitty's Janitorial	Plant service	900.00
04/14/21	1461	Streamline	Website maintenance	400.00
04/14/21	1462	Town & Country Gardening	Plant and admin monthly service	610.00
04/14/21	1463	Univar Solutions USA Inc.	Sodium bisulfate and hypochlorite	11,326.94
04/14/21	1464	The UPS Store	Return camera equipment	72.03
04/22/21	1465	Allied Fluid Products	Aluminum camlock	130.74
04/22/21	1466	Applied Marine Sciences	March CCLEAN expenses	34,763.98
04/22/21	1467	AT&T Mobility	Cell and mobile device service	1,335.18
04/22/21	1468	Bryan Mailey Electric	Install timers, cart charging area at blower building, demo generator wiring, new conduit and ethernet cable to front gate, doorbell for the Admin Building COVID Modifications project #20-01 (CAPITAL \$280.00) and Hacienda generator work	7,848.38
04/22/21	1469	Buckles-Smith Electric	Electrical supplies for the pump stations	10,705.20
04/22/21	1470	Burleson Consulting	CEQA review service for the Eucalyptus Pruning project, #21-01	768.00
04/22/21	1471	CAWD/PBSCD Reclamation Project	Reimbursement for tertiary lab PG&E	427.80
04/22/21	1472	Cintas Corporation	Laundry service	722.10
04/22/21	1473	Clark Pest Control	Plant service	273.00
04/22/21	1474	Comcast	Admin internet	234.05
04/22/21	1475	Comcast	Pump stations internet	537.35
04/22/21	1476	Del Monte Gardeners	Remove three trees from the trail and manhole area on Canada Way	1,000.00
04/22/21	1477	Edges Electrical	Electrical supplies	626.56
04/22/21	1478	Exceedio	Laser printer for the lab	716.63
04/22/21	1479	Ferguson Enterprises LLC	PVC pipe	123.52
04/22/21	1480	Fisher Scientific	Lab supplies	1,244.50
04/22/21	1481	Frisch Engineering	SCADA and PLC engineering	3,000.00
04/22/21	1482	GLS US	Shipping costs for samples	91.64

**Carmel Area Wastewater District
Disbursements
Apr-21**

Date	Check	Vendor	Description	Amount
04/22/21	1483	Grainger	Rear view mirror mounting kit	20.21
04/22/21	1484	Gregory Ange	Dental	239.65
04/22/21	1485	Karla Cristi	Dental	298.80
04/22/21	1486	Kennedy/Jenks Consultants	Stormwater permit consulting services, project 20-02	9,206.07
04/22/21	1487	McMaster-Carr	Operating supplies	55.66
04/22/21	1488	Microgenics Corp.	Lab supplies	855.18
04/22/21	1489	Monterey Auto Supply	V-belt for the belt press conveyor	54.60
04/22/21	1490	Pacific Gas & Electric	Monthly service	29,526.53
04/22/21	1491	Public Agency Coalition Enterprise	Health insurance premium	33,068.22
04/22/21	1492	Quinn Company	Caterpillar portable diesel generator for Collections (CAPITAL)	77,156.00
04/22/21	1493	Salinas Custom Gate	EDI detector plug-in and loop sensor	908.00
04/22/21	1494	Solenis LLC	Praestol K 144 L-NA IBC polymer	4,298.04
04/26/21	1495	American Fidelity Assurance Company	Flex accounts	111.53
04/26/21	1496	Applied Marine Sciences	CCLEAN expenses	72,290.28
04/26/21	1497	Direct TV	Monthly service	88.99
04/26/21	1498	Fisher Scientific	Lab supplies	186.68
04/26/21	1499	Hach Company	Lab supplies	395.72
				525,713.54

CAWD/PBCSD Reclamation Project
Disbursements
Apr-21

Date	Check	Vendor	Description	Amount
04/01/21	237	Gavilan/Salinas Crane & Rigging	Hoist to pull motor 932	300.00
04/01/21	238	Norcal Molecular, LLC	Belzona super metal power pack	3,818.48
04/01/21	239	Trussell Technologies	MF/RO Ops Support project	457.50
04/14/21	240	Bryan Mailey Electric	Hypo metering pump, MF submersible feed and pump 932 motor	3,220.00
04/14/21	241	Cal-Am Water	Hydrant Meter K monthly service	2,554.58
04/14/21	242	Craig Evans Pump Testing Service	CLA valves for trains A, B & C	1,789.00
04/14/21	243	Grainger	Vacuum breaker	374.44
04/14/21	244	Myron L Company	Annual equipment service	268.07
04/14/21	245	Pacific Water Resources	Pump parts-ball bearings, mechanical seal, oil seals, gasket impeller, o-ring adapters	3,229.79
04/14/21	246	Pebble Beach Company	Bond principal and interest, letter of credit fees current and past and project rep costs	256,939.21
04/14/21	247	Pebble Beach Community Services District	O&M reimbursement	31,647.83
04/14/21	248	Professional Water Technologies	Micron RO prefilters	2,312.69
04/14/21	249	T&T Valve and Instrument	Wafer check valves and a Bray actuator rebuild kit	3,393.78
04/14/21	250	USA Blue Book	Suction cup assembly	255.10
04/22/21	251	Brenntag Pacific	Ammonium hydroxide	3,932.89
04/22/21	252	Bryan Mailey Electric	Tertiary main switchgear	280.00
04/22/21	253	Carmel Area Wastewater District	O&M, sodium hypochlorite and bisulfate and Reclamation's share of the Polymer Feed System	78,010.91
04/22/21	254	Pacific Gas & Electric	Tertiary	9,180.31
04/22/21	255	Solenis LLC	Praestol K 144 L-NA IBC polymer	8,596.09
04/22/21	256	Winsupply Monterey County	IPS flange and spool	1,127.10
04/26/21	257	Fisher Scientific	Lab supplies	186.67
				411,874.44



**Financial Statements
and
Supplementary Schedules**

April 2021

May 27, 2021

Carmel Area Wastewater District

Balance Sheet

April 2021

ASSETS

Current Assets

Cash

Cash

42,686,109.83

TOTAL Cash

42,686,109.83

Other Current Assets

Other Current Assets

539,517.51

TOTAL Other Current Assets

539,517.51

TOTAL Current Assets

43,225,627.34

Fixed Assets

Land

Land

308,059.76

TOTAL Land

308,059.76

Treatment Structures

Treatment Structures

70,358,452.24

TOTAL Treatment Structures

70,358,452.24

Treatment Equipment

Treatment Equipment

8,646,960.95

TOTAL Treatment Equipment

8,646,960.95

Collection Structures

Collection Structures

1,238,843.71

TOTAL Collection Structures

1,238,843.71

Collection Equipment

Collection Equipment

1,026,408.97

TOTAL Collection Equipment

1,026,408.97

Sewers

11,119,419.83

Disposal Facilities

Disposal Facilities

1,643,890.85

TOTAL Disposal Facilities

1,643,890.85

Other Fixed Assets

Other Fixed Assets

4,478,694.65

TOTAL Other Fixed Assets

4,478,694.65

Capital Improvement Projects

Capital Improvement Projects

4,218,203.21

TOTAL Capital Improvement Projects

4,218,203.21

Accumulated depreciation

(51,069,397.63)

TOTAL Fixed Assets

51,969,536.54

Other Assets

Other Assets

969,624.57

TOTAL Other Assets

969,624.57

TOTAL ASSETS

96,164,788.45

Carmel Area Wastewater District

Balance Sheet

April 2021

LIABILITIES

Current Liabilities		
Current Liabilities	280,129.86	
TOTAL Current Liabilities	280,129.86	280,129.86
Long-Term Liabilities		
Long Term Liabilities	892,520.50	
TOTAL Long-Term Liabilities	892,520.50	892,520.50
TOTAL LIABILITIES		1,172,650.36
NET POSITION		
Net Assets	87,268,148.73	
Year-to-Date Earnings	7,723,989.36	
TOTAL NET POSITION	94,992,138.09	94,992,138.09
TOTAL LIABILITIES & NET POSITION		96,164,788.45

Carmel Area Wastewater District
Budgeted Income Statement
Year-to-Date Variance, April 2021 - current month, Consolidated by
account

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
Income				
Revenue	10,525,944.94	9,957,265.10	568,679.84	5.7 %
TOTAL Income	<u>10,525,944.94</u>	<u>9,957,265.10</u>	<u>568,679.84</u>	5.7 %
Adjustments				
Discounts	202.24	0.00	202.24	
TOTAL Adjustments	<u>202.24</u>	<u>0.00</u>	<u>202.24</u>	
*****	<u>10,526,147.18</u>	<u>9,957,265.10</u>	<u>568,882.08</u>	5.7 %
***** OPERATING INCOME	<u>10,526,147.18</u>	<u>9,957,265.10</u>	<u>568,882.08</u>	5.7 %
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	2,924,388.19	2,894,559.50	(29,828.69)	-1.0 %
TOTAL Salaries and Payroll Taxes	<u>2,924,388.19</u>	<u>2,894,559.50</u>	<u>(29,828.69)</u>	-1.0 %
Employee Benefits				
Employee Benefits	1,365,479.32	681,666.98	(683,812.34)	-100.3 %
TOTAL Employee Benefits	<u>1,365,479.32</u>	<u>681,666.98</u>	<u>(683,812.34)</u>	-100.3 %
Director's Expenses				
Director's Expenses	16,598.53	30,816.60	14,218.07	46.1 %
TOTAL Director's Expenses	<u>16,598.53</u>	<u>30,816.60</u>	<u>14,218.07</u>	46.1 %
Truck and Auto Expenses				
Truck and Auto Expenses	56,526.27	69,706.90	13,180.63	18.9 %
TOTAL Truck and Auto Expenses	<u>56,526.27</u>	<u>69,706.90</u>	<u>13,180.63</u>	18.9 %
General and Administrative				
General and Administrative	342,412.83	679,791.00	337,378.17	49.6 %
TOTAL General and Administrative	<u>342,412.83</u>	<u>679,791.00</u>	<u>337,378.17</u>	49.6 %
Office Expense				
Office Expense	28,788.24	49,591.70	20,803.46	41.9 %
TOTAL Office Expense	<u>28,788.24</u>	<u>49,591.70</u>	<u>20,803.46</u>	41.9 %
Operating Supplies				
Operating Supplies	299,366.77	349,984.90	50,618.13	14.5 %
TOTAL Operating Supplies	<u>299,366.77</u>	<u>349,984.90</u>	<u>50,618.13</u>	14.5 %
Contract Services				
Contract Services	690,330.65	1,106,603.50	416,272.85	37.6 %
TOTAL Contract Services	<u>690,330.65</u>	<u>1,106,603.50</u>	<u>416,272.85</u>	37.6 %

Carmel Area Wastewater District
Budgeted Income Statement
Year-to-Date Variance, April 2021 - current month, Consolidated by account

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
Repairs and Maintenance				
<i>Repairs and Maintenance</i>	301,546.46	511,375.00	209,828.54	41.0 %
TOTAL Repairs and Maintenance	301,546.46	511,375.00	209,828.54	41.0 %
Utilities				
<i>Utilities</i>	305,951.49	408,976.50	103,025.01	25.2 %
TOTAL Utilities	305,951.49	408,976.50	103,025.01	25.2 %
Travel and Meetings				
<i>Travel and Meetings</i>	8,064.44	66,416.50	58,352.06	87.9 %
TOTAL Travel and Meetings	8,064.44	66,416.50	58,352.06	87.9 %
Permits and Fees				
<i>Permits and Fees</i>	65,842.50	83,812.00	17,969.50	21.4 %
TOTAL Permits and Fees	65,842.50	83,812.00	17,969.50	21.4 %
Memberships and Subscriptions				
<i>Memberships and Subscriptions</i>	32,434.40	48,277.40	15,843.00	32.8 %
TOTAL Memberships and Subscriptions	32,434.40	48,277.40	15,843.00	32.8 %
Safety				
<i>Safety</i>	97,502.88	171,729.30	74,226.42	43.2 %
TOTAL Safety	97,502.88	171,729.30	74,226.42	43.2 %
Other Expenses				
<i>Other Expense</i>	32,816.48	37,583.40	4,766.92	12.7 %
TOTAL Other Expenses	32,816.48	37,583.40	4,766.92	12.7 %
TOTAL Operating Expenses	6,568,049.45	7,190,891.18	622,841.73	8.7 %
***** OPERATING INCOME (LOSS)	3,958,097.73	2,766,373.92	1,191,723.81	43.1 %
Non-op Income, Expense, Gain or Loss				
Other Income or Gain				
<i>Other Income, Gain, Expense and Loss</i>	3,765,891.63	2,299,251.75	1,466,639.88	63.8 %
TOTAL Other Income or Gain	3,765,891.63	2,299,251.75	1,466,639.88	63.8 %
TOTAL Non-op Income, Expense, Gain or Loss	3,765,891.63	2,299,251.75	1,466,639.88	63.8 %
***** NET INCOME (LOSS)	7,723,989.36	5,065,625.67	2,658,363.69	52.5 %
***** NET INCOME (LOSS)	7,723,989.36	5,065,625.67	2,658,363.69	52.5 %

Carmel Area Wastewater District
Budgeted Operating Expenses-Maintenance
*Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 4*

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
*****	0.00	0.00	0.00	
***** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	400,823.39	484,055.00	83,231.61	17.2 %
TOTAL Salaries and Payroll Taxes	400,823.39	484,055.00	83,231.61	17.2 %
Employee Benefits				
Employee Benefits	252,341.43	135,634.88	(116,706.55)	-86.0 %
TOTAL Employee Benefits	252,341.43	135,634.88	(116,706.55)	-86.0 %
Truck and Auto Expenses				
Truck and Auto Expenses	1,981.08	19,758.40	17,777.32	90.0 %
TOTAL Truck and Auto Expenses	1,981.08	19,758.40	17,777.32	90.0 %
General and Administrative				
General and Administrative	16,703.07	62,500.00	45,796.93	73.3 %
TOTAL General and Administrative	16,703.07	62,500.00	45,796.93	73.3 %
Office Expense				
Office Expense	1,610.91	5,208.30	3,597.39	69.1 %
TOTAL Office Expense	1,610.91	5,208.30	3,597.39	69.1 %
Operating Supplies				
Operating Supplies	39,048.83	42,583.40	3,534.57	8.3 %
TOTAL Operating Supplies	39,048.83	42,583.40	3,534.57	8.3 %
Contract Services				
Contract Services	284,623.21	558,950.10	274,326.89	49.1 %
TOTAL Contract Services	284,623.21	558,950.10	274,326.89	49.1 %
Repairs and Maintenance				
Repairs and Maintenance	186,415.37	253,250.00	66,834.63	26.4 %
TOTAL Repairs and Maintenance	186,415.37	253,250.00	66,834.63	26.4 %
Utilities				
Utilities	4,469.00	3,833.30	(635.70)	-16.6 %
TOTAL Utilities	4,469.00	3,833.30	(635.70)	-16.6 %
Travel and Meetings				
Travel and Meetings	3,804.62	7,833.30	4,028.68	51.4 %

Carmel Area Wastewater District
Budgeted Operating Expenses-Maintenance
Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 4

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
TOTAL Travel and Meetings	3,804.62	7,833.30	4,028.68	51.4 %
Permits and Fees				
<i>Permits and Fees</i>	4,444.00	6,500.00	2,056.00	31.6 %
TOTAL Permits and Fees	4,444.00	6,500.00	2,056.00	31.6 %
Memberships and Subscriptions				
<i>Memberships and Subscriptions</i>	3,179.30	3,900.00	720.70	18.5 %
TOTAL Memberships and Subscriptions	3,179.30	3,900.00	720.70	18.5 %
Safety				
<i>Safety</i>	30,954.39	74,958.40	44,004.01	58.7 %
TOTAL Safety	30,954.39	74,958.40	44,004.01	58.7 %
Other Expenses				
<i>Other Expense</i>	1,667.00	0.00	(1,667.00)	
TOTAL Other Expenses	1,667.00	0.00	(1,667.00)	
TOTAL Operating Expenses	1,232,065.60	1,658,965.08	426,899.48	25.7 %
***** OPERATING INCOME (LOSS)	(1,232,065.60)	(1,658,965.08)	426,899.48	25.7 %
***** NET INCOME (LOSS)	(1,232,065.60)	(1,658,965.08)	426,899.48	25.7 %
***** NET INCOME (LOSS)	(1,232,065.60)	(1,658,965.08)	426,899.48	25.7 %

Carmel Area Wastewater District
Budgeted Operating Expenses-Collections
*Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 5*

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
*****	0.00	0.00	0.00	
***** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	517,864.22	512,401.94	(5,462.28)	-1.1 %
TOTAL Salaries and Payroll Taxes	517,864.22	512,401.94	(5,462.28)	-1.1 %
Employee Benefits				
Employee Benefits	320,015.77	153,160.56	(166,855.21)	-108.9 %
TOTAL Employee Benefits	320,015.77	153,160.56	(166,855.21)	-108.9 %
Truck and Auto Expenses				
Truck and Auto Expenses	52,744.95	48,126.60	(4,618.35)	-9.6 %
TOTAL Truck and Auto Expenses	52,744.95	48,126.60	(4,618.35)	-9.6 %
General and Administrative				
General and Administrative	80,557.08	36,833.30	(43,723.78)	-118.7 %
TOTAL General and Administrative	80,557.08	36,833.30	(43,723.78)	-118.7 %
Office Expense				
Office Expense	6,258.59	7,583.40	1,324.81	17.5 %
TOTAL Office Expense	6,258.59	7,583.40	1,324.81	17.5 %
Operating Supplies				
Operating Supplies	34,730.52	25,833.30	(8,897.22)	-34.4 %
TOTAL Operating Supplies	34,730.52	25,833.30	(8,897.22)	-34.4 %
Contract Services				
Contract Services	136,801.06	149,550.00	12,748.94	8.5 %
TOTAL Contract Services	136,801.06	149,550.00	12,748.94	8.5 %
Repairs and Maintenance				
Repairs and Maintenance	65,886.01	185,833.40	119,947.39	64.5 %
TOTAL Repairs and Maintenance	65,886.01	185,833.40	119,947.39	64.5 %
Utilities				
Utilities	34,282.23	33,041.70	(1,240.53)	-3.8 %
TOTAL Utilities	34,282.23	33,041.70	(1,240.53)	-3.8 %
Travel and Meetings				
Travel and Meetings	924.23	15,962.40	15,038.17	94.2 %

Carmel Area Wastewater District
Budgeted Operating Expenses-Collections
*Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 5*

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
TOTAL Travel and Meetings	924.23	15,962.40	15,038.17	94.2 %
Permits and Fees				
Permits and Fees	6,038.00	5,950.00	(88.00)	-1.5 %
TOTAL Permits and Fees	6,038.00	5,950.00	(88.00)	-1.5 %
Memberships and Subscriptions				
Memberships and Subscriptions	2,723.89	2,061.70	(662.19)	-32.1 %
TOTAL Memberships and Subscriptions	2,723.89	2,061.70	(662.19)	-32.1 %
Safety				
Safety	11,688.16	52,712.60	41,024.44	77.8 %
TOTAL Safety	11,688.16	52,712.60	41,024.44	77.8 %
Other Expenses				
Other Expense	3,404.60	166.70	(3,237.90)	-1942.4 %
TOTAL Other Expenses	3,404.60	166.70	(3,237.90)	-1942.4 %
TOTAL Operating Expenses	1,273,919.31	1,229,217.60	(44,701.71)	-3.6 %
***** OPERATING INCOME (LOSS)	(1,273,919.31)	(1,229,217.60)	(44,701.71)	-3.6 %
***** NET INCOME (LOSS)	(1,273,919.31)	(1,229,217.60)	(44,701.71)	-3.6 %
***** NET INCOME (LOSS)	(1,273,919.31)	(1,229,217.60)	(44,701.71)	-3.6 %

Carmel Area Wastewater District
Budgeted Operating Expenses-Treatment
*Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 6*

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
*****	0.00	0.00	0.00	
***** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	983,658.36	948,192.40	(35,465.96)	-3.7 %
TOTAL Salaries and Payroll Taxes	983,658.36	948,192.40	(35,465.96)	-3.7 %
Employee Benefits				
Employee Benefits	537,549.20	279,580.80	(257,968.40)	-92.3 %
TOTAL Employee Benefits	537,549.20	279,580.80	(257,968.40)	-92.3 %
Truck and Auto Expenses				
Truck and Auto Expenses	1,459.26	442.00	(1,017.26)	-230.1 %
TOTAL Truck and Auto Expenses	1,459.26	442.00	(1,017.26)	-230.1 %
General and Administrative				
General and Administrative	142,335.85	355,249.40	212,913.55	59.9 %
TOTAL General and Administrative	142,335.85	355,249.40	212,913.55	59.9 %
Office Expense				
Office Expense	9,641.62	21,083.30	11,441.68	54.3 %
TOTAL Office Expense	9,641.62	21,083.30	11,441.68	54.3 %
Operating Supplies				
Operating Supplies	215,578.71	269,651.60	54,072.89	20.1 %
TOTAL Operating Supplies	215,578.71	269,651.60	54,072.89	20.1 %
Contract Services				
Contract Services	184,971.36	310,053.30	125,081.94	40.3 %
TOTAL Contract Services	184,971.36	310,053.30	125,081.94	40.3 %
Repairs and Maintenance				
Repairs and Maintenance	25,621.58	57,874.90	32,253.32	55.7 %
TOTAL Repairs and Maintenance	25,621.58	57,874.90	32,253.32	55.7 %
Utilities				
Utilities	211,499.16	353,922.40	142,423.24	40.2 %
TOTAL Utilities	211,499.16	353,922.40	142,423.24	40.2 %
Travel and Meetings				
Travel and Meetings	2,182.07	24,537.50	22,355.43	91.1 %

Carmel Area Wastewater District
Budgeted Operating Expenses-Treatment
*Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 6*

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
TOTAL Travel and Meetings	2,182.07	24,537.50	22,355.43	91.1 %
Permits and Fees				
<i>Permits and Fees</i>	30,863.50	37,162.00	6,298.50	16.9 %
TOTAL Permits and Fees	30,863.50	37,162.00	6,298.50	16.9 %
Memberships and Subscriptions				
<i>Memberships and Subscriptions</i>	2,646.03	5,900.00	3,253.97	55.2 %
TOTAL Memberships and Subscriptions	2,646.03	5,900.00	3,253.97	55.2 %
Safety				
<i>Safety</i>	53,210.31	41,666.70	(11,543.61)	-27.7 %
TOTAL Safety	53,210.31	41,666.70	(11,543.61)	-27.7 %
Other Expenses				
<i>Other Expense</i>	0.00	1,666.70	1,666.70	100.0 %
TOTAL Other Expenses	0.00	1,666.70	1,666.70	100.0 %
TOTAL Operating Expenses	2,401,217.01	2,706,983.00	305,765.99	11.3 %
***** OPERATING INCOME (LOSS)	(2,401,217.01)	(2,706,983.00)	305,765.99	11.3 %
***** NET INCOME (LOSS)	(2,401,217.01)	(2,706,983.00)	305,765.99	11.3 %
***** NET INCOME (LOSS)	(2,401,217.01)	(2,706,983.00)	305,765.99	11.3 %

Carmel Area Wastewater District
Budgeted Operating Expenses-Admin.
*Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 7*

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
*****	0.00	0.00	0.00	
***** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	550,560.60	498,062.20	(52,498.40)	-10.5 %
TOTAL Salaries and Payroll Taxes	550,560.60	498,062.20	(52,498.40)	-10.5 %
Employee Benefits				
Employee Benefits	255,572.92	113,290.74	(142,282.18)	-125.6 %
TOTAL Employee Benefits	255,572.92	113,290.74	(142,282.18)	-125.6 %
Director's Expenses				
Director's Expenses	16,198.53	30,116.60	13,918.07	46.2 %
TOTAL Director's Expenses	16,198.53	30,116.60	13,918.07	46.2 %
Truck and Auto Expenses				
Truck and Auto Expenses	340.98	1,379.90	1,038.92	75.3 %
TOTAL Truck and Auto Expenses	340.98	1,379.90	1,038.92	75.3 %
General and Administrative				
General and Administrative	87,454.78	225,208.30	137,753.52	61.2 %
TOTAL General and Administrative	87,454.78	225,208.30	137,753.52	61.2 %
Office Expense				
Office Expense	11,247.53	15,716.70	4,469.17	28.4 %
TOTAL Office Expense	11,247.53	15,716.70	4,469.17	28.4 %
Operating Supplies				
Operating Supplies	412.22	1,500.00	1,087.78	72.5 %
TOTAL Operating Supplies	412.22	1,500.00	1,087.78	72.5 %
Contract Services				
Contract Services	77,723.61	88,050.10	10,326.49	11.7 %
TOTAL Contract Services	77,723.61	88,050.10	10,326.49	11.7 %
Repairs and Maintenance				
Repairs and Maintenance	11,574.51	4,166.70	(7,407.81)	-177.8 %
TOTAL Repairs and Maintenance	11,574.51	4,166.70	(7,407.81)	-177.8 %
Utilities				
Utilities	17,555.30	18,179.10	623.80	3.4 %

Carmel Area Wastewater District
Budgeted Operating Expenses-Admin.
Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 7

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
TOTAL Utilities	17,555.30	18,179.10	623.80	3.4 %
Travel and Meetings				
Travel and Meetings	1,153.52	18,083.30	16,929.78	93.6 %
TOTAL Travel and Meetings	1,153.52	18,083.30	16,929.78	93.6 %
Permits and Fees				
Permits and Fees	17,397.00	22,000.00	4,603.00	20.9 %
TOTAL Permits and Fees	17,397.00	22,000.00	4,603.00	20.9 %
Memberships and Subscriptions				
Memberships and Subscriptions	23,885.18	36,415.70	12,530.52	34.4 %
TOTAL Memberships and Subscriptions	23,885.18	36,415.70	12,530.52	34.4 %
Safety				
Safety	1,650.02	1,558.30	(91.72)	-5.9 %
TOTAL Safety	1,650.02	1,558.30	(91.72)	-5.9 %
Other Expenses				
Other Expense	27,744.88	35,750.00	8,005.12	22.4 %
TOTAL Other Expenses	27,744.88	35,750.00	8,005.12	22.4 %
TOTAL Operating Expenses	1,100,471.58	1,109,477.64	9,006.06	0.8 %
***** OPERATING INCOME (LOSS)	(1,100,471.58)	(1,109,477.64)	9,006.06	0.8 %
***** NET INCOME (LOSS)	(1,100,471.58)	(1,109,477.64)	9,006.06	0.8 %
***** NET INCOME (LOSS)	(1,100,471.58)	(1,109,477.64)	9,006.06	0.8 %

Carmel Area Wastewater District
Budgeted Operating Expenses-Reclamation
*Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 8*

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
*****	0.00	0.00	0.00	
***** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	468,854.71	445,792.06	(23,062.65)	-5.2 %
TOTAL Salaries and Payroll Taxes	468,854.71	445,792.06	(23,062.65)	-5.2 %
Director's Expenses				
Director's Expenses	400.00	700.00	300.00	42.9 %
TOTAL Director's Expenses	400.00	700.00	300.00	42.9 %
General and Administrative				
General and Administrative	15,362.05	0.00	(15,362.05)	
TOTAL General and Administrative	15,362.05	0.00	(15,362.05)	
Office Expense				
Office Expense	29.59	0.00	(29.59)	
TOTAL Office Expense	29.59	0.00	(29.59)	
Operating Supplies				
Operating Supplies	9,596.49	7,083.30	(2,513.19)	-35.5 %
TOTAL Operating Supplies	9,596.49	7,083.30	(2,513.19)	-35.5 %
Contract Services				
Contract Services	5,061.41	0.00	(5,061.41)	
TOTAL Contract Services	5,061.41	0.00	(5,061.41)	
Repairs and Maintenance				
Repairs and Maintenance	6,850.37	3,583.30	(3,267.07)	-91.2 %
TOTAL Repairs and Maintenance	6,850.37	3,583.30	(3,267.07)	-91.2 %
Utilities				
Utilities	38,145.80	0.00	(38,145.80)	
TOTAL Utilities	38,145.80	0.00	(38,145.80)	
Safety				
Safety	0.00	833.30	833.30	100.0 %
TOTAL Safety	0.00	833.30	833.30	100.0 %
TOTAL Operating Expenses	544,300.42	457,991.96	(86,308.46)	-18.8 %

Carmel Area Wastewater District
Budgeted Operating Expenses-Reclamation
*Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 8*

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
***** OPERATING INCOME (LOSS)	(544,300.42)	(457,991.96)	(86,308.46)	-18.8 %
***** NET INCOME (LOSS)	(544,300.42)	(457,991.96)	(86,308.46)	-18.8 %
***** NET INCOME (LOSS)	(544,300.42)	(457,991.96)	(86,308.46)	-18.8 %

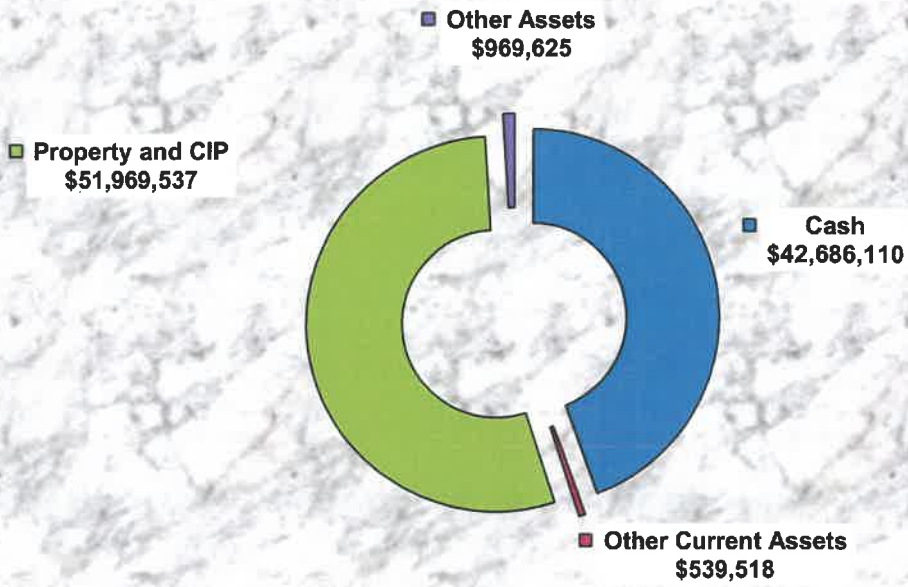
Carmel Area Wastewater District
Budgeted Income Stmt.-Waste to Energy
Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 9

	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
Income				
Revenue	4,184.00	7,083.30	(2,899.30)	-40.9 %
TOTAL Income	4,184.00	7,083.30	(2,899.30)	-40.9 %
*****	4,184.00	7,083.30	(2,899.30)	-40.9 %
***** OPERATING INCOME	4,184.00	7,083.30	(2,899.30)	-40.9 %
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	1,708.26	4,485.90	2,777.64	61.9 %
TOTAL Salaries and Payroll Taxes	1,708.26	4,485.90	2,777.64	61.9 %
Operating Supplies				
Operating Supplies	0.00	2,083.30	2,083.30	100.0 %
TOTAL Operating Supplies	0.00	2,083.30	2,083.30	100.0 %
Repairs and Maintenance				
Repairs and Maintenance	4,198.37	2,916.70	(1,281.67)	-43.9 %
TOTAL Repairs and Maintenance	4,198.37	2,916.70	(1,281.67)	-43.9 %
Permits and Fees				
Permits and Fees	7,100.00	12,200.00	5,100.00	41.8 %
TOTAL Permits and Fees	7,100.00	12,200.00	5,100.00	41.8 %
TOTAL Operating Expenses	13,006.63	21,685.90	8,679.27	40.0 %
***** OPERATING INCOME (LOSS)	(8,822.63)	(14,602.60)	5,779.97	39.6 %
***** NET INCOME (LOSS)	(8,822.63)	(14,602.60)	5,779.97	39.6 %
***** NET INCOME (LOSS)	(8,822.63)	(14,602.60)	5,779.97	39.6 %

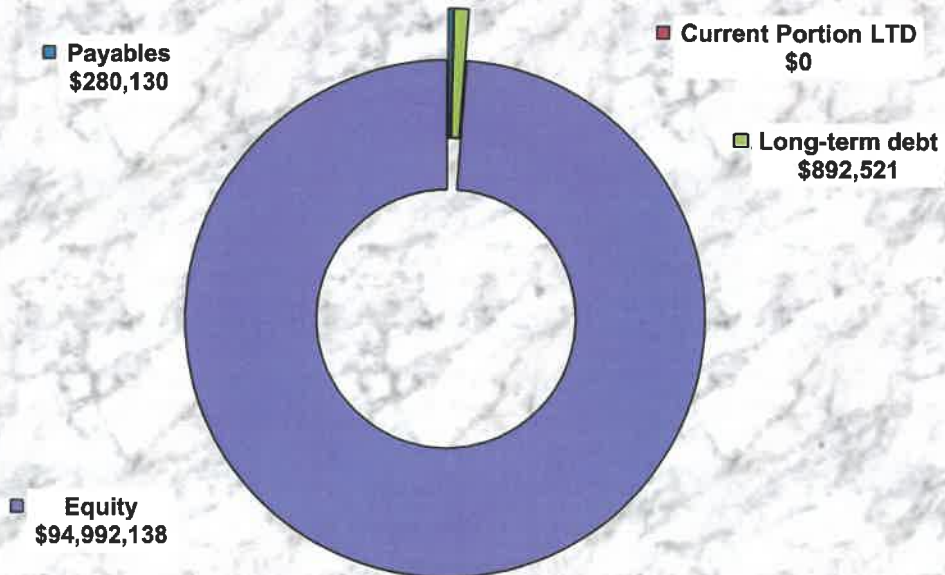
Carmel Area Wastewater District
Budgeted Income Stmt.-Brine Disposal
Year-to-Date Variance, April 2021 - current month, Consolidated by
account, Department 10

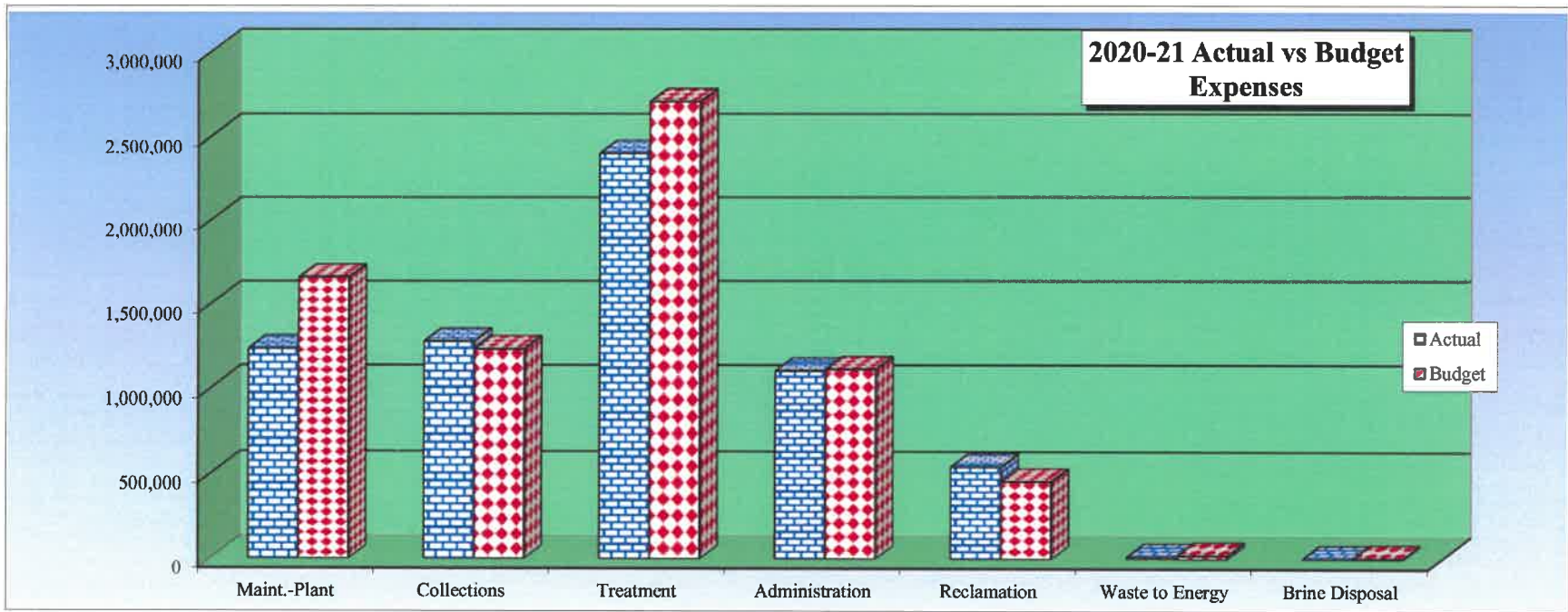
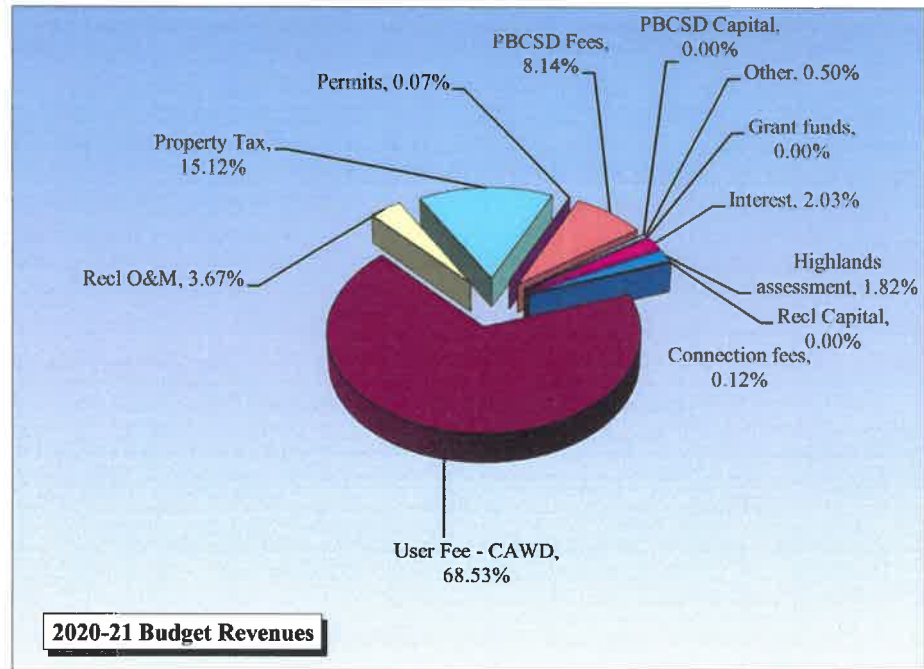
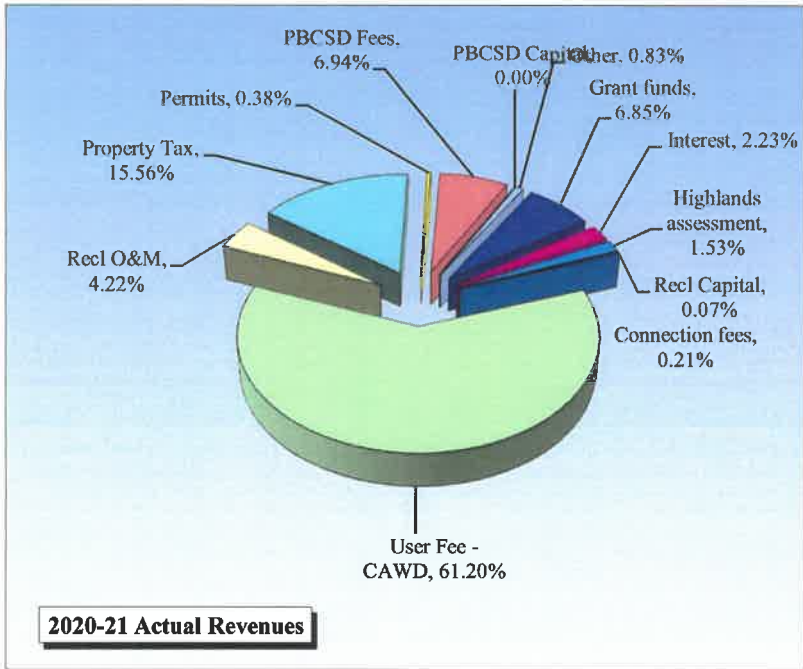
	<i>10 Months Ended April 30, 2021</i>	<i>10 Months Ended April 30, 2021 Budget</i>	<i>Variance Fav/<Unf></i>	<i>% Var</i>
Income				
Revenue	72,052.17	54,166.70	17,885.47	33.0 %
TOTAL Income	<u>72,052.17</u>	<u>54,166.70</u>	<u>17,885.47</u>	33.0 %
*****	<u>72,052.17</u>	<u>54,166.70</u>	<u>17,885.47</u>	33.0 %
***** OPERATING INCOME	<u>72,052.17</u>	<u>54,166.70</u>	<u>17,885.47</u>	33.0 %
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	918.65	1,570.00	651.35	41.5 %
TOTAL Salaries and Payroll Taxes	<u>918.65</u>	<u>1,570.00</u>	<u>651.35</u>	41.5 %
Operating Supplies				
Operating Supplies	0.00	1,250.00	1,250.00	100.0 %
TOTAL Operating Supplies	<u>0.00</u>	<u>1,250.00</u>	<u>1,250.00</u>	100.0 %
Contract Services				
Contract Services	1,150.00	0.00	(1,150.00)	
TOTAL Contract Services	<u>1,150.00</u>	<u>0.00</u>	<u>(1,150.00)</u>	
Repairs and Maintenance				
Repairs and Maintenance	1,000.25	3,750.00	2,749.75	73.3 %
TOTAL Repairs and Maintenance	<u>1,000.25</u>	<u>3,750.00</u>	<u>2,749.75</u>	73.3 %
TOTAL Operating Expenses	<u>3,068.90</u>	<u>6,570.00</u>	<u>3,501.10</u>	53.3 %
***** OPERATING INCOME (LOSS)	<u>68,983.27</u>	<u>47,596.70</u>	<u>21,386.57</u>	44.9 %
***** NET INCOME (LOSS)	<u>68,983.27</u>	<u>47,596.70</u>	<u>21,386.57</u>	44.9 %
***** NET INCOME (LOSS)	<u>68,983.27</u>	<u>47,596.70</u>	<u>21,386.57</u>	44.9 %

Assets - April 30, 2021

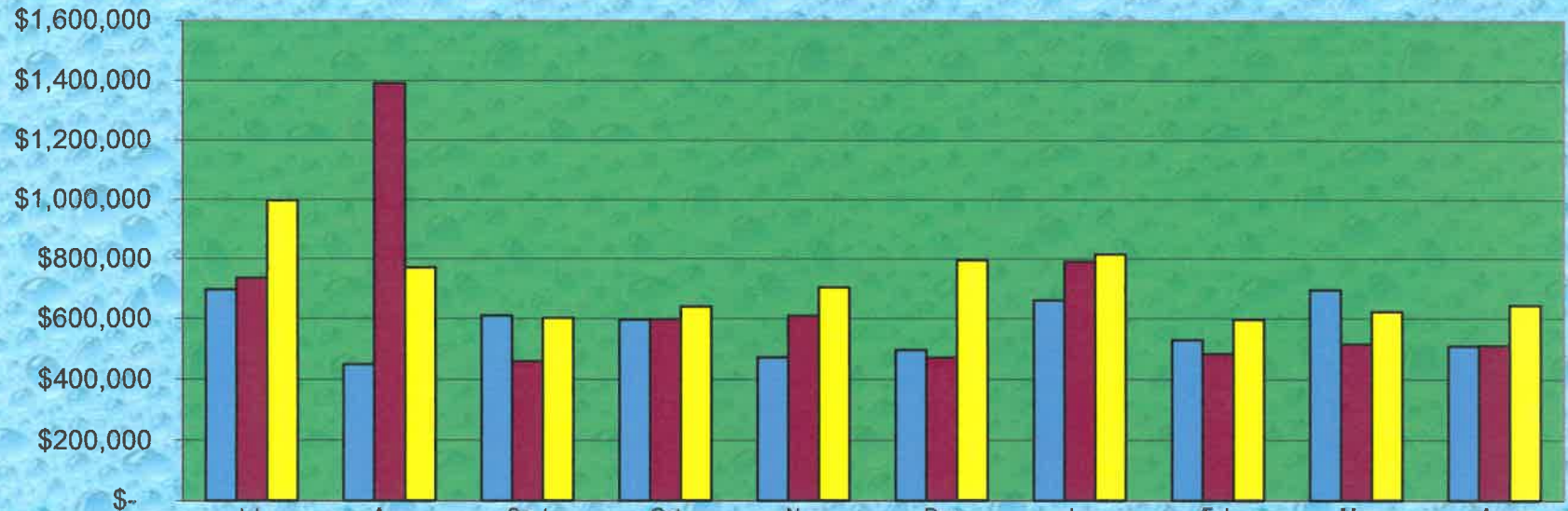


Liabilities - April 30, 2021





Operating Expenses



	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr
■ FY 19-20	\$697,777	\$450,055	\$640,701	\$596,377	\$472,541	\$496,491	\$660,547	\$529,803	\$695,630	\$509,826
■ FY 20-21	\$736,364	\$1,391,166	\$459,665	\$597,145	\$609,524	\$472,000	\$790,837	\$484,440	\$516,146	\$510,763
■ CY Budget	\$997,134	\$771,376	\$601,855	\$640,410	\$705,305	\$795,767	\$815,635	\$596,255	\$623,125	\$644,030

Carmel Area Wastewater District
Capital Expenditures
2020-21

	BEG BAL	APR	CURRENT YTD	CUMULATIVE TOTAL	ANNUAL BUDGET	BUDGET SPENT
<u>CAPITAL PURCHASES</u>						
<u>Admin</u>						
		0	0	0	0	NA
		0	0	0	0	NA
<u>Collections</u>						
New Camera Head-unbudgeted		0	10,386	10,386	0	NA
Jet Truck Water Pump-unbudgeted		0	30,145	30,145	0	NA
Portable Diesel Generator		0	77,156	77,156	80,000	96.45%
Ford F-350 with Royal Crane Body		0	81,814	81,814	80,000	102.27%
<u>Treatment</u>						
2013 Keystone trailer-unbudgeted		0	18,371	18,371	0	NA
500 kw Portable Generator		0	301,789	301,789	450,000	67.06%
Cyclo Reducer-Screwpress-unbudgeted		0	11,460	11,460	0	NA
Effluent 75hp VFD-unbudgeted		0	10,365	10,365	0	NA
Polymer Feed System (RECL 50%)		0	19,528	19,528	22,500	86.79%
RECL share		0	(9,764)	(9,764)	(30,733)	31.77%
PBCSD share (1/3 of cost)		0	(117,250)	(117,250)	(147,256)	79.62%
		0	434,000	434,000	454,511	NA

Total Capital Purchases 20-21

**Carmel Area Wastewater District
Capital Expenditures
2020-21**

	BEG BAL	APR	CURRENT YTD	CUMULATIVE TOTAL	ANNUAL BUDGET	BUDGET SPENT
<u>CIP PROJECTS</u>						
<u>Administration</u>						
Admin. Building Modifications-COVID-19	0	1,020	62,824	62,824	75,000	83.77%
<u>Collections</u>						
Construction of new Gravity Sewer Line-Carmel Meadows	226,536	10,796	105,607	332,143	185,445	56.95%
Hatton Canyon Pipeline Bursting	271,186	51,065	1,088,181	1,359,367	1,450,000	75.05%
Pump Stations-SCADA	456,569	0	5,230	461,799	0	NA
Upper Rancho Canada Pipe Relocation	62,991	380	83,442	146,433	1,760,000	4.74%
Rio Road CIPP Lining Project	129,163	0	680,268	809,431	1,340,000	50.77%
Carmel Valley Manor Sewer-unbudgeted	0	0	180	180	0	NA
<u>Treatment</u>						
RECL share		0	0	0	0	NA
PBCSD share (1/3 of cost)		0	0	0	0	NA
<i>Total CIP Projects 20-21</i>	1,146,445	63,261	2,025,732	3,172,177	4,810,445	42.11%

**Carmel Area Wastewater District
Capital Expenditures
2020-21**

	BEG BAL	APR	CURRENT YTD	CUMULATIVE TOTAL	ANNUAL BUDGET	BUDGET SPENT
<u>LONG TERM CIP PROJECTS</u>						
<u>Treatment</u>						
Microturbine/Gas Conditioning System	20,781	0	34,334	55,115	45,000	76.30%
Elec/Mech Rehab & Sludge Holding Tank Project (RECL 4%)	869,871	1,286	12,702	882,574	906,000	1.40%
WWTP Perimeter Tree Planting	2,897	0	0	2,897	27,000	NA
Standby Power Reliability Project	19,202	339	55,421	74,623	35,000	158.35%
Critical Process Flood Adaptations (RECL 15%)	21,788	0	0	21,788	20,000	NA
Aeration Basin Improvements	0	0	9,030	9,030	87,000	10.38%
RECL share		(51)	(508)	(508)	(36,240)	1.40%
PBCSD share (1/3 of cost)		(524)	(36,993)	(36,993)	(361,253)	10.24%
<i>Total Long Term CIP Projects 20-21</i>	934,539	1,049	73,986	1,008,525	722,507	10.24%
Total Capital (net of RECL and PBCSD)	2,080,984	64,310	2,533,718	4,614,702	5,987,463	42.32%

**Carmel Area Wastewater District
Variance Analysis
2020-21**

**YTD Actual/
YTD Budget
Variance**

Maintenance - Plant

Employee Benefits	-86.00%	CALPERS unfunded liability payments unbudgeted.
Utilities	-16.60%	Cell service underbudgeted.
Other Expense	NA	Recruiting unbudgeted.

Collections

Employee Benefits	-108.90%	CALPERS unfunded liability payments unbudgeted.
Truck and Auto Expenses	-9.60%	Gasoline, repair parts and vehicle accessories underbudgeted.
General and Administrative	-118.70%	Insurance and engineering underbudgeted.
Operating Supplies	-34.40%	Electrical supplies underbudgeted.
Memberships and Subscriptions	-32.10%	Publications and reference works underbudgeted, small dollar amounts.
Other Expense	-1942.40%	Recruiting unbudgeted, small dollar amounts.

Treatment

Employee Benefits	-92.30%	CALPERS unfunded liability payments unbudgeted.
Truck and Auto Expenses	-230.10%	Insurance underbudgeted, small dollar amounts.
Safety	-27.70%	Timing difference, virus supplies.

Administration

Salaries and Payroll Taxes	-10.50%	Underbudgeted.
Employee Benefits	-125.60%	CALPERS unfunded liability payments unbudgeted.
Repairs and Maintenance	-177.80%	General repairs unbudgeted and building underbudgeted, small dollar amounts.
Safety	-5.90%	Virus supplies unbudgeted.

Waste to Energy

Repairs and Maintenance	-43.90%	Underbudgeted, small dollar amounts.
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Brine Disposal

Contract Services	NA	Lab analysis unbudgeted, small dollar amounts.
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District Obligations:

1) 2004 Highlands Project Bond Proceeds \$3,057,165 -- Balance \$760,000

**Carmel Area Wastewater District
2020-21 Resolutions Amending the Budget**

Resolution #	Description	Budgeted		Amendment		Spent To Date
2020-47	A Resolution Approving the Contract Amendment for an Amount not to exceed \$22,900 for the Annexation Services Contract with Denise Duffy & Associates, Inc. to include extra work performed during the environmental review and Local Agency Formation Commission (LAFCO) application services for the 2020 Sphere of Influence and Annexation Project & Authorize the General Manager to sign the Contract Amendment #19-09	\$	-	\$	22,900	\$ 22,849
2020-49	A Resolution approving the payment of CalPERS Classic Unfunded Accrued Liability in an amount not to exceed \$725,000 and CALPERS Public Employees' Pension Reform Act (PEPRA) Unfunded Accrued Liability in an Amount not to exceed \$56,674 with funds from District Reserves	\$	-	\$	725,000	\$ 725,000
		\$	-	\$	56,674	\$ 56,674
2020-60	A Resolution Authorizing the General Manager to enter into a contract with Downtown Ford for the purchase of a Ford F350 Utility truck with a box mount crane in the amount not to exceed \$82,507.30	\$	80,000	\$	2,507	\$ 81,814
2020-73	A Resolution ratifying the amended contract amount and approving the actions of the General Manager in approving said amendment with Graniterock in an amount not to exceed \$23,139.82 for additional work completed during wetland basin grading for the Hatton Canyon Pipeline Replacement Project #18-17	\$	29,880	\$	23,140	\$ 53,020
2021-10	A Resolution authorizing an amendment to the annexation services contract with SRT Consultants for the Carmel Meadows Project, #19-03 in an amount not to exceed \$60,000.	\$	255,445	\$	60,000	\$ 179,264
2021-14	A Resolution authorizing an amendment to the contract with Johnson Marigot Consulting in an amount not to exceed \$59,800 to provide additional regulatory support services for the Carmel River Floodplain Restoration and Environmental Enhancement (CRFREE) Mitigation Pipeline Undergrounding Project #19-21.	\$	168,815	\$	59,800	\$ 155,844
Total To Date		\$ 534,140		\$ 950,021		\$ 1,274,464

STAFF REPORT

TO: Board of Directors
 FROM: Daryl Lauer, Collection Superintendent
 DATE: May 27, 2021
 SUBJECT: Monthly Report – April



RECOMMENDATION

Receive Report- Informational only; no action required.

Permits Issued

Sewer Lateral Permits issued in April	24
Total Fees	\$3,960.00

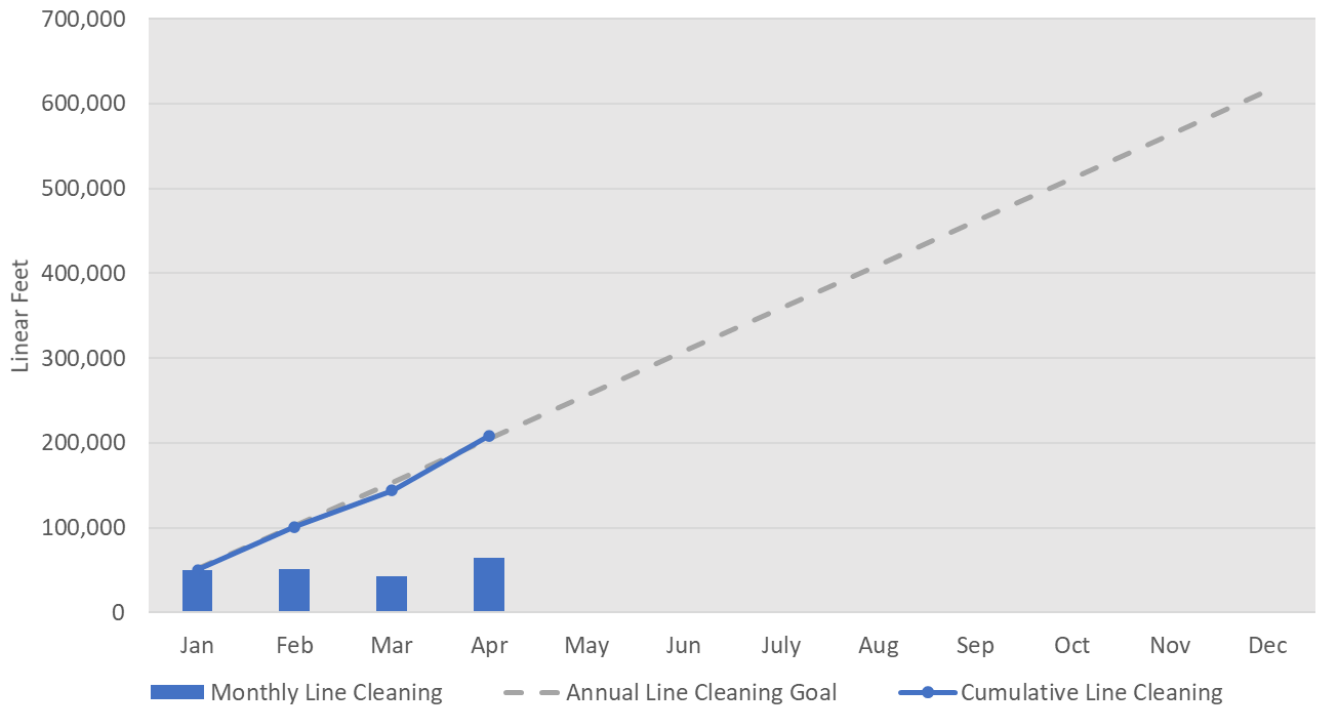
Maintenance

Attached is a map of the areas cleaned and Closed-Circuit Television (CCTV) inspected in past three months. There was 64,466 feet of sewer lines cleaned, 12,623 feet of (CCTV) inspections, and 130 manhole inspections were performed during the month of April.

Recent Line Cleaning Summary

Cleaning period	Footage Cleaned	Percentage Cleaned	Size of Pipe Cleaned
April	64,466 ft.	15.67%	6 – 15 inches
March	42,977 ft.	10.45%	6 - 10 inches
February	50,669 ft.	12.32%	6 – 12 inches

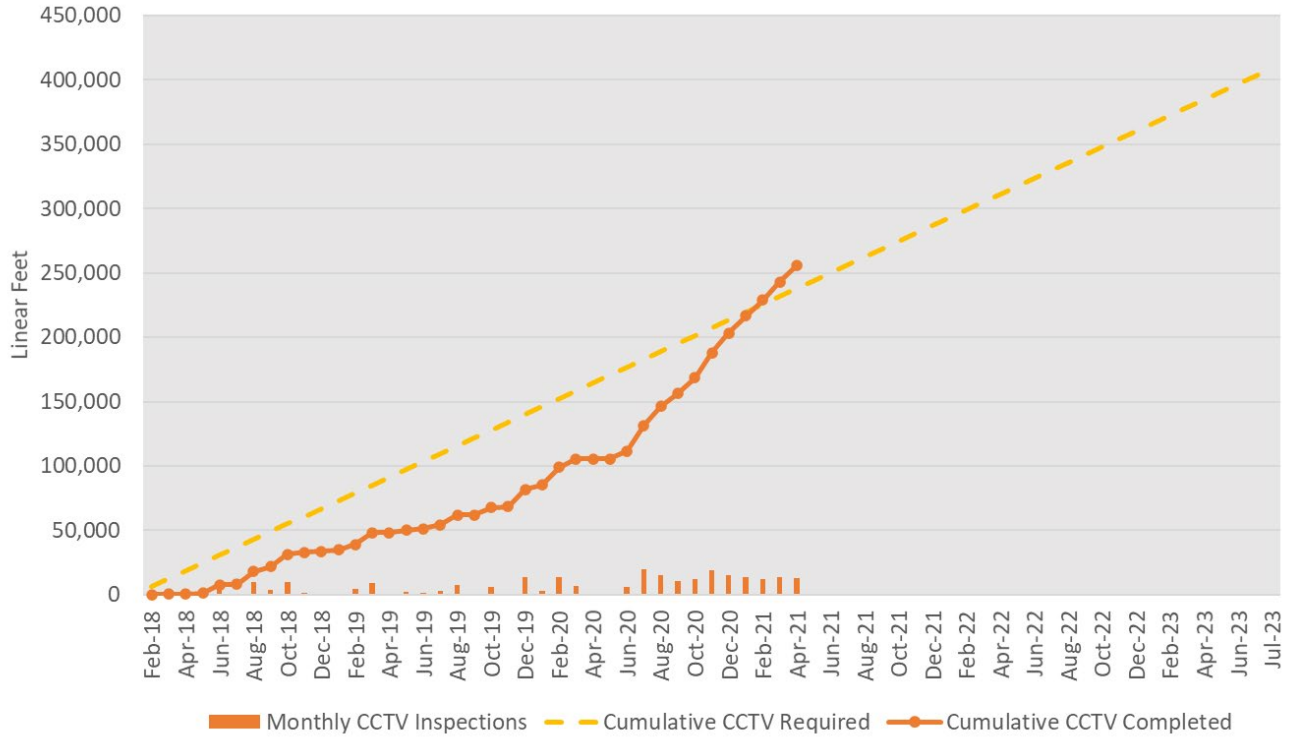
Annual Line Cleaning Graph



Line Cleaning Table

Total Target Amount (Linear Feet)	Cumulative Complete (Linear Feet)	Remaining (Linear Feet)
615,000 (in 2021)	208,300	406,700

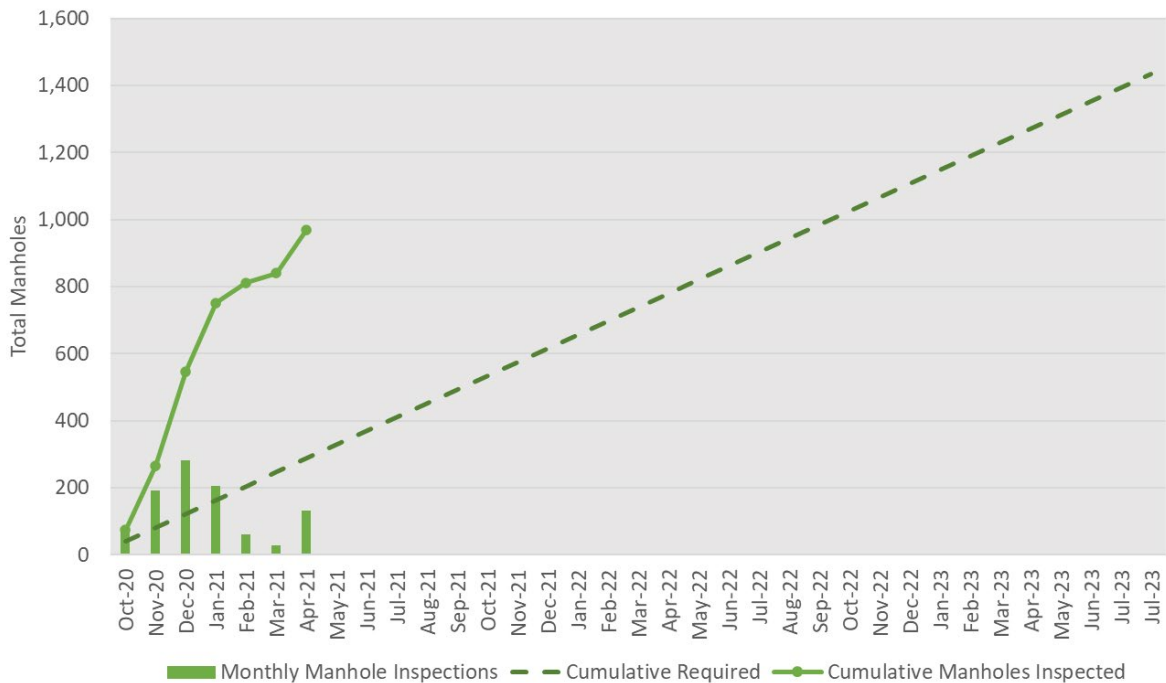
CCTV Progress Graph (River Watch Settlement Agreement Target)



CCTV Table

Total Required amount (Linear Feet)	Cumulative Complete (Linear Feet)	Remaining (Linear Feet)
408,672	255,482	153,190

Manhole Inspection Progress Graph (Riverwatch Settlement Agreement Target)



Manhole Inspection Table

Total Required Amount (Manholes)	Actual Complete (Manholes)	Remaining (Manholes)
1434	840	594

Construction activities

- Contractors removed the concrete vaults and exposed the force main and Air Release Valve (ARV) so a condition assessment of the Districts ARV and valving could be completed. The condition assessment will be used for a future project to upgrade the ARV's and valving along Highway 1.

Staff Development

- Staff completed several online safety trainings and in person tail gate training.

General comments

- Staff continues to practice social distancing with other staff and contractors, driving to locations throughout the District in separate vehicles. Staff is educated on the best practices of personal protective equipment (PPE) and personal hygiene. Staff has been cleaning and sanitizing buildings, equipment, and vehicles daily as part of their routine duties.

Service calls responded to by crew

Date	Time	Callout	Resolution
4/1/2021	3:38 PM	ARV (Air Release Valve) leaking	Called by State Parks for a leak on an ARV vault on Highway 1 in front of the Hudson House. Staff found the leak to be from the ARV on the State Parks force main. Staff vacuumed out the vault and closed a valve to stop the leak.
4/9/2021	11:15 PM	Power Fail	Power outage at Bay & Scenic, Monte Verde & 16 th and 8 th & Scenic pump stations. Staff monitored station until power was restored.
4/23/2021	12:33 PM	Toilet Bubble	Called by homeowner for a toilet bubble. Staff informed homeowner that the bubble is from the crew cleaning in the area. Staff can prevent the bubbling if we know in advance to vent the lateral. Staff added the home to the vent prior to clean map.

USA Location Requests – 127

Plumbing permit inspections – 22

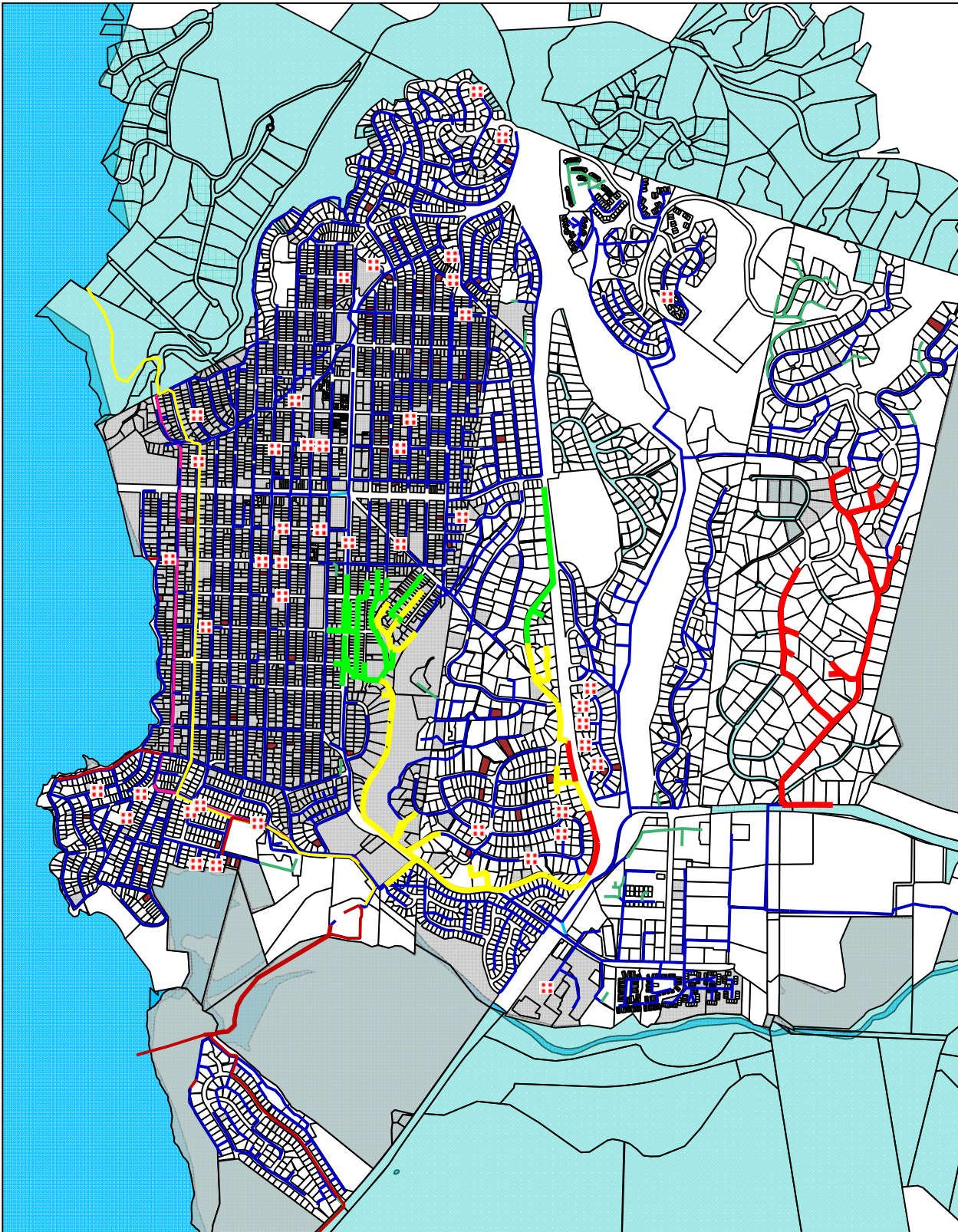
Private Sewer Lateral Compliance Certificates Issued – 26

FUNDING

N/A

April (Red) 12,623 feet
March (Yellow) 13,991 feet
February (Green) 12,199 feet

Monthly CCTV Map

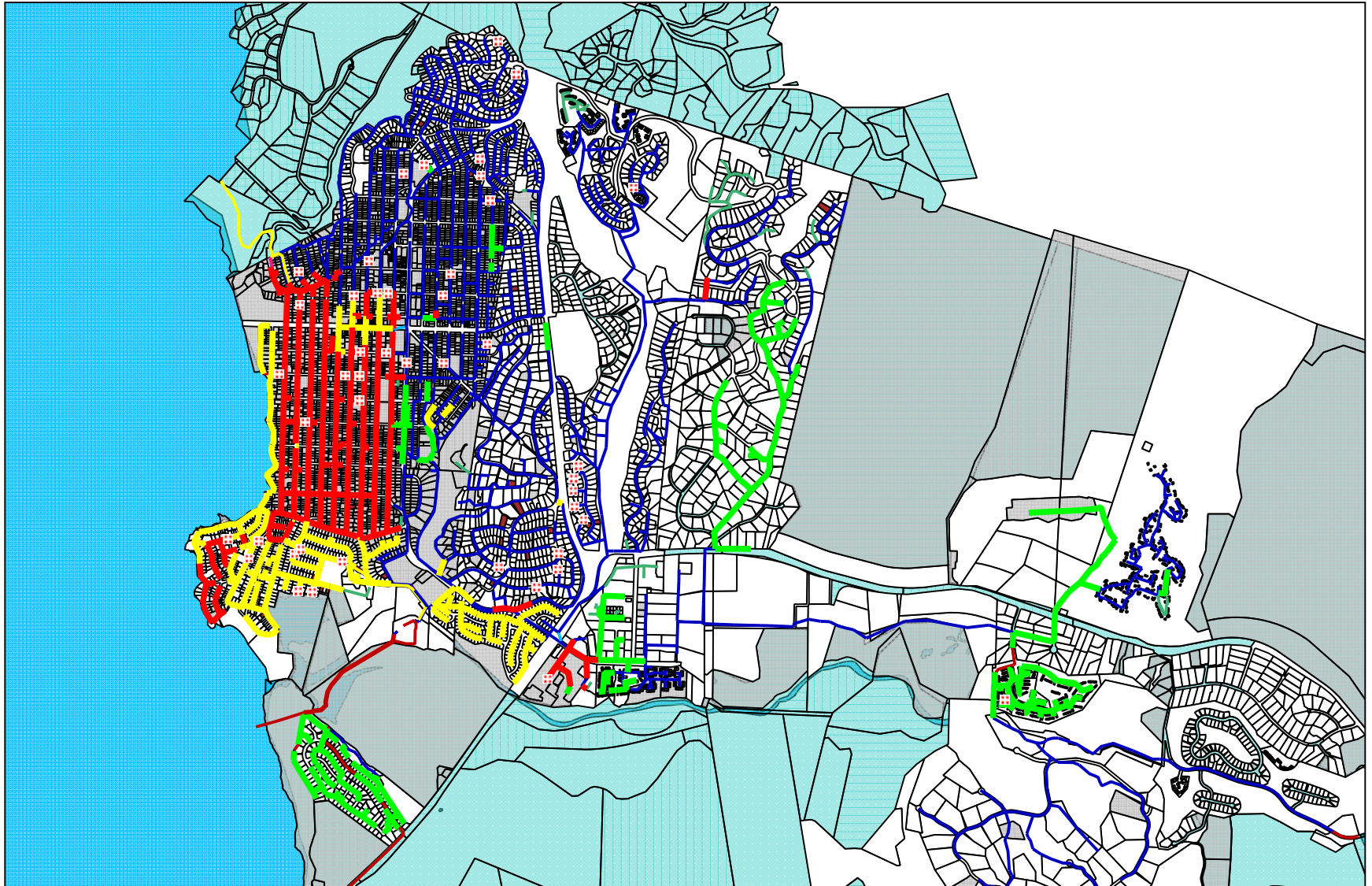


5/10/2021



April (Red) 64,466 feet
March (Yellow) 42,977 feet
February (Green) 50,669 feet

Monthly Cleaning Map



RedZone[®]
ROBOTICS

5/10/2021



STAFF REPORT

To: Board of Directors

From: Mark Dias, Safety and
Regulatory Compliance Administrator

Date: May 27, 2021

Subject: Monthly Safety Report (for April 2021)



RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

Safety & Training

- **April 29- Tailgate training.** Mark Dias, Safety and Compliance Administrator (S/C Admin Dias) gave a tailgate training on the use of portable Ground Fault Circuit Interruption (GFCI) units. These portable units are to be used where moisture and water are encountered while using portable electric equipment like pumps, tools, lights, etc. Emphasis was placed making sure to plug the GFCI units directly into the socket and then any extension cords and equipment downstream of the GFCI unit. It is also a requirement to test the unit each time before use. This training was given as part of the new GFCI Program which is discussed in the section below.

Ongoing Safety Improvements

During April, 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 April included:

- **New Voluntary Ground Fault Circuit Interruption Program.** The treatment plant and lift stations inherently have large numbers of water-exposed areas and spaces. These locations are routinely subject to rain, mists, summer drizzle, condensation, sprays and leaks. In addition, many rooms, floors, decks and surfaces are regularly washed down. Temporary electrical connections (i.e., extension cords and power tool cords) are used in these wet areas to power portable pumps, tools, lighting and other portable equipment. The combination of cords lying on wet surfaces increases

the chance of shorting or shock. While best practice has always been to use portable GFCI units, this program was established to formalize and highlight the correct procedures and better inform employees which outlets need portable GFCI protection.

Cal OSHA already requires employers to provide proper GFCI protected receptacles (i.e., outlets) in indoor spaces such as bathrooms, kitchens and other indoor areas with sinks. Compliant receptacles were previously installed per code and in 2020 the receptacles in the lab were upgraded with new GFCI outlets.

For other water-exposed areas and spaces, CAWD will continue to systematically implement engineering controls to replace non-GFCI receptacles or circuits with permanent GFCI equipment. This has been occurring during routine rehabilitation tasks.

Until such time as all water-exposed areas have had permanent GFCI receptacles or circuits installed, the new program will help provide an additional level of safety. All outlets that do not yet have permanent GFCI circuits already installed will be labeled “GFCI Required” and portable GFCI units will be stored nearby.

Tours and Outreach

- **Tours.** All tours remain on hold per current health orders and school closures.

Injuries; First Aid Incidents; Workers’ Compensation Claims

There were no first aid injuries or Workers’ Compensation claims in April. The most recent tracking matrix for 2021 is below.

	Work Related Injuries and Illnesses for 2021 Reporting Year				
TYPE	New Incidents (Month)	Total Incidents (Year)	Total Days Away from Work (Year)	Total Days of Job Restriction (Year)	Cumulative days lost (Year)
OSHA Injuries	0	0	0	0	0
OSHA Illnesses	0	0	0	0	0
Other WC Claims	0	1	0	0	0
First Aid (non-OSHA)	0	0	0	0	0

FUNDING

N/A- Informational item only

Wastewater Treatment Facility Operations Report

	HYDRAULIC LOADINGS					2021 YEAR-TO-DATE	
Report for: April 2021	Total Monthly, MG	Avg. Daily, MGD	Min Daily, MGD	Max Daily, MGD	% of Total	MG	acre-feet
CAWD Flow	23.755	0.791	0.739	0.837	68.714	99.49	305.20
PBCSD Flow	10.816	0.361	0.304	0.414	31.286	45.39	139.24
Total Plant Flow	34.571	1.152	1.043	1.251	100.00	144.89	444.44
Tertiary Flow	30.749	1.025	0.830	1.142	88.944	102.88	315.59
Ocean Discharge	4.008	0.134	0.097	0.204	11.594	45.88	140.75
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TERTIARY PROCESS HISTORY

Total Annual Reclamation Production (2021)	102.89MG (315.60acre-ft.)
Total Lifetime Reclamation Production (94-20)	8.64 BG (26.52 K acre-ft.)
12 Month Rolling Total Reclamation Production	345.51 MG (1060.38 acre-ft.)

ELECTRICAL COSTS

Monthly Totals	Apr'21 kWh	Price per kWh	Apr'21	Mar'21	Feb'21	Jan'21
Secondary	95,956.00	\$ 0.156	\$ 15,009.94	\$ 16,198.02	\$ 15,090.53	\$ 18,806.56
Blowers	51,405.60	\$ 0.165	\$ 8,495.11	\$ 8,318.61	\$ 7,945.21	\$ 7,150.70
CAWD Total	147,361.60		\$ 23,505.05	\$ 24,516.63	\$ 23,035.74	\$ 25,957.26
Tertiary	94,481.40	\$ 0.163	\$ 15,428.62	\$ 9,180.31	\$ 14,362.85	\$ 12,382.80
MF/RO	85,400.00	\$ 0.230	\$ 19,675.11	\$ 8,129.10	\$ 15,433.92	\$ 15,204.40
Reclaim Total	179,881.40		\$ 35,103.73	\$ 17,309.41	\$ 29,796.77	\$ 27,587.20
Adjusted Monthly Totals (1)	CAWD Total		\$ 14,513.85	Reclamation Total		\$ 44,094.93

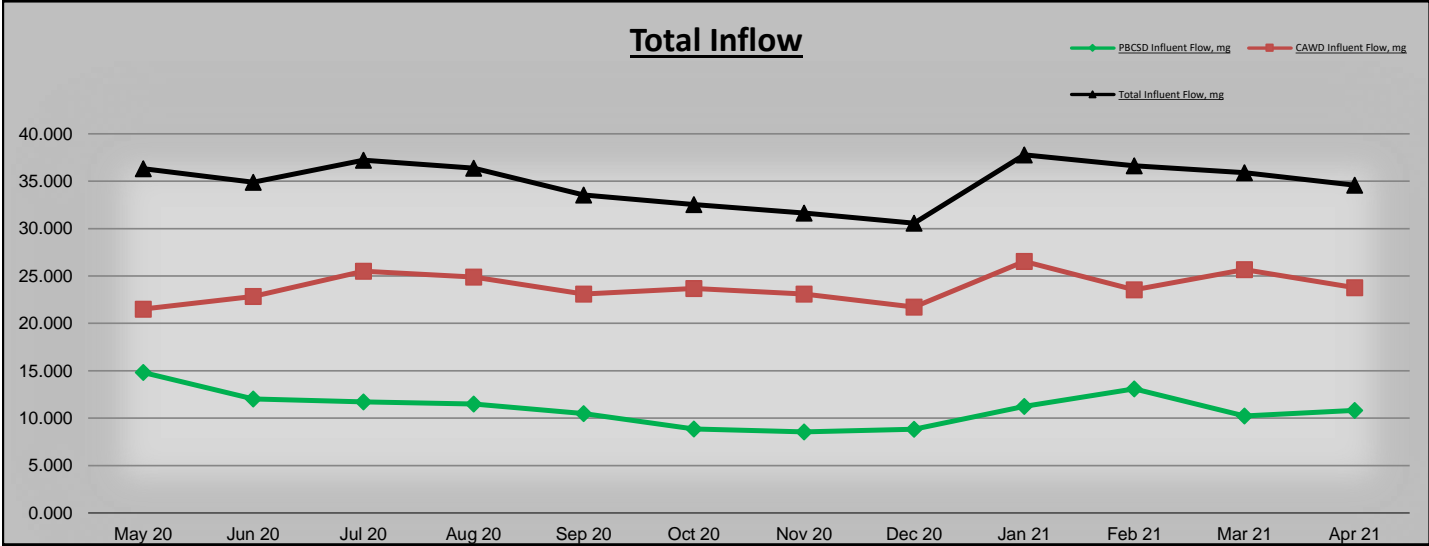
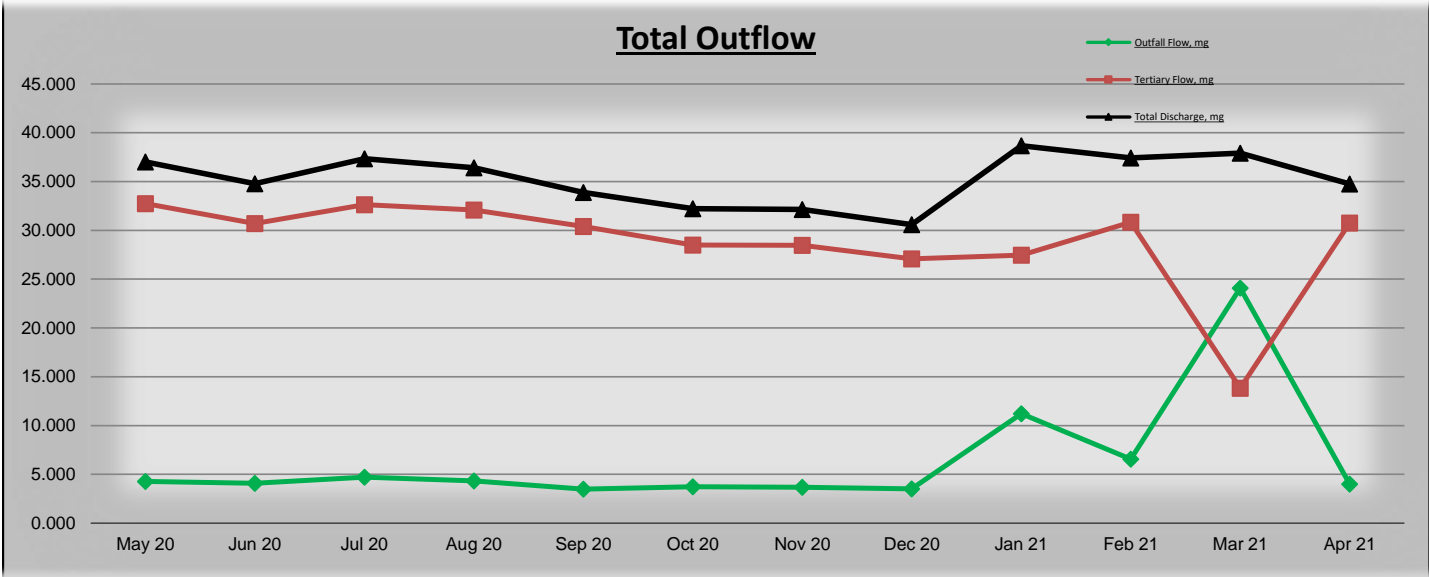
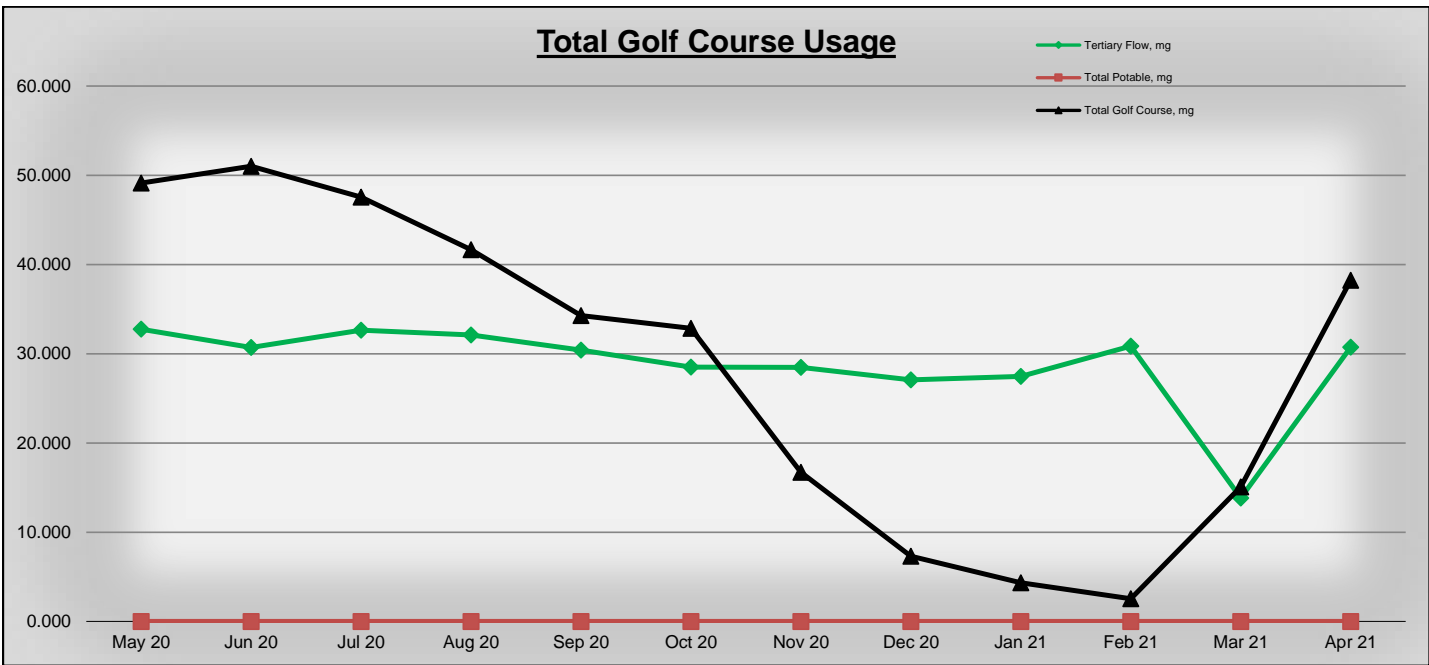
kW-h Per Acre Foot

	2020				2021			
	1 QTR	2 QTR	3 QTR	4 QTR	1 QTR	2 QTR	3 QTR	4 QTR
CAWD	2064.85	1445.00	1434.66	1583.65	1453.87	N/A	N/A	N/A
Reclamation	1920.96	1852.00	1878.67	1943.44	1984.84	N/A	N/A	N/A

MICROTURBINE SUMMARY

Month	Apr '21 kW-h	Mar '21	Feb '21	Jan '21	Accumulated Totals
Production,kW-h	31,694	29,055	22,833	21,019	1,009,589.00

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



Wastewater Treatment Facility Operations Report

	HYDRAULIC LOADINGS					2021 YEAR-TO-DATE	
Report for: March 2021	Total Monthly, MG	Avg. Daily, MGD	Min Daily, MGD	Max Daily, MGD	% of Total	MG	acre-feet
CAWD Flow	25.666	0.828	0.700	1.036	71.501	75.74	232.33
PBCSD Flow	10.230	0.330	0.278	0.436	28.499	34.58	106.06
Total Plant Flow	35.896	1.158	0.978	1.472	100.00	110.32	338.39
Tertiary Flow	13.835	0.814	0.268	1.150	38.542	72.13	221.27
Ocean Discharge	24.090	0.777	0.105	1.933	67.111	41.88	128.45
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TERTIARY PROCESS HISTORY

Total Annual Reclamation Production (2021)	72.14MG (221.28acre-ft.)
Total Lifetime Reclamation Production (94-20)	8.61 BG (26.43 K acre-ft.)
12 Month Rolling Total Reclamation Production	330.82 MG (1015.28 acre-ft.)

ELECTRICAL COSTS

Monthly Totals	Mar '21 kWh	Price per kWh	Mar'21	Feb'21	Jan'21	Dec'20
Secondary	93,461.00	\$ 0.173	\$ 16,198.02	\$ 15,090.53	\$ 18,806.56	\$ 16,496.43
Blowers	50,147.12	\$ 0.166	\$ 8,318.61	\$ 7,945.21	\$ 7,150.70	\$ 7,445.03
CAWD Total	143,608.12		\$ 24,516.63	\$ 23,035.74	\$ 25,957.26	\$ 23,941.46
Tertiary	44,758.00	\$ 0.205	\$ 9,180.31	\$ 14,362.85	\$ 12,382.80	\$ 13,365.15
MF/RO (2)	49,535.00	\$ 0.164	\$ 8,129.10	\$ 15,433.92	\$ 15,204.40	\$ 16,305.46
Reclaim Total	94,293.00		\$ 17,309.41	\$ 29,796.77	\$ 27,587.20	\$ 29,670.61
Adjusted Monthly Totals (1)	CAWD Total		\$ 14,998.21	Reclamation Total		\$ 26,837.83

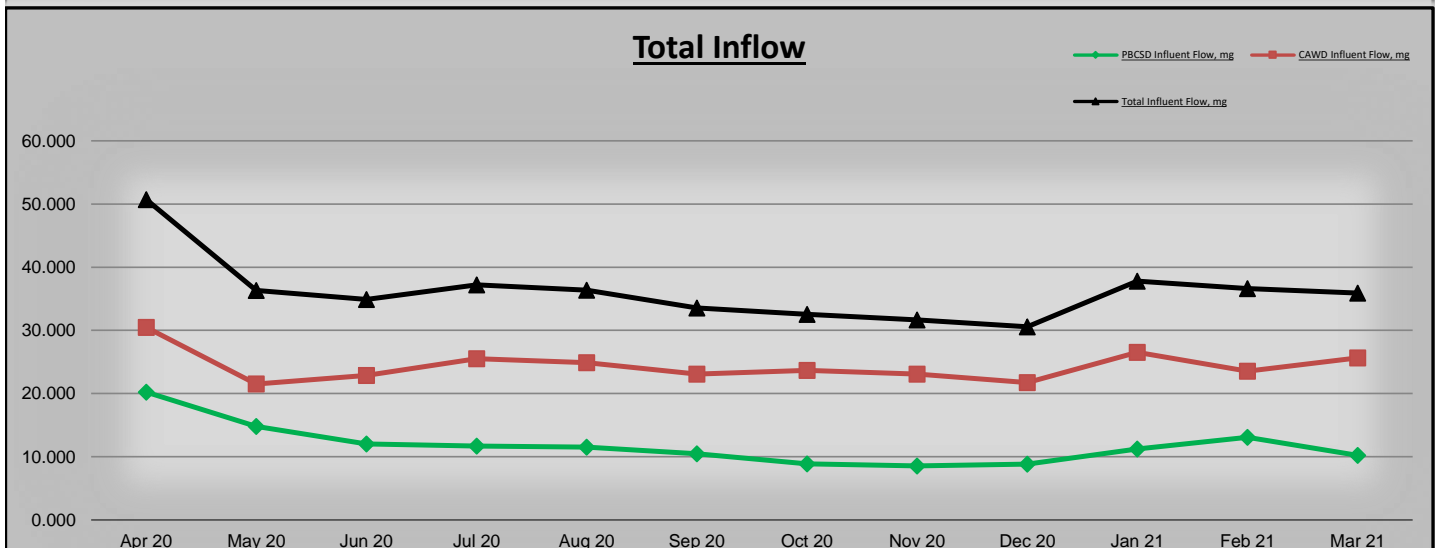
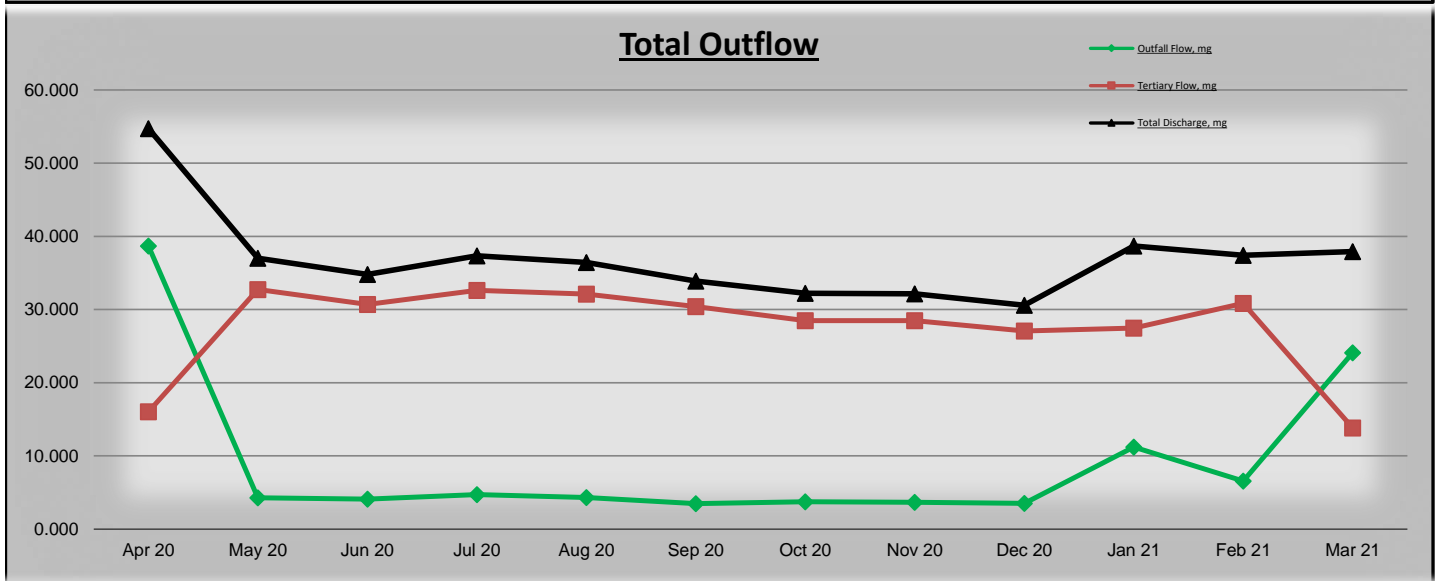
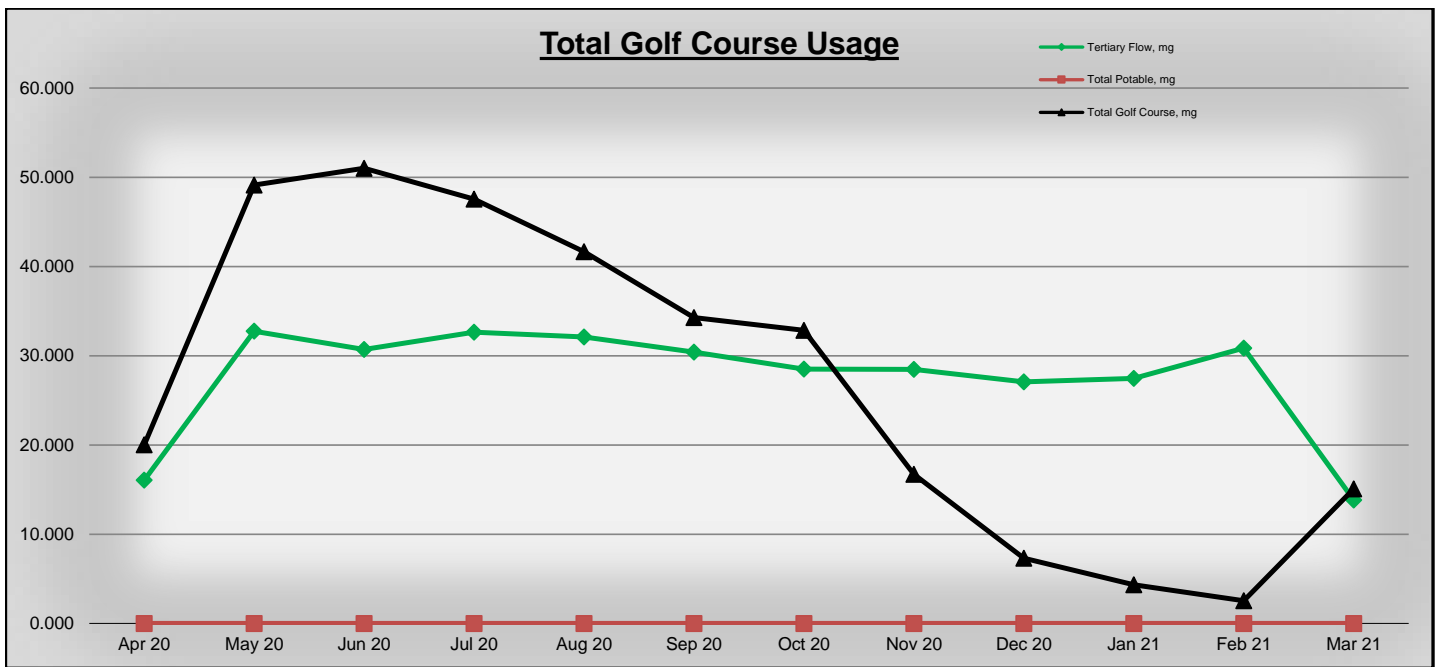
kW-h Per Acre Foot

	2020				2021			
	1 QTR	2 QTR	3 QTR	4 QTR	1 QTR	2 QTR	3 QTR	4 QTR
CAWD	2064.85	1445.00	1434.66	1583.65	1453.87	N/A	N/A	N/A
Reclamation	1920.96	1852.00	1878.67	1943.44	1984.84	N/A	N/A	N/A

MICROTURBINE SUMMARY

Month	Mar '21 kW-h	Feb '21	Jan '21	Dec'20	Accumulated Totals
Production,kW-h	29,055	22,833	21,019	24,832	977,895.00

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



Wastewater Treatment Facility Operations Report

Report for: February 2021	HYDRAULIC LOADINGS					2021 YEAR-TO-DATE	
	Total Monthly, MG	Avg. Daily, MGD	Min Daily, MGD	Max Daily, MGD	% of Total	MG	acre-feet
CAWD Flow	23.536	0.841	0.696	0.976	64.239	50.07	153.60
PBCSD Flow	13.102	0.468	0.318	0.608	35.761	24.35	74.68
Total Plant Flow	36.638	1.309	1.014	1.584	100.00	74.42	228.28
Tertiary Flow	30.843	1.102	0.871	1.191	84.183	58.30	178.83
Ocean Discharge	6.569	0.235	0.108	0.567	17.929	17.79	54.56
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TERTIARY PROCESS HISTORY

Total Annual Reclamation Production (2021)	58.30MG (178.84acre-ft.)
Total Lifetime Reclamation Production (94-20)	8.60 BG (26.39 K acre-ft.)
12 Month Rolling Total Reclamation Production	323.34 MG (992.33 acre-ft.)

ELECTRICAL COSTS

Monthly Totals	Feb '21 kWh	Price per kWh	Feb'21	Jan'21	Dec'20	Nov'20
Secondary	96,112.00	\$ 0.157	\$ 15,090.53	\$ 18,806.56	\$ 16,496.43	\$ 17,253.78
Blowers	56,129.36	\$ 0.142	\$ 7,945.21	\$ 7,150.70	\$ 7,445.03	\$ 7,671.12
CAWD Total	152,241.36		\$ 23,035.74	\$ 25,957.26	\$ 23,941.46	\$ 24,924.90
Tertiary	96,020.08	\$ 0.150	\$ 14,362.85	\$ 12,382.80	\$ 13,365.15	\$ 12,688.58
MF/RO	88,260.00	\$ 0.175	\$ 15,433.92	\$ 15,204.40	\$ 16,305.46	\$ 17,314.64
Reclaim Total	184,280.08		\$ 29,796.77	\$ 27,587.20	\$ 29,670.61	\$ 30,003.22
Adjusted Monthly Totals (1)	CAWD Total		\$ 14,212.95	Reclamation Total		\$ 38,619.56

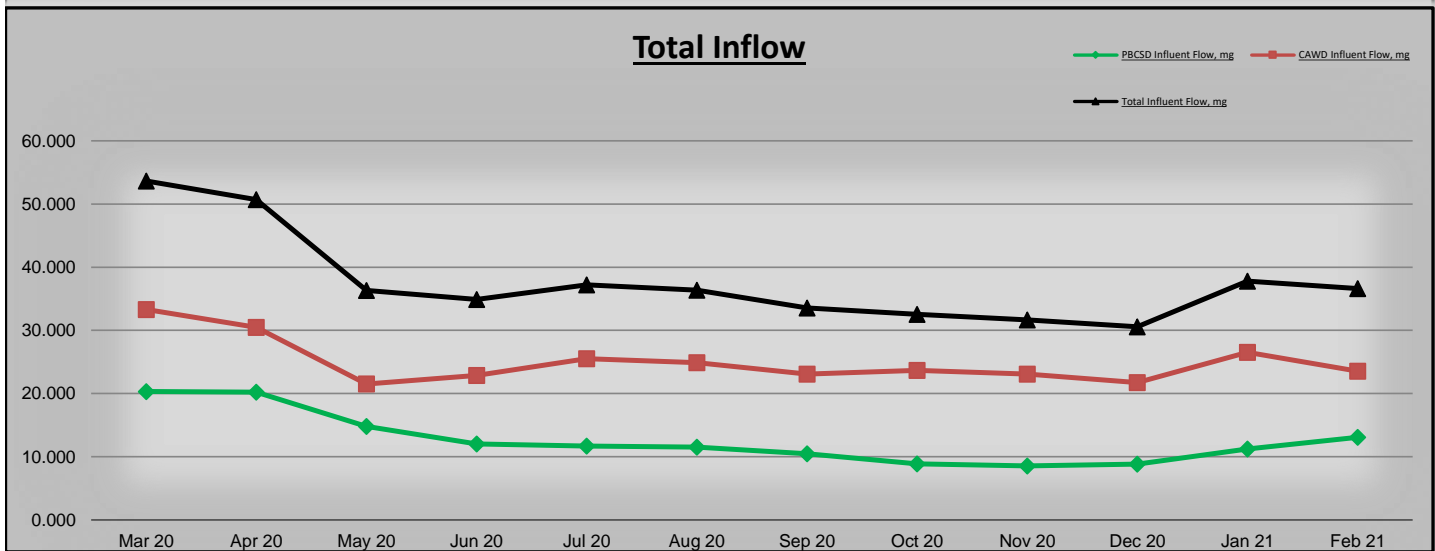
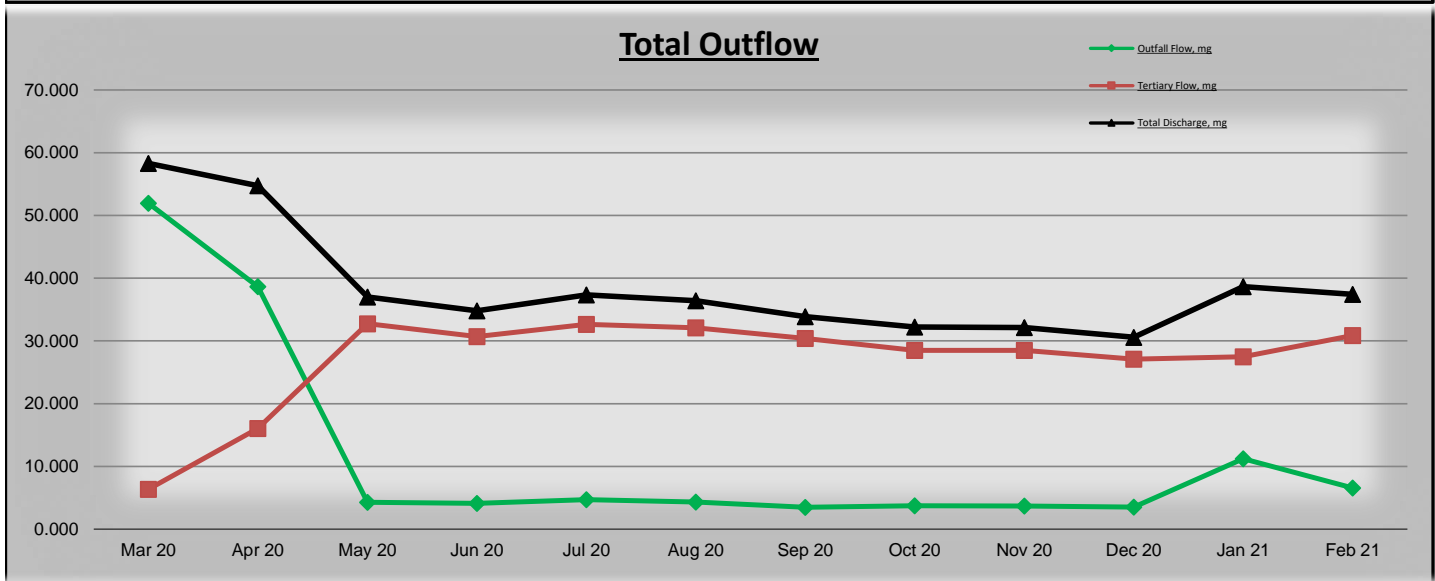
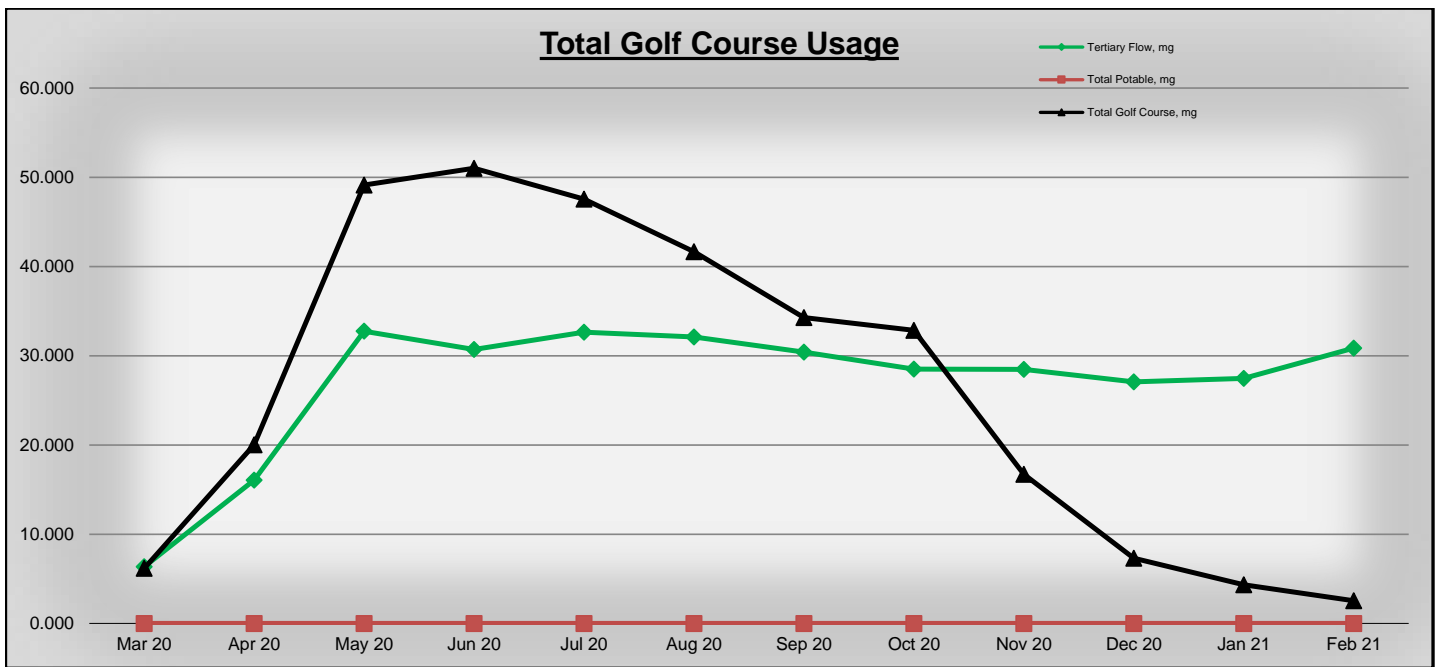
kW-h Per Acre Foot

	2020				2021			
	1 QTR	2 QTR	3 QTR	4 QTR	1 QTR	2 QTR	3 QTR	4 QTR
CAWD	2064.85	1445.00	1434.66	1583.65	N/A	N/A	N/A	N/A
Reclamation	1920.96	1852.00	1878.67	1943.44	N/A	N/A	N/A	N/A

MICROTURBINE SUMMARY

Month	Feb '21 kW-h	Jan '21	Dec '20	Nov '20	Accumulated Totals
Production, kW-h	22,833	21,019	24,832	25,327	948,840.00

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



STAFF REPORT



To: Board of Directors

From: Ray De Ocampo - Laboratory/Environmental Compliance Supervisor

Date: May 27, 2021

Subject: Monthly Report – April 2021

RECOMMENDATION

Receive Report - Informational only; No action required.

DISCUSSION

LABORATORY REPORT

- Biobot Analytics continues to provide COVID-19 analysis for CAWD composite samples of the Influent Pump Station. Biobot samples are available upon request and can also be viewed on the CAWD [website](#).
- Laboratory Staff began a special project requested by the Plant Superintendent and Plant Engineer. Lab Staff set up discrete sampling to collect individual hourly samples of the Secondary and Primary Effluent for twenty-four hours. The sampling event was for one month and collected on a weekly schedule. The analysis performed will be Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Organic Carbon (TOC), and Ammonia- Nitrogen (NH₃-N). The data will be submitted to the Plant Superintendent when the sampling has been completed.
- The CCLEAN (Central Coast Long-Term Environmental Assessment Network) sampling for wet season ended on April 8, 2021 and CCLEAN staff collected the sample. The results will be provided by Applied Marine Sciences when it is completed.
- On April 15, 2021, CWEA had notified Laboratory Analyst Trevor Weidner-Holland that he had been selected as the winner of CWEA's 2021 Crystal Crucible award. He will be receiving a certificate and pin for the award and the announcement will be made during the 2021 CWEA Annual Conference in June 2021.

ENVIRONMENTAL COMPLIANCE REPORT

- Staff was limited to inspections for the month, while working on the laboratory special primary and secondary effluent project stated earlier in this report.

Restaurant Inspection Table

Restaurant	Compliant	Reason for Non-Compliance	Comments
Il Fornaio	Yes		
Carmel Grill House	Yes		

Grocery Store/Delicatessen Inspection Table

Grocery Store/Delicatessen	Compliant	Reason for Non-Compliance	Comments

Restaurant Compliance Table

Month	Maintenance	Mechanical
February 2021	100%	99%
March 2021	100%	100%
April 2021	100%	100%

FUNDING – N/A – Informational item only

Project Number	GL	Task Name	Manager	Start	Finish	Current FY Budget	Cumulative Budget	Status	2020		2021		2022	
									H1	H2	H1	H2	H1	H2
		Projects Implementation Plan Schedule												
		Treatment Plant Projects												
18-01	1620.000	Mech/Elec Rehab and Sludge Holding Tank Replacement Project	Treanor	4/30/18	7/25/23	\$2,905,000	\$10,616,000	Bid Phase	Mech/Elec Rehab and Sludge Holding Tank Replacement Project					
18-05	5858.004	PLC/SCADA Programming	Foley	10/8/18	6/30/21	\$240,000	\$364,715	SCADA Screens 70% Complete	PLC/SCADA Programming					
18-08	1629.000	Standby Power Reliability Project	Treanor/Foley	10/8/18	12/23/20	\$450,000	\$469,202	Complete	Standby Power Reliability Project					
18-11	1611.000	Microturbine Integration Project	Treanor/Foley	6/4/19	6/30/21	\$100,000	\$676,000	Test 30 kW	Microturbine Integration Project					
19-01	1630.000	Onsite Flood Mitigations (PARTIAL RECLAMATION)	Waggoner	7/1/19	6/29/21	\$65,000	\$86,000	Minor Work Proceeding	Onsite Flood Mitigations (PARTIAL RECLAMATION)					
18-28	1626.000	Perimeter Tree Plan and Implementation	Treanor	7/1/19	6/30/26	\$0	\$213,000	Determining Tree Types / Final Landscape Plan for Interior	Perimeter Tree Plan and Implementation					
21-01	5982.004	WWTP Eucalyptus Pruning	Treanor	7/1/20	2/1/22	\$0	\$180,000	Biological Surveys / Pending Bidding in Non-Nesting Season	WWTP Eucalyptus Pruning					
19-21	1993.000	Carmel River FREE Mitigation	Treanor	6/1/20	11/30/22	\$0	\$0	Design/CEQA/ Developing Funding Agreement	Carmel River FREE Mitigation					
21-03		Cathodic Protection Testing	Treanor	7/1/20	6/29/21	\$30,000	\$30,000	Testing Complete - Evaluation of Results Pending	Cathodic Protection Testing					
19-19	1634.000	Aeration Basin Improvements	Waggoner	7/1/20	6/30/21	\$40,000	\$127,000	Materials Onsite Pending Installation in June	Aeration Basin Improvements					
20-03	6799.006	Treatment COVID Improvements	Foley	7/1/20	6/30/21	\$50,000	\$50,000	Complete	Treatment COVID Improvements					
		Treatment Plant Studies & O&M Manuals	Treanor	5/1/20	5/2/22				Treatment Plant Studies & O&M Manuals					
20-02	5500.006	WWTP Stormwater Pollution Prevention Plan Update	Treanor	6/1/20	4/30/21	\$35,000	\$35,000	Complete	WWTP Stormwater Pollution Prevention Plan Update					
	5500.006	Coastal Hazards Monitoring Plan	Treanor	5/1/20	4/30/21	\$150,000	\$1,200,000	Draft Submitted to Coastal Commission	Coastal Hazards Monitoring Plan					
	5500.006	Long Term SLR Planning	Treanor	5/3/21	5/2/22	\$150,000	\$1,550,000	Inactive	Long Term SLR Planning					
		Reclamation Projects												
18-26	14777	RO Pretreatment Acid Tanks and Containment	Treanor	1/1/19	6/1/22	\$290,000	\$358,506	Bidding in August	RO Pretreatment Acid Tanks and Containment					
		Reclamation Line Cathodic Protection Testing	Treanor	1/28/22	6/30/22	\$0	\$40,000	Inactive	Reclamation Line Cathodic Protection Testing					
		Reclamation Studies	Treanor	7/2/18	6/1/22				Reclamation Studies					
	69200	Trussell MF/RO Performance Review	Treanor	7/2/18	6/30/21	\$30,000	\$115,000	In Study Phase	Trussell MF/RO Performance Review					
		Reclamation 15-Year Asset Management Assessment	Treanor	7/1/21	6/1/22	\$0	\$35,000	Inactive	Reclamation 15-Year Asset Management Assessment					
		Collections Projects												
19-02		Pretreatment Ordinance	Lather	11/15/19	5/14/21	\$0	\$0	Scheduling Committee Review	Pretreatment Ordinance					
19-03	1586.000	Carmel Meadows Sewer Replacement	Lather	8/1/19	1/19/23	\$185,445	\$1,259,102	In Design / CEQA	Carmel Meadows Sewer Replacement					
19-13	1625.000	Upper Rancho Canada Pipe Relocation	Lather	7/1/19	10/29/21	\$1,760,000	\$1,822,991	Construction Starting June 14th	Upper Rancho Canada Pipe Relocation					
20-04	6799.005	Collections COVID Improvements	Foley	7/1/20	6/30/21	\$50,000	\$50,000	Complete	Collections COVID Improvements					

Project Number	GL	Task Name	Manager	Start	Finish	Current FY Budget	Cumulative Budget	Status	2020		2021		2022	
									H1	H2	H1	H2	H1	H2
19-08	1632.000	Carmel Valley Manor Pipeline and Pump Station	Lather	7/3/18	12/10/21	\$0	\$0	Design by Owner Construction Planned Upon Completion of Annexation	Carmel Valley Manor Pipeline and Pump Station					
20-07	1636.000	Bay/Scenic Pump Station Rehabilitation	Lather	12/31/20	7/7/23	\$100,000	\$600,000	In Design			Bay/Scenic Pump Station Rehabilitation			
20-08	1635.000	Scenic Rd Pipe Bursting - Ocean to Bay	Lather	2/5/21	6/30/22	\$200,000	\$1,400,000	In Design			Scenic Rd Pipe Bursting - Ocean to Bay			
21-02		2021 Pipeline Spot Repairs	Lather	7/1/21	7/1/22	\$0	\$150,000	Design In House			2021 Pipeline Spot Repairs			
21-04		Manhole Rehabilitation	Lather	7/1/21	7/1/22	\$0	\$150,000	Design In House			Manhole Rehabilitation			
20-05		River Watch Agreement	Lather	2/21/20	2/21/24	\$0	\$0	Work In Progress			River Watch Agreement			
20-06		Collections 20-Year CIP	Lather	7/1/20	7/1/40	\$0	\$29,489,616	Work In Progress			Collections 20-Year CIP			
		Assessment Districts/Annexations	Lather	8/2/18	3/1/23						Assessment Districts/Annexations			
19-09	5500.005	2020 Sphere of Influence Amendment and Annexation Proposal	Lather	3/15/19	7/30/21	\$0	\$50,000	Pending Recording By CA State	2020 Sphere of Influence Amendment and Annexation Proposal					
18-21	1631.000	Corona Road Assessment District	Lather	8/2/18	9/2/21	\$0	\$0	Pending Board Approval of Design Engineer	Corona Road Assessment District					
19-05		Riley Ranch Annexation/Connection	Lather	8/2/18	9/2/21	\$0	\$0	Pending Annexation	Riley Ranch Annexation/Connection					
19-04		Carmel Highlands Sewer Collection System Expansion – Yankee Point and Otter Cove	Lather	3/11/21	3/1/23	\$0	\$0	In Study Phase	Carmel Highlands Sewer Collection System Expansion – Yankee Point and Otter Cove					
		Administration Projects												
20-01	1633.000	Administration Building COVID Control Improvements	Treanor/Foley	6/9/20	12/22/20	\$75,000	\$75,000	Complete	Administration Building COVID Control Improvements					

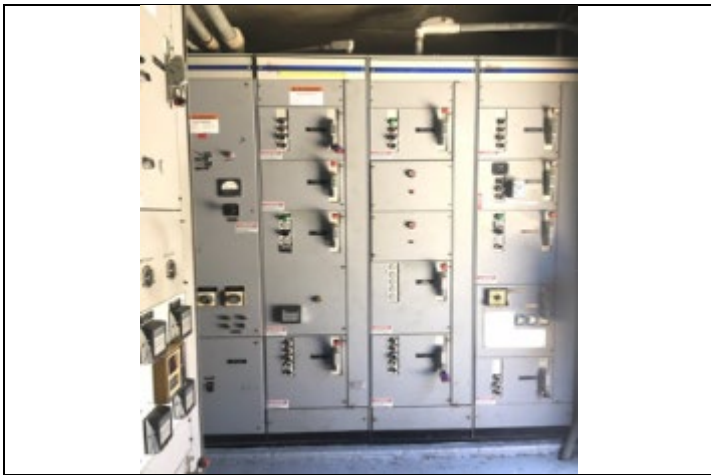


Photo: Existing Headworks Motor Control Center to Be Replaced in Project

Project Number:	18-01	
Project Name:	WWTP - Mech/Elec Rehab & Sludge Holding Tank Replacement Project	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Trenor	
Status:	Bid Phase	
Project Description:	The WWTP Rehabilitation Phase II Project is a multi-area project at the WWTP aimed at mitigating risk of failure in the Influent Pump Station, Headworks, 3W/Chlorine Analyzer Building, Effluent Building and Sludge Storage Tank. Most of the work involves replacing aged electrical and mechanical equipment in existing buildings.	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$10,616,000	\$882,574
Financial:	FY Budget:	FY Spent:
	\$2,905,000	\$12,702
Reclamation Share:	Estimated at 4% of project cost. Actual share TBD based on Construction Costs.	
Other Entities:	Pebble Beach Community Services District, CAWD/PBCSD Reclamation Project	
Permits Required:	Coastal Commission Notification	
Challenges:	Electrical Cutover Coordination	
Schedule:	<ul style="list-style-type: none"> Construction anticipated for 2020 through 2021 	
Consultants:	Design: Kennedy/Jenks Consultants Construction Management: TBD	
Contractor:	TBD	

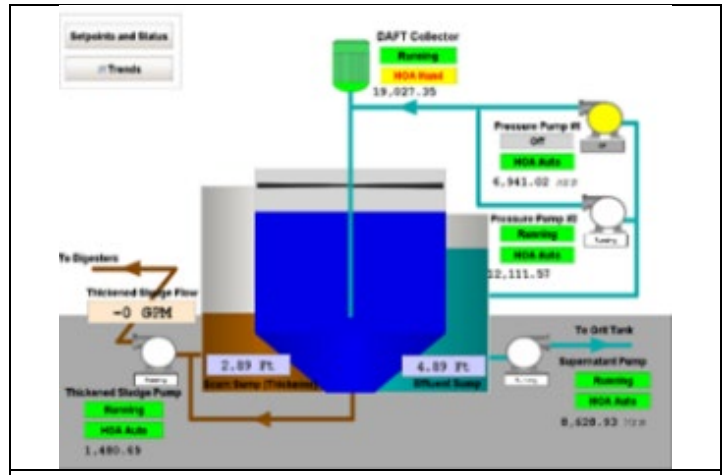


Photo: DAFT SCADA Overview

Project Number:	18-05	
Project Name:	Programmable Logic Controller (PLC) and Supervisory Control and Data Acquisition (SCADA) Programming Project	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Foley	
Status:	SCADA Screens 70% complete	
Project Description:	During the Phase 1 project a new SCADA software package from Inductive Automation was installed to parallel the existing system. This project includes the migration of the remaining SCADA screens from the legacy system to the new system. The PLC code is also being updated to the CAWD standards that are being developed during this project. This project is necessary to replace obsolete software and hardware so that the automated controls, alarms, and reporting remain accurate and reliable.	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$364,715	\$169,856
Financial:	FY Budget:	FY Spent:
	\$240,000	\$66,285
Reclamation Share:	Partial Reclamation	
Schedule:	<ul style="list-style-type: none"> Existing SCADA to be migrated in FY 20/21. 	
Consultants:	Frisch Engineering	



Photo: New Standby Generator

Project Number:	18-08								
Project Name:	Standby Power Reliability Project								
Project Location:	Wastewater Treatment Plant								
Project Manager:	Treanor/Foley								
Status:	Complete								
Project Description:	This project involves purchasing a trailer mounted 500kW generator to serve as a full back up to the existing standby system in case the existing 750kW generator were to fail. The Main Switchgear would be reprogrammed to run off one generator with a standby (instead of the current split bus system). This would allow removal of the existing 450kW generator (which has obsolete controls and only powers half the main Switchgear).								
Department:	Treatment								
Financial:	<table border="1"> <tr> <td>Cumulative Budget:</td> <td>Cumulative Spent:</td> </tr> <tr> <td>\$469,202</td> <td>\$374,154</td> </tr> <tr> <td>FY Budget:</td> <td>FY Spent:</td> </tr> <tr> <td>\$450,000</td> <td>\$354,952</td> </tr> </table>	Cumulative Budget:	Cumulative Spent:	\$469,202	\$374,154	FY Budget:	FY Spent:	\$450,000	\$354,952
Cumulative Budget:	Cumulative Spent:								
\$469,202	\$374,154								
FY Budget:	FY Spent:								
\$450,000	\$354,952								
Reclamation Share:	N/A								
Other Entities:	N/A								
Permits Required:	Air Board Permit								
Challenges:	N/A								
Schedule:	<ul style="list-style-type: none"> Design to be completed in 2019 Completed in Dec 2020 								
Consultants:	Beecher Engineering								
Contractor:	Quinn Power Systems Bryan Mailey Electric								



Photo: Existing Gas Conditioning System

Project Number:	18-11								
Project Name:	Microturbine Integration Project								
Project Location:	Wastewater Treatment Plant								
Project Manager:	Treanor/Foley								
Status:	Test 30kW								
Project Description:	Overhaul of existing gas conditioning system and controls for the microturbines. The existing gas conditioning system has been having repeated mechanical failures which reduces the amount of time the Microturbines are in service. Significant overhaul of controls is needed to integrate the new 65kW turbine. CAWD is looking into a new gas conditioning system in case the existing system is not sufficient to treat the gas after the larger 65kW turbine is placed in service.								
Department:	Treatment								
Financial:	<table border="1"> <tr> <td>Cumulative Budget:</td> <td>Cumulative Spent:</td> </tr> <tr> <td>\$676,000</td> <td>\$55,114</td> </tr> <tr> <td>FY Budget:</td> <td>FY Spent:</td> </tr> <tr> <td>\$100,000</td> <td>\$34,333</td> </tr> </table>	Cumulative Budget:	Cumulative Spent:	\$676,000	\$55,114	FY Budget:	FY Spent:	\$100,000	\$34,333
Cumulative Budget:	Cumulative Spent:								
\$676,000	\$55,114								
FY Budget:	FY Spent:								
\$100,000	\$34,333								
Reclamation Share:	N/A								
Other Entities:	N/A								
Permits Required:	Air Board Permit								
Challenges:	Complexity of System								
Schedule:	<ul style="list-style-type: none"> Ongoing 								
Consultants:	Frisch Engineering (programming)								
Contractor:	TBD								

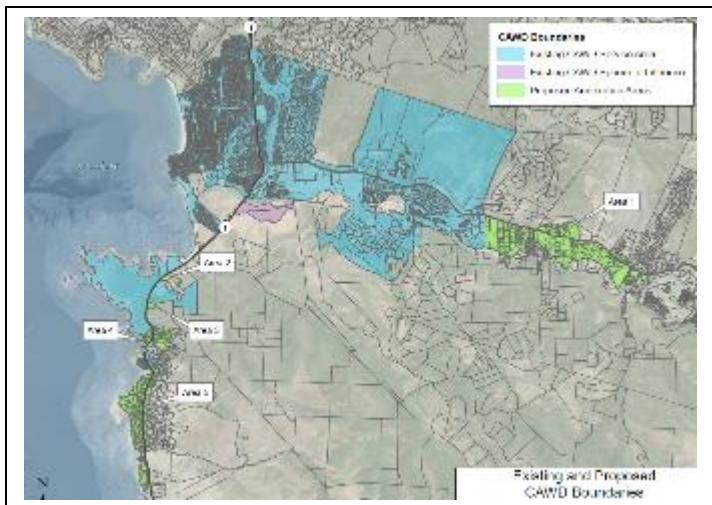


Photo: Areas of Potential Annexation

Project Number:	18-21, 19-04, 19-05, 19-09	
Project Name:	2020 CAWD Sphere of Influence (SOI) Amendment & Annexation Proposal	
Project Location:	Collection System	
Project Manager:	Lathér	
Status:	Pending Recording by CA State	
Project Description:	The project will provide access for homes and businesses currently on septic systems and add approximately 350 connections to the District at build-out. Interested areas include Corona Road, Riley Ranch, Carmel Valley Manor and Yankee Point & Otter Cove.	
Department:	Collections	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$105,000 (55K+50K)	\$51,767
Financial:	FY Budget:	FY Spent:
	\$0	\$26,527
** No Budget included for Annexations b/c costs will be recouped through annexation fees.		
Permits Required:	Environmental Review, LAFCO Annexation Approval	
Challenges:	#18-21 Getting homeowner groups to form a Corona Road Assessment District to pay for infrastructure that is needed to connect to our sewer system.	
Schedule:	LAFCO annexation hearing on 3-22-21. Approved with zero protests.	
Consultant:	Denise Duffy & Associates	



Photo: Existing totes used for Sulfuric Acid storage and Feed

Project Number:	18-26	
Project Name:	RO Pretreatment Acid Tanks and Containment	
Project Location:	Reclamation – MF/RO	
Project Manager:	Treanor	
Status:	Bidding in August	
Project Description:	Code compliance upgrades for existing acid chemical storage and feed system used by Reclamation for enhancing RO recovery. Project includes code compliant secondary containment and separation of dissimilar chemicals.	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$358,506	\$68,506
Financial:	FY Budget:	FY Spent:
	\$290,000	\$0
Reclamation Share:	100%	
Other Entities:	Reclamation Project	
Permits Required:	Coastal Commission Notification	
Challenges:	N/A	
Schedule:	<ul style="list-style-type: none"> • Bid second half of 2020 • Construction 2021 	
Consultants:	Trussell Technologies, Inc	
Contractor:	TBD	



Photo: Eucalyptus trees on South Side of Treatment Plant

Project Number:		18-28
Project Name:		Perimeter Tree Plan and Implementation
Project Location:		Wastewater Treatment Plant
Project Manager:		Treanor
Status:		Determining Tree Types / Final Landscape Plan for Interior
Project Description:		Planning and landscaping around the treatment plant. This will include looking into possibly replacing the non-native eucalyptus trees around the perimeter of the treatment plant with native tree species. The project will start with a study and a plan to determine costs, sequencing schedule, and visual impacts. The eucalyptus trees around the plant have ongoing maintenance costs which may be offset in the long term with different type of tree screening. Purpose is to improve security around plant perimeter.
Department:		Treatment
Financial:	Cumulative Budget:	Cumulative Spent:
	\$213,000	\$2,897
Financial:	FY Budget:	FY Spent:
	\$0	\$0
Reclamation:		N/A
Other Entities:		N/A
Permits Required:		Currently unknown (In Study Phase)
Challenges:		Time it will take for new trees to grow up that will fully screen treatment plant from view
Schedule:		<ul style="list-style-type: none"> Study to occur in 2021
Consultants:		Scott Hall Landscape Design
Contractor:		TBD



Photo: Old Flood Door in Headworks Basement

Project Number:		19-01
Project Name:		Critical Process Onsite Flood Mitigations
Project Location:		Wastewater Treatment Plant
Project Manager:		Waggoner
Status:		Minor Work Proceeding
Project Description:		There are a few areas of the WWTP that may be vulnerable to inundation during a 100-year river flooding event. Although the actual impact to the process in the event of inundation of these areas may be minor, it would be prudent to mitigate any possible impacts of flooding on the treatment process. The areas that could be further adapted to avoid flooding inundation are: Headworks Basement Flood Door, Influent Access Hatch, Secondary Effluent Diversion Structure Hatches, Chlorine Contact Channel Hatches, Waste Gas Burner Operations.
Department:		Treatment
Financial:	Cumulative Budget:	Cumulative Spent:
	\$86,000	\$21,788
Financial:	FY Budget:	FY Spent:
	\$65,000	\$0
Reclamation Share:		15% Reclamation
Other Entities:		Reclamation Project
Permits Required:		Coastal Commission Notification
Challenges:		N/A
Schedule:		<ul style="list-style-type: none"> Planning performed in 2019 Modifications in 2021
Consultants:		N/A
Contractor:		TBD

PRE-TREATMENT ORDINANCE
2020-XX



CARMEL AREA WASTEWATER DISTRICT

Project Number: 19-02		
Project Name: Pretreatment Ordinance		
Project Location: Pretreatment/Collections		
Project Manager: Lathér/De Ocampo/Waggoner		
Status: Scheduling Committee Review		
Project Description: Prepare a Pre-Treatment Ordinance that is in compliance with the current standard of practice and the State Water Resources requirements.		
Department: Treatment		
Financial:	Cumulative Budget:	Cumulative Spent:
	\$0	\$0
Financial:	FY Budget:	FY Spent:
	\$0	\$0
Reclamation Share:	N/A	
Other Entities:	N/A	
Permits Required:	N/A	
Challenges:	None	
Schedule:	<ul style="list-style-type: none"> Committee review of Ordinance pending 	
Consultants:	None	
Contractor:	None	



Photo: View gravity pipe in Carmel easement

Project Number: 19-03		
Project Name: Carmel Meadows Sewer Replacement		
Project Location: Collection System		
Project Manager: Lathér		
Status: In Design / CEQA		
Project Description: The project will replace 1300 feet of Ductile Iron Pipe (DIP) on an aerial span and eight manholes by constructing a small pump station at the end of Mariposa Drive. This project is located on an easement parallel to Ribera Road and was originally installed in the early 1960's.		
Department: Collections		
Financial:	Cumulative Budget:	Cumulative Spent:
	\$1,259,102	\$332,143
Financial:	FY Budget:	FY Spent:
	\$185,445	\$105,607
Permits Required:	Coastal Permit and Environmental Review	
Challenges:	Redirecting the sewer to the pump station without requiring booster pumps for individual houses.	
Schedule:	Design FY20/21. Construct FY21/22.	
Consultants:	SRT Consultants	
Contractor:	TBD	



Photo: Entrance to Carmel Valley Manor

Project Number:			19-08
Project Name:			Carmel Valley Manor Pipeline and Pump Station
Project Location:			Collection System
Project Manager:			Lathér
Status:			Design by Owner – Construction Planned upon Completion of Annexation
Project Description:			Sewer extension project to be completed by the owners of Carmel Valley Manor to connect to CAWD’s sewer system.
Department:			Collections
Financial:	Cumulative Budget:	Cumulative Spent: \$180	
	\$0		
Financial:	FY Budget:	FY Spent: \$180	
	\$0		
Reclamation Share:		0%	
Other Entities:			
Permits Required:		County Encroachment Permit, Environmental Review in process	
Challenges:		Funding, Repayment Agreement, LAFCO annexation	
Schedule:		3-22-21 LAFCO hearing. Approved without Protest	
Consultants:		MNS and Rincon are working for Carmel Valley Manor to permit and design the project.	
Contractor:		N/A	



Photo: View of proposed sewer line realignment

Project Number:			19-13
Project Name:			Upper Rancho Cañada Pipe Relocation
Project Location:			Collection System
Project Manager:			Lathér
Status:			Construction Starting June 14th
Project Description:			This project relocates an existing sewer trunk line that serves the eastern most assets of the District and is located within the proposed County Park at Rancho Cañada. The trunk line varies in size from a 12-inch to 8-inch diameter and is made of Truss pipe material that was installed in the early 1970's. The pipe is damaged in many locations, has capacity issues, and was identified as a priority in the Asset Management Plan.
Department:			Collection
Financial:	Cumulative Budget:	Cumulative Spent: \$146,433	
	\$1,822,991		
Financial:	FY Budget:	FY Spent: \$83,442	
	\$1,760,000		
Other Entities:			Monterey Regional Park District
Permits Required:			Environmental Review
Challenges:			Providing a design that allows CAWD access to assets and is acceptable to the Park District.
Schedule:			Design FY 19/20. Construct FY 20/21.
Consultants:			MNS Engineering Rincon Environmental



Photo: Existing air diffuser system

Project Number:	19-19	
Project Name:	WWTP – Aeration Basin Improvements	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Waggoner	
Status:	Materials Onsite Pending Installation in June	
Project Description:	The Aeration Basins 4A & 4B need to have additional diffusers installed to ensure the proper air (oxygen) transfer into the wastewater to support the aerobic microorganisms in the basins.	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$40,000	\$9,030
Financial:	FY Budget:	FY Spent:
	\$40,000	\$9,030
Reclamation Share:	Estimated at 0% of project cost.	
Other Entities:	CAWD/PBCSD Reclamation Project	
Permits Required:	No permits as project is preventative maintenance project	
Challenges:	Weather conditions and Scheduling	
Schedule:	<ul style="list-style-type: none"> Design is complete Materials ordered and received Construction anticipated for Spring 2021 	
Consultants:	In house (Design Plant Engineer), Environetics for Baffles	
Contractor:	TBD	

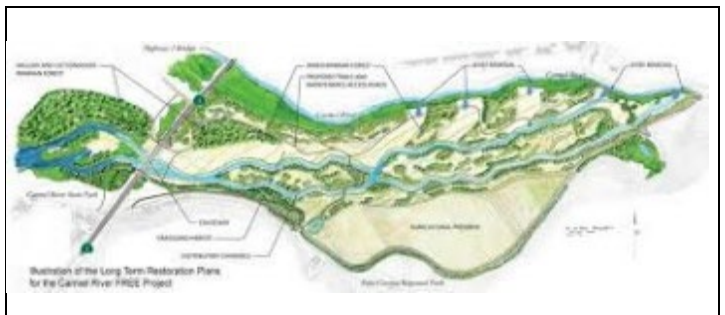


Photo: Carmel River Floodplain Restoration and Environmental Enhancement (CRFREE)

Project Number:	19-21	
Project Name:	Carmel River FREE Mitigation	
Project Location:	Carmel River Lagoon	
Project Manager:	Treasor	
Status:	Design/CEQA/Developing Funding Agreement	
Project Description:	The CRFREE Project intends to create a new river channel in the Carmel River lagoon floodplain which will significantly impact existing wastewater pipelines which 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:	Grant Budget:	Cumulative Spent:
	\$750,000	\$217,963
Financial:	Grant FY Budget:	FY Spent:
	\$750,000	\$217,963
** Project is being funded by CRFREE initiated grants		
Reclamation Share:	0%	
Other Entities:	Monterey County	
Permits Required:	Coastal Commission, CA Fish and Wildlife, Army Corp of Engineers, Regional Water Quality Control Board (RWQCB)	
Challenges:	Construction near Environmentally Sensitive Habitat and obtaining new Easement from State Parks	
Schedule:	<ul style="list-style-type: none"> Design and CEQA anticipated completion Summer 2021 Construction anticipated in Summer 2022 	
Consultants:	Design: Kennedy Jenks and Staheli Trenchless CEQA: Johnson Marigot	
Contractor:	Pending	



Photo: Admin Building Permit Desk

Project Number:	20-01	
Project Name:	Administration Building COVID Control Improvements	
Project Location:	Administration Building	
Project Manager:	Treanor/Foley	
Status:	Complete	
Project Description:	HVAC Improvements to control airborne viruses, enclosure of permit desk to eliminate contact between staff and visitors.	
Department:	Administration	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$75,000	\$62,824
Financial:	FY Budget:	FY Spent:
	\$75,000	\$62,824
Reclamation Share:	0%	
Other Entities:	None	
Permits Required:	Building Permits	
Challenges:	Emerging science around COVID-19	
Schedule:	<ul style="list-style-type: none"> • Design June and July 2020 • Construction complete 	
Consultants:	Design: Davner Engineering	
Contractor:	Coast Counties Glass	



Photo: WWTP Stormwater Pump Station

Project Number:	20-02	
Project Name:	WWTP Stormwater Pollution Prevention Plan Update	
Project Location:	Treatment Plant	
Project Manager:	Treanor/Dias	
Status:	Complete	
Project Description:	Update to the existing CAWD WWTP Stormwater Pollution Prevention Plan as required by the National Pollution Discharge Elimination System (NPDES) General Stormwater Permit	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$35,000	\$23,923
Financial:	FY Budget:	FY Spent:
	\$35,000	\$23,923
Reclamation Share:	0%	
Other Entities:	None	
Permits Required:	Part of General Stormwater Permit	
Challenges:	None	
Schedule:	<ul style="list-style-type: none"> • Plan Development in 2021 	
Consultants:	Kennedy Jenks Consultants	
Contractor:	N/A	



Photo: River Watch logo

Project Number:	20-05	
Project Name:	River Watch Agreement	
Project Location:	Collection System	
Project Manager:	Lathér	
Status:	Work in Progress	
Project Description:	Work with collections to provide data that is needed to satisfy the milestones in the agreement with River Watch.	
Department:	Collections	
Financial:	Cumulative Budget: N/A	Cumulative Spent: N/A
	FY Budget: N/A	FY Spent: N/A
Reclamation Share:	0%	
Other Entities:	River Watch	
Permits Required:	none	
Challenges:	CCTV scheduling deadlines. The Board agreed to increase staffing by 1 FTE to assist us in meeting the required schedule. New employee started 11-20-20. Received 1 yr. extension from River Watch due to COVID-19.	
Schedule:	Due date June 2023	
Consultants:		
Contractor:	N/A	

FY 2021/21 (Rev 20/21)											
Project #	PROJECT	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	Canal Mainline Pipeline (Canal Over)	\$185,415	\$1,000,000								
2	Malibu Canyon Pipeline Pipe Replacing	\$1,426,000									
3	Pipe Repair Coastal Pipe Reconnection	\$1,700,000									
4	New Sewer PS Rehabilitation	\$180,000	\$150,000	\$150,000							
5	Sanon Pipe Replacing - Ocean to San	\$240,000	\$90,000	\$90,000							
6	Problems Cooks Area Pipe Repair	\$225,000	\$125,000								
7	Theoretical Upgrade at Thousand Oaks Station	\$140,000									
8	Waste Transfer PS and Sewers - South of Santa Anita		\$150,000				\$200,000				
9	17th St. Upgrade in San Diego		\$150,000				\$1,000,000				
10	Canal Waste Sewer Rehabilitation						\$400,000	\$1,000,000			
11	Canal La Cruz PS Rehabilitation						\$1,000,000	\$1,000,000			
12	Sanon & San Carlos - Ocean to San						\$125,000				
13	Sanon Station Pipe Replacing 4th to 10th						\$120,000	\$60,000			
14	Sanon PS area access upgrade						\$200,000	\$1,000,000	\$1,000,000		
15	Sanon Street Pipe Replacing 4th to 10th						\$150,000				\$80,000
16	Sanon Street and Cooks/ps Pipe Replacing										\$100,000
17	Canal Road 200-200, 4th & Wilton Avenue									\$100,000	\$1,000,000
18	Sanon Sanon Street						\$100,000				\$500,000
19	Plant Repair @ various locations						\$100,000	\$400,000	\$300,000		\$500,000
20	Sanon Sanon Street Rehabilitation										
21	Sanon Sanon Street Rehabilitation										
22	Sanon Sanon Street Rehabilitation										
23	Downing Pl. at Thousand Oaks (20% Contingency)	\$1,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000
Collections 20Yr CIP		\$1,965,415	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000
PSMA Grant Funding		\$683,075	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other State		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CANAL CIP		\$2,152,490	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000	\$2,150,000

Photo: LT Capital Schedule

Project Number:	20-06	
Project Name:	Collections 20-Year CIP	
Project Location:	Collection System	
Project Manager:	Lathér	
Status:	Work in Progress	
Project Description:	Utilize updated sewer line inspection information and flow modeling to develop a 20-year Construction Improvement Plan	
Department:	Collections	
Projection of Total Capital Costs-20Yr	Construction Costs: \$50,000,000	Administration Costs: \$10,000,000 (20% engineering, legal, admin)
Financial:	Cumulative 15YR Budget: EST \$30M	Cumulative Spent: N/A
	FY Budget: N/A	FY Spent: N/A
Reclamation Share:	0%	
Other Entities:	River Watch	
Permits Required:	none	
Challenges:		
Schedule:	2020 - 2040	
Consultants:	West Yost	
Contractor:	N/A	



Photo: Looking at Pump Station Exterior

Project Number:			20-07
Project Name:			Bay/Scenic Pump Station Rehabilitation
Project Location:			Collection System
Project Manager:			Lathér
Status:			In Design
Project Description:			Remodel the interior of the pump station and update SCADA panel to remove from areas prone to flooding.
Department:			Collections
Financial:	Cumulative Budget:	Cumulative Spent:	
	\$600,000	\$0	
Financial:	FY Budget:	FY Spent:	
	\$100,000	\$0	
Reclamation Share:		0%	
Other Entities:		Carmel-by-the-Sea, Coastal	
Permits Required:		Exemptions from CEQA & Coastal	
Challenges:		Traffic Control	
Schedule:		Design 2021, Construct 2022	
Consultants:		Pending	
Contractor:		Pending	



Photo: Pipe Bursting Limits on Scenic

Project Number:			20-08
Project Name:			Scenic Rd Pipe Bursting - Ocean to Bay
Project Location:			Collection System
Project Manager:			Lathér
Status:			In Design
Project Description:			Replace approximately 4,950 linear feet of existing 6-inch clay pipe with a new 8-inch (HDPE) Includes manhole rehabilitation.
Department:			Collections
Financial:	Cumulative Budget:	Cumulative Spent:	
	\$1,400,000	\$0	
Financial:	FY Budget:	FY Spent:	
	\$200,000	\$0	
Reclamation Share:		0%	
Other Entities:		Carmel-by-the-Sea, Coastal	
Permits Required:		Exemptions from CEQA & Coastal	
Challenges:		Traffic Control	
Schedule:		Design 2021, Construct 2022	
Consultants:		Pending	
Contractor:		Pending MNS	



Photo: WWTP Aerial Showing Eucalyptus Trees Around Perimeter

Project Number:		21-01	
Project Name:		WWTP Eucalyptus Pruning	
Project Location:		Wastewater Treatment Plant	
Project Manager:		Treanor	
Status:		Biological Surveys / Pending Bidding in Non-Nesting Season	
Project Description:		Trim Eucalyptus Trees around WWTP to control overgrowth of trees and mitigate spread of non-native tree.	
Department:		Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:	
	\$180,000	\$0	
Financial:	FY Budget:	FY Spent:	
	\$180,000	\$0	
Reclamation Share:		0%	
Other Entities:		N/A	
Permits Required:		Coastal Commission Notification, County Tree Cutting Permit	
Challenges:			
Schedule:		Tree Trimming anticipated during non-nesting season (fall-winter 21/22)	
Consultants:		Burlison Consulting (Environmental Monitoring) Frank Ono (Arborist)	
Contractor:		TBD	



Photo: Sewer Line Repair

Project Number:		21-02	
Project Name:		2021 Pipeline Spot Repairs	
Project Location:		Collection System	
Project Manager:		Lathér	
Status:		Design In-House	
Project Description:		Repairs to damaged sections of pipe at various locations throughout the District as noted in sewer video inspections	
Department:		Collections	
Financial:	Cumulative Budget:	Cumulative Spent:	
	\$150,000 (FY21-22)	\$0	
Financial:	FY Budget:	FY Spent:	
	\$150,000 (FY21-22)	\$0	
Reclamation Share:		0%	
Other Entities:		N/A	
Permits Required:		none	
Challenges:		Traffic control in area of town, depth of repair.	
Schedule:		Complete by June 2021	
Consultants:		N/A	
Contractor:		N/A	



Photo: Impressed Current Rectifier

Project Number:	21-03	
Project Name:	Cathodic Protection Testing	
Project Location:	Treatment Plant	
Project Manager:	Treanor	
Status:	Testing Complete – Evaluation of Results Pending	
Project Description:	Testing and evaluation of existing 50-year old impressed current cathodic protection system for WWTP Ocean Outfall, and improvements design.	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$30,000	\$0
	FY Budget:	FY Spent:
	\$30,000	\$0
Reclamation Share:	0%	
Other Entities:	N/A	
Permits Required:	None	
Challenges:	None	
Schedule:	Complete by June 2021	
Consultants:	Trident Corrosion Engineering	
Contractor:	N/A	

STAFF REPORT

To: Board of Directors

From: Ed Waggoner
Operations Superintendent

Date: May 27, 2021

Subject: Monthly Operations Report – April 2021



RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

Plant Operation

Treatment Plant:

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

Reclamation:

- Staff has 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) using Enzyme cleans on Microfiltration Cells 1, 2 and 3. All cells cleaned successfully with Trans Membrane Pressures (TMPs) pressures ranging between 5.7 to 8.5 pounds per square inch (psi).
- Final repair of Blend Line with Belzona pipe wrap completed with system in full operation.
- Staff slowly returned stored storm water from Anaerobic Digester #1 back into the treatment plant to be processed by the Reclamation Facility for golf course irrigation.

Training:

- Staff is continuing to complete online training at the treatment facility from Target Solutions as Carmel Area Wastewater District implements its new safety policies for the Exposure Control Plan updates for the COVID-19 virus.
- Staff continues to participate in a scheduled tailgate safety meeting with Collections leading the way by holding the meetings in the truck bays so social distancing can be practiced.
- Staff received Mainsaver training from Joe Grassi on April 12 and 13 on the Inventory and Spare parts Module.

Capital Improvement:

- Staff continues working with Plant Engineer, Patrick Treanor (CAWD), 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

- No outside meetings for the month of April.

Discharge Permit Violations

- There were no Reclamation Permit 93-72 discharge violations for the month of March 2021.
- There were no Violations of the National Pollutant Discharge Elimination System (NPDES) Number CA0047996, Order No. R3-2014-0012 within the month of March 2021.
- Staff has received no feedback from Central Coast Regional Water Quality Control Board on the submitted Toxicity Reduction Evaluation (TRE) Work Plan for Order No. RCA0047996 as set forth in Section V.2.a. Toxic Reduction Requirements on November 11, 2020. This plan is currently under review by the Central Coast Executive Officer to be certified for future use if needed.
- Staff contacted Central Coast Regional Water Quality Control Board requesting an updated timeline for the renewal of the following Permits. Reclamation Permit 93-72 and NPDES Order No. R3-2014-0012. The contact person with the Central Coast Regional Water Quality Control Board stated that it could be one to two more years before new permits would be approved. Until such time CAWD needs to continue operating and reporting under Permits 93-72 and R3-2014-0012.

FUNDING

N/A-Informational item only

STAFF REPORT



To: Board of Directors

From: Chris Foley, Maintenance Superintendent

Date: May 27, 2021

Subject: Monthly Maintenance Report – April 2021

RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

Maintenance Projects in Progress/Completed

- (Project 18-06) The blower and aeration basin Supervisory Control and Data Acquisition (SCADA) screens have been migrated. Improvements include automated lead/lag of the Turblex blowers, simplified alarming and better process control of the dissolved oxygen content in the aeration basins. Staff has contacted Blower-Compressor-Vacuum (BCV) Systems to assist with tuning the system to optimize energy demand while minimizing risk of surging the blowers.
- Update: A minor leak was discovered on an 8" pipe connection during the spot coating maintenance in the contact channel basement pipe gallery. Staff applied a temporary patch and the plant engineer recommended pipe wrapping as a permanent solution. Staff is scheduled a planning meeting for the removal of the obsolete chemical piping and to develop a plan to drain the piping so the repair can be completed.
- (Project 18-11) The 30-kilowatt microturbine is available but currently not running. The 65-kilowatt microturbine is running and able to consume all the available digester gas produced. The system is in review by staff to determine future goals to add capacity so more electricity can be generated.

- Update: A replacement flow meter was ordered for the natural gas line to the digester boiler. Once installed it will be integrated into the SCADA System and provide real time flow values when the boiler is consuming natural gas. This work was rescheduled for May. A certified welder is required to install the new piping.

Upcoming Maintenance Projects

- (Project 19-01) Mathews Mechanical is scheduled to remove an obsolete mixer from the chlorination contact channels. After removal of the mixer a cover will be fabricated to prevent possible flood water from entering the effluent flow stream. Mathews Mechanical will also be tasked with replacing the remaining original 6" valves in the headworks pump room. The valves are past their useful life and provide isolation for the primary clarifiers and headworks pumps. This is considered a safety and maintenance improvement since the existing valves were so difficult to operate that they posed a strain risk to staff. The new valves have gear reduction wheels.
- (Project 18-05) SCADA work continues with support from Frisch engineering. The effluent pump station and sodium hypochlorite are scheduled to be migrated next. The treatment plant SCADA will then be fully migrated to the Ignition platform.

Staff Development

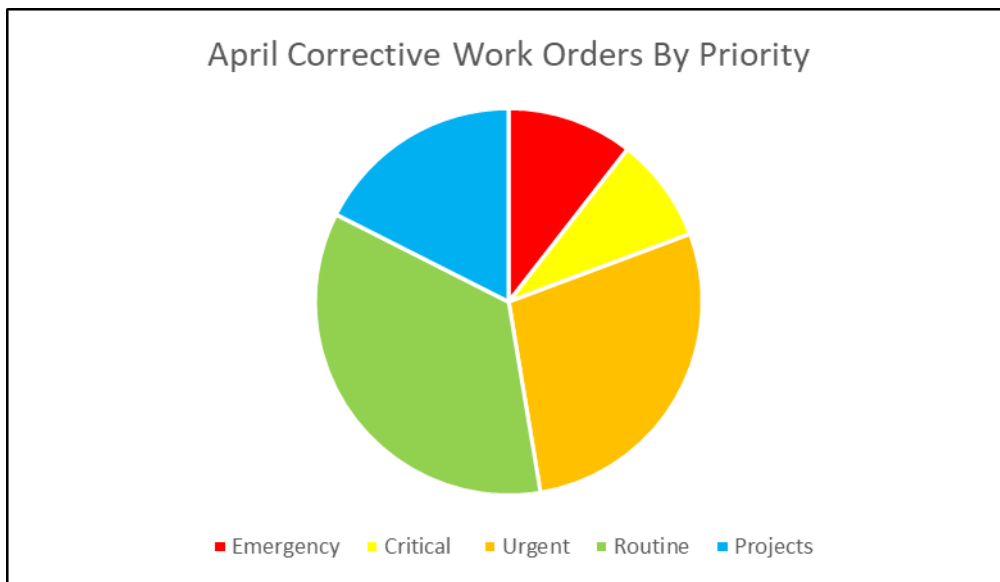
- Staff is gathering information on employee performance management (PM) systems. After staff reviews the available offerings, a recommendation will be provided to the General Manager. This would replace and expand on the existing Excel based annual employee performance evaluation. A PM system would provide a software platform to continually monitor employee development, set and track goals with metrics, and streamline the performance review process.
- A cyber security network team has been formed. This team includes a representative from each department. The team will work together to develop Internet Technology response plans and be cross trained to respond to failures and cyber threats.

Work Order Metrics

Preventive Maintenance

Total Work Orders Generated	388
Total Work Orders Closed/Done	370
Total Work Orders Still Open	18
Percentage of Work Orders Completed	95.36%

Corrective Maintenance



Emergency	6
Critical	5
Urgent	16
Routine	20
Projects	10

FUNDING

N/A- Informational item only

STAFF REPORT



To: Board of Directors
From: Rachél Lather, Principal Engineer
Date: May 27, 2021
Subject: General Engineering

RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

This report is provided to update the Board on current engineering activities during the month of April 2021.

General Engineering

The Principal Engineer continues to work on projects related to the 2021 Annexation, including Yankee Point, Carmel Valley Manor and Corona Road.

Carmel Valley Manor (CVM) is continuing to work on their project to connect to the District and plan to construct in 2021. They have submitted 100% plans and specification for review by staff. They are working on the easement agreement for the pump station located on the Quail Lodge property, working with our attorneys to develop a repayment plan with CAWD for future connections to the pipeline, and have been working with the Principal Engineer to calculate their connection fee. There has been a great deal of interest by owners adjacent to this project regarding connecting to the sewer.

The Yankee Point/Spindrift agreement has been signed and the engineering contract is signed. The project kickoff meeting was completed on March 3, 2021 and the engineer is actively working towards completing the study.

Corona Road project funds have been collected and the contracts have been sent to the consultants. We are currently waiting for Monterey Bay Engineering to sign their contract in order to kick-off the project.

During this period, the Principal Engineer continued to work with the Monterey Regional Parks District and the Santa Lucia Conservancy to develop a satisfactory easement agreement. This entailed changes to the design and pipeline alignment, as well as defining parking locations for workers and signage. As of May 14, all easement agreements are fully executed.

The Pretreatment Ordinance has been provided to the Ordinance Committee for review and the Principal Engineer is working with the members of the committee to select a date for meeting in June to discuss the ordinance.

Utilizing our recently developed manhole inspection Geographical Information Systems (GIS) application, we have determined that 8 manholes on 2nd Avenue that are located near Pescadero Creek should be lined soon. They are all brick manholes that are over 80 years old and are in "Poor" condition. We plan to proceed with the lining project in June 2021 and it should take 5 days and cost under \$30,000. The rehabilitation work will be utilizing a monolithic spray application of a high-build, rigid, and solvent free polyurethane coating.

The Scenic Drive pipe bursting project design has begun with plans to start a geotechnical investigation at the end of May. It consists of completing 5 borings at various locations along the alignment and will take one day to complete. We will be providing door hangers regarding the work to homes in the vicinity of the drilling locations a few days prior to initiating the work, as requested by the City Public Works Director.

Meetings

The Principal Engineer has been attending meetings and actively participating in the review and comments of the proposed updated Sanitary Sewer System Waste Discharge Regulation for collections systems.

As the Collections Committee Chair, the Principal Engineer participated in virtual tours of the top six collections systems that were competing for the "Collections System of the Year" title. The interviews were completed on April 2, 2021 and took an entire day.

FUNDING

N/A- Informational item only

Resolutions

STAFF REPORT



To: Board of Directors
From: Barbara Buikema, General Manager
Date: May 27, 2021
Subject: Reclamation Budget 2021-22

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution approving the CAWD/PBCSD Fiscal Year 2021-22 Reclamation Project Budget.

DISCUSSION

The CAWD/PBCSD Reclamation Project Fiscal Year 2021-22 Budget was approved at the Technical Advisory Committee group level on May 4, 2021. Final approval was given by the Reclamation Management Committee (RMC) at its May 11, 2021 meeting. A copy of the Project 2021-22 Budget is attached.

Items approved by the RMC are brought to the CAWD or PBCSD Board, as appropriate, for approval and any applicable resolution.

FUNDING

All funding is covered by the Reclamation Project or by the Pebble Beach Company and Independent Reclaimed Water Users Group, as project guarantors.

Attachment:

- CAWD/PBCSD Reclamation Project 2021-22 Budget

**CAWD/PBCSD RECLAMATION
PROJECT**

2021-22 BUDGET

Reviewed by Technical Advisory Committee (TAC) on May 4, 2021

Presented to Reclamation Management Committee (RMC) on May 11, 2021

CAWD/PBCSD Reclamation Project
2021-22

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**CAWD/PBCSD RECLAMATION PROJECT
2021-22 BUDGET SUMMARY**

	Actual 2019-20	Estimated Actual 2020-21	2020-21 Budget	Proposed 2021-22 Budget	Inc/(Dec) Proj.Actual 2021-22	Proposed to Budget 2021-22
User Revenue						
Water Sales	3,014,672	2,029,773	2,649,508	2,884,000	42.08%	8.85%
Non Operating Share	4,048,616	4,120,603	4,120,603	4,116,000	-0.11%	-0.11%
Operating Expenses						
Plant Operating Expenses	1,845,355	1,798,700	1,847,900	2,004,872	11.46%	8.49%
PBCSD Expenses	444,670	424,422	505,000	550,250	29.65%	8.96%
CAWD Admin. Expenses	106,928	88,735	88,893	94,387	6.37%	6.18%
MPWMD Admin. Expenses	53,610	46,961	60,427	49,160	4.68%	-18.65%
PBCo / IRWUG Expenses	50,511	46,129	50,538	53,775	16.58%	6.41%
Potable Water Costs	3,517	6,900	6,750	6,750	-2.17%	0.00%
MPWMD fee	76,842	71,676	90,000	90,000	25.57%	0.00%
	2,581,434	2,483,523	2,649,508	2,849,194	14.72%	7.54%
Operating Income/(Loss) before Amortization	4,481,854	3,666,853	4,120,603	4,150,806	13.20%	0.73%
Non Operating Revenues/(Expenses)						
Interest Income	33,923	2,767	35,265	30,170	990.55%	-14.45%
Bond Carrying Costs	(21,179)	(17,159)	(28,735)	(25,000)	45.70%	-13.00%
Bank charges	(72)	0	(125)	(75)	n/a	-40.00%
Interest to MPWMD	(20,333)	(22,875)	(22,875)	(7,625)	-66.67%	-66.67%
Principal Pymt to MPWMD	1,000,000	(500,000)	(500,000)	(500,000)	0.00%	0.00%
LC Carrying Costs	(76,664)	(47,574)	(48,000)	(28,800)	-39.46%	-40.00%
COP Interest Expense	(76,688)	(3,689)	(51,000)	(18,200)	393.32%	-64.31%
COP Principal Payment	(2,300,000)	(2,400,000)	(2,400,000)	(2,500,000)	4.17%	4.17%
Interest on Principal Advanced	(70,870)	(61,965)	(70,000)	(70,000)	12.97%	0.00%
Past LC fees/Bond Carry Cost	(552,000)	(552,000)	(552,000)	(552,000)	0.00%	0.00%
Contribution to Reserves	0	0	0	(158,000)	n/a	n/a
	(2,083,883)	(3,602,496)	(3,637,470)	(3,829,530)	6.30%	5.28%
Income/(Loss) before Capital	2,397,971	64,357	483,133	321,276	399.21%	-33.50%
Capital Budget						
Purchases	56,007	9,763	115,733	164,750	1587.49%	42.35%
Improvement Projects	2,123,696	5,124	722,400	959,900	18633.41%	32.88%
	2,179,703	14,887	838,133	1,124,650	7454.58%	34.19%
Net Income/(Loss)	218,268	49,470	(355,000)	(803,374)	-1723.97%	126.30%
Less Unspent Capital & O&M				(803,374) 0		
Balanced Net Income	218,268	49,470	(355,000)	0	-100.00%	-100.00%
Amortization Exp	1,680,274	1,680,000	1,600,000	1,680,000	0.00%	5.00%

**CAWD/PBCSD RECLAMATION PROJECT
REVENUE PROJECTIONS
FY 2021-22**

Description	Acct. No.	Actual 2019-20	Estimated Actual 2020-21	2020-21 Budget	Proposed 2021-22 Budget	Comments
Revenue						
Interest Income - County	99906	39	10	50	40	O&M operating funds are on deposit with the County of Monte
Interest Income - Bank of America	99904	18	17	100	40	Water sales revenue funds are invested in money market acc
Interest Income- (O&M Reserve & Cap Repl)	99908	11,597	5,348	20,000	15,000	Renewal & replacement funds invested in highly rated comm'l
Gain (loss) on Securities	99936	22,167	(2,636)	15,000	15,000	
Interest Income - Union Bank (O&M)	99910	90	22	100	75	
Interest Income - Wells Fargo Escrow Acct	99912	12	5	15	15	
Other Revenue	99945	0	0	0	0	
Water Sales (inc. late pmts)	52000	3,014,672	2,029,773	2,649,508	2,884,000	See schedule p. 17
Fixed Cost Charge		4,048,616	4,120,603	4,120,603	4,116,000	Increase due to resumption of Districts User Fee on Cal-Am bills
MPWMD fees (8.325%)	53000	(76,842)	(71,676)	(90,000)	(90,000)	
TOTAL REVENUE		7,020,369	6,081,466	6,715,376	6,940,170	3.34% increase from 20-21 budget 14.12% increase from 20-21 Projected actual

Note 1: The origin of the 8.325% charge is based on the premise that all users of water provided by the Reclamation Project will pay the exact same cost as they would pay for a similar quantity of potable water. The specific provision related to the MPWMD User Fee is contained in Section 5, Bond Carrying Costs, Operation and Maintenance Expenses and Operating Revenues, of the Financing Implementation Agreement Relating to Wastewater Reclamation Project dated Dec 1, 1992.

**CAWD/PBCSD Reclamation Project
Operations and Maintenance Budget
Fiscal Year 2021-22**

ITEM	Acct No.	Actual 2019-20	Estimated Actual 2020-21	2020-21 Budget	Proposed 2021-22 Budget	Comments/Notes
PLANT OPERATING EXPENSES:						
Plant Salaries, Benefits & Overhead						
Plant Superintendent	61100	20,449	17,196	20,028	17,385	
Laboratory Supervisor	61200	27,870	36,309	31,510	36,709	
Laboratory Technicians	61300	68,000	60,239	65,394	60,902	
Plant Operators	61400	149,824	155,495	148,950	157,205	
Maintenance Supervisor	61450	9,485	9,799	12,017	9,907	
Maintenance Mechanics	61500	21,823	32,167	22,680	37,521	Need to increase to 150% of FY21-22 for minor equipment reconditioning-CF
Safety Officer		8,820	8,749	8,717	8,845	Add \$5K to Maintenance for painting projects
Plant Engineer		20,763	8,547	15,108	30,000	Increase due to Sulfuric Acid Project and Asset Analysis & Equip wrapping
Differential PR	62000	16,858	15,768	12,986	15,942	
Payroll Taxes, Benefits & Indirect Overhead	62100	182,372	172,134	168,695	187,207	
TOTAL PLANT SALARIES		528,263	516,403	506,085	561,622	COLA 1.1%
Energy Cost						
Tertiary Operations	63300	156,063	188,228	173,075	197,287	PG&E classifies as E-19 Secondary. Increase is 2.9% but increases again during the year. Assume aggregate increase of 8%
MF/RO Pad	63400	223,506	230,172	244,560	248,586	PG&E classifies as Small Comm'l. Increase is 5.5% but Small Comm'l is variable throughout the year. Assume aggregate increase of 8%
Secondary Costs - EQ Basin PD Blower	63500	145,342	125,944	144,525	132,241	proposed 5% increase by PG&E.
SUBTOTAL		524,912	544,345	562,160	578,114	
Chemical Costs:						
Clean-in-place chemicals	64200	32,976	25,070	25,000	25,000	No increase expected by vendor. Extra CIP's due to membrane age
Antiscalant	64400	15,049	27,725	25,700	25,700	No increase expected by vendor
Phenylarsine oxide	64410	373	735	900	1,035	Acme's estimated increase of 15%
Acetate buffer solution	64420	189	235	250	288	Acme's estimated increase of 15%
Iodine solution	64430	120	253	250	288	Acme's estimated increase of 15%
Citric Acid	65160	17,443	19,489	20,000	21,600	Vendor estimated increase of 8%
Sulfuric Acid	65170	27,355	31,865	30,000	30,000	No increase expected by vendor
Acetic Acid	65180	798	700	800	920	Acme's estimated increase of 15%
Sodium Bisulfite	65200	40,541	54,040	45,000	57,700	Estimated budget amount based on 12 months of water production
Sodium Hypochlorite	65250	27,709	27,965	45,000	35,000	Estimated budget amount based on 12 months of water production
Polymer	65400	13,430	17,195	18,000	18,000	No anticipated increase by the vendor. 4 totes/year
Gypsum	65500	0	7,500	7,500	0	System will be back on-line
Miscellaneous chemicals	65600	157	1,000	1,000	1,150	Acme's estimated increase of 15%
Potassium Hydroxide	65700	22,726	30,000	35,000	28,000	No increase expected by vendor. Currently only one delivery per year
Potassium iodate solution	65725	735	600	600	690	Acme's estimated increase of 15%
Potassium iodide	65750	2,012	2,250	2,250	2,558	Acme's estimated increase of 15%
Ammonia Hydroxide	65800	58,008	58,281	60,000	63,000	Increase expected by vendor but no specifics at this time (2/22/2021). Added 5%
Phosphoric Acid	65900	28,690	0	0	0	No longer needed
						Phos 58, RE300, Neo Water FX (1.25 totes /month). Optimal dosage to lower phosphorus concentration to 1 mg/L from the flow stream prevents calcium phosphate depositing on the RO membranes on stages 3 & 4 of the system. Less calcium phosphate reduces clean-in-place frequencies and can increase recovery.
PHOS-58	65910	0	38,330	0	67,875	Recommendation reviewed by Trussell Technologies.
Low Mag Ferric	64150	4,090	4,160	0	0	Won't be used during this fiscal year
Enzymes - RE300	65920	0	1,650	35,000	6,750	Should be for only MF enzymes CIP's. Not RE300 (move to 65910)
SUBTOTAL		292,402	349,043	352,250	385,554	
Operating Supplies - Plant						
Repairs & Maintenance	66100	94,331	78,160	90,000	78,000	Targeted VFD replacement (\$12,000)
Plant Pumps	66190	16,383	13,537	30,000	20,000	Recondition Reclamation Pump Motor 931 (\$5000), Pump spare parts up to a 5% increase per the vendor but current budget amount will cover this possible increase
Laundry	66200	752	636	1,500	1,500	
Lubricants/Packing	66300	0	0	1,000	1,000	
Electrical Supplies	66400	9,223	9,877	12,000	12,000	Conduit, wire, breakers for electrical maintenance and repair

**CAWD/PBCSD Reclamation Project
Operations and Maintenance Budget
Fiscal Year 2021-22**

ITEM	Acct No.	Actual 2019-20	Estimated Actual 2020-21	2020-21 Budget	Proposed 2021-22 Budget	Comments/Notes
						Increase budget 5% to \$30,450 lab general supplies (includes extra analysis for superintendent) , (Hach Turbidimeter \$3,037.29 (50/50) ,UV lamp \$250(50/50),ISCO replacement Sled \$1472 (all Reclamation cost), Isco Portable Sampler (2 new samplers) \$4179.48/each (all Reclamation cost), IDEXX Quanti Tray-sealer \$4000 (50/50)
Laboratory Supplies	66500	30,699	40,474	29,000	44,000	
Paint	66600	0	0	0	5,000	Painting projects done by Maintenance dept.
Postage & Office Supplies	67000	202	755	500	500	MF or RO membrane autopsy shipping
First Aid Supplies	67100	184	0	200	200	
Janitorial Supplies	67100	0	0	200	200	brooms, buckets, cleaning supplies, dust pans, trash cans
Personnel Supplies	67400	22	414	1,000	1,000	Gloves, misc
Hand Tools	67600	280	864	1,000	1,000	Misc tool replacement, speciality tools for MF
General Operating Supplies	67700	3,575	2,680	0	2,000	general supplies
Safety	67800	106	1,541	4,000	2,500	Safety equipment and supplies, Confined space equipment and Self-Contained Breathing Apparatus maintenance
Training	67900	0	1,705	5,000	2,500	Specific MF/RO and reporting classes on Operations and Safety Training,
		155,756	150,642	175,400	171,400	
Membrane Costs						
						Purchase of one Cell (160 count at \$750.00 each) plus Tax and Shipping for stock. 1 cell currently in inventory. In September the Carter Lake and Memcor (EvoQua) modules will have been in operation for 3 yrs. Scinors will be 3 yrs in November. Although TMPs are currently in 5 - 7.5 range that could change quickly. Historically modules exhausted in 1 to 1.5 yrs of operation. Anticipate Carter Lake to fail first, then Memcor. Obtaining modules in a reasonable time frame with the pandemic could be 6-8 wks or longer. Strategy is to order next cell once the modules in storage are placed into operation.
Microfilter Membrane Modules	67510	0	103,057	105,000	132,700	
Annual Cartridge Filter Replacement	66700	7,397	2,630	10,000	10,000	Replacement RO and RO CIP tank pre-filters (purchased 3 times per year)
RO Membrane Elements	67500	189,969	0	0	0	Have some in inventory so none should be needed for this fiscal year
Spare Parts & Outfitting	66750	2,261	7,203	15,000	15,000	O-rings (MF and RO), replacement clovers, hoses, analyzer parts,
		199,627	112,891	130,000	157,700	
Contractual Services:						
Chemical Waste Disposal	68100	0	0	500	500	Lab Hazardous waste reagents
Plant Instrumentation	68200	34,335	45,982	36,000	38,800	SCADA system annual support (\$2,000), Eaton UPS for lab instruments \$4,000 (50/50) Hach Instrument Mobile System Management and calibration \$6,400, \$21,000 for integrator programming and electrical contractor to finish SCADA upgrade, Tesco Flow meter calibration (\$5,100), Misc instruments (\$2,300)
Fire Extinguisher Service	68300	205	200	500	250	Annual testing of extinguishers.
Calibration	68400	4,858	5,923	9,605	5,382	Wine country \$1000 (50/50) , Gallery \$5366 (50/50), TOC \$4397 (50/50)
Contract Laboratory Analysis	68500	7,592	32,871	5,600	5,400	RO Quarterly Analysis
Contract Lab Staffing		0	0	0	0	No longer needed
Gypsum Injection System Maintenance/Lease	68600	0	0	0	0	No longer needed
Contract Painting	68700	0	0	0	0	Painting budgeted in CIP
						MF/RO Proprietary software-PLCsetc. H2O Innovations remote monitoring of increased recovery upgrade. Provides portal for analysis to further increase recovery optimization. We are limited by our effluent permit limits. It allows access to our data in a format for Trussell (\$18K/yr), Safety Data Sheets software (\$1K), e-NPDES Reporting Software \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-
System software/IT consulting	68710	15,174	10,639	24,200	30,500	ATL LIMS Gold Support \$11,329.74 (50/50) &Parser \$5.7K (50/50),
SAR Equipment Maintenance	68720	1,432	0	0	0	No longer needed
Hoist Certification	68730	258	0	350	900	3 overhead hoists/cranes in MF/RO and Tertiary
Alarm-Tertiary Equipment	68900	182	226	250	250	First Alarm service
Alarm - Chlorine Equipment	68910	0	0	0	0	No longer needed
Ion Chromatograph- Annual Maintenance	69400	0	0	0	0	No longer needed
Demolition		0	0	0	0	No longer needed
Clearlogx rent		0	0	0	0	No longer needed
SUBTOTAL		64,037	95,841	77,005	81,982	

**CAWD/PBCSD Reclamation Project
Operations and Maintenance Budget
Fiscal Year 2021-22**

ITEM	Acct No.	Actual 2019-20	Estimated Actual 2020-21	2020-21 Budget	Proposed 2021-22 Budget	Comments/Notes
Fees & Permits	69100	2,666	2,666	5,000	5,500	ELAP appl. FOA \$3500 (50/50) , TNI 3RD PARTY \$7500 (50/50)
Engineering Fees:						
Consulting	69200	58,705	26,870	30,000	63,000	Trussell Technologies (\$32K for MFRO Performance Review, \$31K for Brine Dilution Study)
Membrane Cleaning Pilot	69250	20,987	0	10,000		
Disposal expense	69350	0	0	0		
Demolition expense	69360	0	0	0	0	Not planned for this fiscal year
SUBTOTAL		79,692	26,870	40,000	63,000	
TOTAL PLANT OPERATING EXPENSES		1,845,355	1,798,700	1,847,900	2,004,872	8.49% increase from 20-21 budget 11.46% increase from 20-21 Projected actual
PEBBLE BEACH COM SVC DISTRICT						
DISTRIBUTION SYSTEM ADMIN & MAINT:						
Salaries, Benefits & Overhead						
General Manager	71000	0	0	0	0	
Principal/Assistant Engineer	71100	18,744	9,912	12,000	12,000	
Deputy General Manager/CFO	71200	785	1,102	1,500	1,500	
Senior Accountant	71300	4,566	4,257	5,000	3,500	Calculated based on the estimated PBCSD Admin staff time for CAWD/PBCSD Reclamation Project related duties. Prior years experience and next year's anticipated activities are used in the prediction of the FY 2020-21 estimated hours.
Administrative Assistant	71400	345	453	500	500	
Finance & Info Sys Coordinator	71500	367	575	500	1,500	
Associate Engineers	71600	9,716	2,095	8,000	6,000	
Engineering Intern	71700	0	522	500	500	
Payroll Taxes , Benefits & Overhead	71800	17,262	9,458	14,000	12,750	The payroll taxes, benefits and indirect overhead is calculated at 50% as agreed upon by the project participants.
SUBTOTAL		51,785	28,374	42,000	38,250	
Other Administrative & General Expenses:						
Insurance - Property & Liability	72100	5,358	5,519	8,500	8,500	
Insurance - Earthquake	72100	17,790	20,423	18,000	22,000	\$25M Policy limit - FL Reservoir (\$14,500) & Poppy Hills Storage Tank (\$7,500) 2020/21: Due to substantial increase in insurance costs, Reduced Coverage from \$10M to \$5M Coverage. The cost of \$10M coverage is \$28,000
Insurance - Forest Lake Dam Failure Liability	72100	8,722	3,026	10,000	5,000	
Directors Fees	72200	400	200	500	500	2 Directors x 5 meetings/year x \$50 per meeting
SUBTOTAL		32,270	29,168	37,000	36,000	
Total Administrative & General Expenses		84,055	57,542	79,000	74,250	
Distribution System O.&M. Expenses:						
Salaries, Benefits & Overhead:						
Field Maintenance Supervisor	73000	7,632	8,781	15,000	13,000	Calculated based on the estimated time to operate and maintain the Forest Lake Reservoir, 8 miles of distribution pipeline, the 2.5M gallon storage tank, and the Viscaino Rd emergency potable water station.
Maintenance Technicians	73100	49,690	45,028	45,000	45,000	
Payroll taxes, Benefits & Overhead	73200	28,661	26,905	30,000	29,000	The payroll taxes, benefits and indirect overhead is calculated at 50% as agreed upon by the project participants.
SUBTOTAL		85,984	80,714	90,000	87,000	
Energy & Utilities:						
Potable Water Pump Station - PG&E	74000	593	729	1,000	1,000	PBCSD pumps will be turned on during emergencies. PBCSD pays a minimum of 1% of the cost per agreement with CalAm. In Sep 2018 purchase of potable water resulted in temporary increase in pump station electricity use.
SCADA System: DSL ATM / Telemetry Analc	74200	12,477	11,162	12,000	12,000	Monthly AT&T / Comcast & Verizon charges for lines between Potable Water Pump Station, Forest Lake, CAWD and PBCSD.
Wireless Alarm Sys Chg (Mission)	74300	695	697	1,000	1,000	Annual maint agmt for Cell Phone Alarm System at Poppy Hills Storage Tank and PB Golf Links 4th Fairway / 18th Fairway & 18th Green.
Forest Lake Treatment Facility (PG&E)	74400	36,464	33,890	40,000	35,000	Budgeted based on previous experience and anticipated operations (2019/20: Includes addition of a new VFD pump at Forest Lake while Reclam Tank is out of commission)

**CAWD/PBCSD Reclamation Project
Operations and Maintenance Budget
Fiscal Year 2021-22**

ITEM	Acct No.	Actual 2019-20	Estimated Actual 2020-21	2020-21 Budget	Proposed 2021-22 Budget	Comments/Notes
Forest Lake Eyewash Station (CalAm)	74500	956	1,009	1,000	1,000	Budgeted based on previous experience. (2019/20: Updated description, as not only the eye wash station is serviced)
Poppy Hill Booster Pump Station - PG&E	74600	1,205	1,181	1,500	1,500	Budgeted based on previous experience & anticipated operations.
Cathodic Protection	74700	1,277	1,223	1,500	1,500	2 Locations: Forest Lake Rd & Whitman Ln; Budgeted based on previous experience & anticipated operations
		<u>53,667</u>	<u>49,891</u>	<u>58,000</u>	<u>53,000</u>	
Source Water / Dry Weather Diversion						
Reclamation Source Water	77600	10,810	537	6,000	3,000	Materials/Supplies for Reclam Wells (MPCC #8 / MPCC #9) 2019-20: Planned Pump Replacement at MPCC #9
4th Fairway Dry Weather Diversion Facility	77700	0	2,000	2,000	4,000	Materials / Supplies for dry-weather diversion facilities at the PB Golf Links 4th Fairway / 18th Fairway & 18th Green
Remote Flow Monitoring	77900	0	2,500	0	3,000	Neptune Meter at Bird Rock Well / Remote Reporting (Cloud-Based) Annual Service Locations @ MPCC Well No 8 / 9 & Bird Rock; Pebble Beach Golf Links 4th Fairway / 18th Fairway & 18th Green
Water Treatment Cost	77800	50,438	89,903	65,000	90,000	
SUBTOTAL		<u>61,248</u>	<u>94,940</u>	<u>73,000</u>	<u>100,000</u>	
Distribution System - Other O.&M. Expenses:						
Other professional services	75200	405	826	1,000	1,000	Mgmt Comm Mtg Attendance & Minutes 1. SWRCB-General Permit (\$5,000) 2. DSOD-Forest Lake Operating Permit (\$24,000) 3. MBUAPCD-Viscaino Generator (\$400) / Environ Health-Viscaino Fuel Tank Permit (\$600) (PBCSD: 2/5 & CalAm: 3/5)
Permits	75300	27,067	27,848	29,000	30,000	Estimated fuel use for vehicles and Viscaino Rd. pump station
Fuel	75500	2,114	2,300	2,500	2,500	Maint & safety programs (regist/materials/travel/misc exp. Memberships & Certif) Includes Water Awareness Committee Membership; Wateruse Membership & training for maintenance employees
Training & Tuitions	75600	2,214	2,910	5,000	5,000	Maintenance, diagnostic & consulting svcs related to SCADA;GIS Development
SCADA System software/IT consulting	75800	3,018	2,150	5,000	3,000	Inductive Ignition Support Services Subscription (25% Reclam = \$2K); Annual SCADA Updates & Programming Costs (E2 Consulting / Frisch Engineering) = \$8K
SCADA Platform Support Svcs Subscription	75900	37,051	1,200	2,000	10,000	Gen Consult; Annual DSOD Report; Emergency Action Plan consulting for Forest Lake to address CalOES required update per their new standards; Forest Lake Annual Monument Survey
Consulting Services	76000	0	29,246	40,000	75,000	Meter calibration & Other General Repairs and Maintenance (R&M); Materials & Supplies
Reclamation Line Distribution Sys	76300	158	1,721	10,000	10,000	Prev Maint / Annual load bank test / Underground tank leak detect & general R&M
Viscaino Rd/Poppy Hills Pump Station	76400	2,176	2,500	6,000	4,000	Quarterly Reimbursement to Maintenance Crew for vehicle mileage paid for work performed after hours, weekends & holidays
Call Out Mileage Expense	76500	1,550	1,504	2,000	2,000	General / Emergency repairs to Forest Lake
Forest Lake Reservoir - R & M	76600	24,418	14,773	25,000	25,000	Includes Cathodic Protect Inspection (every 3 yrs) / Tank (15-Point) Inspection (every 3 yrs) / Annual Cleaning Svc (done Feb/Mar) and Misc R&M
Poppy Hills Storage Tank (2.5 million gallon)	76700	1,821	1,508	2,500	1,500	Protective gear & equip/life vests/rescue discs/safety signs/ misc supplies
Rescue & Safety Supplies & Equipment	76800	0	0	1,000	1,000	Sulfuric Acid / Hypochlorite Tablets. Actual costs will be based on water usage. Chemicals needed based on demand, wet weather decreases demand which reduces the chemical purchases.
Forest Lake Chemicals	76900	41,722	36,272	40,000	40,000	Supplies & equipment purchases / Repairs and Maintenance
SCADA system equipment	77000	701	799	1,000	1,000	Supplies & Equip: Deployable Probe, Water Sampling, Piezometer, Misc other (\$8,000); Gopher Contrl (\$2,000) / Insecticides (\$15,000)
Forest Lake Reservoir - Materials & Supplies	77100	4,018	15,778	30,000	25,000	
Forest Lake reservoir equipment	77200	329	0	0	0	
Forest Lake reservoir ops service	77300	10,954	0	0	0	
SUBTOTAL		<u>159,716</u>	<u>141,335</u>	<u>202,000</u>	<u>236,000</u>	
Professional Fees - PBCSD:						
Remote Flow Monitoring	77900	0	0	3,000	0	
SUBTOTAL		<u>0</u>	<u>0</u>	<u>3,000</u>	<u>0</u>	
Total Distribution System O.&M. Expenses		<u>360,615</u>	<u>366,880</u>	<u>426,000</u>	<u>476,000</u>	

**CAWD/PBCSD Reclamation Project
Operations and Maintenance Budget
Fiscal Year 2021-22**

ITEM	Acct No.	Actual 2019-20	Estimated Actual 2020-21	2020-21 Budget	Proposed 2021-22 Budget	Comments/Notes
TOTAL PBCSD EXPENSES.....		444,670	424,422	505,000	550,250	8.96% increase from 20-21 budget 29.65% increase from 20-21 Projected actual
CAWD ADMIN & GENERAL EXPENSES						
ADMINISTRATIVE SALARIES						
	No.					
General Manager	81000	1,718	1,921	1,485	1,942	
Project Accountant	81200	10,632	9,937	12,145	10,046	
Engineering Associate	81100	435	0	755	0	
Admin. Services Coordinator/Scanner	81400	8,066	9,923	7,400	10,032	
Payroll Taxes, Benefits & Overhead	82100	0	10,890	10,893	11,010	
SUBTOTAL		20,851	32,671	32,678	33,031	COLA 1.1%
Administrative & General Expenses:						
Office Supplies & Postage	84000	0	475	0	0	
Audit & Consulting Fees	84100	18,150	18,450	19,050	19,050	3.2% increase in audit fees
Employee training	84200	0	0	0	0	
Directors Fees	85000	1,050	548	1,050	1,050	
Legal Notices	89400	0	0	0	0	
Legal Fees	89400	2,835	222	1,250	1,250	
Insurance Expense	89500	31,695	36,369	34,864	40,006	CSRMA recommends 10-15% increase in insurance
Consulting - Sea Level Rise	89600	32,346	0	0	0	
SUBTOTAL		86,077	56,064	56,214	61,356	
TOTAL CAWD EXPENSES		106,928	88,735	88,893	94,387	6.18% increase from 20-21 budget 6.37% increase from 20-21 Projected actual
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT						
ADMINISTRATIVE EXPENSES:						
Administrative Salaries, Benefits & Overhead						
General Manager	91000	6,916	6,000	1,236	6,000	
Administrative Services Manager	91200	8,326	8,000	4,635	8,000	
Accountant	91300	4,746	4,000	4,264	4,000	
IT Manager	91500	7,500	7,000	4,738	7,000	
Payroll Taxes, Benefits & Overhead	92100	0	0	4,396	0	
SUBTOTAL		27,488	25,000	19,269	25,000	
Administrative & General Expenses						
CAL-Am Water Meter Service Charge	94300	22,396	21,961	34,747	24,160	
Legal Fees	99400	0	0	2,500	0	
Office Expense	99410	3,726	0	3,911	0	
SUBTOTAL		26,122	21,961	41,158	24,160	
TOTAL MPWMD EXPENSES		53,610	46,961	60,427	49,160	18.65% decrease from 20-21 budget 4.68% increase from 20-21 Projected actual
PBCo / IRWUG Representative	77520	34,788	31,769	34,806	35,850	3% increase
Payroll Taxes, Benefits & Overhead	77590	15,724	14,360	15,732	17,925	
R&D Water Sources	99965	0	0	0	0	
SUB TOTAL		2,501,074	2,404,947	2,552,758	2,752,444	
POTABLE WATER COSTS	99601	3,517	6,900	6,750	6,750	
TOTAL OPERATING EXPENSES		2,504,591	2,411,847	2,559,508	2,759,194	7.80% increase from 20-21 budget 14.40% increase from 20-21 Projected actual

CAWD/PBCSD Reclamation Project
Monthly Budget Projections
2021-22

	ACCT No.	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	ANNUAL BUDGET 2021-22
5 yr avg		15.11%	13.60%	12.97%	10.24%	3.77%	1.63%	0.59%	1.98%	1.75%	8.76%	13.81%	15.80%	
Less MPWMD Fees	52000	1,057,626	952,148	907,962	716,962	263,694	114,030	41,336	138,261	122,582	612,910	966,402	1,106,088	7,000,000
	2225	(13,598)	(12,242)	(11,674)	(9,218)	(3,390)	(1,466)	(531)	(1,778)	(1,576)	(7,880)	(12,425)	(14,221)	(90,000)
		1,044,028	939,906	896,288	707,744	260,303	112,564	40,804	136,483	121,006	605,030	953,977	1,091,867	6,910,000
Plant Superintendent	61100	1,337	2,006	1,337	1,337	1,337	1,337	2,006	1,337	1,337	1,337	1,337	1,337	17,385
Laboratory Supervisor	61200	2,824	4,236	2,824	2,824	2,824	2,824	4,236	2,824	2,824	2,824	2,824	2,824	36,709
Laboratory Technicians	61300	4,685	7,027	4,685	4,685	4,685	4,685	7,027	4,685	4,685	4,685	4,685	4,685	60,902
Plant Operators	61400	12,093	18,139	12,093	12,093	12,093	12,093	18,139	12,093	12,093	12,093	12,093	12,093	157,205
Maint Supervisor	61450	762	1,143	762	762	762	762	1,143	762	762	762	762	762	9,907
Plant Mechanics	61500	2,886	4,329	2,886	2,886	2,886	2,886	4,329	2,886	2,886	2,886	2,886	2,886	37,521
Safety Officer		680	1,021	680	680	680	680	1,021	680	680	680	680	680	8,845
Plant Engineer		2,308	3,462	2,308	2,308	2,308	2,308	3,462	2,308	2,308	2,308	2,308	2,308	30,000
Differential	62000	1,226	1,839	1,226	1,226	1,226	1,226	1,839	1,226	1,226	1,226	1,226	1,226	15,942
Payroll Taxes & Benefits & OH	62100	14,401	21,601	14,401	14,401	14,401	14,401	21,601	14,401	14,401	14,401	14,401	14,401	187,207
		43,202	64,803	43,202	43,202	43,202	43,202	64,803	43,202	43,202	43,202	43,202	43,202	561,622
Tertiary Treatment	63300	29,808	26,835	25,590	20,207	7,432	3,214	1,165	3,897	3,455	17,274	27,237	31,174	197,287
MF\RO Electrical	63400	37,559	33,813	32,244	25,461	9,364	4,049	1,468	4,910	4,353	21,766	34,319	39,280	248,586
Secondary Costs - EQ Basin PD Blo	63500	19,980	17,988	17,153	13,545	4,982	2,154	781	2,612	2,316	11,579	18,257	20,896	132,241
		87,347	78,636	74,986	59,212	21,778	9,417	3,414	11,419	10,124	50,619	79,813	91,349	578,114
Polyaluminum chloride		0	0	0	0	0	0	0	0	0	0	0	0	0
Clearlogx PAX-XL19		0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum chlorhydrate	64100	0	0	0	0	0	0	0	0	0	0	0	0	0
Clean-in-place chemicals	64200	3,777	3,401	3,243	2,561	942	407	148	494	438	2,189	3,451	3,950	25,000
Sodium hydroxide	64300	0	0	0	0	0	0	0	0	0	0	0	0	0
Antiscalant	64400	3,883	3,496	3,334	2,632	968	419	152	508	450	2,250	3,548	4,061	25,700
Phenylarsine oxide	64410	156	141	134	106	39	17	6	20	18	91	143	164	1,035
Acetate buffer solution	64420	44	39	37	29	11	5	2	6	5	25	40	46	288
Iodine solution	64430	44	39	37	29	11	5	2	6	5	25	40	46	288
Chlorine	65100	0	0	0	0	0	0	0	0	0	0	0	0	0
Citric Acid	65160	3,264	2,938	2,802	2,212	814	352	128	427	378	1,891	2,982	3,413	21,600

CAWD/PBCSD Reclamation Project
Monthly Budget Projections
2021-22

	ACCT	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	ANNUAL BUDGET 2021-22
Sulfuric Acid	65170	4,533	4,081	3,891	3,073	1,130	489	177	593	525	2,627	4,142	4,740	30,000
Acetic Acid	65180	139	125	119	94	35	15	5	18	16	81	127	145	920
Sodium Bisulfite	65200	8,718	7,848	7,484	5,910	2,174	940	341	1,140	1,010	5,052	7,966	9,117	57,700
Sodium Hypochlorite	65250	5,288	4,761	4,540	3,585	1,318	570	207	691	613	3,065	4,832	5,530	35,000
Polymer	65400	2,720	2,448	2,335	1,844	678	293	106	356	315	1,576	2,485	2,844	18,000
Gypsum	65500	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous chemicals	65600	174	156	149	118	43	19	7	23	20	101	159	182	1,150
Potassium Hydroxide	65700	4,231	3,809	3,632	2,868	1,055	456	165	553	490	2,452	3,866	4,424	28,000
Potassium iodate solution	65725	104	94	89	71	26	11	4	14	12	60	95	109	690
Potassium iodide	65750	386	348	332	262	96	42	15	51	45	224	353	404	2,558
Ammonia Hydroxide	65800	9,519	8,569	8,172	6,453	2,373	1,026	372	1,244	1,103	5,516	8,698	9,955	63,000
Phosphoric Acid	65900	0	0	0	0	0	0	0	0	0	0	0	0	0
PHOS-58	65910	10,255	9,232	8,804	6,952	2,557	1,106	401	1,341	1,189	5,943	9,371	10,725	67,875
Low Mag Ferric	64150	0	0	0	0	0	0	0	0	0	0	0	0	0
Enzymes	65920	1,020	918	876	691	254	110	40	133	118	591	932	1,067	6,750
		58,253	52,444	50,010	39,490	14,524	6,281	2,277	7,615	6,752	33,759	53,229	60,922	385,554
Repairs & Maintenance	66100	11,785	10,610	10,117	7,989	2,938	1,271	461	1,541	1,366	6,830	10,768	12,325	78,000
Plant Pumps	66190	3,022	2,720	2,594	2,048	753	326	118	395	350	1,751	2,761	3,160	20,000
Laundry	66200	227	204	195	154	57	24	9	30	26	131	207	237	1,500
Lubricants/Packing	66300	151	136	130	102	38	16	6	20	18	88	138	158	1,000
Electrical Supplies	66400	1,813	1,632	1,557	1,229	452	195	71	237	210	1,051	1,657	1,896	12,000
Laboratory Supplies	66500	6,648	5,985	5,707	4,507	1,658	717	260	869	771	3,853	6,075	6,953	44,000
Paint	66600	755	680	649	512	188	81	30	99	88	438	690	790	5,000
Postage	67000	76	68	65	51	19	8	3	10	9	44	69	79	500
First Aid Supplies	67100	30	27	26	20	8	3	1	4	4	18	28	32	200
Janitorial Supplies	67100	30	27	26	20	8	3	1	4	4	18	28	32	200
Tertiary Pump Alarm	67300	0	0	0	0	0	0	0	0	0	0	0	0	0
Personnel Supplies	67400	151	136	130	102	38	16	6	20	18	88	138	158	1,000
Hand Tools	67600	151	136	130	102	38	16	6	20	18	88	138	158	1,000
Operating Supplies	67700	302	272	259	205	75	33	12	40	35	175	276	316	2,000
Safety	67800	378	340	324	256	94	41	15	49	44	219	345	395	2,500
Training	67900	378	340	324	256	94	41	15	49	44	219	345	395	2,500
		25,897	23,314	22,232	17,555	6,457	2,792	1,012	3,385	3,002	15,008	23,663	27,083	171,400
Microfilter Membrane Modules	67510	20,050	18,050	17,212	13,592	4,999	2,162	784	2,621	2,324	11,619	18,320	20,968	132,700
Annual Cartridge Filter Replacement	66700	1,511	1,360	1,297	1,024	377	163	59	198	175	876	1,381	1,580	10,000
RO Membrane Elements	67500	0	0	0	0	0	0	0	0	0	0	0	0	0

CAWD/PBCSD Reclamation Project
Monthly Budget Projections
2021-22

	ACCT No.	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	ANNUAL BUDGET 2021-22
Spare Parts & Outfitting	66750	2,266	2,040	1,946	1,536	565	244	89	296	263	1,313	2,071	2,370	15,000
		23,827	21,451	20,455	16,152	5,941	2,569	931	3,115	2,762	13,808	21,772	24,919	157,700
Chemical Waste Disposal		76	68	65	51	19	8	3	10	9	44	69	79	500
Plant Instrumentation	68200	5,862	5,278	5,033	3,974	1,462	632	229	766	679	3,397	5,357	6,131	38,800
Fire Extinguisher Service	68300	38	34	32	26	9	4	1	5	4	22	35	40	250
Calibration	68400	813	732	698	551	203	88	32	106	94	471	743	850	5,382
Contract Laboratory Analysis	68500	816	735	700	553	203	88	32	107	95	473	746	853	5,400
Gypsum Injection System Maintenance	68600	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Painting	68700	0	0	0	0	0	0	0	0	0	0	0	0	0
System software/IT consulting	68710	0	0	0	0	0	0	0	0	0	0	0	0	0
SAR Equipment Maintenance	68720	4,608	4,149	3,956	3,124	1,149	497	180	602	534	2,671	4,211	4,819	30,500
Hoist Certification	68730	0	0	0	0	0	0	0	0	0	0	0	0	0
Alarm - Tertiary	68900	136	122	117	92	34	15	5	18	16	79	124	142	900
Alarm - Chlorine	68910	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment Rent - Ion Chromatograph	69400	38	34	32	26	9	4	1	5	4	22	35	40	250
Demolition		0	0	0	0	0	0	0	0	0	0	0	0	0
Clerlogx rental		0	0	0	0	0	0	0	0	0	0	0	0	0
		12,311	11,083	10,569	8,346	3,069	1,327	481	1,609	1,427	7,134	11,249	12,875	81,982
Fees & Permits (MBUAPCD)	69100	831	748	713	563	207	90	32	109	96	482	759	869	5,500
Engineering Fees														
Consulting	69200	9,519	8,569	8,172	6,453	2,373	1,026	372	1,244	1,103	5,516	8,698	9,955	63,000
Membrane Cleaning Pilot	69250	0	0	0	0	0	0	0	0	0	0	0	0	0
Disposal expense	69350	0	0	0	0	0	0	0	0	0	0	0	0	0
		9,519	8,569	8,172	6,453	2,373	1,026	372	1,244	1,103	5,516	8,698	9,955	63,000
		261,186	261,047	230,339	190,973	97,551	66,704	73,322	71,698	68,467	169,527	242,384	271,174	2,004,872
General Manager	71000	0	0	0	0	0	0	0	0	0	0	0	0	0
Principal/Assistant Engineer	71100	1,813	1,632	1,557	1,229	452	195	71	237	210	1,051	1,657	1,896	12,000
Deputy General Manager/CFO	71200	227	204	195	154	57	24	9	30	26	131	207	237	1,500
Senior Accountant	71300	529	476	454	358	132	57	21	69	61	306	483	553	3,500
Administrative Assistant	71400	76	68	65	51	19	8	3	10	9	44	69	79	500
Finance & Info Sys Coordinator	71500	227	204	195	154	57	24	9	30	26	131	207	237	1,500

CAWD/PBCSD Reclamation Project
Monthly Budget Projections
2021-22

	ACCT	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	ANNUAL BUDGET 2021-22
Associate Engineers	71600	907	816	778	615	226	98	35	119	105	525	828	948	6,000
Engineering Intern	71700	76	68	65	51	19	8	3	10	9	44	69	79	500
PR Taxes, Benefits & Overhead	71800	1,926	1,734	1,654	1,306	480	208	75	252	223	1,116	1,760	2,015	12,750
		5,779	5,203	4,961	3,918	1,441	623	226	755	670	3,349	5,281	6,044	38,250
Insurance - Property & Liability	72100	1,284	1,156	1,103	871	320	138	50	168	149	744	1,173	1,343	8,500
Insurance - Earthquake	72100	3,324	2,992	2,854	2,253	829	358	130	435	385	1,926	3,037	3,476	22,000
Insurance - FL Dam Failure Liability	72100	755	680	649	512	188	81	30	99	88	438	690	790	5,000
Directors Fees	72200	76	68	65	51	19	8	3	10	9	44	69	79	500
		5,364	4,829	4,605	3,636	1,337	578	210	701	622	3,108	4,901	5,609	36,000
Salaries, Benefits & Overhead:														
Field Maintenance Supervisor	73000	1,964	1,768	1,686	1,332	490	212	77	257	228	1,138	1,795	2,054	13,000
Maintenance Technicians	73100	6,799	6,121	5,837	4,609	1,695	733	266	889	788	3,940	6,213	7,111	45,000
PR Taxes, Benefits & O.H.	73200	4,382	3,945	3,762	2,970	1,092	472	171	573	508	2,539	4,004	4,582	29,000
		13,145	11,834	11,285	8,911	3,277	1,417	514	1,718	1,524	7,618	12,011	13,747	87,000
Potable Water Pump Station - PG&E	74000	151	136	130	102	38	16	6	20	18	88	138	158	1,000
SCADA System: DSL ATM/Telemetry	74200	1,813	1,632	1,557	1,229	452	195	71	237	210	1,051	1,657	1,896	12,000
Wireless Alarm Sys Chg (Mission)	74300	151	136	130	102	38	16	6	20	18	88	138	158	1,000
Forest Lake Treatment Facility (PG&E)	74400	5,288	4,761	4,540	3,585	1,318	570	207	691	613	3,065	4,832	5,530	35,000
Forest Lake Eyewash Station (CalAm)	74500	151	136	130	102	38	16	6	20	18	88	138	158	1,000
Poppy Hill Booster Pump Station - PG&E	74600	227	204	195	154	57	24	9	30	26	131	207	237	1,500
Cathodic Protection	74700	227	204	195	154	57	24	9	30	26	131	207	237	1,500
		8,008	7,209	6,875	5,428	1,997	863	313	1,047	928	4,641	7,317	8,375	53,000
Reclamation Source Water	77600	453	408	389	307	113	49	18	59	53	263	414	474	3,000
4th Fairway Dry Weather Diversion Facility	77700	604	544	519	410	151	65	24	79	70	350	552	632	4,000
Remote Flow Monitoring	77900	453	408	389	307	113	49	18	59	53	263	414	474	3,000
Water Treatment Cost	77800	13,598	12,242	11,674	9,218	3,390	1,466	531	1,778	1,576	7,880	12,425	14,221	90,000
		15,109	13,602	12,971	10,242	3,767	1,629	591	1,975	1,751	8,756	13,806	15,801	100,000
Other professional services	75200	151	136	130	102	38	16	6	20	18	88	138	158	1,000
Permits	75300	4,533	4,081	3,891	3,073	1,130	489	177	593	525	2,627	4,142	4,740	30,000
Fuel	75500	378	340	324	256	94	41	15	49	44	219	345	395	2,500
Training & Tuitions	75600	755	680	649	512	188	81	30	99	88	438	690	790	5,000

CAWD/PBCSD Reclamation Project
Monthly Budget Projections
2021-22

	ACCT No.	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	ANNUAL BUDGET 2021-22
SCADA System software/IT cons	75800	453	408	389	307	113	49	18	59	53	263	414	474	3,000
Consulting Services		11,332	10,202	9,728	7,682	2,825	1,222	443	1,481	1,313	6,567	10,354	11,851	75,000
Reclamation Line Distribution Sy	76300	1,511	1,360	1,297	1,024	377	163	59	198	175	876	1,381	1,580	10,000
Viscaino Rd/Poppy Hills Pump S	76400	604	544	519	410	151	65	24	79	70	350	552	632	4,000
Call Out Mileage Expense	76500	302	272	259	205	75	33	12	40	35	175	276	316	2,000
Forest Lake Reservoir - R & M	76600	3,777	3,401	3,243	2,561	942	407	148	494	438	2,189	3,451	3,950	25,000
Poppy Hills Storage Tank (2.5 m	76700	227	204	195	154	57	24	9	30	26	131	207	237	1,500
Rescue & Safety Supplies & Equ	76800	151	136	130	102	38	16	6	20	18	88	138	158	1,000
Forest Lake Chemicals	76900	6,044	5,441	5,188	4,097	1,507	652	236	790	700	3,502	5,522	6,321	40,000
SCADA system equipment	77000	151	136	130	102	38	16	6	20	18	88	138	158	1,000
Forest Lake Reservoir - Material	77100	3,777	3,401	3,243	2,561	942	407	148	494	438	2,189	3,451	3,950	25,000
		35,657	32,101	30,611	24,172	8,890	3,844	1,394	4,661	4,133	20,664	32,582	37,291	236,000
Consulting	76000	0	0	0	0	0	0	0	0	0	0	0	0	0
Remote Flow Monitoring	77900	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		67,952	61,176	58,337	46,065	16,942	7,326	2,656	8,883	7,876	39,379	62,091	71,066	550,250
General Manager	81000	149	224	149	149	149	149	224	149	149	149	149	149	1,942
Project Accountant	81200	773	1,159	773	773	773	773	1,159	773	773	773	773	773	10,046
Engineering Assistant	81100	0	0	0	0	0	0	0	0	0	0	0	0	0
Secretary/Finance Tech.	81400	772	1,158	772	772	772	772	1,158	772	772	772	772	772	10,032
Payroll Taxes & Benefits	82100	847	1,270	847	847	847	847	1,270	847	847	847	847	847	11,010
Indirect Overhead	82100	0	0	0	0	0	0	0	0	0	0	0	0	0
		2,541	3,811	2,541	2,541	2,541	2,541	3,811	2,541	2,541	2,541	2,541	2,541	33,031
Office Supplies & Postage	84000	0	0	0	0	0	0	0	0	0	0	0	0	0
Audit & Consulting Fees	84100	2,878	2,591	2,471	1,951	718	310	112	376	334	1,668	2,630	3,010	19,050
Employee Training	84200	0	0	0	0	0	0	0	0	0	0	0	0	0
Directors Fees	85000	159	143	136	108	40	17	6	21	18	92	145	166	1,050
Legal Notices	89400	0	0	0	0	0	0	0	0	0	0	0	0	0
Legal Fees	89400	189	170	162	128	47	20	7	25	22	109	173	198	1,250
Insurance Expense	89500	6,044	5,442	5,189	4,098	1,507	652	236	790	701	3,503	5,523	6,321	40,006
		9,270	8,346	7,958	6,284	2,311	999	362	1,212	1,074	5,372	8,471	9,695	61,356
		11,811	12,157	10,499	8,825	4,852	3,540	4,174	3,753	3,615	7,913	11,011	12,236	94,387

CAWD/PBCSD Reclamation Project
Monthly Budget Projections
2021-22

	ACCT No.	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	ANNUAL BUDGET 2021-22
General Manager	91000	907	816	778	615	226	98	35	119	105	525	828	948	6,000
Admin Services Manager	91200	1,209	1,088	1,038	819	301	130	47	158	140	700	1,104	1,264	8,000
Accountant	91300	604	544	519	410	151	65	24	79	70	350	552	632	4,000
Chief Tech Officer	91500	1,058	952	908	717	264	114	41	138	123	613	966	1,106	7,000
Payroll Taxes & Benefits& O.H.	92100	0	0	0	0	0	0	0	0	0	0	0	0	0
		3,777	3,401	3,243	2,561	942	407	148	494	438	2,189	3,451	3,950	25,000
CAL-Am Water Meter Svc. Chg.	94300	3,650	3,286	3,134	2,475	910	394	143	477	423	2,115	3,335	3,818	24,160
Legal Fees	99400	0	0	0	0	0	0	0	0	0	0	0	0	0
Software Maint Fees	99410	0	0	0	0	0	0	0	0	0	0	0	0	0
		7,428	6,687	6,376	5,035	1,852	801	290	971	861	4,304	6,787	7,768	49,160
PBCo / IRWUG Representative		4,481	4,481	4,481	4,481	4,481	4,481	4,481	4,481	4,481	4,481	4,481	4,481	53,775
		352,858	345,548	310,033	255,379	125,678	82,853	84,923	89,787	85,300	225,605	326,755	366,726	2,752,444
		691,169	594,359	586,255	452,365	134,625	29,711	(44,119)	46,697	35,706	379,425	627,222	725,142	4,157,556
POTABLE WATER COSTS	99601	1,020	918	876	691	254	110	40	133	118	591	932	1,067	6,750
		690,150	593,441	585,380	451,674	134,371	29,601	(44,159)	46,564	35,588	378,834	626,290	724,075	4,150,806
Interest Income - Reserve Funds	551	2,266	2,040	1,946	1,536	565	244	89	296	263	1,313	2,071	2,370	15,000
Interest Income- Union Bank	553	11	10	10	8	3	1	0	1	1	7	10	12	75
Interest Income - Well Fargo/Phase I	554	2	2	2	2	1	0	0	0	0	1	2	2	15
Water Entitlements	555	0	0	0	0	0	0	0	0	0	0	0	0	0
Gain/(loss) on Mkt Value of Securities	560	2,266	2,040	1,946	1,536	565	244	89	296	263	1,313	2,071	2,370	15,000
Interest Income-County	550	6	5	5	4	2	1	0	1	1	4	6	6	40
Interest Income - Bank of Amer.	549	6	5	5	4	2	1	0	1	1	4	6	6	40
Other Income	561	0	0	0	0	0	0	0	0	0	0	0	0	0

CAWD/PBCSD Reclamation Project
Monthly Budget Projections
2021-22

	ACCT	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	ANNUAL BUDGET 2021-22
Bank Charges - BoA	571	(11)	(10)	(10)	(8)	(3)	(1)	(0)	(1)	(1)	(7)	(10)	(12)	(75)
Bond Carrying Costs	573	(3,777)	(3,401)	(3,243)	(2,561)	(942)	(407)	(148)	(494)	(438)	(2,189)	(3,451)	(3,950)	(25,000)
O&M Reserve Funds	10.1	0	0	0	0	0	0	0	0	0	0	0	0	0
Contribution to Capital Repl. Fund	11.1	(23,872)	(21,491)	(20,494)	(16,183)	(5,952)	(2,574)	(933)	(3,121)	(2,767)	(13,834)	(21,813)	(24,966)	(158,000)
Subtotal		(23,102)	(20,798)	(19,833)	(15,661)	(5,760)	(2,491)	(903)	(3,020)	(2,678)	(13,388)	(21,110)	(24,161)	(152,905)
Interest Income - Construction Fd.	25100	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Income - Bond Fund	25101	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Income - W.F.-Construct.	25104	0	0	0	0	0	0	0	0	0	0	0	0	0
Loss on Disposal	26300	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Expense - COP's	99958	(2,750)	(2,476)	(2,361)	(1,864)	(686)	(296)	(107)	(359)	(319)	(1,594)	(2,513)	(2,876)	(18,200)
Principal Payment - COP's	26450	(377,723)	(340,053)	(324,272)	(256,058)	(94,176)	(40,725)	(14,763)	(49,379)	(43,779)	(218,896)	(345,144)	(395,032)	(2,500,000)
L/C Carrying Costs	573	(4,351)	(3,917)	(3,736)	(2,950)	(1,085)	(469)	(170)	(569)	(504)	(2,522)	(3,976)	(4,551)	(28,800)
Amortization Expense	576	(253,830)	(228,516)	(217,911)	(172,071)	(63,286)	(27,367)	(9,921)	(33,183)	(29,420)	(147,098)	(231,936)	(265,461)	(1,680,000)
Interest Pymt to MPWMD		(1,152)	(1,037)	(989)	(781)	(287)	(124)	(45)	(151)	(134)	(668)	(1,053)	(1,205)	(7,625)
Principal Pymt to MPWMD		(75,545)	(68,011)	(64,854)	(51,212)	(18,835)	(8,145)	(2,953)	(9,876)	(8,756)	(43,779)	(69,029)	(79,006)	(500,000)
Interest on Principal Advanced		(10,576)	(9,521)	(9,080)	(7,170)	(2,637)	(1,140)	(413)	(1,383)	(1,226)	(6,129)	(9,664)	(11,061)	(70,000)
Past LC fees/Bond Carry Cost payable		(83,401)	(75,084)	(71,599)	(56,538)	(20,794)	(8,992)	(3,260)	(10,903)	(9,666)	(48,332)	(76,208)	(87,223)	(552,000)
Subtotal		(809,329)	(728,614)	(694,801)	(548,642)	(201,787)	(87,259)	(31,631)	(105,802)	(93,804)	(469,018)	(739,522)	(846,414)	(5,356,625)
		(832,432)	(749,413)	(714,635)	(564,303)	(207,547)	(89,750)	(32,534)	(108,822)	(96,481)	(482,406)	(760,632)	(870,575)	(5,509,530)
		111,548	72,543	88,656	59,441	(9,890)	(32,782)	(66,772)	(29,076)	(31,474)	43,525	97,595	118,961	321,276

**CAWD/PBCSD Reclamation Project
Non-Operating Expenses
Fiscal Year 2021-22**

ITEM	Acct No.	Actual 19-20	Estimated Actual 2020-21	2020-21 Budget	Proposed 2021-22 Budget	Comments
NON-OPERATING EXPENSES:						
Project - Bond Carrying Costs	99956	21,179	17,159	28,735	25,000	Bond Carrying Costs
						U.S. Bank (Admin fee) \$3,850
						U.S. Bank (Incidental fee) \$ 385
						Arbitrage Calculation - Yield Restriction (3-13 next due 3-23) \$0
						Moody's - annual fee \$5,000
						Standard & Poors - review credit rating \$3,500
						Stifel, Nicolaus & Co - quarterly \$16,000
						Total..... \$28,735
Bank charges	99952	72	0	125	75	Stop payments (0 @ \$20) & wire transfer fees (3 @ \$25)
L/C Carrying Costs	99959	76,664	47,574	48,000	28,800	Letter of Credit \$2.4K per month
COP Interest Expense	99958	76,688	3,689	51,000	18,200	Assumes 0.70% on \$2,600,000
COP Principal Payment	22041	2,300,000	2,400,000	2,400,000	2,500,000	Per COP Schedule
Interest on Principal Advanced	99957	70,870	61,965	70,000	70,000	Int rate 3.25%
Past LC fees/Bond Carry Cost payable	22041	552,000	552,000	552,000	552,000	\$5,520,000 monthly through 06-30-23 (10 years)
Interest Payment to MPWMD		20,333	22,875	22,875	7,625	Assume \$1M @ 3.05%, payable semi-annually. See schedule below
Funding Agreement with MPWMD		(1,000,000)	500,000	500,000	500,000	
R & D Water Sources		0	0	0	0	
Abandoned Well Costs/R&D Water Costs		0	0	0	0	
Contribution to Reserves	11.1	0	0	0	158,000	Goal \$2M in 2022 ; current balance 03-31-21 \$340K
Amortization Exp	99962	1,680,274	1,680,000	1,600,000	1,680,000	
TOTAL NON OPERATING EXPENSES		3,798,080	5,285,262	5,272,735	5,539,700	5.06% increase from 20-21 budget 4.81% increase from 20-21 Projected actual

COP	Payment 07/01	Year	Bond Carrying Costs
	2,300,000	2020	
	2,400,000	2021	
	2,500,000	2022	552,000 yr ending 06-30-22
	2,600,000	2023	552,000 yr ending 06-30-23
	9,800,000		
MPWMD	15,250	10/31/20 Interest	
	500,000	10/31/20 Principal	
	7,625	4/30/21 Interest	
	7,625	10/31/21 Interest	
	500,000	10/31/21 Principal	

CAWD/PBCSD Reclamation Project
 Capital Budget
 Fiscal Year 2021-22

CAWD/PBCSD Reclamation Project	FY 2021/22 thru 2026/27
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Project #	PROJECT	21/22	22/23	23/24	24/25	25/26	26/27	Unscheduled
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CAPITAL PROJECTS

1	CAWD WWTP Phase 2 - Reclamation Share	\$ 117,400	\$ 269,000					
2	CAWD Sulfuric/Citric Chemical Storage and Feed Project	\$ 370,000						
3	CAWD SCADA Migration	\$ 140,000						
4	CAWD Asset Analysis	\$ 50,000						
5	CAWD Fiber Wrap PVC Pipe	\$ 25,000	25,000					
6	CAWD Cathodic Protection Testing of Reclamation line	\$ 7,500						
7	CAWD Floor Drain Improvements			\$ 15,000				
8	CAWD WWTP Flood Adaptation - Reclamation Share		\$ 15,000					
9	CAWD Ammonia Tank Replacement		\$ 60,000					
10	CAWD Cerium Chloride Bulk Tank							\$ 75,000
11	PBCSD Pipeline Cathodic Protection (Carmel)	\$ 250,000						

CAPITAL PURCHASES

a	CAWD Laboratory Ion Chromatograph (10% CAWD)		\$ 150,000					
b	CAWD Laboratory Muffle Furnace (50% CAWD)	\$ 13,500						
c	CAWD Laboratory Autoclave (50% CAWD)		\$ 32,000					
d	CAWD Spare RO Brine Effluent Pump Motor	\$ 13,000						
e	PBCSD Forest Lake Mixers (2)	\$ 75,000						
f	PBCSD Forest Lake Outlet Gate Electric Operators	\$ 50,000						
g	PBCSD Forest Lake Inflatable Work Boat	\$ 20,000						

Total	\$ 1,131,400	\$ 551,000	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
RECLAMATION Share	\$ 1,124,650	\$ 520,000	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
PBCSD Share	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CAWD Share	\$ 6,750	\$ 31,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Allocated Total	\$ 1,131,400	\$ 551,000	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

1 FY 2020-21 Budget
CAWD/PBCSD Reclamation Project

Project Name: WWTP Phase 2 - Reclamation Share
 Agency: CAWD
 Total Cost: \$ 416,000
 CY Budget \$ 117,400

Contact: Treanor
 Area: Effluent Building and Lab
 Asset Type: Electrical
 Avg Useful Life: 30 years
 Est Residual Life: 10 years
 % Consumed Life: 66%
 Category: Maintenance
 Urgency: High
 Carry Forward: No

Asset Description

CAWD is currently preparing to bid the Elec/Mech Rehab and Sludge Holding Tank Project which includes new electrical equipment for the Effluent Building and new power feeder to the Laboratory. These are components of this much larger project that are attributable to reclamation. Currently it is estimated that about 4% of the total project is attributable to Reclamation, however the actual cost split will be determined based on the bid price and contractor schedule of values.

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

Justification

The electrical improvements are required to address aging electrical in the Effluent Building which includes the RO Concentrate Effluent Pump. The project also includes providing a new power feed to the lab so that the lab equipment has automatic standby power from the main switchgear.

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Total
Labor		\$ 57,200	\$ 134,500				\$ 191,700
Engineering	\$ 355	\$ 3,000					\$ 3,000
Parts & Supplies		\$ 57,200	\$ 134,500				\$ 191,700
Chemicals							\$ -
Utility							\$ -
Other							\$ -
Total	\$ 355	\$ 117,400	\$ 269,000	\$ -	\$ -	\$ -	\$ 386,400

2 FY 2020-21 Budget
CAWD/PBCSD Reclamation Project

Contact: Treanor
Area: MF/RO
Asset Type: Various
Avg Useful Life: 15 Years
Est Residual Life: 15 Years
% Consumed Life: NA
Category: Capital Improvement
Urgency: High
Carry Forward: NA

Project Name: Sulfuric/Citric Chemical Storage and Feed Project
Agency: CAWD
Total Cost: \$ 370,000
CY Budget \$ 370,000

Asset Description

The existing acid containment and storage at the Pad does not meet code requirements for separation of dissimilar chemicals that could create an exothermic reaction if inadvertently mixed. Furthermore, the volume of storage creates logistical issues and safety concerns with manually moving large totes of highly acidic chemicals. Trussell Engineers was contracted to design an adequate chemical storage and feed system for Sulfuric Acid and Citric Acid system. The design of the system includes concrete secondary containment walls, adequately sized tanks that can receive bulk chemical deliveries, and feed pumps for MF CIP and for RO feed pH adjustment.

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

Justification

The existing citric and sulfuric acid systems are not built to code and are a safety concern. Having a fully designed and implemented system will address code issues and will also allow operators more ability to fine tune the pH adjustment upstream of the RO system in order to reduce scaling and manage RO recovery.

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Total
Labor		\$ 100,000					\$ 100,000
Engineering		\$ 60,000					\$ 60,000
Parts & Supplies		\$ 180,000					\$ 180,000
Chemicals							\$ -
Utility							\$ -
SCADA integration		\$30,000					\$ 30,000
Total		\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000

Note: Mr. Treanor advises bidding Phase II first and then bidding Sulfuric/Citric Project. He would encourage the winning Phase II contractor to bid on it and they could take advantage of potential economies of scale to be the low bidder. However, a smaller contractor could come in and be an even lower bidder.

3 FY 2020-21 Budget
CAWD/PBCSD Reclamation Project

Contact: Foley
 Area: Tertiary/MF/RO
 Asset Type: NA
 Avg Useful Life: NA
 Est Residual Life: NA
 % Consumed Life: NA
 Category: Capital Improvement
 Urgency: High
 Carry Forward: No

Project Name: SCADA Migration
 Agency: CAWD
 Total Cost: \$ 159,182
 CY Budget: \$ 140,000

Asset Description

Rockwell Automation RSView32 Supervisory Control and Data Acquisition System (SCADA) that monitors and controls tertiary, microfiltration and reverse osmosis systems and equipment. The system includes equipment control, visualization, alarming and data logging.

Year Built: 1993
 Rehabilitation Date (Extending life of Asset): 2008
 Rehab Life Extension: 12

Justification

The RSView32 system is obsolete and utilizes Microsoft Windows 7 Operating System(OS). This is a network security vulnerability due to Windows 7 OS and RSView32 updates have ceased. The new system will be added to the CAWD Inductive Automation Ignition SCADA platform and integrate with the treatment plant application. It is critical to upgrade to the new platform to continue automated control of the reclamation system and equipment.

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Total
Labor							\$ -
Engineering	\$ 19,182	\$ 140,000					\$ 140,000
Parts & Supplies							\$ -
Chemicals							\$ -
Utility							\$ -
Other							\$ -
Total		\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ 140,000

4 **FY 2020-21 Budget**
CAWD/PBCSD Reclamation Project

Contact: Treanor
Area: Tertiary/MF/RO
Asset Type: NA
Avg Useful Life: NA
Est Residual Life: NA
% Consumed Life: NA
Category: Study
Urgency: Med
Carry Forward: No

Project Name: Asset Analysis
Agency: CAWD
Total Cost: \$ 50,000
CY Budget \$ 50,000

Asset Description

The assets at the Tertiary Building and MF/RO Pad have not evaluated for condition and estimated remaining useful life in order to develop long term capital budget planning. This study would create an asset registry with remaining useful life and replacement cost estimates for long term planning.

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

Justification

Long Term Budget Planning

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Total
Labor							\$ -
Engineering		\$ 50,000					\$ 50,000
Parts & Supplies							\$ -
Chemicals							\$ -
Utility							\$ -
Other							\$ -
Total		\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Note: Mr. Treanor's labor for the Asset Analysis would be in addition to the Capital Budget of \$50K. He will be spending significantly more time at MFRO in the coming year than in the past because these projects will require his time to implement. A consultant would be more costly than inhouse labor.

5 FY 2020-21 Budget
CAWD/PBCSD Reclamation Project

Project Name: Fiber Wrap PVC Pipe
Agency: CAWD
Total Cost: \$ 50,000
CY Budget \$ 25,000

Contact: Treanor
Area: Tertiary/MF/RO
Asset Type: Piping
Avg Useful Life: 20 years
Est Residual Life: 10 years
% Consumed Life: 50%
Category: Maintenance
Urgency: Med-High
Carry Forward: No

Asset Description

The process piping at the MF/RO Pad is primarily made of PVC which is much more prone to stress fatigue failures than compared to steel or iron piping.

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

Justification

Pipe failures at the MF/RO Pad cause system outages as there is no redundancy in the main process piping. A small pipe failure can lead to complete shutdown of the MF/RO system in order to facilitate repairs. Repairs of PVC pipe can take 2 to 3 days to complete. Installing a reinforcing resin impregnated fiber pipe wrap system can mitigate pipe failures in locations where it is installed. While it is not feasible to wrap all the piping in the facility that may crack and break, certain critical lines associated with the MF system will be targeted to mitigate failures in these locations.

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Total
Labor		\$ 10,000	\$ 10,000				\$ 20,000
Engineering							\$ -
Parts & Supplies		\$ 15,000	\$ 15,000				\$ 30,000
Chemicals							\$ -
Utility							\$ -
Other							\$ -
Total		\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ 50,000

Note: We have reduced to \$50K from \$100K

6 **FY 2020-21 Budget**
CAWD/PBCSD Reclamation Project

Project Name: Cathodic Protection Testing of Reclamation line
 Agency: CAWD
 Total Cost: \$ 7,500
 CY Budget \$ 7,500

Contact: Treanor
 Area: Reclaimed Water Pipeline
 Asset Type: Piping (Buried)
 Avg Useful Life: 100 years
 Est Residual Life: 80 years
 % Consumed Life: 20%
 Category: Maintenance
 Urgency: Med
 Carry Forward: No

Asset Description

Cathodic protection is used to protect the Reclamation Pipeline. CAWD is responsible for maintenance of the Reclamation Pipeline on the CAWD WWTP property to the gate at Lasuen Dr on the North Side of the River. The District will test the Cathodic protection system to maintain knowledge of the condition of the critical underground process piping and assess whether the existing cathodic protection system is functioning properly.

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

Justification

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

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Total
Labor							\$ -
Engineering		\$ 7,500					\$ 7,500
Parts & Supplies							\$ -
Chemicals							\$ -
Utility							\$ -
Other							\$ -
Total		\$ 7,500	\$ -	\$ -	\$ -	\$ -	\$ 7,500

Note: The information will support PBCSD Cathodic Protection Project. Unless PBCSD project (#12) is pushed out, we do not think this should be pushed. Reduced to \$7,500

7 **FY 2020-21 Budget**
CAWD/PBCSD Reclamation Project

Contact: Treanor
Area MF/RO
Asset Type: Pipe (Process Buried)
Avg Useful Life: 30
Est Residual Life: 20
% Consumed Life: 30%
Category: Capital Improvement
Urgency: 3=Important
Carry Forward: Yes

Project Name: Floor Drain Improvements
Agency CAWD
Total Cost: \$ 15,000
CY Budget \$ -

Asset Description

The floor drains are located throughout the MF/RO structure to drain certain equipment and for house keeping in those areas where work is being performed.

Year Built: 2008
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A

Justification

There are areas on floor of the MF/RO structure that have continuously accumulated water which is causing safety hazards from these wet/slippery areas. Improvements include saw cutting cement and placing in corrosion resistant prefabricated drainage channels and new catch basins.

Budget Impact/Other

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

8 FY 2020-21 Budget
CAWD/PBCSD Reclamation Project

Project Name: Secondary Eff Diversion Flood Mitigations
 Agency: CAWD
 Total Cost: \$ 15,000
 CY Budget \$ -

Contact: Treanor
 Area: Secondary Effluent Diversion
 Asset Type: Hatch
 Avg Useful Life: 30 years
 Est Residual Life: NA
 % Consumed Life: NA
 Category: Capital Improvement
 Urgency: Medium
 Carry Forward: NA

Asset Description

CAWD has recently completed a sea level rise study which noted a few low lying assets that need to be flood proofed in the near term. One of these assets is the Secondary Effluent Diversion Box which was built by the Reclamation project to divert flow to the Tertiary treatment system. The structure conveys water coming in and out of the Chlorine Contact Channels and includes hatches on the top of the structure at ground level. This project would entail installing a flood proof cover over the existing hatches to keep flood waters from leaking into the treated water.

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

Justification

The Secondary Effluent Diversion Box was installed into the main conveyance system at the Chlorine Contact Channels to divert water to the Reclamation System. Adding flood tight covers is prudent to avoid flood waters leaking into the main conveyance system and potentially causing backups.

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Total
Labor							\$ -
Engineering							\$ -
Parts & Supplies			\$ 15,000				\$ 15,000
Chemicals							\$ -
Utility							\$ -
Other							\$ -
Total		\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ 15,000

9 **FY 2020-21 Budget**
CAWD/PBCSD Reclamation Project

Project Name: Ammonia Tank Replacement
Agency: CAWD
Total Cost: \$ 60,000
CY Budget \$ -

Contact: Waggoner
Area: Tertiary
Asset Type: Process Equip (Liquid)
Avg Useful Life: 15
Est Residual Life: 2
% Consumed Life: 87%
Category: Capital Equipment
Urgency: Important
Carry Forward: yes

Asset Description

Ammonia Storage tank with air scrubber unit that holds 1,500 gallons of Ammonia Hydroxide for chlormation of plant effluents.

Year Built: 2008
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: 2

Justification

The current Ammonia storage tank is reaching it's end of service life. Replacement with an updated tank and scrubber that meets current codes of CalOSHA requirments of the storage of Ammonia Hydroxide. Staff would like to upsize to a 2,000 gallon storage tank to reduce the number of deliveries throughout the year.

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Total
Labor			\$ 15,000				\$ 15,000
Engineering			\$ 10,000				\$ 10,000
Parts & Supplies			\$ 35,000				\$ 35,000
Chemicals							\$ -
Utility							\$ -
Other							\$ -
Total		\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ 60,000

10 **FY 2020-21 Budget**
CAWD/PBCSD Reclamation Project

Contact: Waggoner
Area: Tertiary
Asset Type: Process Equip(Liquid)
Avg Useful Life: 15
Est Residual Life: 3
% Consumed Life: 80%
Category: Capital equipment
Urgency: important
Carry Forward: yes

Project Name: Cerium Chloride Bulk Tank
Agency: CAWD
Total Cost: \$ 75,000
CY Budget \$ -

Asset Description

Currently, the bulk (500 gallon) plastic tank that was used for Ferric Chloride located on the Southwest side of the tertiary building.

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

Justification

The old Ferric Chloride Tank is only 500 gallons and is not have double containment. To upgrade to double containment and install a larger tank 2,000 gallons. This 2,000 gallon tank would allow staff to purchase the Cerium Chloride in bulk at a reduced pricing. This tank would also eliminate the use of 250 gallons totes that the operation staff manually transports on the tertiary building floor.

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor						\$ 15,000	\$ 15,000
Engineering						\$ 10,000	\$ 10,000
Parts & Supplies						\$ 40,000	\$ 40,000
Chemicals							\$ -
Utility							\$ -
Other						\$ 10,000	\$ 10,000
Total		\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000

a FY 2020-21 Budget
Carmel Area Wastewater District

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

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

Asset Description

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

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

Justification

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

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget 10% Secondary Reclamation 90%

Budget Impact/Other

	Prior Yr	21-22	22-23	24-25	25-26	Unscheduled	Total
Labor							\$ -
Engineering							\$ -
Parts & Supplies			\$ 150,000				\$ 150,000
Chemicals							\$ -
Utility							\$ -
Other							\$ -
Total		\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000

b FY 2020-21 Budget
Carmel Area Wastewater District

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

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

Asset Description

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

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

Justification

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

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget 50% Secondary Reclamation 50%

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Unscheduled	Total
Labor								\$ -
Engineering								\$ -
Parts & Supplies		\$ 13,500						\$ 13,500
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total		\$ 13,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,500

c FY 2020-21 Budget
Carmel Area Wastewater District

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

Project Name Laboratory Autoclave (50% Reclamation)
 Dept: Treatment
 Total Cost: \$ 32,000
 CY Budget \$ -
 GL Account:

Asset Description

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

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

Justification

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

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget 50% Secondary Reclamation 50%

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies			\$ 32,000				\$	32,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ 32,000	\$ -	\$ -	\$ -	\$ -	\$ 32,000

d FY 2021-22 Budget
Carmel Area Wastewater District

Project Name: Spare RO Brine Effluent Pump Motor
 Dept: Treatment
 Total Cost: \$ 13,000
 CY Budget \$ -
 GL Account:

Contact: Foley
 Area: Effluent
 Asset Type: Pumps
 Avg Useful Life: 20 years
 Est Residual Life: 6 year
 % Consumed Life: 70%
 Category: Capital Equipment
 Urgency: 3 = Important
 Carry Forward: No

Asset Description

Hidrostral DEYY4 7.3HP motor for effluent RO brine pump. This pump discharges effluent flow to outfall when reclamation system is online and is critical to plant operations and permit compliance.

Year Built: Jun-08
 Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: 3 Minor Defects Only

Justification

The existing motor is 13 plus years old and has not been reconditioned. It continues to operate but is due to be reconditioned. CAWD has spare pump parts in stock to repair a pump failure but currently does not have a good solution if the motor fails. The motor is a specific model that only works with this pump so it is not an off the shelf item and has a 6+ week lead time. The cost if the motor fails to repair would be the same as the cost to purchase a new motor. With the purchase of a spare it will allow staff the flexibility to send out the existing motor to be reconditioned at half the cost if the motor was run to fail.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget 100% Secondary

Budget Impact/Other

	Prior Yr	21-22	22-23	23-24	24-25	25-26	Total
Labor							\$ -
Engineering							\$ -
Parts & Supplies		\$ 13,000					\$ 13,000
Chemicals							\$ -
Utility							\$ -
Other							\$ -
Total		\$ 13,000	\$ -	\$ -	\$ -	\$ -	\$ 13,000

PBCSD Capital Budget
2020-21

PROPOSED BUDGET	Proposed FY 2021- 22	DESCRIPTION
Pipeline Cathodic Protection (Carmel)	250,000	The recycled water transmission main throughout the City of Carmel is not protected against corrosion. A cathodic protection system is scheduled be designed and installed to reduce the potential for corrosion and extend the useful life of the pipeline.
Forest Lake Mixers (2)	75,000	Replace two horizontal mixers in Forest Lake every ten years. Last year, when lake was low, PBCSD changed oil and observed significant amount of metal grindings in the oil and on one of the mixers, observes internal gearing & noted significant amount of wear and tear. Lead time estimated at 2-3+ months. Additional time constraint is that mixers can only be replaced during a specific lake elevation.
Forest Lake Outlet Gate Electric Operators	50,000	Replace four electric gate operators on outlet structure every fifteen years. One of the three electric operators have failed and the other two have issues with their controls, gate can still be manually operated if we wish to push project.
Forest Lake Inflatable Work Boat	20,000	Purchase NEW inflatable work boat for easy lake deployment on a regular basis every twenty years. This boat would assist in the operation of changing out the mixers in addition to being a more suitable vessel for general maintenance/operations compared to launching of rigid hull aluminum boat currently in use. The current board comes with significant risk to damaging the liner each time the boat is launched and removed from the lake.
TOTAL PBCSD CAPITAL EXPENSES \$ 395,000		

CAWD/PBCSD Reclamation Project

RECLAIMED & POTABLE WATER SALES

Total Water sales - excluding meter charges.

Year	Potable AF	Reclaimed AF	Total AF	Total Water Sales	Cost per AF	Annual Change
1994-95 (partial year)	n/a	n/a	675.863	780,669.00	\$1,155	
1995-96	277.00	726.56	1,003.56	1,142,810.00	\$1,139	46.39%
1996-97	372.00	689.00	1,061.00	1,291,410.00	\$1,217	13.00%
1997-98	166.31	626.00	792.31	960,924.43	\$1,213	-25.59%
1998-99	189.53	646.37	835.90	1,004,078.00	\$1,201	4.49%
1999-00	282.92	780.41	1,063.33	1,278,885.77	\$1,203	27.37%
2000-01	317.00	636.00	953.00	1,379,969.00	\$1,448	7.90%
2001-02	344.37	642.49	986.86	1,413,050.00	\$1,432	2.40%
2002-03	272.16	706.55	978.71	1,406,089.00	\$1,437	-0.49%
2003-04	486.60	810.31	1,296.91	2,158,690.00	\$1,664	53.52%
2004-05	240.79	684.36	925.15	1,544,984.00	\$1,670	-28.43%
2005-06	156.16	718.51	874.67	1,490,644.00	\$1,704	-3.52%
2006-07	161.21	883.00	1,044.21	1,891,132.53	\$1,811	26.87%
2007-08	128.92	1,061.01	1,189.93	2,235,363.00	\$1,879	18.20%
2008-09	56.00	980.00	1,036.00	1,915,828.00	\$1,849	-14.29%
2009-10	61.84	866.66	928.50	1,807,929.00	\$1,947	-5.63%
2010-11	0.00	867.00	867.00	1,840,264.00	\$2,123	1.79%
2011-12	0.00	977.00	977.00	2,344,687.00	\$2,400	27.41%
2012-13	0.00	964.00	964.00	4,315,770.67	\$4,477	84.07%
2013-14	0.00	1,039.00	1,039.00	5,420,192.00	\$5,217	25.59%
2014-15	0.00	1,001.30	1,001.30	5,379,027.00	\$5,372	-0.76%
2015-16	24.00	1,006.00	1,030.00	5,513,758.00	\$5,353	2.50%
2016-17	0.00	839.00	839.00	5,661,358.00	\$6,748	2.68%
2017-18	0.00	1,032.00	1,032.00	6,328,302.00	\$6,132	11.78%
2018-19	15.37	894.00	909.37	6,299,411.00	\$6,927	-0.46%
2019-20	0.00	1,066.00	1,066.00	7,163,291.00	\$6,720	13.71%
2020-21 (est)	0.00	949.30	949.30	7,160,791.00	\$7,543	-0.03%
2021-22 (budget)	0.00	1,000.00	1,000.00	7,000,000.01	\$7,000	-2.25%

Actual 2020-21	Potable AF	Reclaimed AF	Total AF	Total Water Sales	Cost per AF	Cost per AF Est. Act. Variance
Jul-20	0.00	146.00	146.00	776,100.00	5,316.00	-20.89%
Aug-20	0.00	128.00	128.00	776,422.00	6,066.00	-9.73%
Sep-20	0.00	105.00	105.00	729,402.00	6,947.00	3.38%
Oct-20	0.00	101.00	101.00	697,805.00	6,909.00	2.81%
Nov-20	0.00	51.00	51.00	481,889.00	9,449.00	40.61%
Dec-20	0.00	22.00	22.00	343,410.00	15,610.00	132.29%
Jan-21	0.00	13.00	13.00	346,009.00	26,616.00	296.07%
Feb-21	0.00	8.00	8.00	466,461.00	58,308.00	767.68%
Mar-21	0.00	10.30	10.30	391,008.00	37,962.00	464.91%
Apr-21 est.	0.00	65.00	65.00	614,185.00	9,449.00	40.61%
May-21 est.	0.00	150.00	150.00	787,050.00	5,247.00	-21.92%
Jun-21 est.	0.00	150.00	150.00	751,050.00	5,007.00	-25.49%
YTD	0.00	949.30	949.30	7,160,791.00	7,543.00	12.25%

Actual 2019-20	Potable AF	Reclaimed AF	Total AF	Total Water Sales	Cost per AF	Cost per AF Est. Act. Variance
Jul-19	0.00	155.00	155.00	776,100.00	5,007.00	-25.49%
Aug-19	0.00	155.00	155.00	776,422.00	5,009.00	-25.46%
Sep-19	0.00	139.00	139.00	729,402.00	5,247.00	-21.92%
Oct-19	0.00	127.00	127.00	697,805.00	5,495.00	-18.23%
Nov-19	0.00	51.00	51.00	481,889.00	9,449.00	40.61%
Dec-19	0.00	2.00	2.00	343,410.00	171,705.00	2455.13%
Jan-20	0.00	3.00	3.00	346,009.00	115,336.00	1616.31%
Feb-20	0.00	46.00	46.00	466,461.00	10,140.00	50.89%
Mar-20	0.00	19.00	19.00	391,008.00	20,579.00	206.24%
Apr-20	0.00	61.00	61.00	576,389.00	9,449.00	40.61%
May-20	0.00	151.00	151.00	792,297.00	5,247.00	-21.92%
Jun-20	0.00	157.00	157.00	786,099.00	5,007.00	-25.49%
YTD	0.00	1,066.00	1,066.00	7,163,291.00	6,720.00	0.00%

Operating Costs - billed per AF usage

Operating Expenses	2,759,194.01
MPWMD fee	90,000.00
Reserve Contribution	35,500.00
Prior Yr O&M rollover	<u>(694.00)</u>
	2,884,000.01
Estimated AF	1,000.00
Price per AF	2,884.00

Non Operating Costs - billed per Agreement %

Non Operating Expenses	3,671,530.00
Capital Budget	1,124,650.00
Reserve Contribution	122,500.00
Prior Yr Capital Projects (rollover)	<u>(802,680.00)</u>
	4,116,000.00

		Monthly
MPCC-Dunes	12.13%	41,588.75
MPCC-Shore	12.13%	41,588.75
Cypress Point	12.13%	41,588.75
Poppy Hills	12.13%	41,588.75
Pebble Beach	12.13%	41,588.75
Spyglass Hill	12.13%	41,588.75
Spanish Bay	12.13%	41,588.75
PB Range	3.63%	12,433.75
Peter Hay	3.50%	12,005.00
PB Resorts	3.50%	12,005.00
Equestrian Center	3.00%	10,290.00
Stevenson School	1.50%	5,145.00
	<u>100.00%</u>	<u>343,000.00</u>

RESOLUTION NO. 2021-25

A RESOLUTION ADOPTING THE CAWD/PBCSD FISCAL YEAR 2021-22
RECLAMATION PROJECT BUDGET

-oOo-

WHEREAS, the attached CAWD/PBCSD Reclamation Project Fiscal Year 2021-22 Budget was approved at the Technical Advisory Committee group level and final approval was given by the Reclamation Management Committee (RMC) at its May 11, 2021 meeting; and

WHEREAS, items approved by the RMC are brought to the CAWD or PBCSD Board, as appropriate, for approval and any applicable resolution.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that it does hereby adopt the attached CAWD/PBCSD Reclamation Project Fiscal Year 2021-22 Budget.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on May 27, 2021, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

President of the Board

ATTEST:

Secretary of the Board

Staff Report



To: Board of Directors
From: Barbara Buikema, General Manager
Date: May 27, 2021
Subject: Sewer Connection Fee for FY 2021-22

RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution approving an increase in the basic residential unit connection fee to \$7,532.64 as detailed in the attached Schedule of Connection Fees effective June 1, 2021.

DISCUSSION

Sewer connection fees are set by ordinance in accordance with the California Health and Safety Code Section 5474. Connection fees are charged to recover a portion of the capital costs for the treatment facility from future users. Per the State Water Resources Control Board (SWRCB) guide for grant funded facilities, connection fees may be used to recover debt service costs if the user had been connected when the treatment works began operation. Connection fees may not be used to recover excessive cost from future users in order to reduce charges to current users. Connection fees may not be used to fund replacement costs. Therefore, the District calculations are based on the acquisition cost of its plant assets.

The accompanying summary computation shows that the recommended connection fee (performed as of the last full year of fixed asset data available) has increased 12.5% from \$6,693.51 on 2-01-20 to \$7,532.64 on 6-01-21. Detailed computation spreadsheets are available at the Board's request. Because CAWD is a built-out District it is estimated that the increase of \$839.13 per connection fee will not result in any substantial revenue gains for the year. Capital Improvement Projects (CIP) are not included in the computation until they are complete and moved into Fixed Assets.

Although we have historically calculated connection fees each year effective July 1st, based on the last full year of fixed asset data; however, there is nothing in Ordinance 85-02 that prohibits adjusting the fee at an alternate time during the year. The exact language of the Ordinance is "... which shall be determined annually, or more frequently if this Board deems it appropriate..."

The District's total assets are reflected on the books at a cost basis of \$98,271,473. This figure includes all Reclamation tertiary and secondary facilities and the Collection system. It does not include the impact of reductions from receipt of grant funds and reimbursement from PBCSD. It does not include any increased land appraisal value. It is generally acknowledged that the replacement cost for total Plant assets would be about \$125-150 million.

The purpose of the connection calculation is to determine what a new connector would be expected to pay for his/her fair share of treatment and disposal assets. The calculation is per equivalent residential unit based on original construction costs adjusted to present day value. It does not attempt to recover replacement costs because of State Resources Control Board (SWRCB) direction to charge for acquisition value only. A new connector becomes part owner of the District upon payment of the fees because he is paying a pro-rata share of the cost of assets used to treat the property owner's sewage.

Please note; that for the purposes of this calculation office equipment, vehicles and structures are not fully depreciated but are instead assigned a minimum salvage value of 10% for equipment and vehicles and 25% for structures. This assumption ensures that all assets will retain some value in the computation regardless of whether they are fully depreciated.

The formula for the connection fee, as suggested by Kennedy/Jenks/Chilton (engineering consultant), starts with assets of \$98,271,473 and excludes all Reclamation tertiary (Reclamation Secondary facilities are included) and Collection assets to arrive at applicable connection fee assets of \$49,188,042. Actual replacement costs for these assets would be \$65 - \$80 million.

According to the formula the applicable assets are then depreciated according to appropriate lives (down to a stated minimum), updated by the current Engineering News Record (ENR) Construction index and decreased by grant funds received and reimbursement from PBCSD. This mathematical process reduces the applicable assets from \$49,188,042 down to a local present value cost of \$25,109,186. To this is added the District's current assets of \$27,804,237, for a total value of applicable assets of \$39,540,734.

A connection fee per gallon per day is determined by dividing \$39,540,734 by 2,000,000 gallons per day (gpd), which is CAWD's share of the permitted authorized flows. The 2 million gpd figure is CAWD's 2/3 share of permitted flows as opposed to actual flows or designed flows. The resulting figure is then multiplied by 235 gpd (the average daily flow per equivalent residential unit) to arrive at the actual connection fee per equivalent residential unit.

This calculation results in a connection fee per equivalent residential unit (ERU) of \$7,532.64. The reasons for the increase include an increase in the ENR index of 5.40% from 2019 and an increase in current assets increase of 15.54 % over 2019. The current assets can vary greatly from year-to-year depending on cash on hand, accounts receivable, prepaid expenses, and other cash items.

COMPARISON CONNECTION FEES

The SWRCB survey of Single-Family Dwelling (SFD) Connection Fee for the last year available FY 2016-17 average is \$4,297.26. Monterey County average connection fee for a Single-Family Dwelling is \$4,818.97 for the FY 2016-17 survey. This is the last available report from the State Water Resources Control Board.

Attachments:

1. 2021 Calculations
2. Connection Fee Summary 2021
3. Schedule of Connection Fees 07-01-20

CARMEL AREA WASTEWATER DISTRICT - CONNECTION FEE CALCULATIONS

Jun-20

Reclamation																
Collection																
Asset No	GL No	DESCRIPTION OF ASSET	CUR YR.	PUR YR.	USE LIFE	% VALUE REMAINING	ORIGINAL COST	DEPRECIATED VALUE	CURRENT ENR	ORIGIN ENR	UPDATED VALUE	LOCAL COST	LOCAL VALUE	% CSD COST	CSD VALUE	
Grand Total:							98,271,473.21	50,786,801.15			81,147,395.20	100.0	79,328,507.36		25,109,186.00	

EXCLUDED ASSETS:		GL Acct #			
Reclamation - Tertiary Structures	1426	to	1431		35,384,151.66
Reclamation - O & M	1460				460,305.31
Pump Station structures	1501	to	1506		1,170,300.67
Pump Station Equipment	1521	to	1527		949,252.97
Sewer Systems	1530				11,119,419.83
<i>Total</i>					49,083,430.44

49,188,042.77 ck 98,271,473.21 ck

Land	308,060.00
Assets	97,963,413.00
	98,271,473.00
CIP	2,080,984.00
	100,352,457.00
deprec	(51,080,762.00)
	49,271,695.00

TOTAL ASSETS PER AUDITED GENERAL LEDGER	100,352,457.21
CIP	(2,080,984.00)
	98,271,473.21
	oob 0.00

- a. Current CAWD share value from above. \$25,109,186.00
- b. Total current assets as of end of June 30, 2020 \$38,998,419.77
- c. Total current value of all District assets. (a+b) \$64,107,605.77
- d. Current Authorized Design Flow. (NPDES Permit) 3,000,000 gpd
- e. Average daily flow per capita. (Design criteria) 100 gpd
- f. Average number of people per residential unit.(County Planning) 2.35 persons.
- g. Average daily flow per residential unit. (e*f) 235 gpd
- h. CAWD Share of authorized flows. (2/3 * d) 2,000,000 gpd
- i. Connection fee per unit flow. (c/h) \$32.05 per gpd.
- j. Connection fee per E.R.U. (g*i) \$7,532.64 per residential unit.

A = Input Item No. from auditor's depreciation schedule.
 B = Input current year.
 C = Input year of purchase.
 D = Input number of years for depreciation.
 E = $(1 - ((B - C) / D)) * 100$ = % value remaining. All assets are depreciated down to a functional value of 25% of cost for structures & 10% of cost for equip
 F = Input original cost.
 G = $(E * F) / 100$ = depreciated value.
 H = Input current year ENR. (San Francisco Construction) Use Sept/Oct ENR for previous fiscal year in column B.
 J = Input ENR for year of purchase. (San Francisco Construction) Use Sept/Oct ENR of current fiscal year of purchase. Therefore, Col H & J can never be the same.
 K = $(G * J) / H$ = updated value.
 L = Input local cost % when considering grant funding received. Reverts to 100% when asset functional value floor reached
 M = $(L * K) / 100$ = local cost.
 N = Input CSD share % when considering 1/3 paid by PBCSD.
 O = $(M * N) / 100$ = CAWD cost.

Connection fees may not be used to fund replacement costs

**CARMEL AREA WASTEWATER DISTRICT
CONNECTION FEE CALCULATIONS**

Based on audited figures for capital assets at June 30, 2020
effective June 1, 2021

Balance of applicable assets - June 30, 2020		98,271,473
Depreciated Value.....	50,786,801	
ENR Updated Value.....	81,147,395	
Local Value - Net after grant funds.....	79,328,507	
 Excluded Assets		
Reclamation – Tertiary Structures	35,384,151	
Reclamation – O&M	460,305	
Pump Station Structures	1,170,301	
Pump Station Equipment	949,252	
Sewer System	11,119,420	
CAWD's share - Net of PBCSD reimbursement.....		25,109,186.00
Add Current assets balances at June 30, 2019.....		38,998,419.77

(A) Total value of applicable assets.....		64,107,605.77
(B) Average daily flow per equivalent residential unit as prescribed by the County.....	235 gpd	
(C) CAWD's share of authorized flows: 2/3 x 3 mgd.....	2,000,000 gpd	
(D) Connection fee per gallon per day: (A) divided by (C).....	\$32.05	
Connection fee per Equivalent Residential Unit (B) X (D).....		<u><u>\$ 7,532.64</u></u>

Note: Applicable assets exclude Collection sewers, pipelines and pump stations, and the tertiary portion of the Reclamation Project.

Formula used was suggested by Kennedy/Jenks/Chilton and has been used since 1985.

RESOLUTION NO. 2021-26

A RESOLUTION SPECIFYING THE DISTRICT SEWER CONNECTION
AND ANNEXATION FEES, AS ADOPTED BY ORDINANCE NO.
85-2, COMMENCING JUNE 1, 2021

-oOo-

WHEREAS, Ordinance No. 85-2 establishes and adopts sewer connection and annexation fees for the Carmel Area Wastewater District, pursuant to a general formula for the determination of said fees as set forth in that ordinance, with said fees to be adjusted annually, or more frequently, based upon certain factors and determinations to be made by the District Manager, including the current value of District assets; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that, based upon the revised information now presented to it, the District's sewer connection and annexation fees, as adopted and established by Ordinance No. 85-2, are hereby specified to be \$7,532.64 per equivalent residential unit or per acre of vacant land, commencing June 1, 2021, and continuing until revised by further action of this Board.

PASSED AND ADOPTED by the Board of Directors of the Carmel Area Wastewater District at a regular meeting duly held on May 27, 2021, by the following vote:

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

President of the Board

ATTEST:

Secretary of the Board

Other Items & Information/Discussion

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: May 27, 2021

Subject: Approval to Engage a Real Estate Professional

RECOMMENDATION

Recommend the Board approve a motion authorizing the following:

- Approval to engage a real estate professional to assist the District in finding a viable parcel to relocate the treatment facility due to sea level rise.

DISCUSSION

As a condition of the District's Coastal Commission permit #3-82-199-A8 (February 2020) we have been directed to explore long-term solutions for the Plant given potential flooding scenarios in the future, including options for potential future relocation. The Coastal Commission has designated a planning horizon of 2050 that along with sea level rise scenarios, as per the Ocean Protection Council and the Commission's recent guidance, we must also address: 1) flooding from a closed lagoon; 2) flooding from a closed lagoon with storm; and/or 3) riverine flooding from the Carmel River. Given that Monterey County is under pressure to cease sandbar management and "solve" the issue of flooding of the homes in the 4th Edition neighborhood it is likely the District will need to move its operations.

There are a limited number of available parcels in the Carmel area that would be suitable for our purposes. And of those available we are likely to find that it may take a considerable amount of time and effort to go through the necessary zoning, permitting, environmental review, etc. before we can consider if the parcel is viable.

Staff is taking the position that to perform the analysis of parcel viability versus some other option it would be better to have a specific parcel under consideration rather than something undefined. Due to the limited number of suitable parcels available, the District should look at purchasing as an investment strategy for the future. Either we move the facility to that location or, if not, it is an asset that we can sell in the future.

Therefore, staff is asking first for the authorization to begin the process of acquiring property in the Carmel area that meets our requirements. This would require engaging an individual or firm with the expertise in commercial real estate that could shepherd us through this process.

Any final decision on purchase will be brought before the full Board.

FINANCIAL IMPACT

Unknown currently.

There has been discussion at the Budget Committee level where we have speculated that the entire process from purchase, through zoning, permitting, etc. could be as much as \$5 - \$7M. Funding will come from District reserves.

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: May 27, 2021

Subject: Pebble Beach Community Services District – Regular Board Meeting April 30, 2021

DISCUSSION

Agenda items from the April 30, 2021 meeting that are of specific interest to this District:

- Total cash balance at the end of March 2021 was \$15.1M; of that amount \$14.5M was designated for Capital Acquisition and Outlay Reserves. Property taxes comprise roughly 85% of District revenues with user fees making up 12%.
- The Board approved the District’s 2021-22 Long Term Capital Outlay Program. The anticipated 15 year capital costs for CAWD are \$8,340,000, those costs are front loaded in the next two years due to CAWD’s Elec/Mech Rehab & Sludge Holding Tank Project.
- The Board approved the District’s 2021-22 Long Term Financial Plan. The objectives are to identify the District’s current and estimated future resources, provide a funding method on a “pay-as-you-go” basis, set criteria and target levels for reserves designated for various purposes, and to provide a projection of the District’s long term financial position.
- The Board adopted a resolution approving the 2021-22 Preliminary Budget and set the Final Budget Hearing for June 25, 2021. The sewer user fees are proposed to be increased by 9.0% from \$24.50 to \$26.70. The estimated annual revenue that will be generated by the proposed fees is \$1,265,000. And additional \$2,445,000 is to be financed from property tax revenues, \$1,460,000 from capital outlay reserve and \$172,000 from investment and other revenue. User fees cover approximately 16% of the cost of providing sewer service.

- Forest Lake Reservoir held 106 MG (million gallons) of recycled water or 92% of permitted capacity. Current storage volume is 7% below the historic average of 114 MG.
- Total irrigation water demand for the 2021 calendar year through March was 67 AF (acre feet). Total demand for the calendar year is 8% above the 5-year average of 62 AF through the month of March. Forest Lake Reservoir reached maximum capacity in early March and was subsequently taken offline. Due to lack of precipitation in mid to late March the plant was brought back online just prior to the onset of the 2021 irrigation season. Steady and consistent drawdown of Forest Lake Reservoir commenced at the beginning of April approximately two weeks ahead of normal.
- Average daily wastewater flow of 330,000 gallons per day (GPD) was measured in March at the PBCSD-Carmel gate. This represents 28% of the total flow at the CAWD treatment facility. The measured PBCSD flow was 50% below the five-year average of 658,000 GPD for the month of March; the CAWD total flow was 33% below the five-year average of 1,732,000 GPD for March.
- The 4th Fairway Diversion was taken offline at the beginning of March and remained offline until the beginning of April. The three wells MPCC No. 8, MPCC No. 9, and MPCC Bird Rock were brought back online in mid-March. Total production for the 2021 calendar year through mid-April is approximately 2.5 million gallons.
- The Board approved the following modifications to the employee benefit programs: (1) provide employees with term life and accidental dismemberment insurance with coverage not to exceed \$200K through Association of California Water Agencies Joint Powers Insurance Authority, (2) separate the employee disability insurance program from the PBCSD Supplemental Retirement Plan, and (3) appoint the General Manager as a Trustee to the PBCSD Supplemental Retirement and the Deferred Compensation Plans.
- The Board approved a resolution authorizing the General Manager to execute a Memorandum of Understanding (MOU) with the City of Pacific Grover related to a proposed annexation of a property located at 801 Sunset Drive that will allow the District to retain existing wastewater services.

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

MONTH	TOTAL	CAWD FLOW	PBCSD FLOW	PBCSD
July - 20	37.211	25.504	11.707	31.461%
Aug - 20	36.386	24.877	11.509	31.630%
Sept - 20	33.559	23.082	10.477	31.220%
Oct - 20	32.551	23.689	8.862	27.225%
Nov-20	31.644	23.089	8.555	27.035%
Dec-20	30.572	21.732	8.840	28.915%
Jan - 21	37.781	26.537	11.244	29.761%
Feb - 21	36.638	23.536	13.102	35.761%
Mar - 21	35.896	25.666	10.230	28.499%
Total	312.238	217.712	94.526	30.274%

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: May 27, 2021

Subject: Summary of Reclamation Management
Committee (RMC) Meeting May 11, 2021

RECOMMENDATION

No action required – this is informational only.

DISCUSSION

The RMC met to approve the budget for fiscal year 2021-22. Adjustments had been suggested at the Technical Advisory Committee on May 4, 2021 and were incorporated in the final document. Cost of water for the coming year will be \$2,884,000 per acre foot and \$4,116,000 for the fixed component allocated by percentage.

Mr. Grover presented the financial statements for the nine months ended March 31, 2021. Water sales are \$15K over budget, 620 acre feet (AF) of water have been sold compared to 697 AF last year. Plant expenses, distribution expenses, and other expenses are all under budget.

Mr. Young provided an overview of Reclamation Project operations, including steps recommended by Trussell Technology and maintenance updates. In general, the system is performing quite well.

Mr. Becker of PBCSD gave an overview of Capital Improvement Projects at Forest Lake. The chlorine feed system has been replaced and fencing repairs around the reservoir were completed in March. Staff plans to restore damaged pavement at Poppy Hills before the end of June. Mr. Becker also gave a summary of Forest Lake Reservoir storage volume – this year irrigation season has started roughly two weeks earlier than in prior years. The golf courses are anticipating water rationing and there were questions for Mr. Dave Stoldt of MPWMD about potentially purchasing potable water. This may be the last year it is possible to purchase potable because the limits on pumping in Carmel River Basin will be in effect; however, he recommended we address this issue as we get closer to early fall.

STAFF REPORT

To: Board of Directors

From: Barbara Buikema, General Manager

Date: May 27, 2021

Subject: Summary of Monterey County Treasurer
Report dated 03-31-21



RECOMMENDATION

No action required – this is informational only.

DISCUSSION

Economic conditions in the quarter ending March 31, 2021 were characterized by the following factors: improving economic data supported by an additional \$1.9 trillion in relief funds from the American Rescue Plan Act, a dramatic decrease in COVID-19 caseload as vaccinations ramped up, expectations for increased inflation fueled by a combination of a stronger recovery and additional stimulus, and an increase in long-term Treasury yields to pre-pandemic levels.

Significant intervention from the Federal Reserve since the beginning of 2021 is expected to continue. The vaccine rollout, accommodative monetary policy, and the new \$1.9 trillion of fiscal stimulus all point to continued improvement in U.S. economic fundamentals. The 2021 Gross Domestic Product (GDP) projections have been revised up several times and current forecasts point to growth of 6% or more this year. This optimism, however, has also translated into increased inflation expectations, particularly in the near term, which is likely to continue to put upward pressure on longer-term rates.

On March 31, 2021, the Monterey County investment portfolio contained an amortized book value of \$2,119,066,936 spread among 220 separate securities and funds. The par value of those funds was \$2,109,458,019 with a market value of \$2,119,066,936 or 100% of amortized book value. The portfolio's net earned income yield for the period was 0.99%. The portfolio produced an estimated quarterly income of \$5,205,544 that will be distributed proportionately to all agencies participating in the investment pool. The investment portfolio had a weighted average maturity of 539 days. The County Treasury continues to use shorter term debt to provide portfolio liquidity and enhanced investment opportunities.

PORTFOLIO CHARACTERISTICS			
	09-30-20	12-31-20	03-31-21
Total Assets	\$1,918,472,919.39	\$2,227,736,412.70	\$2,109,458,018.97
Market Value	\$1,922,099,718.02	\$2,236,498,742.36	\$2,119,066,936.05
Days to Maturity	380	490	539
Yield	1.61%	1.21%	0.99%
Estimated Earnings	\$7,320,952.18	\$6,205,140.10	\$5,205,543.85

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 03-31-21	
Corporate Notes	12.9%
Overnight Liquid Assets	19.8%
US Treasuries	44.6%
Federal Agencies	20.3%
Commercial Paper	0.9%
Negotiable CDs	0.5%
Supranationals	1.1%
Municipal Bonds	0.1%

Future Strategy: Given the volatile market environment related to the COVID-19 pandemic, the Treasury has a “hold and see” approach, leaving maturing investments in short-term accounts for potential liquidity needs. As the year proceeds and market conditions evolve, the portfolio will continue to be actively managed under the established tenets of safety and liquidity while seeking to maximize the 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 [website](#).

STAFF REPORT

To: Board of Directors

From: Barbara Buikema, General Manager

Date: May 27, 2021

Subject: Quarterly Progress Report (Jan – May 2021)



RECOMMENDATION

This report is informational only – no action is required. The Board requested a quarterly update of progress made throughout the District. This report is designed to offer a high-level view of the third quarter of calendar year 2021 plus overlap into May.

DISCUSSION

General Management

- The Coastal Commission amended permit was received. This is a major event after 2+ years of negotiations and allows CAWD to continue with its Electrical/Mechanical Rehab and Holding Sludge Tank Replacement Project. The Mitigated Negative Declaration was approved in January. The authorization to bid was approved by the Board in April.
- The District entered into contracts with Rincon Consultants and MNS Engineers for the Upper Rancho Canada Sewer Replacement Project #19-13. This project was particularly difficult because of the hurdles faced in obtaining easements from both the Monterey Peninsula Regional Parks District and Santa Lucia Conservancy. The Board approved the lowest bid in January 2021; however, staff had to work with both entities until May 2021 to receive the required easements.
- The Hatton Canyon Pipeline was completed. The Notice of Completion was filed, and staff is working on completing the grant accounting.
- The Board formed an ad hoc committee to discuss potential transition from current site in the Lagoon. There have been two meetings to date.
- The Collection system is on track to CCTV all lines, exam and rate all manholes, and continue cleaning to meet the requirements of the River Watch Settlement. The additional employee has been a considerable help in assisting us to meet these goals.

- The COVID-19 Risk Mitigation and Response Plan continues to guide staff during these difficult times and was updated to reflect changes in best practices. To date, there has been only one confirmed case of COVID-19 among staff.
- The Annexation for Carmel Valley and Highlands is complete. We anticipate Carmel Valley Manor sewer main extension will commence construction this summer. And Corona Road extension has also seen movement – we have hired Monterey Bay Engineers and Denise Duffy & Associates to start work.
- I participated in the Carmel Valley Association meeting and Carmel Valley Traffic Advisory meeting as a District representative for the Carmel Valley Manor project.
- Staff continues to work with the County of Monterey on an agreement for Carmel River Floodplain Restoration and Enhancement Project (CRFREE) Project. We have received the 60% design plans and held a technical meeting with the County to form the basis of negotiations on a Memo of Understanding. The Notice of Intent to Adopt a Mitigated Negative Declaration was approved by the Board in April.
- The Admin Project to build a protective wall and barrier at the front counter in the Administration building is complete. The contractor did a wonderful job matching to the existing glass framing. This protective barrier will not only serve to protect front desk staff from COVID-19 (and any future virus), but we believe it also serves as added security. Unfortunately, the cleaning crew set the alarm off the first time they came back; but that is all taken care of now.
- The District submitted two applications to CalOES for Public Safety/Power Shutoff grants. First for a generator hookup at Reclamation and second for a battery bank at CAWD. Unfortunately, neither application was approved.

Financial Matters

- Proposed a Section 115 Trust as mitigation for CalPERS continuing Unfunded Accrued Liability and normal contributions. Board accepted the results of a Request for Proposals (RFP) but tabled authorization to fund. Currently exploring other options for the plan.
- Preliminary CAWD Budget and Rate Model for FY 2021-22 was approved by the Board in March. There has been considerable discussion this year due to COVID-19 and its impact on the community – most commercial rates increase by 1% and residential rates increase by 3.02%.

- The Reclamation Budget was approved at the May 2021 Reclamation Management Meeting.
- Cclean submitted an RFP for laboratory management/testing services. Since CAWD is the lead agency we are responsible for this function. Bids are due June 1st, and we will bring results to the Board at the June meeting for approval.
- Surprisingly (because it is well past 90 days), we recovered the final \$1,787 from Union Bank for the Reclamation Project. We have moved all deposit accounts (CAWD & Reclamation) from Union Bank to Chase Bank and are pleased with the service to date.

Personnel Management

- Completed negotiations for employee health insurance, effective 01-01-21 with a commitment to submit a RFP for health services prior to next year.
- Held a Cinco de Mayo luncheon for staff and the Board on May 5th. Since we are not able to hold our regular BBQ; this was an alternative and served as a thank you to staff for their work during the pandemic.
- Completed a major overhaul of the job description to give more detail to physical and environmental requirements. This was a multi-month project with the intent to help us better manage workers' compensation requirements. First, the improved physical requirements will be an aid in the initial screening, it gives the physician a much better concept of the job requirements. Second, in a return-to-work scenario after someone has been injured, it gives us a much better platform to plan and initiate a safe return-to-work for both the employee and the District.
- We have initiated online training for Six Sigma. While my preference would be for interactive and in-person training, that simply has not been possible during COVID-19. Therefore, there are three web sites that provide Six Sigma testing online. All direct reports to the General Manager are required to have the White level completed by June 30th. (One individual has already done so). Then we will move on to the next level or the Yellow tier. I do not believe that we will need everyone to proceed through the black belt master level, but certainly we will have everyone get through the Yellow level and then analyze next steps.
- We have initiated an Interactive Session with those employees who have declined the COVID-19 vaccine. At this time, it is not mandatory; however, those employees who decline will have to continue to exercise all precautions.

Public & Community Relations

- All public meetings have either stopped or are being held via ZOOM.
- Potable Water and Sewer Agencies have formed a new manager's group that will meet quarterly with the working group name of "Clean & Dirty Water". We will meet to discuss issues that focus on water issues.
- I continue to attend all CSA 1, CSA 50, and SDA meetings even though they have all been virtual. I also try to attend any community meetings held by Supervisor Adams, unfortunately the last one on May 13th conflicted with CSA 1 meeting so I was not able to attend. The agenda was primarily about traffic issues in Carmel Valley, so I opted for the CSA 1 meeting as more relevant to the District at this time.
- CAWD held two COVID-19 vaccine clinics and invited both PBCSD and Monterey One Water (M1W). Although we had to rescind our invite to PBCSD because of their COVID-19 outbreak, we did have roughly 25 people from M1W attend. It was very successful.