

# CARMEL AREA WASTEWATER DISTRICT

# **Regular Board Meeting**

3945 Rio Road, Carmel, CA 93923

May 26, 2022 Thursday 9:00AM



Barbara Buikema

General Manager

Ed Waggoner

**Operations Superintendent** 

Robert R. Wellington

Legal Counsel

# Carmel Area Wastewater District

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

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-08-21 (June 11, 2021) the following will be in effect until September 30, 2021.

- 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 (<u>www.cawd.org</u>) 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.



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

Via Teleconference Webinar

### CALL TO ORDER - ROLL CALL - The meeting was called to order at 8:59 a.m.

**Present:** Directors: Mike Rachel, Charlotte Townsend and President Ken White, President Pro-Tem Robert Siegfried

#### Absent: Director Greg D'Ambrosio A quorum was present.

Others: Barbara Buikema, General Manager, Carmel Area Wastewater District (CAWD or District) Rachél Lather, Principal Engineer, CAWD Patrick Treanor, Plant Engineer, CAWD Ed Waggoner, Plant Superintendent, CAWD Chris Foley, Maintenance Superintendent, CAWD Daryl Lauer, Collections Superintendent, CAWD Domine Barringer, Board Secretary, CAWD Kristina Pacheco, Board Secretary Pro-Tem, CAWD Robert Wellington, Wellington Law Offices, CAWD Legal Counsel Jeffrey Froke, Board Member of Pebble Beach Community Services District (PBCSD) Mike Niccum, General Manager, PBCSD Zander Ford, Corona Road Assessment District Resident Kate Daniels, Corona Road Assessment District Resident Lillian Hull, Corona Road Assessment District Resident Hunter Leighton, District member

**1.** *Public Comments:* No public comments

### 2. Agenda Changes:

**A.** Item 24 of the Agenda was moved forward by the Board for discussion/action prior to any other items.

(Agenda Item No. 24) Corona Road Assessment District Project #18-21 – Report by Rachél Lather

The report was presented to the Board for Resolution 2022-22 & Resolution 2022-23. Zander Ford, Kate Daniels and Lillian Hull addressed the Board requesting the District advance funds in the amount of \$4,500 in order to advance the formation of an assessment district without their group having to go door to door to obtain that amount from residents of the proposed assessment district. The Board discussed the item and took action.

#### **Board Action**

Director Siegfried made a motion to advance the funds and Director Rachel seconded that motion. The remaining attending directors accepted the choice to advance the \$4,500 amount necessary to move the Corona Road Assessment District Project forward.

Director Siegfried made a motion to approve an amended Resolution 2022-22 and Resolution 2022-23 as presented. Director Rachel seconded the motion and following a roll call vote, the Board, with one absence, approved both Resolutions. Amended Resolution 2022-22 authorizes the General Manager to use District funds to pay for an amendment to the engineering contract for the formation of a sewer assessment district. Resolution 2022-23 authorizes the General Manager to amend the contract with Monterey Bay Engineers for services for the Corona Road Assessment District Project #18-21 for \$4,500 additional funds.

**B.** Insertion of the District's vote for an Alternate Special District Representative to the Local Agency Formation Commission (LAFCO) of Monterey County – Report by Barbara Buikema

#### **Board Action**

Director Siegfried made a motion to vote for Gail Morton to the seat as Alternate Representative to LAFCO and President White seconded the motion. Following a roll call vote, with one absence, the Board approved the vote for Gail Morton.

#### **3.** *Employee Award:*

Ed Waggoner, District Plant Superintendent, detailed the award that was given to District Laboratory Analyst, Fanny Mui, as Lab Person of the Year from the California Water Environment Association (CWEA) Monterey Bay Section.

#### **4.** *Employee Award:*

Daryl Lauer, District Collections Superintendent, detailed the award that was given to District Collections' workers Barry Blevins and Robert Bowman, for Collection System Gimmicks & Gadgets given by the CWEA Monterey Bay Section for their gadget "The Bridal". Barry and Robert also demonstrated the use of The Bridal for the Board.

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

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

#### **Board Action**

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

- **5.** Regular Board Meeting Minutes of March 31, 2022; Ad Hoc Construction Committee Meeting Minutes of April 6, 2022; and the Special Board Retreat Meeting Minutes of April 20, 2022.
- **6.** Bank Statement Review by Hayashi & Wayland
- 7. Schedule of Cash Receipts & Disbursements

- 8. Register of Disbursements Carmel Area Wastewater District
- 9. Register of Disbursements CAWD/PBCSD Reclamation Project
- **10.** Financial Statements and Supplementary Schedules
- **11.** Collection System Superintendent's Report
- **12.** Safety and Regulatory Compliance Report
- **13.** Treatment Facility Operations Report
- **14.** Laboratory/Environmental Compliance Report
- **15.** Capital and Non-Capital Projects Report/Implementation Plan
- **16.** Project Summaries
- **17.** Plant Operations Report
- **18.** Maintenance Projects Report
- **19.** General Engineering Monthly Report

### **ACTION ITEMS BEFORE THE BOARD**

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

### **RESOLUTIONS**

**20. Resolution No. 2022-18**; Report by Rachél Lather

#### **Board Action**

A motion to approve the resolution was made by Director Rachel and seconded by Director Siegfried. Following a Roll Call vote, the Board, with one absence, passed Resolution 2022-18, accepting the lowest responsible bid for the "2022 Manhole Frame & Lid Replacement Project" #22-02 and awarding the contract to Coastal Paving and Excavating for \$55,700 with change order amounts not to exceed 5% of the contract amount.

**21. Resolution No. 2022-19**; Report by Rachél Lather

#### **Board Action**

A motion to approve the resolution was made by Director Rachel and seconded by Director Siegfried. Following a Roll Call vote, the Board, with one absence, passed Resolution 2022-19, accepting the completed project and directing the General Manager to file a Notice of Completion for the 2021 Pipeline Spot Repairs Project #21-02.

**22. Resolution No. 2022-20**; Report by Barbara Buikema

#### **Board Action**

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

23. Resolution No. 2022-21; Report by Barbara Buikema

#### **Board Action**

A motion to approve the resolution was made by Director Rachel and seconded by President White. Following a Roll Call vote, the Board, with one absence, passed Resolution 2022-21, ordering an election, requesting the County Elections Department conduct the election, and requesting consolidation of the election.

#### **COMMUNICATIONS**

**24.** General Manager Report - oral report

The report included an update on the CRFREE project. During the discussion, Director Siegfried requested a legal opinion from District Counsel regarding Public Records Act requests for Worker Comp experience mod data.

### **OTHER ITEMS BEFORE THE BOARD**

**25.** Accessory Dwelling Units and CAWD Policy for Connection Fees and User Rate Fees – Report by Barbara Buikema

The report was presented to the Board.

#### **Board Action**

After extensive discussion, Director Siegfried made a motion to accept the amended District Accessory Dwelling Unit (ADU) Policy and President White seconded the motion. Following a Roll Call vote, the Board, with one absence, approved the policy with the addition that the District create and maintain a listing/record of all ADU structures within the District.

### **INFORMATION/DISCUSSION ITEMS**

**26.** April update of the WWTP Elec/Mech Rehab and Sludge Holding Tank Replacement Project #18-01– Report by Patrick Treanor

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

**27.** Summary of the March 25, 2022, PBCSD Board Meeting – Report by Barbara Buikema

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

**28.** Summary of the April 19, 2022, Special District Association of Monterey County Meeting – Report by Barbara Buikema

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

- **29.** Announcements on subjects of interest to the Board made by members of the Board or Staff
  - Director Siegfried is scheduled to attend the April 29, 2022, PBCSD Regular Board meeting and Director Townsend is scheduled to attend the May 27, 2022, meeting.
  - Director Rachel is scheduled to attend the July 19, 2022, meeting of the Special Districts Association (SDA) of Monterey County meeting in place of Director D'Ambrosio.
  - President White and Director Townsend are scheduled to attend the Reclamation Management Committee meeting on May 10, 2022.

## **30. ADJOURNMENT**

There being no further business to come before the Board, the President adjourned the meeting at 10:13 a.m. The next Regular Meeting will be held at 9:00 a.m., Thursday, May 26, 2022, or an alternate acceptable date, via teleconference webinar.

As Reported To:

Domine Barringer, Secretary to the Board

APPROVED:

Ken White, President



# CARMEL AREA WASTEWATER DISTRICT (*CAWD*) **PENSION COMMITTEE MEETING MINUTES** *May 17, 2022, Tuesday, 2:30 p.m.*

## Via teleconference webinar

## CALL TO ORDER - ROLL CALL:

The meeting was called to order at 2:35 p.m.Present:President Pro Tem Robert Siegfried, Committee member<br/>Barbara Buikema, General Manager<br/>Robert Wellington, Legal Counsel<br/>Bill Hastie, Hastie Financial Group<br/>Haley Hitchman, Hastie Financial Group

Absent: Director Michael Rachel, Committee member

Appearances/Public Comments: None

### Agenda Changes: None

## **AGENDA ITEMS:**

The committee discussed the following agenda items:

- 1. 1<sup>st</sup> Quarter Review
- 2. Section 115 Review

**ADJOURNMENT:** There being no further business to come before the Committee, the meeting concluded at 3:20 p.m. The next Regular Board Meeting will be held at 9:00 a.m., Thursday, May 26, 2022, or an alternate acceptable date, via teleconference webinar. The teleconference webinar is hosted through Zoom, and you may receive access by visiting our website homepage, www.cawd.org, calling the District office at 831-624-1248 or via email at downstream@cawd.org.

## As Reported To:

Barbara Buikema, General Manager

APPROVED:

Ken White, President



#### INDEPENDENT ACCOUNTANTS' REPORT

May 17, 2022

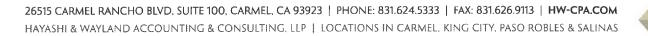
To the Board of Directors Carmel Area Wastewater District

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

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

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

- (1) We reviewed individual checks (or electronic images of individual checks or substitute checks). This procedure did not reveal any significant differences.
- (2) We examined the signatures on each check and compared them to a copy of the signature card on file with your bank to determine if the correct authorized people have signed the checks (we are not handwriting or forgery experts). This procedure revealed a missing second signature for check 2826.
- (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.



Carmel Area Wastewater District May 17, 2022 Page 2 of 2

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

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

Robert Lee, CPA <sup>\*</sup> Partner Hayashi Wayland

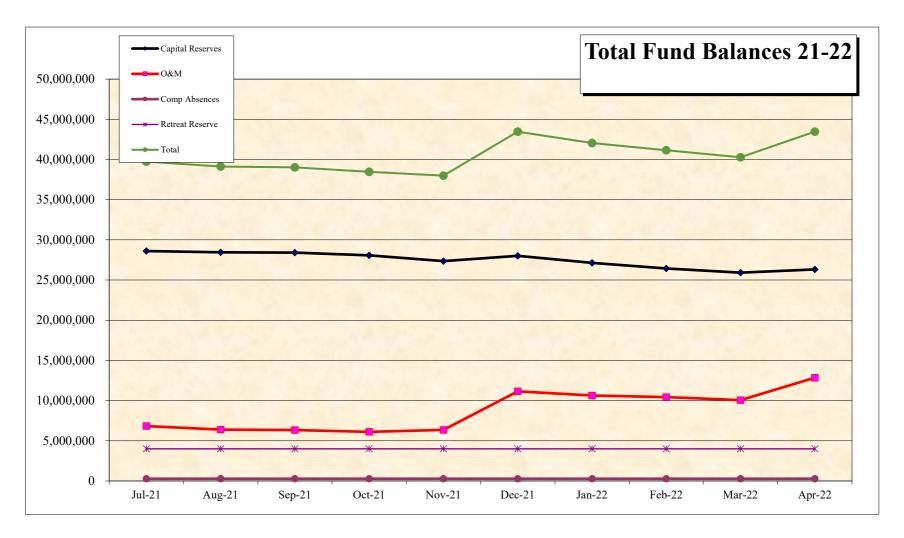
Cc: Mr. Ken White, President



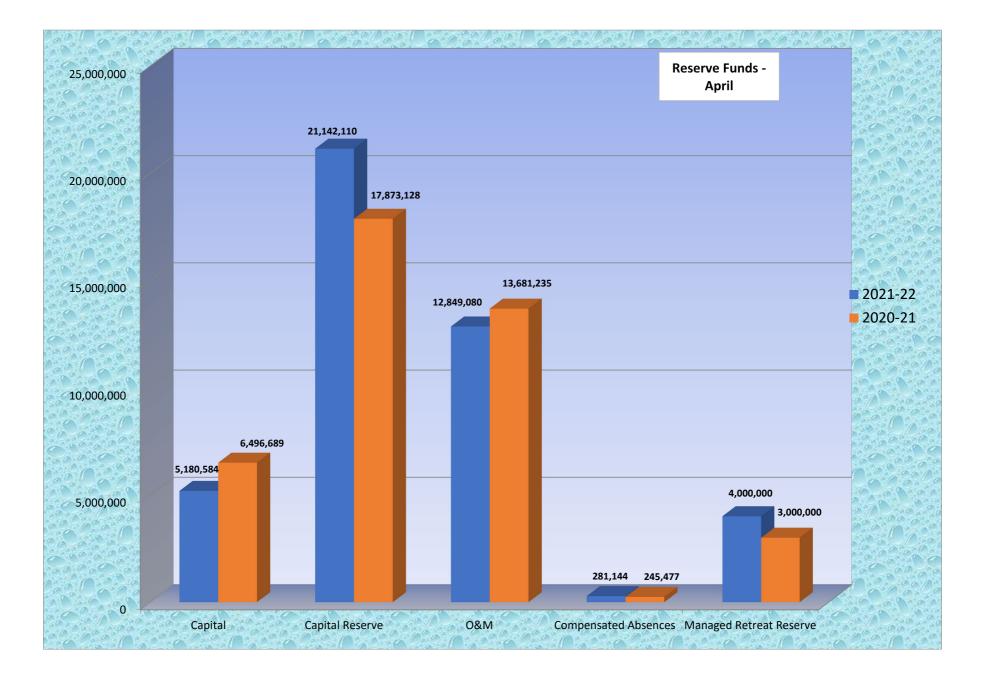
HAYASHI | WAYLAND

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

|   | Capital<br>Fund | Capital<br>Improvement<br>Reserve | General O & M<br>Fund | Compensated<br>Accruals<br>Reserve | Defend or<br>Managed Retreat<br>Reserve | COUNTY<br>Total Fund<br>Balance | Chase<br>Bank O & M<br>Balance | Chase<br>Bank PR<br>Balance | L.A.I.F.<br>Balance |
|---|-----------------|-----------------------------------|-----------------------|------------------------------------|---|---------------------------------|--------------------------------|-----------------------------|---------------------|
| BALANCE BEGINNING OF MONTH                    | \$5,589,641     | \$20,329,367                      | \$10,066,609          | \$281,144                          | \$4,000,000                             | \$40,266,761                    | \$427,958                      | \$6,022                     | \$1,197,285         |
| -   |                 |                                   |                       |                                    |   |                                 |                                |                             |                     |
| Receipts:                                     |                 |                                   | 2012-041              |                                    |   |                                 |                                |                             |                     |
| User Fees                                     |                 | 010 744                           | 2,965,846             |                                    |   |                                 |                                |                             |                     |
| Property Taxes                                |                 | 812,744                           |                       |                                    |   |                                 | 115.000                        |                             |                     |
| PBCSD Treatment Fees                          |                 |                                   |                       |                                    |   |                                 | 115,000                        |                             |                     |
| Reclamation O & M reimbursement               |                 |                                   |                       |                                    |   |                                 | 73,281                         |                             |                     |
| Reclamation capital billing                   |                 |                                   |                       |                                    |   |                                 | 5 100                          |                             |                     |
| Permits                                       |                 |                                   |                       |                                    |   |                                 | 5,100                          |                             |                     |
| PBCSD capital billing                         |                 |                                   |                       |                                    |   |                                 | 16.601                         |                             |                     |
| Other misc. revenue                           |                 |                                   | 22.042                |                                    |   |                                 | 16,681                         |                             | 0.40                |
| Interest income                               |                 |                                   | 33,043                |                                    |   |                                 |                                |                             | 943                 |
| Connection Fees                               |                 |                                   |                       |                                    |   |                                 | 7,533                          |                             |                     |
| CCLEAN receipts                               |                 |                                   |                       |                                    |   |                                 | 7,500                          |                             |                     |
| CRFree Project grant funds                    |                 |                                   |                       |                                    |   |                                 |                                |                             |                     |
| Sale of dump truck                            |                 |                                   |                       |                                    |   |                                 |                                |                             |                     |
| Hatton Canyon Grant Funds                     |                 |                                   |                       |                                    |   |                                 |                                |                             |                     |
| Void checks-replace lost check                |                 |                                   |                       |                                    |   |                                 | 1,400                          |                             |                     |
| Total Receipts                                | 0               | 812,744                           | 2,998,889             | 0                                  | 0                                       | 3,811,633                       | 226,495                        | 0                           | 943                 |
| Fund Transfers:                               |                 |                                   |                       |                                    |   |                                 |                                |                             |                     |
| Transfers to Chase Bank O&M                   | (409,058)       |                                   | (190,942)             |                                    |   |                                 | 600,000                        |                             |                     |
| Transfers to Chase Bank O&M                   | (409,038)       |                                   | (190,942)             |                                    |   |                                 | (235,000)                      | 235,000                     |                     |
|   |                 |                                   |                       |                                    |   |                                 | (235,000)                      | 235,000                     |                     |
| Transfer to Defend or Managed Retreat Fund    |                 |                                   |                       |                                    |   |                                 |                                |                             |                     |
| Intra-fund transfers for capital expenditures |                 |                                   |                       |                                    |   |                                 |                                |                             |                     |
| Rebalance Capital and O&M Reserves            | (400.050)       | 0                                 | (100.042)             | 0                                  | 0                                       | ((00.000)                       | 265.000                        | 225.000                     | 0                   |
| Total Transfers                               | (409,058)       | 0                                 | (190,942)             | 0                                  | 0                                       | (600,000)                       | 365,000                        | 235,000                     | 0                   |
| Disbursements:                                |                 |                                   |                       |                                    |   |                                 |                                |                             |                     |
| Operations and capital                        |                 |                                   |                       |                                    |   |                                 | 616,116                        |                             |                     |
| Payroll & payroll taxes                       |                 |                                   |                       |                                    |   |                                 |                                | 234,595                     |                     |
| Employee Dental reimbursements                |                 |                                   |                       |                                    |   |                                 | 154                            |                             |                     |
| CALPERS EFT                                   |                 |                                   |                       |                                    |   |                                 | 36,079                         |                             |                     |
| CAWD SAM pension EFT                          |                 |                                   |                       |                                    |   |                                 | 0                              |                             |                     |
| CAWD pension loans EFT                        |                 |                                   |                       |                                    |   |                                 | 587                            |                             |                     |
| Home Depot EFT                                |                 |                                   |                       |                                    |   |                                 | 300                            |                             |                     |
| US Bank EFT                                   |                 |                                   |                       |                                    |   |                                 | 3,275                          |                             |                     |
| Deferred comp contributions EFT               |                 |                                   |                       |                                    |   |                                 | 14,065                         | 0                           |                     |
| PEHP contributions EFT                        |                 |                                   |                       |                                    |   |                                 | 3,251                          | 0                           |                     |
| Bank/ADP fees                                 |                 |                                   |                       |                                    |   |                                 | 0                              | 537                         |                     |
| Highlands Bond Debt Service Payment           |                 |                                   |                       |                                    |   |                                 |                                |                             |                     |
| Annual County admin billing fee               |                 |                                   | 25,476                |                                    |   |                                 |                                |                             |                     |
| Wage garnishment payment                      |                 |                                   | 20,170                |                                    |   |                                 |                                |                             |                     |
| GASB 68 report fee & SSA 218 fee              |                 |                                   |                       |                                    |   |                                 |                                |                             |                     |
| Total Disbursements                           | 0               | 0                                 | 25,476                | 0                                  | 0                                       | 25,476                          | 673,827                        | 235,132                     | 0                   |
|   | · · · ·         |                                   | .,.,•                 |                                    |   | .,,,,,,                         |                                |                             |                     |
| BALANCE END OF MONTH                          | 5,180,584       | 21,142,110                        | 12,849,080            | 281,144                            | 4,000,000                               | 43,452,918                      | 345,626                        | 5,890                       | 1,198,228           |



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



### Carmel Area Wastewater District Disbursements Apr-22

| Date       | Check | Vendor                              | Description   | Amount     |
|------------|-------|-------------------------------------|---|------------|
| 04/01/22   | 2860  | American Fidelity Assurance         | Employee insurance premiums   | 586.16     |
| 04/01/22   | 2861  | Equitable Financial Life Insurance  | Life insurance, long-term and short-term disability premiums                              | 2,461.68   |
| 04/01/22   | 2862  | First Alarm                         | Quarterly alarm billing for admin and Plant   | 578.25     |
| 04/01/22   | 2863  | Fisher Scientific                   | Lab supplies  | 875.14     |
| 04/01/22   | 2864  | MSDSonline DBA VelocityEHS          | Annual subscription for MSDS sheets   | 1,697.40   |
| 04/01/22   | 2865  | Patelco Credit Union                | Health savings accounts contributions   | 6,247.88   |
| 04/01/22   | 2866  | Pacific Gas & Electric              | Monthly service   | 3,927.97   |
| 04/01/22   | 2867  | Scarborough Lumber & Building       | Operating supplies  | 109.47     |
| 04/01/22   | 2868  | Smitty's Janitorial                 | Monthly service   | 1,110.00   |
| 04/01/22   | 2869  | Vision Service Plan                 | Vision insurance premium  | 595.35     |
| 04/01/22   | 2870  | Chris Davis                         | New golf cart for Plant   | 5,800.00   |
| 04/14/22   | 2871  | Matthews Mechanical                 | Finish drive unit replaced, install dewatering eyewash station, remove trip               | 19,194.38  |
|            |       |                                     | hazards, rebuild influent pump and new headworks valves                                   |            |
| 04/18/22   | 2872  | Amazon Capital Services             | Small tools   | 229.83     |
| 04/18/22   | 2873  | American Fidelity Assurance Company | Flex accounts   | 163.55     |
| 04/18/22   | 2874  | AT&T Mobility                       | Cell service  | 668.86     |
| 04/18/22   | 2875  | AT&T CALNET 3                       | Plant fiber   | 592.06     |
| 04/18/22   | 2876  | AT&T                                | Voice routing   | 48.98      |
| 04/18/22   | 2877  | Bay Area Barricade Service          | Traffic cones   | 3,112.05   |
| 04/18/22   | 2878  | Beth Ingram                         | Reimbursement for job postings and training registrations                                 | 1,386.50   |
| 04/18/22   | 2879  | Biobot Analytics                    | Influent sample testing   | 1,400.00   |
| 04/18/22   | 2880  | Cal-Am Water                        | Monthly service   | 1,270.39   |
| 04/18/22   | 2881  | Carmel Marina Corporation           | Plant rolloffs and admin garbage  | 984.13     |
| 04/18/22   | 2882  | Carmel Pine Cone                    | Carmel Meadows Gravity Sewer Project #19-03 (CAPITAL \$180.00)<br>and other legal notices | 513.00     |
| 04/18/22   | 2883  | CAWD\PBSCD Reclamation Project      | Reimbursement for tertiary lab PG&E   | 521.99     |
| 04/18/22   | 2885  | Cintas Corporation #63D             | Laundry service   | 758.43     |
| 04/18/22   | 2885  | Clark Bros., Inc.                   | Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL),                                | 242,280.00 |
| 0 11 10/22 | 2000  |                                     | Progress payment #6   | 212,200.00 |
| 04/18/22   | 2886  | Coastal Paving & Excavating         | Dougherty Place emergency line repair (CAPITAL)   | 2,670.40   |
| 04/18/22   | 2887  | Comcast                             | Pump station internet   | 537.35     |
| 04/18/22   | 2888  | Currie Engineers                    | Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL)                                 | 57,135.00  |
| 04/18/22   | 2889  | Datco Services                      | Quarterly service fees  | 195.00     |
| 04/18/22   | 2890  | Del Monte Gardeners                 | Easement clearings  | 5,000.00   |
| 04/18/22   | 2891  | Fastenal Company                    | Operating supplies  | 1,693.21   |
| 04/18/22   | 2892  | FGL Environmental                   | Sample analysis   | 2,082.00   |
| 04/18/22   | 2893  | Gavilan/Salinas Crane & Rigging     | Crane used to pull conveyor   | 675.00     |
|            |       |                                     |   |            |

### Carmel Area Wastewater District Disbursements Apr-22

| Date     | Check        | Vendor                             | Description   | Amount     |
|----------|--------------|------------------------------------|---|------------|
| 04/18/22 | 2894         | Grainger                           | Document boxes  | 344.69     |
| 04/18/22 | 2895         | Granite Rock Company               | Plaster sand  | 221.01     |
| 04/18/22 | 2896         | Green Infrastructure Design        | Web GIS mapping for CAWD GIS  | 960.00     |
| 04/18/22 | 2897         | Hayashi & Wayland Accounting       | Bank reconciliation oversight   | 450.00     |
| 04/18/22 | 2898         | ICON Cloud Solutions               | Telephone service   | 587.50     |
| 04/18/22 | 2899         | Idexx Laboratories                 | Lab supplies  | 2,013.11   |
| 04/18/22 | 2900         | Karla Cristi-VOID                  | Retroactive pay and dental (\$200.00)-VOID  | 0.00       |
| 04/18/22 | 2901         | Kennedy/Jenks Consultants          | CRFREE Mitigation Pipeline Undergrounding project #19-21 and<br>Elec/Mech Rehab and Holding Tank Project #18-01 (CAPITAL \$22,052.50) | 24,987.50  |
| 04/18/22 | 2902         | Liberty Composting                 | Sludge hauling  | 7,879.11   |
| 04/18/22 | 2903         | MBS Business Systems               | Admin copier billing  | 367.58     |
| 04/18/22 | 2904         | McMaster-Carr                      | Operating supplies  | 25.99      |
| 04/18/22 | 2905         | Mocon Corporation                  | Dougherty Place emergency line repair (CAPITAL)   | 84,740.00  |
| 04/18/22 | 2906         | Monterey Regional Waste Mgmt.      | Disposal of flammable liquids and epoxies   | 269.00     |
| 04/18/22 | 2907         | Motion Industries                  | Pneumatic parts and rebuild kits  | 1,312.91   |
| 04/18/22 | 2908         | Murphy Austin Adams Schoenfeld LLP | Legal services-Monterey County option agreement-<br>CRFREE Mitigation Pipeline Undergrounding project #19-21                          | 5,000.00   |
| 04/18/22 | 2909         | Peninsula Welding & Medical Supply | Non-liquid cylinder rentals   | 77.40      |
| 04/18/22 | 2910         | Pacific Gas & Electric             | Monthly service   | 29,916.15  |
| 04/18/22 | <b>29</b> 11 | Pure Water                         | Monthly service   | 176.50     |
| 04/18/22 | 2912         | Quill LLC                          | Office supplies   | 110.77     |
| 04/18/22 | 2913         | Raymond De Ocampo                  | Dental  | 154.00     |
| 04/18/22 | <b>29</b> 14 | Streamline                         | Website maintenance   | 400.00     |
| 04/18/22 | 2915         | Toro Petroleum                     | Gas tank hose   | 840.81     |
| 04/18/22 | 2916         | Town & Country Gardening           | Monthly service   | 650.00     |
| 04/18/22 | 2917         | Trowbridge Enterprises             | Office chair  | 431.43     |
| 04/18/22 | 2918         | Univar Solutions USA Inc.          | Sodium bisulfate and hypochlorite   | 11,919.32  |
| 04/18/22 | 2919         | Vision Communications              | New radio   | 1,041.88   |
| 04/18/22 | 2920         | Weco Industries                    | Rod guide hose with couplings   | 1,173.24   |
| 04/26/22 | 2921         | Culligan Water Conditioning        | C&I exchange service for the lab  | 18.35      |
| 04/26/22 | 2922         | Image Source                       | Plant copier  | 69.73      |
| 04/26/22 | 2923         | Public Agency Coalition Enterprise | Health insurance premium  | 35,520.09  |
| 04/28/22 | 2924         | Ann Muraski                        | Spring/Summer newsletter  | 13,367.50  |
| 04/28/22 | 2925         | Applied Marine Sciences            | March CCLEAN and Evaluating Ag. Management Practices  | 24,141.28  |
| 04/28/22 | 2926         | Monterey County Clerk              | Notice of Completion fee for Pipeline Spot Repair Project   | 2.00       |
|          |              |                                    |   | 616,270.26 |

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## CAWD/PBCSD Reclamation Project Disbursements Apr-22

| Date     | Check | Vendor                                   | Description   | Amount     |
|----------|-------|--|---|------------|
| 04/01/22 | 586   | Fisher Scientific                        | Lab supplies  | 291.71     |
| 04/01/22 | 587   | Frisch Engineering                       | CIP-SCADA Migration Project #21-09 (CAPITAL)  | 1,280.00   |
| 04/01/22 | 588   | Harrington Industrial Plastics           | Sulfuric Acid Tank Project #18-26 (CAPITAL)   | 1,965.82   |
| 04/01/22 | 589   | Pebble Beach Company                     | Reimbursement for COP interest expense  | 717.31     |
| 04/01/22 | 590   | Pacific Gas & Electric                   | Tertiary billing  | 16,666.66  |
| 04/01/22 | 591   | Thermo Electron North America            | Lab supplies  | 2,851.35   |
| 04/14/22 | 592   | Matthews Mechanical                      | Eyewash station, annual service on pumps, SCADA Migration Project #21-09 and Sulfuric Acid Tank Project #18-26 (CAPITAL \$4,545.00) | 8,256.40   |
| 04/18/22 | 593   | Borges & Mahoney                         | Preventative maintenance kits, valve kits and belt joints   | 1,398.41   |
| 04/18/22 | 594   | Brenntag Pacific                         | Ammonium hydroxide  | 3,828.85   |
| 04/18/22 | 595   | Cal-Am Water                             | Hydrant Meter K monthly service   | 2,785.53   |
| 04/18/22 | 596   | Carmel Area Wastewater District          | Reimbursement for Plant O&M   | 73,281.04  |
| 04/18/22 | 597   | FLW, Inc.                                | Pressure gauges   | 961.27     |
| 04/18/22 | 598   | Grainger                                 | Document boxes  | 147.73     |
| 04/18/22 | 599   | Harrington Industrial Plastics           | Ball valve and saddle clamp   | 163.91     |
| 04/18/22 | 600   | Idexx Laboratories                       | Lab supplies  | 2,013.10   |
| 04/18/22 | 601   | Pebble Beach Company                     | Bond principal and interest, letter of credit fees current and past and project rep costs   | 263,397.12 |
| 04/18/22 | 602   | Pebble Beach Community Services District | Reimbursement for O&M   | 45,765.57  |
| 04/18/22 | 603   | Pacific Gas & Electric                   | MF/RO billing   | 19,014.22  |
| 04/18/22 | 604   | Professional Water Technologies          | Opticlean-S-45 clean-in-place chemical and Spectraguard360-275G   | 11,516.64  |
| 04/18/22 | 605   | Stifel Nicolaus & Company                | Quarterly remarketing fee   | 1,951.78   |
| 04/18/22 | 606   | Thatcher Company of California           | Citric acid   | 14,671.46  |
| 04/18/22 | 607   | Trussell Technologies                    | MF/RO Ops Support project NPDES permit renewal  | 3,145.00   |
|          |       |  |   | 476,070.88 |



# Financial Statements and Supplementary Schedules

# April 2022

May 26, 2022

# Carmel Area Wastewater District Balance Sheet

|                                    | ASSETS        |                 |                |
|------------------------------------|---------------|-----------------|----------------|
| Current Assets                     |               |                 |                |
| Cash                               |               |                 |                |
| Cash                               | 45,002,662.85 |                 |                |
| TOTAL Cash                         |               | 45,002,662.85   |                |
| Other Current Assets               |               |                 |                |
| Other Current Assets               | 328,765.35    |                 |                |
| TOTAL Other Current Assets         |               | 328,765.35      |                |
| TOTAL Current Assets               |               |                 | 45,331,428.20  |
| Fixed Assets                       |               |                 |                |
| Land                               |               |                 |                |
| Land                               | 308,059.76    |                 |                |
| TOTAL Land                         |               | 308,059.76      |                |
| Treatment Structures               |               |                 |                |
| Treatment Structures               | 70,358,452.24 |                 |                |
| TOTAL Treatment Structures         |               | 70,358,452.24   |                |
| Treatment Equipment                |               |                 |                |
| Treatment Equipment                | 8,730,143.38  |                 |                |
| TOTAL Treatment Equipment          |               | 8,730,143.38    |                |
| Collection Structures              |               |                 |                |
| Collection Structures              | 1,238,843.71  |                 |                |
| TOTAL Collection Structures        |               | 1,238,843.71    |                |
| Collection Equipment               |               |                 |                |
| Collection Equipment               | 1,509,600.36  |                 |                |
| TOTAL Collection Equipment         |               | 1,509,600.36    |                |
| Sewers                             |               | 13,423,088.18   |                |
| Disposal Facilities                | 1 ( 12 000 05 |                 |                |
| Disposal Facilities                | 1,643,890.85  | 1 / 10 000 0 0  |                |
| TOTAL Disposal Facilities          |               | 1,643,890.85    |                |
| Other Fixed Assets                 | 1 501 051 06  |                 |                |
| Other Fixed Assets                 | 4,504,051.96  | 4 504 051 05    |                |
| TOTAL Other Fixed Assets           |               | 4,504,051.96    |                |
| Capital Improvement Projects       | 6 506 302 70  |                 |                |
| Capital Improvement Projects       | 6,506,203.79  |                 |                |
| TOTAL Capital Improvement Projects |               | 6,506,203.79    |                |
| Accumulated depreciation           |               | (53,892,952.22) |                |
| TOTAL Fixed Assets                 |               |                 | 54,329,382.01  |
| Other Assets                       |               |                 |                |
| Other Assets                       |               | 2,501,563.50    |                |
| TOTAL Other Assets                 |               |                 | 2,501,563.50   |
| TOTAL ASSETS                       |               |                 | 102,162,373.71 |

# Carmel Area Wastewater District Balance Sheet

April 2022

|                                  | LIABILITIES  |               |                |
|----------------------------------|--------------|---------------|----------------|
| Current Liabilities              |              |               |                |
| Current Liabilities              |              | 680,324.64    |                |
| TOTAL Current Liabilities        |              |               | 680,324.64     |
| Long-Term Liabilities            |              |               |                |
| Long Term Liabilities            |              | 616,536.94    |                |
| TOTAL Long-Term Liabilities      |              |               | 616,536.94     |
| TOTAL LIABILITIES                |              |               | 1,296,861.58   |
|                                  | NET POSITION |               |                |
| Net Assets                       |              | 93,156,112.81 |                |
| Year-to-Date Earnings            |              | 7,709,399.32  |                |
| TOTAL NET POSITION               |              |               | 100,865,512.13 |
| TOTAL LIABILITIES & NET POSITION |              |               | 102,162,373.71 |
|                                  |              |               |                |

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

|  | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var   |
|--|-----------------------------------|---|------------------------------|---------|
| Income   |                                   |   |                              |         |
| Revenue  | 10,937,719.57                     | 10,409,606.30                               | 528,113.27                   | 5.1 %   |
| TOTAL Income   | 10,937,719.57                     | 10,409,606.30                               | 528,113.27                   | 5.1 %   |
| Adjustments  |                                   |   |                              |         |
| Discounts  | 446.71                            | 0.00  | 446.71                       |         |
| TOTAL Adjustments  | 446.71                            | 0.00  | 446.71                       |         |
| ****   | 10,938,166.28                     | 10,409,606.30                               | 528,559.98                   | 5.1 %   |
| ***** OPERATING INCOME                                   | 10,938,166.28                     | 10,409,606.30                               | 528,559.98                   | 5.1 %   |
| Operating Expenses                                       |                                   |   |                              |         |
| Salaries and Payroll Taxes<br>Salaries and Payroll Taxes | 3,033,621.81                      | 2,945,477.84                                | (88,143.97)                  | -3.0 %  |
| TOTAL Salaries and Payroll Taxes                         | 3,033,621.81                      | 2,945,477.84                                | (88,143.97)                  | -3.0 %  |
| Employee Benefits  |                                   |   |                              |         |
| Employee Benefits  | 534,433.45                        | 801,055.00                                  | 266,621.55                   | 33.3 %  |
| TOTAL Employee Benefits                                  | 534,433,45                        | 801,055.00                                  | 266,621.55                   | 33.3 %  |
| Director's Expenses                                      |                                   |   |                              |         |
| Director's Expenses                                      | 18,221.64                         | 28,216.00                                   | 9,994.36                     | 35.4 %  |
| TOTAL Director's Expenses                                | 18,221.64                         | 28,216.00                                   | 9,994.36                     | 35.4 %  |
| Truck and Auto Expenses                                  | <i>(C</i> .010. <i>C</i> .4       | 50.004.00                                   | (14,000,04)                  | 20.4.0/ |
| Truck and Auto Expenses                                  | 65,913.54                         | 50,924.30                                   | (14,989.24)                  | -29.4 % |
| TOTAL Truck and Auto Expenses                            | 65,913.54                         | 50,924.30                                   | (14,989.24)                  | -29.4 % |
| General and Administrative<br>General and Administrative | 303,246.60                        | 623,030.00                                  | 319,783.40                   | 51.3 %  |
| TOTAL General and Administrative                         | 303,246.60                        | 623,030.00                                  | 319,783.40                   | 51.3 %  |
| Office Expense   | ·                                 |   | ,                            |         |
| Office Expense   | 42,841.00                         | 46,112.40                                   | 3,271.40                     | 7.1 %   |
| TOTAL Office Expense                                     | 42,841.00                         | 46,112.40                                   | 3,271.40                     | 7.1 %   |
| Operating Supplies                                       |                                   |   |                              |         |
| Operating Supplies                                       | 367,398.69                        | 408,660.20                                  | 41,261.51                    | 10.1 %  |
| TOTAL Operating Supplies                                 | 367,398.69                        | 408,660.20                                  | 41,261.51                    | 10.1 %  |
| Contract Services  |                                   |   |                              |         |
| Contract Services  | 771,348.54                        | 1,102,694.20                                | 331,345.66                   | 30.0 %  |
| TOTAL Contract Services                                  | 771,348.54                        | 1,102,694.20                                | 331,345.66                   | 30.0 %  |

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

|  | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var    |
|--|-----------------------------------|---|------------------------------|----------|
| Repairs and Maintenance                                      |                                   |   |                              |          |
| Repairs and Maintenance                                      | 325,350.78                        | 631,625.00                                  | 306,274.22                   | 48.5 %   |
| TOTAL Repairs and Maintenance                                | 325,350.78                        | 631,625.00                                  | 306,274.22                   | 48.5 %   |
| Utilities  |                                   |   |                              | <b>.</b> |
| Utilities  | 307,549.78                        | 384,223.30                                  | 76,673.52                    | 20.0 %   |
| TOTAL Utilities  | 307,549.78                        | 384,223.30                                  | 76,673.52                    | 20.0 %   |
| Travel and Meetings  | 15 220 00                         | 45 770 10                                   | 20, 120, 20                  |          |
| Travel and Meetings  | 15,339.88                         | 45,779.10                                   | 30,439.22                    | 66.5 %   |
| TOTAL Travel and Meetings                                    | 15,339.88                         | 45,779.10                                   | 30,439.22                    | 66.5 %   |
| Permits and Fees   | <b>54 488</b> 00                  | 50.050.00                                   |                              |          |
| Permits and Fees   | 54,432.00                         | 73,850.00                                   | 19,418.00                    | 26.3 %   |
| TOTAL Permits and Fees                                       | 54,432.00                         | 73,850.00                                   | 19,418.00                    | 26.3 %   |
| Memberships and Subscriptions                                | 21 151 02                         | 27 822 20                                   | 6 (92 29                     | 1770/    |
| Memberships and Subscriptions                                | 31,151.02                         | 37,833.30                                   | 6,682.28                     | 17.7 %   |
| TOTAL Memberships and Subscriptions                          | 31,151.02                         | 37,833.30                                   | 6,682.28                     | 17.7 %   |
| Safety   | 62 612 00                         | 42 141 90                                   | (10.271.20)                  | 24.0.0/  |
| Safety   | 53,513.09                         | 43,141.80                                   | (10,371.29)                  | -24.0 %  |
| TOTAL Safety   | 53,513.09                         | 43,141.80                                   | (10,371.29)                  | -24.0 %  |
| Other Expenses   | 44 700 97                         | 27 750 10                                   | (7.040.77)                   | 10.77.0/ |
| Other Expense  | 44,799.87                         | 37,750.10                                   | (7,049.77)                   | -18.7 %  |
| TOTAL Other Expenses   | 44,799.87                         | 37,750.10                                   | (7,049.77)                   | -18.7 %  |
| TOTAL Operating Expenses                                     | 5,969,161.69                      | 7,260,372.54                                | 1,291,210.85                 | 17.8 %   |
| ***** OPERATING INCOME (LOSS)                                | 4,969,004.59                      | 3,149,233.76                                | 1,819,770.83                 | 57.8 %   |
| Non-op Income, Expense, Gain or Loss<br>Other Income or Gain |                                   |   |                              |          |
| Other Income, Gain, Expense and Loss                         | 2,740,394.73                      | 2,406,475.00                                | 333,919.73                   | 13.9 %   |
| TOTAL Other Income or Gain                                   | 2,740,394.73                      | 2,406,475.00                                | 333,919.73                   | 13.9 %   |
| TOTAL Non-op Income, Expense, Gain or Loss                   | 2,740,394.73                      | 2,406,475.00                                | 333,919.73                   | 13.9 %   |
| ***** NET INCOME (LOSS)                                      | 7,709,399.32                      | 5,555,708.76                                | 2,153,690.56                 | 38.8 %   |
| ***** NET INCOME (LOSS)                                      | 7,709,399.32                      | 5,555,708.76                                | 2,153,690.56                 | 38.8 %   |

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

|  | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var    |
|--|-----------------------------------|---|------------------------------|----------|
| ****                                   | 0.00                              | 0.00  | 0.00                         |          |
| *****                                  | 0.00                              |   | 0.00                         |          |
| ***** OPERATING INCOME                 | 0.00                              | 0.00  | 0.00                         |          |
| Operating Expenses                     |                                   |   |                              |          |
| Salaries and Payroll Taxes             | 100.050.10                        |   | 1 ( 220 0 (                  |          |
| Salaries and Payroll Taxes             | 428,052.42                        | 444,382.28                                  | 16,329.86                    | 3.7 %    |
| TOTAL Salaries and Payroll Taxes       | 428,052.42                        | 444,382.28                                  | 16,329.86                    | 3.7 %    |
| Employee Benefits<br>Employee Benefits | 97,076.16                         | 139,512.70                                  | 42,436.54                    | 30.4 %   |
| TOTAL Employee Benefits                | 97,076.16                         | 139,512.70                                  | 42,436.54                    | 30.4 %   |
| Truck and Auto Expenses                |                                   |   |                              | 50.470   |
| Truck and Auto Expenses                | 1,529.76                          | 6,941.70                                    | 5,411.94                     | 78.0 %   |
| TOTAL Truck and Auto Expenses          | 1,529.76                          | 6,941.70                                    | 5,411.94                     | 78.0 %   |
| General and Administrative             |                                   |   | ;                            |          |
| General and Administrative             | 30,346.81                         | 38,333.30                                   | 7,986.49                     | 20.8 %   |
| TOTAL General and Administrative       | 30,346.81                         | 38,333.30                                   | 7,986.49                     | 20.8 %   |
| Office Expense                         |                                   |   |                              |          |
| Office Expense                         | 3,831.44                          | 1,875.00                                    | (1,956.44)                   | -104.3 % |
| TOTAL Office Expense                   | 3,831.44                          | 1,875.00                                    | (1,956.44)                   | -104.3 % |
| Operating Supplies                     |                                   |   |                              |          |
| Operating Supplies                     | 46,621.20                         | 47,750.20                                   | 1,129.00                     | 2.4 %    |
| TOTAL Operating Supplies               | 46,621.20                         | 47,750.20                                   | 1,129.00                     | 2.4 %    |
| Contract Services<br>Contract Services | 338,811.86                        | 523,283.40                                  | 184,471.54                   | 35.3 %   |
| TOTAL Contract Services                | 338,811.86                        | 523,283.40                                  | 184,471.54                   | 35.3 %   |
| Repairs and Maintenance                |                                   |   |                              |          |
| Repairs and Maintenance                | 121,014.40                        | 189,166.60                                  | 68,152.20                    | 36.0 %   |
| TOTAL Repairs and Maintenance          | 121,014.40                        | 189,166.60                                  | 68,152.20                    | 36.0 %   |
| Utilities                              |                                   |   |                              |          |
| Utilities                              | 3,685.13                          | 3,916.70                                    | 231.57                       | 5.9 %    |
| TOTAL Utilities                        | 3,685.13                          | 3,916.70                                    | 231.57                       | 5.9 %    |
| Travel and Meetings                    |                                   |   |                              |          |
| Travel and Meetings                    | 1,089.34                          | 5,333.30                                    | 4,243.96                     | 79.6 %   |

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

|                                     | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var   |
|-------------------------------------|-----------------------------------|---|------------------------------|---------|
| TOTAL Travel and Meetings           | 1,089.34                          | 5,333.30                                    | 4,243.96                     | 79.6 %  |
| Permits and Fees                    |                                   |   |                              |         |
| Permits and Fees                    | 4,531.00                          | 3,500.00                                    | (1,031.00)                   | -29.5 % |
| TOTAL Permits and Fees              | 4,531.00                          | 3,500.00                                    | (1,031.00)                   | -29.5 % |
| Memberships and Subscriptions       |                                   |   |                              |         |
| Memberships and Subscriptions       | 2,391.50                          | 4,400.00                                    | 2,008.50                     | 45.6 %  |
| TOTAL Memberships and Subscriptions | 2,391.50                          | 4,400.00                                    | 2,008.50                     | 45.6 %  |
| Safety                              |                                   |   |                              |         |
| Safety                              | 36,802.27                         | 27,600.10                                   | (9,202.17)                   | -33.3 % |
| TOTAL Safety                        | 36,802.27                         | 27,600.10                                   | (9,202.17)                   | -33.3 % |
| Other Expenses                      |                                   |   |                              |         |
| Other Expense                       | 5,707.40                          | 0.00  | (5,707.40)                   |         |
| TOTAL Other Expenses                | 5,707.40                          | 0.00  | (5,707.40)                   |         |
| TOTAL Operating Expenses            | 1,121,490.69                      | 1,435,995.28                                | 314,504.59                   | 21.9 %  |
| ***** OPERATING INCOME (LOSS)       | (1,121,490.69)                    | (1,435,995.28)                              | 314,504.59                   | 21.9 %  |
|                                     | (1.101.400.60)                    | (1.425.005.28)                              | 214 504 50                   | 21.0.9/ |
| ***** NET INCOME (LOSS)             | (1,121,490.69)                    | (1,435,995.28)                              | 314,504.59                   | 21.9 %  |
| ***** NET INCOME (LOSS)             | (1,121,490.69)                    | (1,435,995.28)                              | 314,504.59                   | 21.9 %  |

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

|  | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var     |
|--|-----------------------------------|---|------------------------------|-----------|
| ****                                   | 0.00                              | 0.00  | 0.00                         |           |
| *****                                  |                                   |   | 0.00                         |           |
| ***** OPERATING INCOME                 | 0.00                              | 0.00  | 0.00                         |           |
| Operating Expenses                     |                                   |   |                              |           |
| Salaries and Payroll Taxes             |                                   | 510,000,04                                  |                              | <i>c</i>  |
| Salaries and Payroll Taxes             | 545,628.56                        | 513,023.94                                  | (32,604.62)                  | -6.4 %    |
| TOTAL Salaries and Payroll Taxes       | 545,628.56                        | 513,023.94                                  | (32,604.62)                  | -6.4 %    |
| Employee Benefits<br>Employee Benefits | 144,244.61                        | 169,430.06                                  | 25,185.45                    | 14.9 %    |
| TOTAL Employee Benefits                | 144,244.61                        | 169,430.06                                  | 25,185.45                    | 14.9 %    |
| Truck and Auto Expenses                |                                   |   | 20,20010                     | 1.115 / 0 |
| Truck and Auto Expenses                | 62,255.12                         | 40,258.40                                   | (21,996.72)                  | -54.6 %   |
| TOTAL Truck and Auto Expenses          | 62,255.12                         | 40,258.40                                   | (21,996.72)                  | -54.6 %   |
| General and Administrative             | ,                                 | )   |                              |           |
| General and Administrative             | 46,922.50                         | 79,166.70                                   | 32,244.20                    | 40.7 %    |
| TOTAL General and Administrative       | 46,922.50                         | 79,166.70                                   | 32,244.20                    | 40.7 %    |
| Office Expense                         |                                   |   |                              |           |
| Office Expense                         | 9,704.52                          | 7,833.30                                    | (1,871.22)                   | -23.9 %   |
| TOTAL Office Expense                   | 9,704.52                          | 7,833.30                                    | (1,871.22)                   | -23.9 %   |
| Operating Supplies                     | 21.164.04                         |   | 1 601 44                     | 4.6.04    |
| Operating Supplies                     | 31,164.94                         | 32,666.60                                   | 1,501.66                     | 4.6 %     |
| TOTAL Operating Supplies               | 31,164.94                         | 32,666.60                                   | 1,501.66                     | 4.6 %     |
| Contract Services<br>Contract Services | 142,483.34                        | 162,975.00                                  | 20,491.66                    | 12.6 %    |
| TOTAL Contract Services                | 142,483.34                        | 162,975.00                                  | 20,491.66                    | 12.6 %    |
| Repairs and Maintenance                |                                   |   |                              |           |
| Repairs and Maintenance                | 177,833.60                        | 370,583.40                                  | 192,749.80                   | 52.0 %    |
| TOTAL Repairs and Maintenance          | 177,833.60                        | 370,583.40                                  | 192,749.80                   | 52.0 %    |
| Utilities                              |                                   |   |                              |           |
| Utilities                              | 32,514.35                         | 38,583.30                                   | 6,068.95                     | 15.7 %    |
| TOTAL Utilities                        | 32,514.35                         | 38,583.30                                   | 6,068.95                     | 15.7 %    |
| Travel and Meetings                    |                                   |   |                              |           |
| Travel and Meetings                    | 4,526.30                          | 13,670.80                                   | 9,144.50                     | 66.9 %    |

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

|                                     | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var    |
|-------------------------------------|-----------------------------------|---|------------------------------|----------|
| TOTAL Travel and Meetings           | 4,526.30                          | 13,670.80                                   | 9,144.50                     | 66.9 %   |
| Permits and Fees                    |                                   |   |                              |          |
| Permits and Fees                    | 6,950.00                          | 6,150.00                                    | (800.00)                     | -13.0 %  |
| TOTAL Permits and Fees              | 6,950.00                          | 6,150.00                                    | (800.00)                     | -13.0 %  |
| Memberships and Subscriptions       | .,                                |   |                              |          |
| Memberships and Subscriptions       | 2,861.34                          | 3,666.70                                    | 805.36                       | 22.0 %   |
| TOTAL Memberships and Subscriptions | 2,861.34                          | 3,666.70                                    | 805.36                       | 22.0 %   |
| Safety                              |                                   |   |                              |          |
| Safety                              | 15,290.25                         | 12,841.70                                   | (2,448.55)                   | -19.1 %  |
| TOTAL Safety                        | 15,290.25                         | 12,841.70                                   | (2,448.55)                   | -19.1 %  |
| Other Expenses                      |                                   |   |                              |          |
| Other Expense                       | 843.40                            | 416.70                                      | (426.70)                     | -102.4 % |
| TOTAL Other Expenses                | 843.40                            | 416.70                                      | (426.70)                     | -102.4 % |
| TOTAL Operating Expenses            | 1,223,222.83                      | 1,451,266.60                                | 228,043.77                   | 15.7 %   |
| ***** OPERATING INCOME (LOSS)       | (1,223,222.83)                    | (1,451,266.60)                              | 228,043.77                   | 15.7 %   |
| ***** NET INCOME (LOSS)             | (1,223,222.83)                    | (1,451,266.60)                              | 228,043.77                   | 15.7 %   |
| ***** NET INCOME (LOSS)             | (1,223,222.83)                    | (1,451,266.60)                              | 228,043.77                   | 15.7 %   |

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

|   | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var            |
|---|-----------------------------------|---|------------------------------|------------------|
| ****  | 0.00                              | 0.00  | 0.00                         |                  |
| ***** OPERATING INCOME  | 0.00                              | 0.00  | 0.00                         |                  |
| Operating Expenses<br>Salaries and Payroll Taxes<br>Salaries and Payroll Taxes      | 970,737.44                        | 965,288.12                                  | (5,449.32)                   | -0.6 %           |
| TOTAL Salaries and Payroll Taxes<br>Employee Benefits                               | 970,737.44                        | 965,288.12                                  | (5,449.32)                   | -0.6 %           |
| Employee Benefits<br>TOTAL Employee Benefits  | <u> </u>                          | 369,795.60                                  | 172,791.55<br>172,791.55     | 46.7 %<br>46.7 % |
| Truck and Auto Expenses<br>Truck and Auto Expenses<br>TOTAL Truck and Auto Expenses | 1,667.52                          | 1,600.00                                    | (67.52)                      | -4.2 %<br>-4.2 % |
| General and Administrative<br>General and Administrative                            | 119,360.04                        | 383,666.70                                  | 264,306.66                   | 68.9 %           |
| TOTAL General and Administrative  | 119,360.04                        | 383,666.70                                  | 264,306.66                   | 68.9 %           |
| Office Expense<br>Office Expense<br>TOTAL Office Expense                            | 8,402.07                          | 21,916.60                                   | 13,514.53<br>13,514.53       | 61.7 %<br>61.7 % |
| Operating Supplies<br>Operating Supplies  | 287,718.34                        | 314,493.40                                  | 26,775.06                    | 8.5 %<br>8.5 %   |
| TOTAL Operating Supplies<br>Contract Services<br>Contract Services                  | 211,276.39                        | 323,666.60                                  | 26,775.06                    | 34.7 %           |
| TOTAL Contract Services   | 211,276.39                        | 323,666.60                                  | 112,390.21                   | 34.7 %           |
| Repairs and Maintenance<br>Repairs and Maintenance                                  | 17,594.89                         | 59,541.60                                   | 41,946.71                    | 70.4 %           |
| TOTAL Repairs and Maintenance<br>Utilities  | 17,594.89                         | 59,541.60                                   | 41,946.71                    | 70.4 %           |
| Utilities<br>TOTAL Utilities  | 251,065.24<br>251,065.24          | <u>322,499.90</u><br><u>322,499.90</u>      | 71,434.66<br>71,434.66       | 22.2 %<br>22.2 % |
| Travel and Meetings<br>Travel and Meetings  | 5,485.93                          | 12,858.30                                   | 7,372.37                     | 57.3 %           |

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

|                                     | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var   |
|-------------------------------------|-----------------------------------|---|------------------------------|---------|
| TOTAL Travel and Meetings           | 5,485.93                          | 12,858.30                                   | 7,372.37                     | 57.3 %  |
| Permits and Fees                    |                                   |   |                              |         |
| Permits and Fees                    | 23,733.00                         | 35,000.00                                   | 11,267.00                    | 32.2 %  |
| TOTAL Permits and Fees              | 23,733.00                         | 35,000.00                                   | 11,267.00                    | 32.2 %  |
| Memberships and Subscriptions       | 0.242.12                          | 5 (41 (0                                    | 2 202 47                     | 50 5 0/ |
| Memberships and Subscriptions       | 2,343.13                          | 5,641.60                                    | 3,298.47                     | 58.5 %  |
| TOTAL Memberships and Subscriptions | 2,343.13                          | 5,641.60                                    | 3,298.47                     | 58.5 %  |
| Safety<br>Safety                    | 185.00                            | 0.00  | (185.00)                     |         |
| TOTAL Safety                        | 185.00                            | 0.00  | (185.00)                     |         |
| Other Expenses                      |                                   |   |                              |         |
| Other Expense                       | 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            | 2,096,573.04                      | 2,817,635.12                                | 721,062.08                   | 25.6 %  |
| ***** OPERATING INCOME (LOSS)       | (2,096,573.04)                    | (2,817,635.12)                              | 721,062.08                   | 25.6 %  |
| ***** NET INCOME (LOSS)             | (2,096,573.04)                    | (2,817,635.12)                              | 721,062.08                   | 25.6 %  |
| ***** NET INCOME (LOSS)             | (2,096,573.04)                    | (2,817,635.12)                              | 721,062.08                   | 25.6 %  |

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

|  |            | April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var            |
|--|------------|--------------------------|------------------------------|------------------|
|  |            |                          |                              |                  |
| ****   | 0.00       | 0.00                     | 0.00                         |                  |
| ***** OPERATING INCOME                         | 0.00       | 0.00                     | 0.00                         |                  |
| Operating Expenses                             |            |                          |                              |                  |
| Salaries and Payroll Taxes                     |            | 51 6 100 40              |                              | 0.0.0/           |
| Salaries and Payroll Taxes                     | 557,638.17 | 516,139.48               | (41,498.69)                  | -8.0 %           |
| TOTAL Salaries and Payroll Taxes               | 557,638.17 | 516,139.48               | (41,498.69)                  | -8.0 %           |
| Employee Benefits<br>Employee Benefits         | 96,108.63  | 122,316.64               | 26,208.01                    | 21.4 %           |
| TOTAL Employee Benefits                        | 96,108.63  | 122,316.64               | 26,208.01                    | 21.4 %           |
| Director's Expenses                            |            |                          | 20,200.01                    | 21,170           |
| Director's Expenses                            | 17,521.64  | 27,550.00                | 10,028.36                    | 36.4 %           |
| TOTAL Director's Expenses                      | 17,521.64  | 27,550.00                | 10,028.36                    | 36.4 %           |
| Truck and Auto Expenses                        |            |                          |                              |                  |
| Truck and Auto Expenses                        | 461.14     | 2,124.20                 | 1,663.06                     | 78.3 %           |
| TOTAL Truck and Auto Expenses                  | 461.14     | 2,124.20                 | 1,663.06                     | 78.3 %           |
| General and Administrative                     |            |                          |                              |                  |
| General and Administrative                     | 84,667.55  | 121,863.30               | 37,195.75                    | 30.5 %           |
| TOTAL General and Administrative               | 84,667.55  | 121,863.30               | 37,195.75                    | 30.5 %           |
| Office Expense                                 |            |                          |                              |                  |
| Office Expense                                 | 20,879.18  | 14,466.70                | (6,412.48)                   | -44.3 %          |
| TOTAL Office Expense                           | 20,879.18  | 14,466.70                | (6,412.48)                   | -44.3 %          |
| Operating Supplies                             | 1 101 57   | 1 500 00                 | 200.42                       | 20 ( 1)          |
| Operating Supplies<br>TOTAL Operating Supplies | 1,191.57   | 1,500.00                 | 308.43                       | 20.6 %<br>20.6 % |
|  | 1,191.57   |                          | 508.45                       | 20.0 70          |
| Contract Services<br>Contract Services         | 77,809.49  | 92,769.20                | 14,959.71                    | 16.1 %           |
| TOTAL Contract Services                        | 77,809.49  | 92,769.20                | 14,959.71                    | 16.1 %           |
| Repairs and Maintenance                        |            |                          | ,                            | - 012 /0         |
| Repairs and Maintenance                        | 1,369.77   | 4,166.70                 | 2,796.93                     | 67.1 %           |
| TOTAL Repairs and Maintenance                  | 1,369.77   | 4,166.70                 | 2,796.93                     | 67.1 %           |
| Utilities                                      |            |                          |                              |                  |
| Utilities                                      | 20,241.40  | 19,223.40                | (1,018.00)                   | -5.3 %           |

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

|                                     | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var  |
|-------------------------------------|-----------------------------------|---|------------------------------|--------|
| TOTAL Utilities                     | 20,241.40                         | 19,223.40                                   | (1,018.00)                   | -5.3 % |
| Travel and Meetings                 |                                   | 3   |                              |        |
| Travel and Meetings                 | 4,238.31                          | 13,916.70                                   | 9,678.39                     | 69.5 % |
| TOTAL Travel and Meetings           | 4,238.31                          | 13,916.70                                   | 9,678.39                     | 69.5 % |
| Permits and Fees                    |                                   |   |                              |        |
| Permits and Fees                    | 19,218.00                         | 22,000.00                                   | 2,782.00                     | 12.6 % |
| TOTAL Permits and Fees              | 19,218.00                         | 22,000.00                                   | 2,782.00                     | 12.6 % |
| Memberships and Subscriptions       |                                   |   | 0                            |        |
| Memberships and Subscriptions       | 23,555.05                         | 24,125.00                                   | 569.95                       | 2.4 %  |
| TOTAL Memberships and Subscriptions | 23,555.05                         | 24,125.00                                   | 569.95                       | 2.4 %  |
| Safety                              |                                   |   |                              |        |
| Safety                              | 861.83                            | 1,450.00                                    | 588.17                       | 40.6 % |
| TOTAL Safety                        | 861.83                            | 1,450.00                                    | 588.17                       | 40.6 % |
| Other Expenses                      |                                   |   |                              |        |
| Other Expense                       | 38,249.07                         | 35,666.70                                   | (2,582.37)                   | -7.2 % |
| TOTAL Other Expenses                | 38,249.07                         | 35,666.70                                   | (2,582.37)                   | -7.2 % |
| TOTAL Operating Expenses            | 964,010.80                        | 1,019,278.02                                | 55,267.22                    | 5.4 %  |
| ***** OPERATING INCOME (LOSS)       | (964,010.80)                      | (1,019,278.02)                              | 55,267.22                    | 5.4 %  |
| ***** NET INCOME (LOSS)             | (964,010.80)                      | (1,019,278.02)                              | 55,267.22                    | 5.4 %  |
| ***** NET INCOME (LOSS)             | (964,010.80)                      | (1,019,278.02)                              | 55,267.22                    | 5.4 %  |

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

|  | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var    |
|--|-----------------------------------|---|------------------------------|----------|
|  |                                   |   |                              |          |
| ****   | 0.00                              | 0.00  | 0.00                         |          |
| ***** OPERATING INCOME                             | 0.00                              | 0.00  | 0.00                         |          |
| Operating Expenses<br>Salaries and Payroll Taxes   |                                   |   |                              |          |
| Salaries and Payroll Taxes                         | 529,095.76                        | 504,400.72                                  | (24,695.04)                  | -4.9 %   |
| TOTAL Salaries and Payroll Taxes                   | 529,095.76                        | 504,400.72                                  | (24,695.04)                  | -4.9 %   |
| Director's Expenses                                |                                   |   |                              |          |
| Director's Expenses                                | 700.00                            | 666.00                                      | (34.00)                      | -5.1 %   |
| TOTAL Director's Expenses                          | 700.00                            | 666.00                                      | (34.00)                      | -5.1 %   |
| General and Administrative                         |                                   |   |                              |          |
| General and Administrative                         | 21,949.70                         | 0.00  | (21,949.70)                  |          |
| TOTAL General and Administrative                   | 21,949.70                         | 0.00  | (21,949.70)                  |          |
| Office Expense<br>Office Expense                   | 23.79                             | 0.00  | (23.79)                      |          |
| TOTAL Office Expense                               | 23.79                             | 0.00  | (23.79)                      |          |
| Operating Supplies                                 |                                   |   |                              |          |
| Operating Supplies                                 | 702.64                            | 7,083.30                                    | 6,380.66                     | 90.1 %   |
| TOTAL Operating Supplies                           | 702.64                            | 7,083.30                                    | 6,380.66                     | 90.1 %   |
| Contract Services                                  | 0.65.44                           | 0.00  |                              |          |
| Contract Services                                  | 967.46                            | 0.00  | (967.46)                     |          |
| TOTAL Contract Services                            | 967.46                            | 0.00  | (967.46)                     |          |
| Repairs and Maintenance<br>Repairs and Maintenance | 5,783.35                          | 3,583.30                                    | (2,200.05)                   | -61.4 %  |
| ÷  | 5,783.35                          | 3,583.30                                    | (2,200.05)                   | -61.4 %  |
| TOTAL Repairs and Maintenance                      |                                   |   | (2,200.03)                   | -01.4 /0 |
| Utilities<br>Utilities                             | 43.66                             | 0.00  | (43.66)                      |          |
| TOTAL Utilities                                    | 43.66                             | 0.00  | (43.66)                      |          |
|  |                                   |   | (13.00)                      |          |
| Safety<br>Safety                                   | 373.74                            | 1,250.00                                    | 876.26                       | 70.1 %   |
| TOTAL Safety                                       | 373.74                            | 1,250.00                                    | 876.26                       | 70.1 %   |
| TOTAL Operating Expenses                           | 559,640.10                        | 516,983.32                                  | (42,656.78)                  | -8.3 %   |
| 101111 Operating Expenses                          |                                   |   | (12,030.70)                  | 0.2 70   |

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

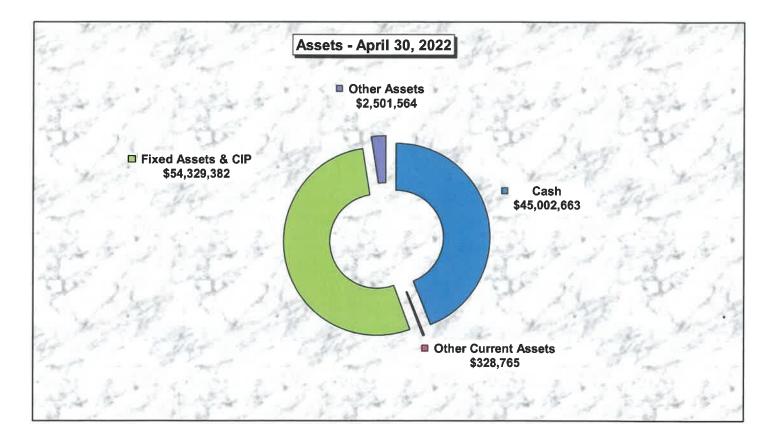
|                               | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var  |
|-------------------------------|-----------------------------------|---|------------------------------|--------|
| ***** OPERATING INCOME (LOSS) | (559,640.10)                      | (516,983.32)                                | (42,656.78)                  | -8.3 % |
| ***** NET INCOME (LOSS)       | (559,640.10)                      | (516,983.32)                                | (42,656.78)                  | -8.3 % |
| ***** NET INCOME (LOSS)       | (559,640.10)                      | (516,983.32)                                | (42,656.78)                  | -8.3 % |

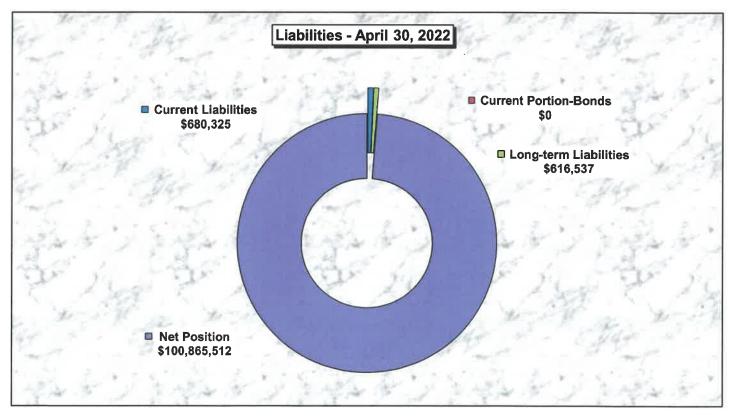
# Carmel Area Wastewater District Budgeted Income Stmt.-Waste to Energy Year-to-Date Variance, April 2022 - current month, Consolidated by account, Department 9

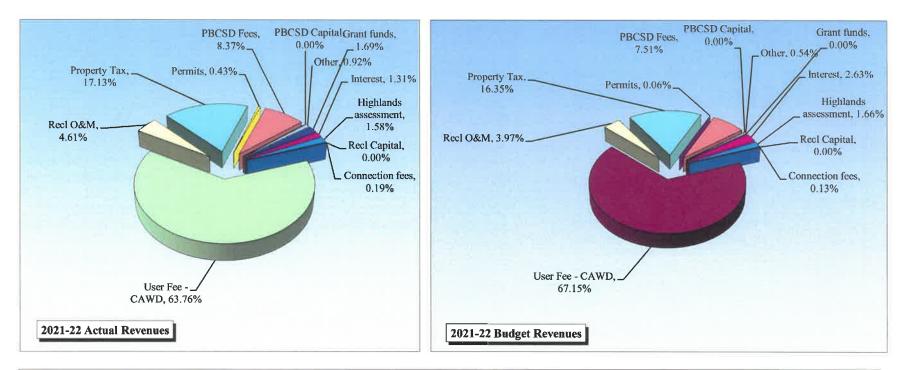
|  | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var   |
|--|-----------------------------------|---|------------------------------|---------|
| Income   |                                   |   |                              |         |
| Revenue  | 2,211.20                          | 4,166.70                                    | (1,955.50)                   | -46.9 % |
| TOTAL Income                                     | 2,211.20                          | 4,166.70                                    | (1,955.50)                   | -46.9 % |
| *****  | 2,211.20                          | 4,166.70                                    | (1,955.50)                   | -46.9 % |
| ***** OPERATING INCOME                           | 2,211.20                          | 4,166.70                                    | (1,955.50)                   | -46.9 % |
| Operating Expenses<br>Salaries and Payroll Taxes |                                   |   |                              |         |
| Salaries and Payroll Taxes                       | 1,089.60                          | 897.50                                      | (192.10)                     | -21.4 % |
| TOTAL Salaries and Payroll Taxes                 | 1,089.60                          | 897.50                                      | (192.10)                     | -21.4 % |
| Operating Supplies                               |                                   |   |                              |         |
| Operating Supplies                               | 0.00                              | 4,166.70                                    | 4,166.70                     | 100.0 % |
| TOTAL Operating Supplies                         | 0.00                              | 4,166.70                                    | 4,166.70                     | 100.0 % |
| Repairs and Maintenance                          | 840.00                            | 0.500.00                                    | 1 ((0.00                     |         |
| Repairs and Maintenance                          | 840.00                            | 2,500.00                                    | 1,660.00                     | 66.4 %  |
| TOTAL Repairs and Maintenance                    | 840.00                            | 2,500.00                                    | 1,660.00                     | 66.4 %  |
| Permits and Fees Permits and Fees                | 0.00                              | 7,200.00                                    | 7,200.00                     | 100.0 % |
| TOTAL Permits and Fees                           | 0.00                              | 7,200.00                                    | 7,200.00                     | 100.0 % |
| TOTAL Operating Expenses                         | 1,929.60                          | 14,764.20                                   | 12,834.60                    | 86.9 %  |
| ***** OPERATING INCOME (LOSS)                    | 281.60                            | (10,597.50)                                 | 10,879.10                    | 102.7 % |
| ***** NET INCOME (LOSS)                          | 281.60                            | (10,597.50)                                 | 10,879.10                    | 102.7 % |
| ***** NET INCOME (LOSS)                          | 281.60                            | (10,597.50)                                 | 10,879.10                    | 102.7 % |

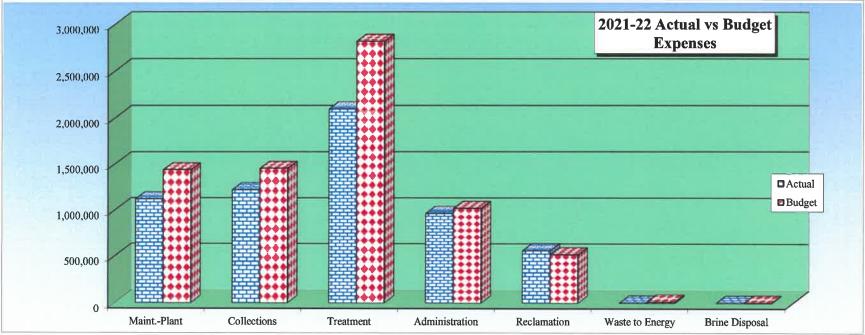
# Carmel Area Wastewater District Budgeted Income Stmt.-Brine Disposal Year-to-Date Variance, April 2022 - current month, Consolidated by account, Department 10

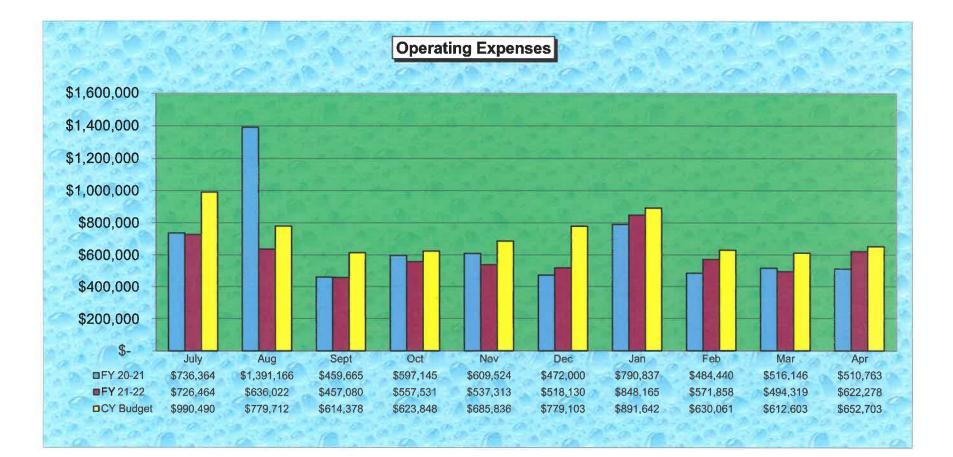
|  | 10 Months Ended<br>April 30, 2022 | 10 Months Ended<br>April 30, 2022<br>Budget | Variance<br>Fav/ <unf></unf> | % Var   |
|--|-----------------------------------|---|------------------------------|---------|
| Income   |                                   |   |                              |         |
| Revenue  | 85,025.13                         | 65,833.30                                   | 19,191.83                    | 29.2 %  |
| TOTAL Income                                     | 85,025.13                         | 65,833.30                                   | 19,191.83                    | 29.2 %  |
| ****   | 85,025.13                         | 65,833.30                                   | 19,191.83                    | 29.2 %  |
| ***** OPERATING INCOME                           | 85,025.13                         | 65,833.30                                   | 19,191.83                    | 29.2 %  |
| Operating Expenses<br>Salaries and Payroll Taxes |                                   |   |                              |         |
| Salaries and Payroll Taxes                       | 1,379.86                          | 1,345.80                                    | (34.06)                      | -2.5 %  |
| TOTAL Salaries and Payroll Taxes                 | 1,379.86                          | 1,345.80                                    | (34.06)                      | -2.5 %  |
| Office Expense                                   |                                   |   |                              |         |
| Office Expense                                   | 0.00                              | 20.80                                       | 20.80                        | 100.0 % |
| TOTAL Office Expense                             | 0.00                              | 20.80                                       | 20.80                        | 100.0 % |
| Operating Supplies                               |                                   |   |                              |         |
| Operating Supplies                               | 0.00                              | 1,000.00                                    | 1,000.00                     | 100.0 % |
| TOTAL Operating Supplies                         | 0.00                              | 1,000.00                                    | 1,000.00                     | 100.0 % |
| Repairs and Maintenance                          |                                   |   |                              |         |
| Repairs and Maintenance                          | 914.77                            | 2,083.40                                    | 1,168.63                     | 56.1 %  |
| TOTAL Repairs and Maintenance                    | 914.77                            | 2,083.40                                    | 1,168.63                     | 56.1 %  |
| TOTAL Operating Expenses                         | 2,294.63                          | 4,450.00                                    | 2,155.37                     | 48.4 %  |
| ***** OPERATING INCOME (LOSS)                    | 82,730.50                         | 61,383.30                                   | 21,347.20                    | 34.8 %  |
| ****** NET INCOME (LOSS)                         | 82,730.50                         | 61,383.30                                   | 21,347.20                    | 34.8 %  |
| ***** NET INCOME (LOSS)                          | 82,730.50                         | 61,383.30                                   | 21,347.20                    | 34.8 %  |











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

|                                   |       |     | CURRENT CU | MULATIVE | ANNUAL | BUDGET  |
|-----------------------------------|-------|-----|------------|----------|--------|---------|
| BEGI                              | BAL A | PR  | YTD        | TOTAL    | BUDGET | SPENT   |
|                                   |       |     |            |          |        |         |
| <u>CAPITAL PURCHASES</u>          |       |     |            |          |        |         |
| Admin                             |       |     |            |          |        |         |
|                                   |       | 0   | 0          | 0        | 0      | NA      |
|                                   |       | 0   | 0          | 0        | 0      | NA      |
| Collections                       |       |     |            |          |        |         |
| Dougherty Place sewer replacement |       | 0   | 87,412     | 87,412   | 0      | NA      |
| Various sewer line replacements   | 42,3  | 325 | 42,325     | 42,325   | 0      | NA      |
| Treatment                         |       |     |            |          |        |         |
|                                   |       | 0   | 0          | 0        | 0      | NA      |
|                                   |       | 0   | 0          | 0        | 0      | NA      |
| RECL share                        | 0     | 0   | 0          | 0        | 0      | NA      |
| PBCSD share (1/3 of cost)         | 0     | 0   | 0          | 0        | 0      | NA      |
| Total Capital Purchases 21-22     | 42,3  | 325 | 129,738    | 129,738  | 0      | #DIV/0! |

# Carmel Area Wastewater District Capital Expenditures

|   | n | • | 1 | 22  |
|---|---|---|---|-----|
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|   |         |        | CURRENT C | UMULATIVE | ANNUAL    | BUDGET |
|---|---------|--------|-----------|-----------|-----------|--------|
|   | BEG BAL | APR    | YTD       | TOTAL     | BUDGET    | SPENT  |
| CIP PROJECTS  |         |        |           |           |           |        |
| Administration  |         |        |           |           |           |        |
| Collections   |         |        |           |           |           |        |
| Construction of new Gravity Sewer Line-Carmel Meadows | 364,551 | 180    | 101,392   | 465,943   | 150,000   | 67.59% |
| Upper Rancho Canada Pipe Relocation                   | 188,587 | 4,330  | 1,575,248 | 1,763,836 | 1,760,000 | 89.50% |
| Carmel Valley Manor Sewer-unbudgeted                  | 180     | 0      | 0         | 180       | 0         | NA     |
| Scenic Rd Pipe Burst-Ocn/Bay                          | 80,276  | 15,542 | 106,947   | 187,223   | 1,200,000 | 8.91%  |
| Bay/Scenic Pump Station Rehab                         | 6,727   | 0      | 24,165    | 30,892    | 250,000   | 9.67%  |
| Pescadero Creek Area Pipe Rehab                       | 0       | 11,768 | 83,483    | 83,483    | 450,000   | 18.55% |
| Treatment   |         |        |           |           |           |        |
| RECL share  | 0       | 0      | 0         | 0         | 0         | NA     |
| PBCSD share (1/3 of cost)                             | 0       | 0      | 0         | 0         | 0         | NA     |
| Total CIP Projects 21-22                              | 640,321 | 31,820 | 1,891,236 | 2,531,557 | 3,810,000 | 49.64% |

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

|   |           |          | CURRENT C | UMULATIVE   | ANNUAL      | BUDGET |
|---|-----------|----------|-----------|-------------|-------------|--------|
|   | BEG BAL   | APR      | YTD       | TOTAL       | BUDGET      | SPENT  |
| LONG TERM CIP PROJECTS                                  |           |          |           |             |             |        |
| Treatment   |           |          |           |             |             |        |
| Microturbine/Gas Conditioning System                    | 55,115    | 26,640   | 26,640    | 81,754      | 150,000     | 17.76% |
| Elec/Mech Rehab & Sludge Holding Tank Project (RECL 4%) | 896,671   | 233,202  | 2,933,333 | 3,830,004   | 5,000,000   | 58.67% |
| WWTP Perimeter Tree Planting                            | 2,897     | 0        | 2,123     | 5,020       | 60,000      | 3.54%  |
| Critical Process Flood Adaptations (RECL 30%)           | 21,788    | 0        | 0         | 21,788      | 50,000      | NA     |
| Aeration Basin Improvements                             | 9,030     | 0        | 8,302     | 17,332      | 0           | NA     |
| Ops Building Basement Bathroom                          | 8,245     | 0        | 10,505    | 18,749      | 0           | NA     |
| RECL share  | (39,135)  | (9,328)  | (117,334) | (156,469)   | (200,000)   | 58.67% |
| PBCSD share (1/3 of cost)                               | (318,204) | (83,504) | (954,522) | (1,272,726) | (1,686,667) | 56.59% |
| Total Long Term CIP Projects 21-22                      | 636,407   | 167,009  | 1,909,045 | 2,545,452   | 3,373,333   | 56.59% |
| Total Capital (net of RECL and PBCSD)                   | 1,276,728 | 241,154  | 3,930,018 | 5,206,746   | 7,183,333   | 54.71% |

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

YTD Actual/ YTD Budget Variance

|                            | Variance |   |
|----------------------------|----------|---|
| Maintenance - Plant        |          |   |
| Office Expense             | -104.30% | Office supplies underbudgeted. Furniture and fixtures unbudgeted. Small dollar amounts.             |
| Permits and Fees           | -29.50%  | Mo. Bay Air Resources District permits underbudgeted. Small dollar amounts.                         |
| Safety                     | -33.30%  | Supplies, boots and gear underbudgeted.   |
| Collections                |          |   |
| Salaries and Payroll Taxes | -6.40%   | Slightly underbudgeted.   |
| Truck and Auto Expenses    | -54.60%  | Diesel, repair parts and vehicle accessories underbudgeted.   |
| Office Expense             | -23.90%  | Computers and equipment underbudgeted.  |
| Permits and Fees           | -13.00%  | Slightly underbudgeted. Small dollar amounts.   |
| Safety                     | -19.10%  | Supplies and training underbudgeted. Small dollar amounts.  |
| Other Expense              | -102.40% | Recruiting unbudgeted. Small dollar amounts.  |
| Administration             |          |   |
| Salaries and Payroll Taxes | -8.00%   | Slightly underbudgeted.   |
| Office Expense             | -44.30%  | District codifications unbudgeted. Furnishings and supplies underbudgeted.<br>Small dollar amounts. |
| Utilities                  | -5.30%   | Natural gas underbudgeted. Small dollar amounts.  |
| Other Expense              | -7.20%   | Rate payer claims unbudgeted. Small dollar amounts.   |
| Waste to Energy            |          |   |
| Salaries and Payroll Taxes | -21.40%  | Timing of salaries. Small dollar amounts.   |
|                            |          |   |

#### **District Obligations:**

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

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

|               |                  |    |          |           | Spent   |
|---------------|------------------|----|----------|-----------|---------|
| Resolution #  | Description      | 1  | Budgeted | Amendment | To Date |
|               |                  | \$ | - \$     | - \$      | -       |
| No hudget ame | andments to date |    |          |           |         |

No budget amendments to date.

Total To Date

\$ - \$ - \$ -

# **STAFF REPORT**

| TO:         | Board of Directors                           | A A A A A A A A A A A A A A A A A A A |
|-------------|--|---------------------------------------|
| FROM:       | Daryl Lauer, Collection Superintendent       | PRIMER                                |
| DATE:       | May 26, 2022                                 | S/NCE 1908                            |
| SUBJECT:    | Monthly Report – April                       |                                       |
| RECOMME     | INDATION                                     |                                       |
| Receive Rep | ort- Informational only; no action required. |                                       |
|             |  |                                       |

#### **Permits Issued**

| Sewer Later | al Permits issued in April | <br>26         |
|-------------|----------------------------|----------------|
| Total Fees  |                            | <br>\$3,840.00 |

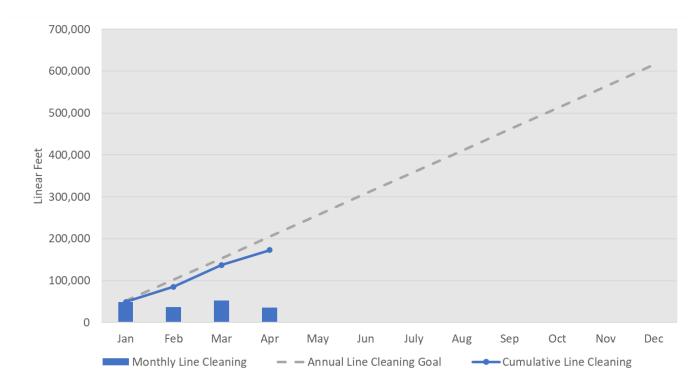
#### Maintenance

Attached is a map of the areas cleaned and Closed-Circuit Television (CCTV) inspected in the past three months. There were 35,310 feet of sewer lines cleaned, 3,743 feet of CCTV inspections and no manhole inspections were performed during the month of April.

### **Recent Line Cleaning Summary**

| Cleaning period | Footage    | Percentage Cleaned | Size of Pipe Cleaned |
|-----------------|------------|--------------------|----------------------|
|                 | Cleaned    |                    |                      |
| April           | 35,310 ft. | 8.59%              | 6 – 15 inches        |
| March           | 52,215 ft. | 12.70%             | 6 – 27 inches        |
| February        | 36,470 ft. | 8.87%              | 6 – 12 inches        |

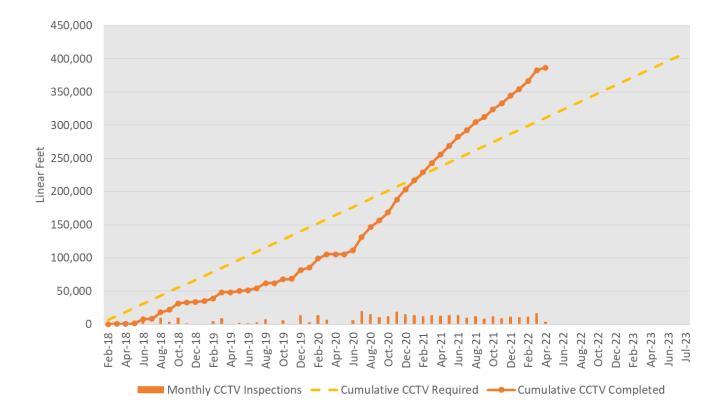




## Annual Line Cleaning Graph

# Line Cleaning Table

| Total Target Amount | Cumulative Complete | Remaining (Linear Feet) |
|---------------------|---------------------|-------------------------|
| (Linear Feet)       | (Linear Feet)       |                         |
| 615,000             | 172,706             | 442,294                 |



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

## CCTV Table

| Total Required<br>amount (Linear Feet) | Cumulative Complete<br>(Linear Feet) | <b>Remaining (Linear Feet)</b> |
|--|--------------------------------------|--------------------------------|
| 408,672                                | 386,622                              | 22,050                         |



#### Manhole Inspection Progress Graph (Riverwatch Settlement Agreement Target)

#### Manhole Inspection Table

| Total Required Amount | Actual Complete | Remaining  |
|-----------------------|-----------------|------------|
| (Manholes)            | (Manholes)      | (Manholes) |
| 1428                  | 1353            | 75         |

#### **Construction Activities**

• N/A

#### Staff Development

- Staff completed several in-person tail gate trainings.
- Daryl Lauer & Barry Blevins attended the California Water Environment Association Annual Conference in Sacramento in April.

#### **General Comments**

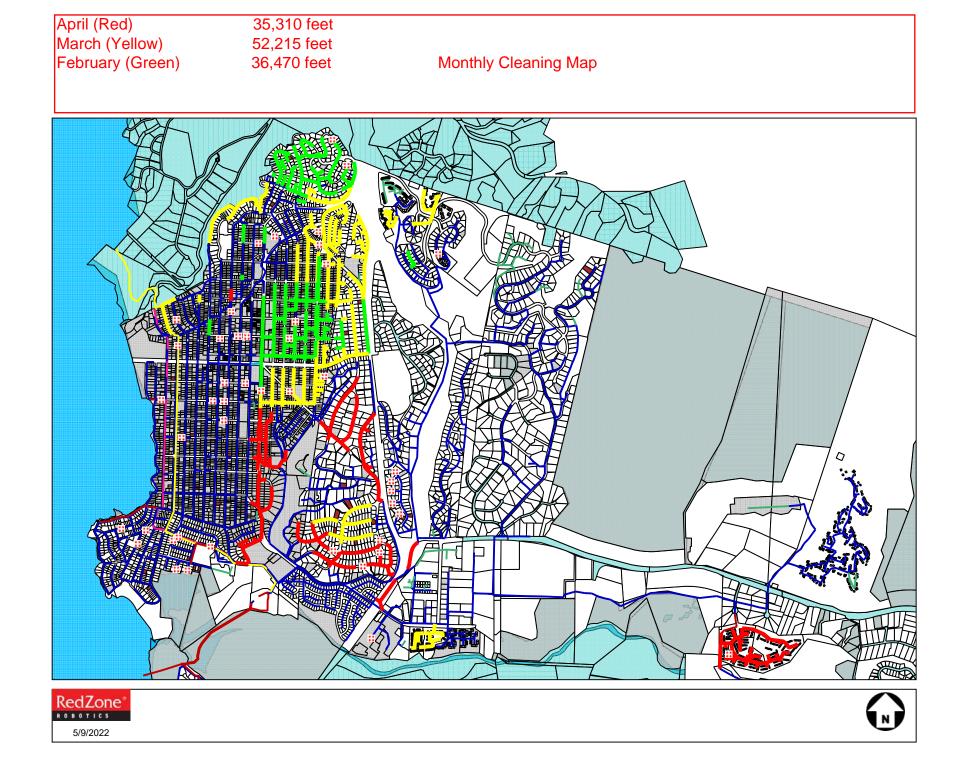
• N/A

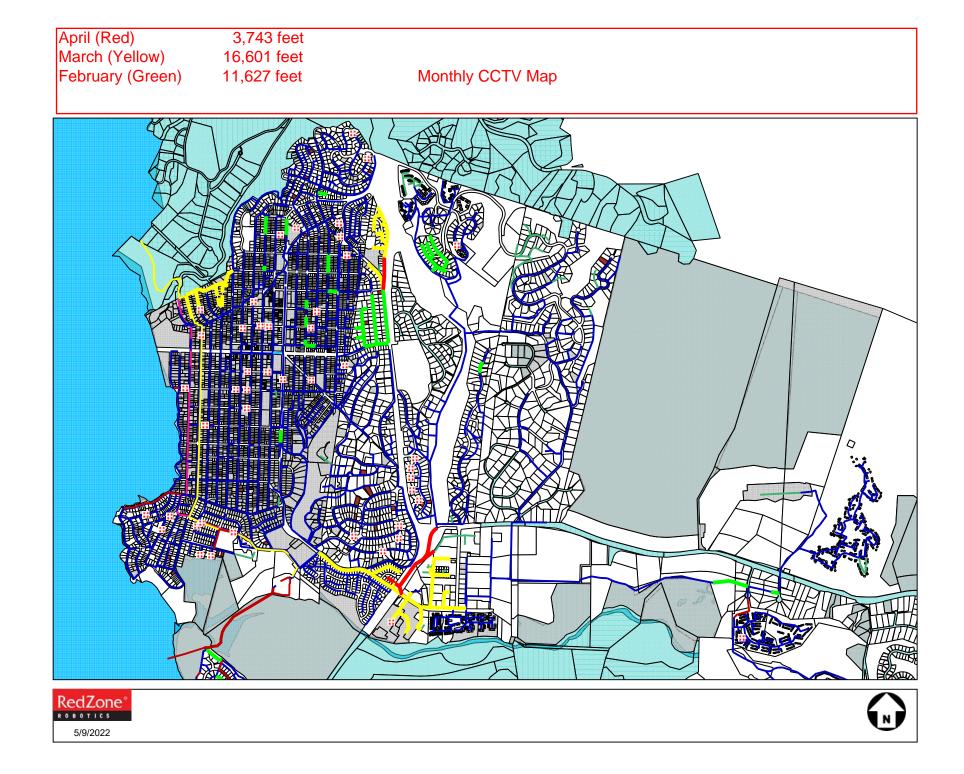
#### Service Calls Responded to by Crew

| Date      | Time    | Callout   | Resolution                                    |
|-----------|---------|-----------|---|
| 4/17/2022 | 4:50 PM | Pump Fail | Called to 8 <sup>th</sup> & Scenic for a pump |
|           |         |           | fail. Staff disabled the pump and             |
|           |         |           | took it out of rotation till the next         |
|           |         |           | day. Staff found rags had clogged             |
|           |         |           | the impeller. Staff cleared the               |
|           |         |           | impeller and put the pump back in             |
|           |         |           | service.                                      |
| 4/26/2022 | 3:55 PM | Pump Fail | Called to Hacienda for a pump fail.           |
|           |         |           | Staff disabled the pump and took it           |
|           |         |           | out of rotation till the next day. Staff      |
|           |         |           | found rags had clogged the impeller.          |
|           |         |           | Staff cleared the impeller and put the        |
|           |         |           | pump back in service.                         |

USA Location Requests – 128 Plumbing permit inspections – 23 Private Sewer Lateral Compliance Certificates Issued – 20

**FUNDING** N/A





# STAFF REPORT

To: Board of Directors

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

Date: May 26, 2022

Subject: Monthly Safety Report (for April 2022)

#### RECOMMENDATION

Receive Report- Informational only; no action required

#### DISCUSSION

#### Safety & Training

- April 6- Heat Illness Prevention Program Training. With a spring heatwave expected the following day, S/C Admin Dias presented and trained staff on the Heat Illness Prevention Program. The program was updated in November. Heavy emphasis was placed on the fact that there is an acclimatization period of several days for workers bodies to adjust to heat stress and each person acclimatizes differently. Staff was trained on the different types of heat illness symptoms and if they are experiencing any heat illness symptoms, they should take a break and inform their supervisor accordingly. This will become a recurring (annual) training each spring or early summer.
- April 13- Safety Culture (Thinking of the Next Person). Mark Napier, Collections Worker II, gave a presentation on ways to think about the next person who will be using an area; especially when temporarily storing deliveries and larger equipment indoors. Examples were given about how to thoughtfully place items to help the next person using the space. These included: keeping walkways clear; placing items where they could easily be accessed for relocation to its final location; and not blocking access to other equipment.



- April 30- Cell phone distractions. Ray DeOcampo, Lab Supervisor, gave a presentation called, "Distracted While Walking" which emphasized how the use of cell phones causes people to lose situational awareness. This can lead to workers walking into objects, being struck by moving equipment and tripping over objects.
- April 27- Stairway Safety. S/C Admin Dias gave a presentation on twelve tips to prevent injures while using stairways. It was emphasized that on the plant walkways and stairways can change on a daily or even hourly basis. Staff cannot assume that a stairway will be the same as the last time it was used. Changes occur with the weather or because cords, hoses and equipment were put into use for a project.

#### **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 Formalized Monthly Housekeeping Inspections. In February a worker was injured when a pile of pipes shifted and rolled onto his leg. A physical solution was installed on the pipe rack to prevent a reoccurrence. As part of general safety checks, S/C Admin Dias walks the site at least once a day to look for hazards or unsafe practices. However, it was decided to formalize a monthly housekeeping inspection checklist so these types of inspections could be documented. The checklist includes proper storage (overhead, tipping, shifting), but was expanded to also include accumulation of combustible materials and trip hazards.
- **Removal of expired epoxies.** As part of projects in the 2010-decade, various epoxies were purchased to coat piping and surfaces. The unused epoxies were being stored in a metal Conex container. As part of the relocation of oils, paints and coatings into the old chlorine storage room last year, the epoxies were determined to be well past their expiration dates (7 to 10 years past). In addition, the heating and cooling extremes in the metal Conex exceeded the manufacturer's storage temperature criteria. The Monterey Regional Waste Management District takes up to 225 lbs. of materials per month at a nominal cost of \$1 per pound. This was determined to be much less expensive than disposal via a hazardous materials disposal company. The last load of epoxies was taken in April. Any newly procured epoxies and paints are now stored indoors to avoid temperature extremes to extend their shelf-life.

## Tours and Outreach

• **Tours**. Tours remain on temporary hold while several areas of the plant are being impacted by Phase II construction activities. Carmel High requested a tour and because a meaningful tour could not be safely given, S/C Admin Dias will be giving four classroom presentations at the school in May.

#### Injuries; First Aid Incidents; Workers Compensation Claims

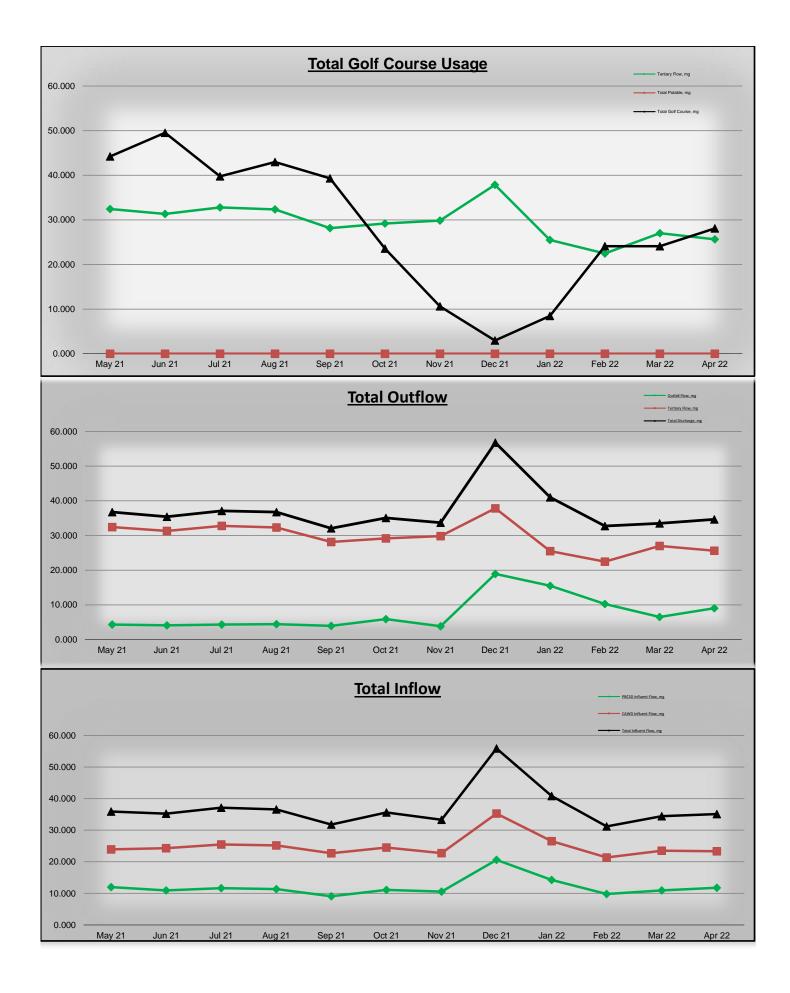
There were no first aid injuries or Workers' Compensation cases in April. The employee with the foot injury (as reported in February's report) remained on restricted duty for the entire month (21 working days). The tracking matrix below reflects data through April 30.

|                         | Work                        | Work Related Injuries and Illnesses for 2022 Calendar Year |  |  |                                   |  |  |  |  |  |  |  |
|-------------------------|-----------------------------|--|--|--|-----------------------------------|--|--|--|--|--|--|--|
| ТҮРЕ                    | New<br>Incidents<br>(Month) | Total<br>Incidents<br>(Year)                               | Total Days Away<br>from Work<br>(Year) | Total Days of Job<br>Restriction<br>(Year) | Cumulative days<br>lost<br>(Year) |  |  |  |  |  |  |  |
| OSHA<br>Injuries        | 0                           | 1  | 1                                      | 59   | 1                                 |  |  |  |  |  |  |  |
| OSHA<br>Illnesses       | 0                           | 0  | 0                                      | 0  | 0                                 |  |  |  |  |  |  |  |
| Other WC<br>Claims      | 0                           | 0  | 0                                      | 0  | 0                                 |  |  |  |  |  |  |  |
| First Aid<br>(non-OSHA) | 0                           | 0  | 0                                      | 0  | 0                                 |  |  |  |  |  |  |  |

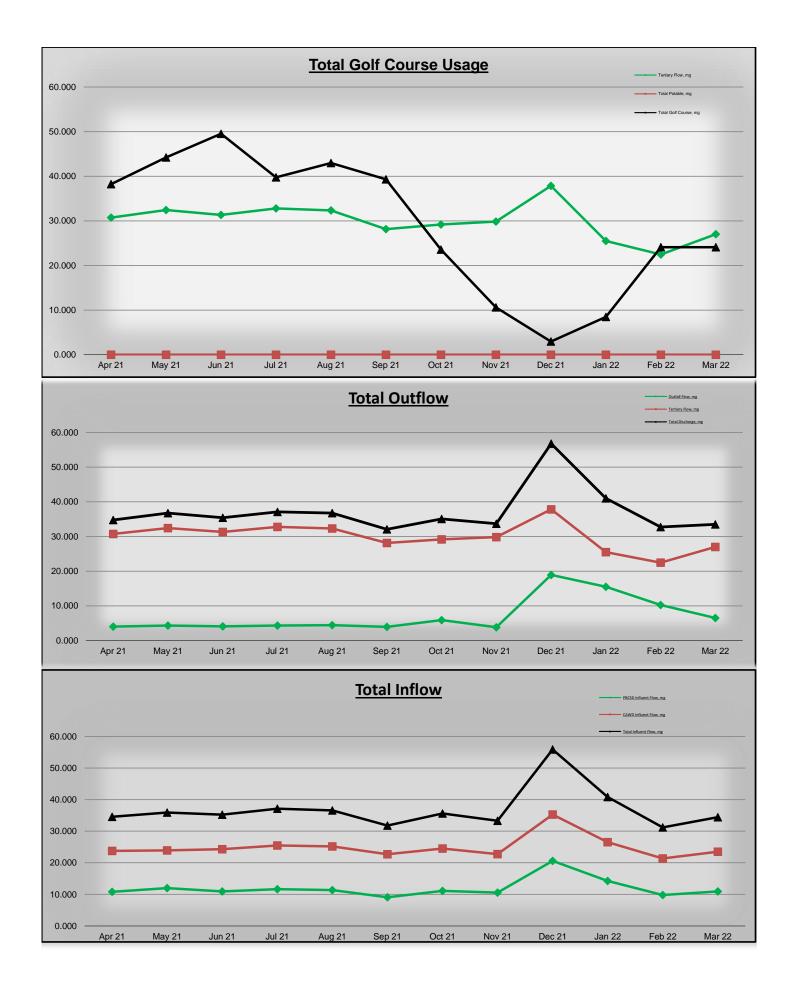
#### FUNDING

N/A- Informational item only

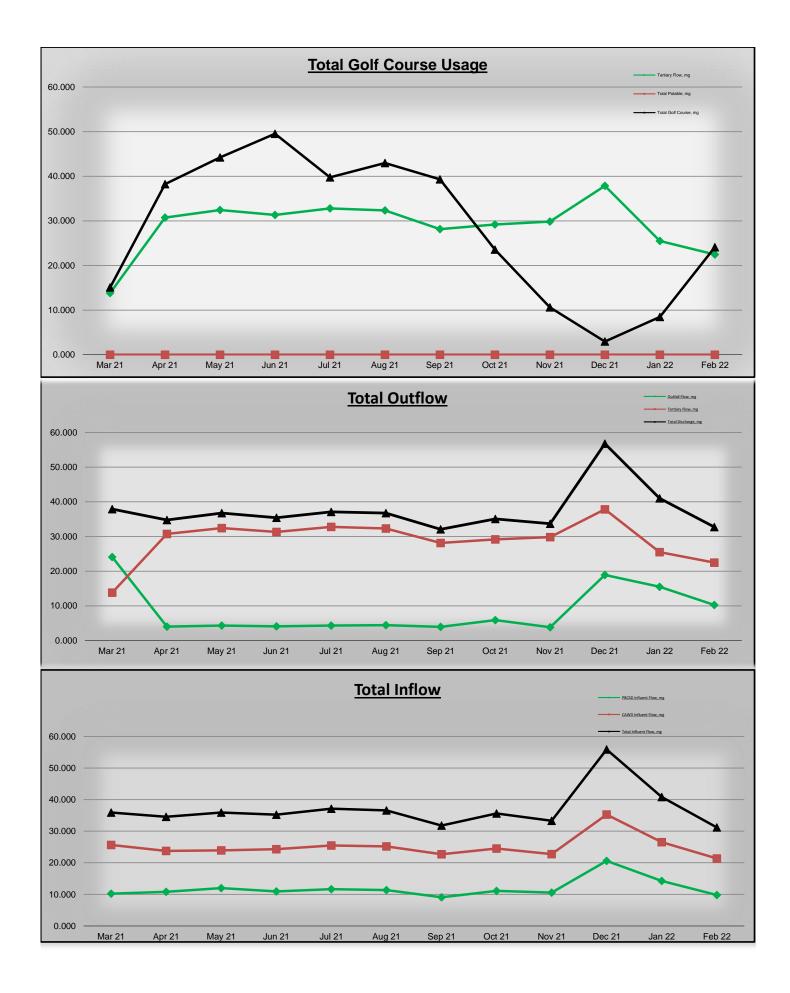
|                                |                         | HYDR               |                              | DINGS             |                     | 2022               | 2 YEAR-TO-E | DATE     |  |  |
|--------------------------------|-------------------------|--------------------|------------------------------|-------------------|---------------------|--------------------|-------------|----------|--|--|
| Report for:<br>April 2022      | Total<br>Monthly,<br>MG | Avg. Daily,<br>MGD | Min Daily,<br>MGD            | Max Daily,<br>MGD | % of Total          | MG                 | acre        | -feet    |  |  |
| CAWD Flow                      | 23.329                  | 0.740              | 0.751                        | 0.883             | 66.462              | 94.72              | 290         | 0.56     |  |  |
| PBCSD Flow                     | 11.772                  | 0.392              | 0.301                        | 0.556             | 33.538              | 46.81              | 143         | 3.57     |  |  |
| <b>Total Plant Flow</b>        | 35.101                  | 1.132              | 1.052                        | 1.439             | 100.00              | 141.53             | 434         | 4.14     |  |  |
| <b>Tertiary Flow</b>           | 25.631                  | 0.915              | 0.000                        | 1.099             | 73.021              | 100.60             | 308         | 8.58     |  |  |
| Ocean Discharge                | 9.026                   | 0.301              | 0.112                        | 1.124             | 25.714              | 41.08              | 120         | 5.00     |  |  |
| Potable Water                  | 0.000                   | 0.000              | 0.000                        | 0.000             | 0.000               | 0.000              | 0.0         | 000      |  |  |
|                                |                         | •                  | TERTIARY PF                  | ROCESS HIST       | ORY                 |                    |             |          |  |  |
| otal Annual Reclamat           | ion Production          | (2022)             |                              |                   | 100.60MG (30        | 08.58acre-ft.)     |             |          |  |  |
| otal Lifetime Reclama          | n (94-22)               |                    |                              | 9.00 BG (27.6     | 61 K acre-ft.)      |                    |             |          |  |  |
| 12 Month Rolling Total         | Reclamation F           | Production         | 354.53 MG (1088.05 acre-ft.) |                   |                     |                    |             |          |  |  |
|                                |                         |                    | ELECTR                       | ICAL COSTS        |                     |                    |             |          |  |  |
| Monthly Totals                 | Apr'22 kWh              | Price per kWh      | Apr'22                       | Mar'22            | Feb                 | 22                 | Jar         | า'22     |  |  |
| Secondary                      | 122,940.00              | \$ 0.184           | \$ 22,586.54                 | \$ 17,535.45      | \$                  | 15,984.77          | \$          | 11,880.6 |  |  |
| Blowers                        | 52,128.96               | \$ 0.192           | \$ 10,018.75                 | \$ 9,692.95       | \$                  | 6,357.66           | \$          | 9,456.6  |  |  |
| CAWD Total                     | 175,068.96              |                    | \$ 32,605.29                 | \$ 27,228.40      | \$                  | 22,342.43          | \$ 21,33    |          |  |  |
| Tertiary                       | 77,094.24               | \$ 0.203           | \$ 15,648.90                 | \$ 16,666.66      | \$                  | 14,522.02          | \$ 16,423.5 |          |  |  |
| MF/RO                          | 83,588.00               | \$ 0.220           | \$ 18,367.65                 | \$ 19,014.22      | \$                  | 19,657.48          | \$          | 17,709.5 |  |  |
| Reclaim Total                  | 160,682.24              |                    | \$ 34,016.55                 | \$ 35,680.88      | \$                  | 34,179.50          | \$          | 34,133.3 |  |  |
| Adjusted Monthly<br>Totals (1) | CAWD Total              | \$                 | 20,034.57                    | R                 | eclamation Tot      | al                 | \$          | 46,587.2 |  |  |
|                                |                         |                    | kW-h Pe                      | er Acre Foot      |                     |                    |             |          |  |  |
|                                |                         |                    | 21                           |                   |                     |                    | 22          |          |  |  |
|                                | 1 QTR                   | 2 QTR              | 3 QTR                        | 4 QTR             | 1 QTR               | 2 QTR              | 3 QTR       | 4 QTR    |  |  |
| CAWD                           | 1453.87                 | 1327.64            | 1298.73                      | 1681.53           | 1409.48             | N/A                | N/A         | N/A      |  |  |
| Reclamation                    | 1984.84                 | 1939.79            | 1682.65                      | 1887.92           | 2190.20             | N/A                | N/A         | N/A      |  |  |
|                                | -                       |                    |                              |                   |                     |                    |             |          |  |  |
| Month                          | Apr '22 kV              |                    |                              |                   | Jan '22             | Accumulated Totals |             |          |  |  |
| Production,kW-h (2)            | 0                       | 24                 | 427 22,                      | 570               | 18,128 1,225,671.00 |                    |             |          |  |  |



|                                |                                 | HYDR               |                              | DINGS             |                | 2022          | 2 YEAR-TO-D                  | DATE     |  |  |
|--------------------------------|---------------------------------|--------------------|------------------------------|-------------------|----------------|---------------|------------------------------|----------|--|--|
| Report for:<br>March 2022      | Total<br>Monthly,<br>MG         | Avg. Daily,<br>MGD | Min Daily,<br>MGD            | Max Daily,<br>MGD | % of Total     | MG            | acre                         | -feet    |  |  |
| CAWD Flow                      | 23.496                          | 0.758              | 0.681                        | 0.893             | 68.243         | 71.40         | 219                          | 9.00     |  |  |
| PBCSD Flow                     | 10.934                          | 0.353              | 0.295                        | 0.424             | 31.757         | 35.03         | 10                           | 7.46     |  |  |
| <b>Total Plant Flow</b>        | 34.430                          | 1.111              | 0.976                        | 1.317             | 100.00         | 106.43        | 320                          | 5.47     |  |  |
| <b>Tertiary Flow</b>           | 27.006                          | 0.965              | 0.333                        | 1.198             | 78.437         | 74.97         | 229                          | 9.96     |  |  |
| Ocean Discharge                | 6.519                           | 0.210              | 0.108                        | 0.960             | 18.934         | 32.05         | 98                           | .31      |  |  |
| Potable Water                  | 0.000                           | 0.000              | 0.000                        | 0.000             | 0.000          | 0.000         | 0.0                          | 000      |  |  |
|                                |                                 | •                  | TERTIARY PF                  |                   | ORY            |               |                              |          |  |  |
| otal Annual Reclamat           | ion Production                  | (2022)             |                              |                   | 74.97MG (22    | 9.96acre-ft.) |                              |          |  |  |
| otal Lifetime Reclama          |                                 |                    | 8.97 BG (27.5                | 53 K acre-ft.)    |                |               |                              |          |  |  |
| 12 Month Rolling Total         | Reclamation F                   | Production         | 359.65 MG (1103.76 acre-ft.) |                   |                |               |                              |          |  |  |
|                                |                                 |                    | ELECTR                       | ICAL COSTS        |                |               |                              |          |  |  |
| Monthly Totals                 | Mar'22 kWh                      | Price per kWh      | Mar'22                       | Feb'22            | Jan'22         |               | De                           | c'21     |  |  |
| Secondary                      | 89,062.00                       | \$ 0.197           | \$ 17,535.45                 | \$ 15,984.77      | \$             | 11,880.60     | \$                           | 16,980.5 |  |  |
| Blowers                        | 54,171.04                       | \$ 0.179           | \$ 9,692.95                  | \$ 6,357.66       | \$             | 9,456.60      | \$                           | 9,227.5  |  |  |
| CAWD Total                     | 143,233.04                      |                    | \$ 27,228.40                 | \$ 22,342.43      | \$             | 21,337.20     | \$ 26,2                      |          |  |  |
| Tertiary                       | 86,548.72                       | \$ 0.193           | \$ 16,666.66                 | \$ 14,522.02      | \$             | 16,423.59     | \$ 14,959.9                  |          |  |  |
| MF/RO                          | 85,639.00                       | \$ 0.222           | \$ 19,014.22                 | \$ 19,657.48      | \$             | 17,709.53     | 53 \$ 25,                    |          |  |  |
| Reclaim Total                  | 172,187.72                      |                    | \$ 35,680.88                 | \$ 34,179.50      | \$             | 34,133.12     | \$                           | 39,981.7 |  |  |
| Adjusted Monthly<br>Totals (1) | CAWD Total                      | \$                 | 16,675.12                    | Re                | eclamation Tot | al            | \$                           | 46,234.1 |  |  |
|                                |                                 |                    | kW-h Pe                      | er Acre Foot      |                |               |                              |          |  |  |
|                                |                                 | 20                 | 21                           |                   |                | 20            | 22                           |          |  |  |
|                                | 1 QTR                           | 2 QTR              | 3 QTR                        | 4 QTR             | 1 QTR          | 2 QTR         | 3 QTR                        | 4 QTR    |  |  |
|                                | 1453.87                         | 1327.64            | 1298.73                      | 1681.53           | 1409.48        | N/A           | N/A                          | N/A      |  |  |
| CAWD                           |                                 | 1939.79            | 1682.65                      | 1887.92           | 2190.20        | N/A           | N/A                          | N/A      |  |  |
| CAWD<br>Reclamation            | 1984.84                         |                    |                              | BINE SUMMA        | ARY            |               |                              |          |  |  |
| Reclamation                    |                                 |                    |                              |                   |                | Dec '21 Ac    |                              |          |  |  |
|                                | 1984.84<br>Mar '22 k\<br>24,427 | V-h Feb            | '22 Jan                      |                   | <b>Dec '21</b> | Ac            | cumulated To<br>1,225,671.00 |          |  |  |



| Total Lifetime Reclamation Production (94-22)       8.94 BG (27.45 K acre-ft.)         346.48 MG (1063.33 acre-ft.)         12 Month Rolling Total Reclamation Production         Secondary 195,502.00       \$ 0.167       \$ 13,880.60       \$ 0.84 MG (1063.33 acre-ft.)         ELECTRICAL COSTS         Monthly Totals       Feb'22 kWh       Price per kWh       Feb'22       Jan'22       Dec'21       Nov'21         Secondary       95,502.00       \$ 0.167       \$ 15,984.77       \$ 11,880.60       \$ 0.6980.55       \$ 0.1165         Blowers       57,377.44       \$ 0.111       \$ 6,357.66       \$ 9,456.60       \$ 9,227.58       \$ 0.1015       \$ 10,423         CAWD Total       152,879.44       \$ 0.115       \$ 14,522.02       \$ 16,423.59       \$ 14,959.99       \$ 0.527.77       \$ 19,557.48       \$ 17,709.53       \$ 25,021.75       \$ 19,557.48       \$ 17,709.53       \$ 25,021.75       \$ 19,557.48       \$ 17,709.53       \$ 25,021.75       \$ 19,557.48       \$ 17,709.53       \$ 25,021.75       \$ 19,557.48       \$ 17,709.53       \$ 25,021.75       \$ 19,557.48       \$ 12,486.54       \$ 12,486.54       \$ 22,421.43       \$ 24,403         Adjusted Monthly<br>Totals (1)       CAWD Total       \$ 12,486.54       12  |                         |                              | HYDR          |   | DINGS          |               | 2022          | 2 YEAR-TO-I  | DATE      |  |
|--|-------------------------|------------------------------|---------------|---|----------------|---------------|---------------|--------------|-----------|--|
| PBCSD Flow         9.822         0.351         0.453         31.490         24.10         73.92           Total Plant Flow         31.191         1.114         1.026         1.281         100.00         72.00         220.85           Tertiary Flow         22.463         0.832         0.000         1.121         72.018         47.96         147.12           Ocean Discharge         10.278         0.367         0.106         0.916         32.952         25.53         78.31           Potable Water         0.000 <th>•</th> <th>Monthly,</th> <th></th> <th>-</th> <th>• •</th> <th>% of Total</th> <th>MG</th> <th>acre</th> <th>-feet</th>   | •                       | Monthly,                     |               | -   | • •            | % of Total    | MG            | acre         | -feet     |  |
| Total Plant Flow         31.191         1.114         1.026         1.281         100.00         72.00         220.85           Tertiary Flow         22.463         0.832         0.000         1.121         72.018         47.96         147.12           Ocean Discharge         10.278         0.367         0.106         0.916         32.952         25.53         78.31           Potable Water         0.000   | CAWD Flow               | 21.369                       | 0.763         | 0.711   | 0.828          | 68.510        | 47.90         | 14           | 5.93      |  |
| Tertiary Flow         22.463         0.832         0.000         1.121         72.018         47.96         147.12           Ocean Discharge         10.278         0.367         0.106         0.916         32.952         25.53         78.31           Potable Water         0.000 <t< td=""><td>PBCSD Flow</td><td>9.822</td><td>0.351</td><td>0.315</td><td>0.453</td><td>31.490</td><td>24.10</td><td>73</td><td>.92</td></t<>  | PBCSD Flow              | 9.822                        | 0.351         | 0.315   | 0.453          | 31.490        | 24.10         | 73           | .92       |  |
| Ocean Discharge         10.278         0.367         0.106         0.916         32.952         25.53         78.31           Potable Water         0.000         0.000         0.000         0.000         0.000         0.000         0.000           Potable Water         0.000         0.000         0.000         0.000         0.000         0.000         0.000           Formation Production (2022)         47.96MG (147.12acre-ft.)           Severity Big (27.45 K acre-ft.)           Iter Inter Colspan="4">Severity Big (27.45 K acre-ft.)           Iter Inter Colspan="4">Iter Inter Inter Colspan="4">Iter Inter Colspan="4">Iter Inter Colspan="4">Iter Inter Colspan="4">Iter Inter I   | <b>Total Plant Flow</b> | 31.191                       | 1.114         | 1.026   | 1.281          | 100.00        | 72.00         | 220          | 0.85      |  |
| Potable Water         0.000         0.000         0.000         0.000         0.000         0.000         0.000           FERTIARY PROJECTS HISTORY           Total Annual Reclamation Production (94-22)           S.94 BG (27.45 K acce-ft.)           S.94 Accelspan= 4.16 K acces  | <b>Tertiary Flow</b>    | 22.463                       | 0.832         | 0.000   | 1.121          | 72.018        | 47.96         | 14           | 7.12      |  |
| TERTIARY PROCESS HISTORY         Total Annual Reclamation Production (2022)       3.96 MG (147.12acre-ft.)         Total Lifetime Reclamation Production (94-22)       3.94 BG (27.45 K acre-ft.)         Total Lifetime Reclamation Production (94-22)       3.94 BG (27.45 K acre-ft.)         2.2 Month Rolling Totals       Feb'22 kWh       Feb'22       3.46.48 MG (1063.33 acre-ft.)         ISEMENTIAL COSTS         ELECTRUCL COSTS         Secondary       95,502.00       \$ 15,984.77       \$ 11,880.60       \$ 16,980.55       \$ 11,66         Blowers       \$ 57,377.44       \$ 0.101       \$ 6,357.66       \$ 9,927.58       \$ 10,072         CAWD Total       152,879.44       \$ 22,342.43       \$ 21,337.20       \$ 26,208.13       \$ 21,83         Tertiary       74,567.44       \$ 9,057.48       \$ 16,622.59       \$ 10,705.3       \$ 25,021.75       \$ 19,57         MF/RO       89,935.00       \$ 9,67.48       \$ 34,179.50       \$ 34,179.50 <td>Ocean Discharge</td> <td>10.278</td> <td>0.367</td> <td>0.106</td> <td>0.916</td> <td>32.952</td> <td>25.53</td> <td>78</td> <td>.31</td>  | Ocean Discharge         | 10.278                       | 0.367         | 0.106   | 0.916          | 32.952        | 25.53         | 78           | .31       |  |
| Arya6MG (147.12arre-ft.)         Total Lifetime Reclamation Production V94-22)         Interpretation Production V94-220         Interpretation V94-220         Interpretation Production V94-2202         Interpretation Production V94-2202         Interpretation Production V94-2202         Interpretation V94-2202         Interpretation V9   | Potable Water           | 0.000                        | 0.000         | 0.000   | 0.000          | 0.000         | 0.000         | 0.0          | 000       |  |
| Otal Lifetime Reclamation Production (94-22)       8.94 BG (27.45 K acre-ft.)         346.48 MG (1063.33 acre-ft.)         Z Month Rolling Total Reclamation Production         VIECTIVEL COSTS         ELECTRICAL COSTS         Monthly Totals       Feb'22 kWh       Price per kWh       Feb'22       Jan'22       Dec'21       Nov'21         Secondary       95,502.00       \$ 0.167       \$ 15,984.77       \$ 11,880.60       \$ 16,980.55       \$ 11,668         Blowers       57,377.44       \$ 0.111       \$ 6,357.66       \$ 9,456.60       \$ 9,227.58       \$ 10,015         CAWD Total       152,879.44       \$ 0.111       \$ 6,357.66       \$ 9,456.60       \$ 9,227.58       \$ 10,015         CAWD Total       152,879.44       \$ 0.119       \$ 14,522.02       \$ 16,423.59       \$ 14,959.99       \$ 15,277         MF/RO       89,935.00       \$ 0.219       \$ 19,657.48       \$ 17,709.53       \$ 25,021.75       \$ 19,507         Reclaim Total       164,502.44       \$ 12,486.54       \$ 17,709.53       \$ 39,981.74       \$ 34,403         KW-h Prezer       EVE         KW-h Prezer       EVE         S 10 TOT  |                         |                              | •             | TERTIARY PF   | OCESS HIST     | ORY           |               |              |           |  |
| 346.48 MG (1063.33 acre-ft.)         Secondary       95,502.00       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.167       \$ 11,880.60       \$ 0.9227.58       \$ 0.011         CAWD Total       152,879.44       0.111       \$ 6,357.66       \$ 9,456.60       \$ 0.227.58       \$ 0.1018       \$ 0.133       \$ 0.152       \$ 0.133       \$ 0.213       \$ 0.133       \$ 0.213       \$ 0.133       \$ 0.213       \$ 0.143       \$ 0.135  | otal Annual Reclamat    | ion Production               | (2022)        |   |                | 47.96MG (14   | 7.12acre-ft.) |              |           |  |
| Hondhly Totals         Feb'22 kWh         Price per kWh         Feb'22         Jan'22         Dec' I         Nov / I           Secondary         95,502.00         \$         0.167         \$ 15,984.77         \$ 11,880.60         \$ 16,980.55         \$ 11,680.55         \$ 10,980.55 <t< td=""><td>Total Lifetime Reclama</td><td></td><td></td><td>8.94 BG (27.4</td><td>45 K acre-ft.)</td><td></td><td></td></t<>   | Total Lifetime Reclama  |                              |               | 8.94 BG (27.4   | 45 K acre-ft.) |               |               |              |           |  |
| Monthly Totals       Feb'22 kWh       Price pr kWh       Feb'22       Jan'22       Dec'1       Nov:         Secondary       95,502.00       \$       0.167       \$ 15,984.77       \$ 11,880.60       \$       16,980.55       \$       11,68         Blowers       57,377.44       \$       0.111       \$       6,357.66       \$ 9,456.60       \$       9,227.58       \$       0.115       \$         CAWD Total       152,879.44       \$       0.195       \$ 14,522.02       \$ 16,423.59       \$       26,208.13       \$       2.1383         Tertiary       74,567.44       \$       0.219       \$ 14,522.02       \$ 16,423.59       \$       14,959.99       \$       15,27         MF/RO       89,935.00       \$       0.219       \$ 14,522.02       \$ 34,133.12       \$       39,81.74       \$       34,035         Adjusted Monthly<br>Totals (1)       CAWD Total       \$       I.2,486.54  | 12 Month Rolling Total  | 346.48 MG (1063.33 acre-ft.) |               |   |                |               |               |              |           |  |
| Secondary       95,502.00       \$       0.167       \$ 15,984.77       \$ 11,880.60       \$       16,980.55       \$       11,68         Blowers       57,377.44       \$       0.111       \$ 6357.66       \$ 9,456.60       \$       9,227.58       \$       0.111       \$         CAWD Total       152,879.44        22,342.43       \$ 21,337.20       \$       26,081.33       \$       21,833         Tertiary       74,567.44       \$       0.195       \$ 14,522.02       \$ 16,423.59       \$       14,959.99       \$       15,277         MF/RO       89,935.00       \$       0.219       \$ 19,657.48       \$ 17,709.53       \$       25,021.75       \$       9,957.08       34,737.08         Adjusted Monthly<br>Totals (1)       CAWD Total       \$       0.219       \$ 34,179.50       \$ 34,133.12       \$       39,981.74       \$ 44,03         VEV       VEV       VEV       VEV       VEV       VEV       VEV       \$ 44,03         Otals (1)       CAWD Total       \$ 2 \ QTR       3 QTR       4 QTR       1 QTR       2 QTR       3 QTR       4 QT         MERON       198.79       1327.64       1298.73       1681.53       N/A       N/A       N/A </td <td></td> <td></td> <td></td> <td>ELECTR</td> <td>ICAL COSTS</td> <td></td> <td></td> <td></td> <td></td>  |                         |                              |               | ELECTR  | ICAL COSTS     |               |               |              |           |  |
| Blowers       57,377.44       \$       0.111       \$       6,357.66       \$       9,456.60       \$       9,227.58       \$       10,15         CAWD Total       152,879.44       \$       0.105       \$       2,2342.43       \$       2,1337.20       \$       2,6208.13       \$       2,1383         Tertiary       74,567.44       \$       0.105       \$       14,522.02       \$       16,423.59       \$       14,959.99       \$       15,27         MF/RO       89,935.00       \$       0.219       \$       19,657.48       \$       17,709.53       \$       25,021.75       \$       9,935.00       \$       34,179.50       \$       34,133.12       \$       39,981.74       \$       34,78         Adjusted Monthly<br>Totals (1)       CAWD Total       \$       .12,486.54       .12,486.5   | Monthly Totals          | Feb'22 kWh                   | Price per kWh | Feb'22  | Jan'22         | Dee           | :'21          | No           | v'21      |  |
| CAWD Total       152,879.44       Image: Second Se | Secondary               | 95,502.00                    | \$ 0.167      | \$ 15,984.77  | \$ 11,880.60   | \$            | 16,980.55     | \$           | 11,680.5  |  |
| Tertiary       74,567.44       \$ 0.195       \$ 14,522.02       \$ 16,423.59       \$ 14,959.99       \$ 15,27         MF/RO       89,935.00       \$ 0.219       \$ 19,657.48       \$ 17,709.53       \$ 25,021.75       \$ 19,50         Reclaim Total       164,502.44       Image: Cawb Total       \$ 34,179.50       \$ 34,133.12       \$ 39,981.74       \$ 30,981.74       \$ 34,78         Adjusted Monthly<br>Totals (1)       Cawb Total       \$ Image: Cawb Total       Image: Cawb Total       Image: Cawb Total       Image: Image: Cabb Total       Image: Ima   | Blowers                 | 57,377.44                    | \$ 0.111      | \$ 6,357.66   | \$ 9,456.60    | \$            | 9,227.58      | \$           | 10,158.54 |  |
| MF/RO       89,935.00       \$ 0.219       \$ 19,657.48       \$ 17,709.53       \$ 25,021.75       \$ 19,67         Reclaim Total       164,502.44       Image: CAWD Total       \$ 34,179.50       \$ 34,133.12       \$ 39,981.74       \$ 34,78         Adjusted Monthly<br>Totals (1)       CAWD Total       \$ I2,486.54       Reclamation Total       \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  | CAWD Total              | 152,879.44                   |               | \$ 22,342.43  | \$ 21,337.20   | \$            | 26,208.13     | \$           | 21,839.1  |  |
| Reclaim Total       164,502.44       \$ \$ 34,179.50       \$ 34,133.12       \$ 39,981.74       \$ 34,78         Adjusted Monthly<br>Totals (1)       CAWD Total       \$ 12,486.54       Reclamation Total       \$ 44,03         Vertical S(1)       \$ 12,486.54       Reclamation Total       \$ 44,03         Vertical S(1)       \$ 12,486.54       Reclamation Total       \$ 44,03         Vertical S(1)       \$ 12,486.54       Reclamation Total       \$ 12,486.54       \$ 44,03         Vertical S(1)       \$ 12,486.54       Reclamation Total       \$ \$ 44,03         Vertical S(1)       \$ 12,486.54       Reclamation Total       \$ \$ 44,03         Vertical S(1)       \$ 12,486.54       Reclamation Total       \$ \$ \$ 44,03         Vertical S(1)       \$ 12,486.54       Reclamation Total       \$ \$ \$ \$ 44,03         Vertical S(1)       \$ 12,486.54       \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  | Tertiary                | 74,567.44                    | \$ 0.195      | \$ 14,522.02  | \$ 16,423.59   | \$            | 14,959.99     | \$ 15,275.5  |           |  |
| Adjusted Monthly<br>Totals (1)         CAWD Total         \$         12,486.54         Reclamation Total         \$         44,03           Mainter Cawd         S         12,486.54         Reclamation Total         \$         44,03           Cawd         S         12,486.54         Reclamation Total         \$         44,03           Cawd         S <td>MF/RO</td> <td>89,935.00</td> <td>\$ 0.219</td> <td>\$ 19,657.48</td> <td>\$ 17,709.53</td> <td>\$</td> <td>25,021.75</td> <td colspan="2">\$ 19,507.16</td>  | MF/RO                   | 89,935.00                    | \$ 0.219      | \$ 19,657.48  | \$ 17,709.53   | \$            | 25,021.75     | \$ 19,507.16 |           |  |
| Totals (1)         CAWD Total         \$         12,486.54         Reclamation Total         \$         44,03           KW-h Per Acre Foot           CAWD Total         \$         12,486.54         Reclamation Total         \$         44,03           CAWD Total         \$         Law         S         44,03           CAWD         COULT         COULT         COULT           COULT         COULT         COULT         COULT           CAWD         1 QTR         2 QTR         3 QTR         4 QTR         1 QTR         2 QTR         3 QTR         4 QTR         COULT           CAWD         1 QTR         2 QTR         3 QTR         4 QTR         1 QTR         2 QTR         3 QTR         4 QTR           CAWD         1 QTR         1 QTR         1 QTR         3 QTR         A QTR         A QTR         A QTR         A QTR         A QTR <th< td=""><td>Reclaim Total</td><td>164,502.44</td><td></td><td>\$ 34,179.50</td><td>\$ 34,133.12</td><td>\$</td><td>39,981.74</td><td>\$</td><td>34,782.7</td></th<>   | Reclaim Total           | 164,502.44                   |               | \$ 34,179.50  | \$ 34,133.12   | \$            | 39,981.74     | \$           | 34,782.7  |  |
| I          |                         | CAWD Total                   | \$            | 12,486.54   | R              | eclamation To | tal           | \$           | 44,035.3  |  |
| 1 QTR         2 QTR         3 QTR         4 QTR         1 QTR         2 QTR         3 QTR         4 QT           CAWD         1453.87         1327.64         1298.73         1681.53         N/A         N/A <t< td=""><td></td><td></td><td></td><td>kW-h Pe</td><td>er Acre Foot</td><td></td><td></td><td></td><td></td></t<>  |                         |                              |               | kW-h Pe   | er Acre Foot   |               |               |              |           |  |
| CAWD         1453.87         1327.64         1298.73         1681.53         N/A         N/A         N/A         N/A           Reclamation         1984.84         1939.79         1682.65         1887.92         N/A         N/A         N/A         N/A         N/A           MICROTURBINE SUMMARY  |                         |                              |               |   |                |               | 20            | 22           | -         |  |
| Reclamation         1984.84         1939.79         1682.65         1887.92         N/A         N/A         N/A         N/A           MICROTURBINE SUMMARY   |                         |                              |               |   |                |               |               |              | 4 QTR     |  |
| MICROTURBINE SUMMARY   |                         |                              |               |   |                |               |               |              | N/A       |  |
|  | Reclamation             | 1984.84                      |               |   |                |               | N/A           | N/A N/A      |           |  |
| Month Feb '22 kW-h Jan'22 Dec '21 Nov '21 Accumulated Totals   |                         |                              |               | The second se |                |               | -             |              |           |  |
|  |                         |                              |               |   |                |               | Ac            |              |           |  |
| Production,kW-h         22,570         18,128         0         0         1,201,244.00   | Production,kW-h         | 22,570                       | 18,           | 18,128 0 0 1,201,244.00   |                |               |               |              |           |  |



# STAFF REPORT

To: Board of Directors

From: Ray De Ocampo - Laboratory/Environmental Compliance Supervisor

Date: May 26, 2022

Subject: Monthly Report – April 2022

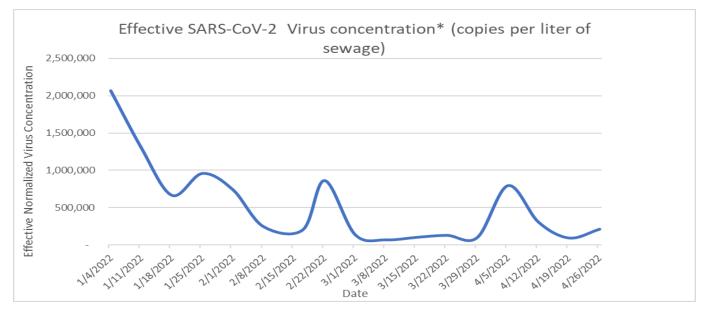
#### RECOMMENDATION

Receive Report - Informational only; No action required.

#### DISCUSSION

#### LABORATORY REPORT

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



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

• On April 11-14, 2022, Fanny Mui attended the California Water Environment Association (CWEA) Annual Conference in Sacramento, CA. Fanny was among the CWEA Monterey Section Laboratory Analyst winners going for the State award.



#### ENVIRONMENTAL COMPLIANCE REPORT

- Pretreatment grease trap letters were sent to Café Carmel and Bagel Bakery owners to require their businesses to install grease traps. Since the CAWD Pretreatment Ordinance 22-02 was approved, staff was able to assess businesses that are food service establishments that were not on the pretreatment program.
- The owner of a new restaurant, Promesa, contacted the Environmental Compliance staff to ask what will be required for a CAWD discharge permit and fees to be paid. Staff sent out the discharge permit application and fee invoice to Promesa which they completed and paid. Promesa staff anticipate opening in May 2022.

|                   |           | Reason for Non- |          |
|-------------------|-----------|-----------------|----------|
| Restaurant        | Compliant | Compliance      | Comments |
| Tommy Wok         | Yes       |                 |          |
| The Cottage       | Yes       |                 |          |
| Mission Bistro    | Yes       |                 |          |
| Myo Yogurt        | Yes       |                 |          |
| Sweet Reba's      | Yes       |                 |          |
| Island Taco       | Yes       |                 |          |
| L 'Escargot       | Yes       |                 |          |
| The Breadsong and | Yes       |                 |          |
| SteakCraft        |           |                 |          |
| Lafayette Bakery  | Yes       |                 |          |
| The Noodle Palace | Yes       |                 |          |
| Casanova's        | Yes       |                 |          |
|                   |           |                 |          |

#### **Restaurant Inspections**

#### **Grocery Store/Delicatessen Inspections**

| Grocery<br>Store/Delicatessen | Compliant | Reason for Non-<br>Compliance | Comments |
|-------------------------------|-----------|-------------------------------|----------|
| Bruno's Deli and Market       | Yes       | -                             |          |
| Sea Harvest Fish Market       | Yes       |                               |          |

#### **Compliance Register**

| % Compliance  | Maintenance | Mechanical |
|---------------|-------------|------------|
| February 2022 | 92          | 100        |
| March 2022    | 100         | 100        |
| April 2022    | 100         | 100        |

| Project<br>Number | GL                    | Task Name   | Manager  | Start    | Finish   | Current FY<br>Budget | Cumulative<br>Budget | Status   | 2020         2021         2022         2023           H1         H2         H1         H2         H1         H2 |
|-------------------|-----------------------|---|----------|----------|----------|----------------------|----------------------|--|---|
|                   |                       | Projects Implementation Plan Schedule                           |          |          |          |                      |                      |  |   |
|                   |                       | Treatment Plant Capital Projects                                |          |          |          |                      |                      |  |   |
| 18-01             | 1620.000              | Elec/Mech Rehab and Sludge Holding Tank Replacement Project     | Treanor  | 4/30/18  | 7/25/23  | \$5,000,000          | \$10,946,671         | In Construction  | and Sludge Holding Tank Replacement Project   |
| 18-05             | 5858.004              | PLC/SCADA Programming   | Foley    | 10/8/18  | 12/31/21 | \$200,000            | \$455,807            | Anticipated Completion June<br>2022  | ADA Programming   |
| 18-28             | 1626.000              | Perimeter Tree Plan and Implementation                          | Treanor  | 7/1/19   | 6/30/26  | \$60,000             | \$237,897            | Planning Stakeholder<br>Meeting  | Perimeter Tree Plan and Implementa  |
| 19-21             | 1993.000              | Carmel River FREE Mitigation                                    | Treanor  | 6/1/20   | 11/30/23 | \$0                  | \$0                  | Design/Permitting/<br>Developing Funding<br>Agreement                        | Carmel River FREE Mitigation  |
| 19-19             | 1634.000              | Aeration Basin Improvements                                     | Waggoner | 7/1/20   | 6/30/22  | \$0                  | \$9,030              | Planning Installation for 2022   | Aeration Basin Improvements   |
| 19-18             | 1593.000              | Perimeter Fencing   | Treanor  | 7/1/22   | 6/29/23  | \$200,000            | \$200,000            | Scoping Design Work  | Perimeter Fencing   |
| 22-03             |                       | WWTP Gas and Water Main<br>Replacement                          | Treanor  | 5/2/22   | 6/30/23  | \$0                  | \$300,000            | In Study Phase   | WWTP Gas and Water Main Replacem  |
| 22-04             | 5500.006              | CAWD Bridge and Trail Project                                   | Treanor  | 3/1/21   | 2/29/28  | \$0                  | \$550                | Inactive   | CAWD Bridge and Trail Project   |
|                   |                       | Reclamation Capital Projects                                    |          |          |          |                      |                      |  |   |
| 18-26             | 14777                 | Sulfuric Acid and Citric Acid Storage and<br>Feed Systems       | Treanor  | 1/1/19   | 7/29/22  | \$370,000            | \$438,743            | In Construction  | nd Citric Acid Storage and Feed Systems   |
| 21-09             | 14776                 | SCADA Migration   | Foley    | 11/1/21  | 10/31/22 | \$140,000            | \$140,000            | In Progress 70%  | SCADA Migration   |
| 21-10             |                       | Fiber Wrap PVC Pipe   | Foley    | 4/1/22   | 6/30/22  | \$25,000             | \$25,000             | Pending  | Fiber Wrap PVC Pipe   |
|                   |                       | Reclamation 15-Year Asset<br>Management Assessment              | Treanor  | 7/1/21   | 6/30/23  | \$50,000             | \$50,000             | Request Qualifications from<br>Consultants                                   | Reclamation 15-Year Asset Management Assessme   |
|                   |                       | Collections Capital Projects                                    |          |          |          |                      |                      |  |   |
| 19-03             | 1586.000              | Carmel Meadows Sewer Replacement                                | Lather   | 8/1/19   | 1/19/23  | \$150,000            | \$2,014,551          | In Design / CEQA   | Carmel Meadows Sewer Replacement  |
| 20-07             | 1636.000              | Bay/Scenic Pump Station Rehabilitation                          | Lather   | 12/31/20 | 6/30/23  | \$250,000            | \$756,726            | In Design  | Bay/Scenic Pump Station Rehabilitation  |
| 20-08             | 1635.000              | Scenic Rd Pipe Bursting - Ocean to Bay                          | Lather   | 2/5/21   | 6/30/23  | \$1,200,000          | \$1,280,276          | In Design / CEQA   | Scenic Rd Pipe Bursting - Ocean to Bay  |
| 21-05             | 1637.000              | Pescadero Creek Area Pipe Relocation                            | Lather   | 7/1/21   | 6/30/23  | \$450,000            | \$1,700,000          | In Design  | Pescadero Creek Area Pipe Relocation  |
| 20-06             |                       | Collections 15-Year CIP   | Lather   | 7/1/20   | 7/1/40   | \$0                  | \$62,899,430         | Work In Progress   | Collections 5-Year CIP  |
|                   |                       | Collections Non-Capital Projects                                |          |          |          |                      |                      |  |   |
| 20-05             |                       | River Watch Agreement   | Lather   | 2/21/20  | 2/21/24  | \$0                  | \$0                  | Work In Progress   | River Watch Agreement   |
| 22-02             | 6130.005/<br>6140.005 | 2022 Manhole Frame and Lids Replacement at<br>Various Locations | Lather   | 2/1/22   | 10/10/22 | \$55,000             | \$55,000             | Contracting  | 2022 Manhole Frame and Lids Replacement at Various Lo   |
| 21-06             | 6140.005              | Manhole Rehabilitation  | Lather   | 7/1/22   | 6/29/23  | \$150,000            | \$150,000            | On Hold Till Next FY   | Manhole Rehabilitation  |
|                   |                       | Assessment Districts/Annexations                                |          |          |          |                      |                      |  |   |
| 19-09             | 5500.005              | 2020 Sphere of Influence Amendment and<br>Annexation Proposal   | Lather   | 3/15/19  | 3/1/22   | \$0                  | \$50,000             | In process of obtaining CDP<br>Ammendment for<br>annexations in coastal zone | nce Amendment and Annexation Proposal   |
| 18-21             | 1631.000/<br>2505.000 | Corona Road Assessment District                                 | Lather   | 8/2/18   | 12/2/22  | \$0                  | \$0                  | In Design / CEQA   | na Road Assessment District   |
| 19-08             | 1632.000              | Station   | Lather   | 7/3/18   | 6/30/22  | \$0                  | \$0                  | Re-Design by Property<br>Owner in Progress                                   | lanor Pipeline and Pump Station   |
|                   |                       | Rancho Canada Subdivision                                       | Lather   | 3/1/23   | 2/27/25  | \$0                  | \$0                  | In Design by Property Owner  | Rancho Ca   |

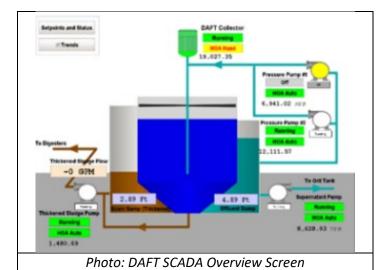
| Project<br>Number |          | Task Name                        | Manager              | Start  | Finish  | Current FY<br>Budget | Cumulative<br>Budget | Status   | 2020<br>H1 H2 | 2021<br>H1 H2 | H1     | 2022<br>H2 | 2023<br>H1 H | H2 |
|-------------------|----------|----------------------------------|----------------------|--------|---------|----------------------|----------------------|--|---------------|---------------|--------|------------|--------------|----|
|                   |          | Other Non-Capital Projects       |                      |        |         | 9                    |                      |  |               |               |        |            |              |    |
|                   |          | Workforce Now                    | Foley                |        |         | \$0                  | \$0                  | Implementation                                 |               |               |        |            |              |    |
|                   |          | Employee Contract Negotiations   | Buikema              |        |         | \$0                  | \$0                  | In Progress                                    |               |               |        |            |              |    |
|                   |          | Real Property Investigation      | Buikema              |        |         | \$75,000             | \$75,000             | Evaluation in Progress                         |               |               |        |            |              |    |
|                   |          | Cyber Security                   | Foley                |        |         | \$17,000             | \$17,000             | Ongoing  |               |               |        |            |              |    |
|                   |          | Lean Six Sigma                   | Buikema              |        |         | \$0                  | \$0                  | Green Belt Level Training and<br>Certification |               |               |        | '          |              |    |
| 22-01             | 5500.006 | Long Term SLR Planning           | Buikema /<br>Treanor | 5/3/21 | 2/29/40 | \$250,000            | \$1,400,000          | In Progress                                    |               |               | Long 1 | Ferm SLR P | Planning     |    |
|                   |          | Source Control Grease Task Force | Lather               |        |         | \$0                  | \$0                  | In Progress                                    |               |               |        |            |              |    |

**Treatment Plant Capital Project Summaries** 



Photo: New Sludge Tank Under Construction

|             | 0.11011 3         |                                  |                          |  |  |  |
|-------------|-------------------|----------------------------------|--------------------------|--|--|--|
| Project Nu  | mber:             | 18-01                            |                          |  |  |  |
| Project Na  |                   | Wastewater Treatment Plant       |                          |  |  |  |
|             |                   | (WWTP) – Elec/Mech Rehab &       |                          |  |  |  |
|             |                   | • •                              | ing Tank Replacement     |  |  |  |
|             |                   | Project                          |                          |  |  |  |
| Project Loc | ation:            | Wastewater                       | Treatment Plant          |  |  |  |
| Project Ma  | nager:            | Treanor                          |                          |  |  |  |
| Status:     | Status:           |                                  | ion                      |  |  |  |
| Project     |                   | This project                     | is a multi-area project  |  |  |  |
| Description | n:                | at the WWT                       | P aimed at mitigating    |  |  |  |
|             |                   | risk of failure                  | e in the Influent Pump   |  |  |  |
|             |                   |                                  | dworks, 3W/Chlorine      |  |  |  |
|             |                   | Analyzer Bui                     | lding, Effluent Building |  |  |  |
|             |                   | and Sludge S                     | Storage Tank. Most of    |  |  |  |
|             |                   | the work inv                     | olves replacing aged     |  |  |  |
|             |                   | electrical and mechanical        |                          |  |  |  |
|             |                   |                                  | n existing buildings.    |  |  |  |
| Departmer   | nt:               | Treatment                        |                          |  |  |  |
| Financial:  | Financial: Cumula |                                  | Cumulative Spent:        |  |  |  |
|             | \$10,946          | 6,671                            | \$3,830,004              |  |  |  |
|             | FY Budg           | et:                              | FY Spent:                |  |  |  |
|             | \$5,000,          | 000                              | \$2,933,333              |  |  |  |
| Reclamatio  | n                 | Estimated at                     | 2.7% of project cost.    |  |  |  |
| Share:      |                   |                                  |                          |  |  |  |
| Other Entit | ies:              |                                  | h Community Services     |  |  |  |
|             |                   | District, CAV                    | VD/PBCSD Reclamation     |  |  |  |
|             |                   | Project                          |                          |  |  |  |
| Permits Re  | quired:           | Coastal Commission Notification  |                          |  |  |  |
| Challenges  | :                 | Electrical Cutover Coordination; |                          |  |  |  |
|             |                   | Steel tank vs concrete design to |                          |  |  |  |
|             |                   |                                  | code                     |  |  |  |
| Schedule:   |                   |                                  | ction anticipated for    |  |  |  |
|             |                   | FY21/22                          | into FY22/23             |  |  |  |
| Consultant  | s:                | Design: Kenr                     | nedy/Jenks Consultants   |  |  |  |
|             |                   | Construction                     | n Management: Currie     |  |  |  |
|             |                   | Engineers                        |                          |  |  |  |
| Contractor  | :                 | Clark Bros. II                   | nc.                      |  |  |  |
|             |                   |                                  |                          |  |  |  |



| Project Number     | :    | 18-05                              |                          |  |  |  |
|--------------------|------|------------------------------------|--------------------------|--|--|--|
| Project Name:      |      | Programma                          | ble Logic Controller     |  |  |  |
|                    |      | (PLC) and Supervisory Control and  |                          |  |  |  |
|                    |      | Data Acquisition (SCADA)           |                          |  |  |  |
|                    |      | Programming Project                |                          |  |  |  |
| Project Location   | n:   | Wastewater                         | Treatment Plant          |  |  |  |
| Project Manage     | r:   | Foley                              |                          |  |  |  |
| Status:            |      |                                    | Completion June 2022     |  |  |  |
| Project            |      | •                                  | hase 1 project a new     |  |  |  |
| Description:       |      |                                    | vare package from        |  |  |  |
|                    |      | Inductive Au                       | tomation was installed   |  |  |  |
|                    |      | to parallel th                     | ne existing system. This |  |  |  |
|                    |      |                                    | des the migration of     |  |  |  |
|                    |      |                                    | ng SCADA screens from    |  |  |  |
|                    |      | • • •                              | stem 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      |                          |  |  |  |
| <b>.</b>           |      | reliable.                          |                          |  |  |  |
| Department:        |      | Treatment                          |                          |  |  |  |
|                    |      | tive Budget:                       | Cumulative Spent:        |  |  |  |
|                    | 5,80 |                                    | \$273,297                |  |  |  |
|                    | Budg | 5                                  | FY Spent:                |  |  |  |
| S20<br>Reclamation | 0,00 |                                    |                          |  |  |  |
|                    |      | Partial Reclamation                |                          |  |  |  |
| Share:             |      |                                    |                          |  |  |  |
| Other Entities:    |      | None                               |                          |  |  |  |
| Permits Require    | ed:  | None                               |                          |  |  |  |
| Schedule:          |      | Some minor                         | additional work          |  |  |  |
|                    |      | remains and                        | will be completed by     |  |  |  |
|                    |      | 06-30-22                           |                          |  |  |  |
| Consultants:       |      | Frisch Engine                      | eering                   |  |  |  |



Photo: Eucalyptus trees on South Side of Treatment Plant

| Project Number: |          | 18-28                              |                           |  |
|-----------------|----------|------------------------------------|---------------------------|--|
| Project Name:   |          | Perimeter Tr                       | ree Plan and              |  |
|                 |          | Implementation                     |                           |  |
| Project Loc     | ation:   | Wastewater                         | Treatment Plant           |  |
| Project Ma      | nager:   | Treanor                            |                           |  |
| Status:         |          | Planning Sta                       | keholder Meeting          |  |
| Project         |          | Planning and                       | l landscaping around      |  |
| Description     | n:       | the treatmer                       | nt plant. This will       |  |
|                 |          | include looki                      | ng into possibly          |  |
|                 |          | replacing the                      | e non-native eucalyptus   |  |
|                 |          | trees around                       | I the perimeter of the    |  |
|                 |          | treatment pl                       | ant with native tree      |  |
|                 |          | species. The                       | project will start with a |  |
|                 |          | study and a p                      | plan to determine         |  |
|                 |          |                                    | ncing schedule, and       |  |
|                 |          | visual impact                      | ts. The Eucalyptus trees  |  |
|                 |          |                                    | plant have ongoing        |  |
|                 |          | maintenance costs, which may be    |                           |  |
|                 |          | offset in the long term with a     |                           |  |
|                 |          | different type of tree screening.  |                           |  |
|                 |          | The purpose is to improve security |                           |  |
|                 |          | around plant                       | t perimeter.              |  |
| Departmer       | nt:      | Treatment                          |                           |  |
| Financial:      | Cumula   | tive Budget:                       | Cumulative Spent:         |  |
|                 | \$237,89 | 97                                 | \$5,020                   |  |
|                 | FY Budg  | get:                               | FY Spent:                 |  |
|                 | \$60,000 | )                                  | \$2,123                   |  |
| Reclamatio      | on:      | N/A                                |                           |  |
| Other Entit     |          | N/A                                |                           |  |
| Permits Re      | quired:  | Currently unknown (In Study Phase) |                           |  |
| Challenges      | :        | Time it will take for new trees to |                           |  |
| _               |          | grow up that will fully screen     |                           |  |
|                 |          | treatment pl                       | ant from view             |  |
| Schedule:       |          | Study me                           | oved to 2022;             |  |
|                 |          | anticipat                          | e completion 06-30-26     |  |
| Consultant      | s:       |                                    | ndscape Design            |  |
| Contractor      | •        | TBD                                |                           |  |
| L               |          | 1                                  |                           |  |

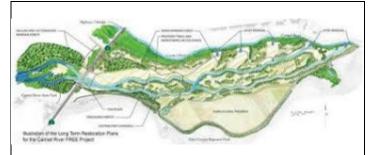


Photo: Carmel River Floodplain Restoration and Environmental Enhancement (CRFREE)

| Project Nur      |           | <b>19-21</b>                        |                        |  |
|------------------|-----------|-------------------------------------|------------------------|--|
| Project Nar      |           | Carmel River Floodplain             |                        |  |
| ,,               |           | Restoration & Environmental         |                        |  |
|                  |           | Enhancement (CRFREE) Mitigation     |                        |  |
| Project Loca     | ation:    | Carmel River Lagoon                 |                        |  |
| Project Ma       |           | Treanor                             | 2050011                |  |
| Status:          | inger.    |                                     | itting/Developing      |  |
| Status.          |           | Funding Agre                        |                        |  |
| Project          |           |                                     | Project intends to     |  |
| Description      | •         |                                     | river channel in the   |  |
| Description      | •         |                                     | lagoon floodplain,     |  |
|                  |           |                                     | nificantly impact      |  |
|                  |           | -                                   | ewater pipelines that  |  |
|                  |           | •                                   | oon. To fully mitigate |  |
|                  |           | -                                   | CRFREE the pipelines   |  |
|                  |           | -                                   | rently crossing over a |  |
|                  |           |                                     | e lagoon are proposed  |  |
|                  |           |                                     | d underground using    |  |
|                  |           |                                     | rectional Drilling     |  |
|                  |           | construction methods.               |                        |  |
| Departmen        | t:        | Engineering                         |                        |  |
| Financial:       | Coasta    |                                     | Cumulative Spent:      |  |
|                  | Consei    | rvancy Grant                        | ,<br>\$618,569         |  |
|                  | Budge     | -                                   |                        |  |
|                  | \$750,0   | 000                                 | \$130,756              |  |
| ** Project is    | s being f | unded by CRFF                       | REE initiated grants   |  |
| Reclamatio       | n         | N/A                                 |                        |  |
| Share:           |           |                                     |                        |  |
| Other Entit      | ies:      | Monterey County                     |                        |  |
| Permits          |           | Coastal Commission, CA Fish and     |                        |  |
| <b>Required:</b> |           | Wildlife, Army Corp of Engineers,   |                        |  |
|                  |           | Reginal Water Quality Control       |                        |  |
|                  |           | Board (RWQCB)                       |                        |  |
| Challenges:      |           | Construction near environmentally   |                        |  |
|                  |           | sensitive habitat and obtaining new |                        |  |
|                  |           | easement from State Parks           |                        |  |
| Schedule:        |           | Construction anticipated in         |                        |  |
|                  |           | Summer                              | 2023                   |  |
| Consultants      | s:        | Design: Kenn                        | edy Jenks and Staheli  |  |
|                  |           | Trenchless                          |                        |  |
|                  |           | CEQA: Johnso                        | on Marigot             |  |
| Contractor:      |           | TBD                                 |                        |  |
| contractor:      |           | TBD                                 |                        |  |



Photo: Existing air diffuser system

| Project Number: |           | 19-19   |                       |  |
|-----------------|-----------|---|-----------------------|--|
| Project Name:   |           | WWTP – Aeration Basin                                     |                       |  |
|                 |           |   | nts                   |  |
| Project Loca    | ation:    | Wastewater  | r Treatment Plant     |  |
| Project Mar     | nager:    | Waggoner  |                       |  |
| Status:         |           | Planning Ins  | stallation for 2022   |  |
| Project Des     | cription: | The Aeratio   | n Basins 4A & 4B need |  |
|                 |           | to have add   | itional diffusers     |  |
|                 |           |   | ensure the proper air |  |
|                 |           | (oxygen) tra  | insfer into the       |  |
|                 |           |   | to support the        |  |
|                 |           |   | roorganisms in the    |  |
|                 |           | basins.   |                       |  |
| Departmen       | t:        | Treatment   | 1                     |  |
| Financial:      | Cumulat   | ive Budget:   | Cumulative Spent:     |  |
|                 | \$17,332  | \$17,332  |                       |  |
|                 | FY Budge  |   |                       |  |
| \$0             |           | 1   | \$8,302               |  |
| Reclamation     | n Share:  | N/A   |                       |  |
| Other Entiti    | es:       | N/A   |                       |  |
| Permits Rec     | quired:   | N/A   |                       |  |
| Challenges:     |           | Weather conditions and                                    |                       |  |
|                 |           |   | Scheduling            |  |
| Schedule:       | Schedule: |   | Design is complete    |  |
|                 |           | Materials ordered and                                     |                       |  |
|                 |           | received  | b                     |  |
|                 |           | <ul> <li>Construction anticipated for<br/>2022</li> </ul> |                       |  |
| Consultants     | :         | N/A   |                       |  |
| Contractor:     |           | N/A   |                       |  |



Photo: Existing Dilapidated Fence

| Project Number: |           | 19-18                      |                    |  |
|-----------------|-----------|----------------------------|--------------------|--|
| Project Name:   |           | Perimeter Fencing          |                    |  |
| Project Loca    | ation:    | Wastewate                  | r Treatment Plant  |  |
| Project Mar     | nager:    | Treanor                    |                    |  |
| Status:         |           | Scoping Des                | sign Work          |  |
| Project Des     | cription: | Install a nev              | v fence around the |  |
|                 |           | perimeter o                | f the WWTP.        |  |
| Departmen       | t:        | Treatment                  |                    |  |
| Financial:      | Cumulat   | ive Budget:                | Cumulative Spent:  |  |
|                 | \$200,000 |                            | \$0                |  |
|                 | FY Budge  | et:                        | FY Spent:          |  |
|                 | \$200,000 | )                          | \$0                |  |
| Reclamatio      | n Share:  | N/A                        |                    |  |
| Other Entiti    | es:       | N/A                        |                    |  |
| Permits Rec     | uired:    | CEQA MND, CDP Notification |                    |  |
| Challenges:     |           | Environmental Mitigations  |                    |  |
| Schedule:       |           | Design in FY22-23          |                    |  |
|                 |           | Construction in FY23-24    |                    |  |
| Consultants:    |           | Kennedy Jenks              |                    |  |
| Contractor:     |           | TBD                        |                    |  |



Photo: Gas Meter on North Side of River

| Project Number: |           | 22-03                                       |                         |  |
|-----------------|-----------|---|-------------------------|--|
| Project Name:   |           | WWTP Gas and Water Main                     |                         |  |
|                 |           | Replaceme                                   | nt                      |  |
| Project Loca    | ation:    | Wastewate                                   | r Treatment Plant       |  |
| Project Mai     | nager:    | Treanor                                     |                         |  |
| Status:         |           | In Study Pha                                | ase                     |  |
| Project Des     | cription: | The WWTP                                    | natural gas and water   |  |
|                 |           | utility servio                              | ce exists on the        |  |
|                 |           | opposite sid                                | le of the Carmel River  |  |
|                 |           | from the W                                  | WTP. CAWD owns the      |  |
|                 |           | piping unde                                 | r the river for these   |  |
|                 |           | utilities. The                              | e water line and gas    |  |
|                 |           | line are PVC                                | Cand identified as      |  |
|                 |           | having a hig                                | sh risk of failure. The |  |
|                 |           | gas line is n                               | eeded for plant         |  |
|                 |           | operations                                  | to provide              |  |
|                 |           | supplement                                  | tary heating to the     |  |
|                 |           | digesters for thermophilic                  |                         |  |
|                 |           | digestion.                                  |                         |  |
| Departmen       | t:        | Treatment                                   |                         |  |
| Financial:      | Cumulat   | ive Budget:                                 | Cumulative Spent:       |  |
|                 | \$300,000 | כ   | \$0                     |  |
|                 | FY Budge  | et:   | FY Spent:               |  |
|                 | \$0       |   | \$0                     |  |
| Reclamatio      | n Share:  | N/A   |                         |  |
| Other Entit     | ies:      | Cost Share w/ Collections @ 5.5%            |                         |  |
| Permits Rec     | quired:   | TBD   |                         |  |
| Challenges:     |           | Underground work in riparian                |                         |  |
| Ŭ               |           | area  |                         |  |
| Schedule:       |           | Currently undergoing                        |                         |  |
|                 |           | alternat                                    | tives analysis study    |  |
|                 |           |   | in FY22-23              |  |
|                 |           | <ul> <li>Construction in FY23-24</li> </ul> |                         |  |
| Consultants     | 5:        | Kennedy Je                                  |                         |  |
| Contractor:     |           | N/A   |                         |  |



Photo: Conceptual Rendering of Public Use and Bridge

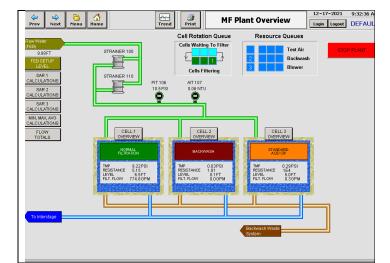
| Project Number: |                   | 22-04                            |                        |  |
|-----------------|-------------------|----------------------------------|------------------------|--|
| Project Name:   |                   | CAWD Bridge and Trail Project    |                        |  |
| Project Loca    | ation:            | Wastewate                        | r Treatment Plant      |  |
| Project Mar     | nager:            | Treanor                          |                        |  |
| Status:         |                   | Inactive                         |                        |  |
| Project Des     | cription:         | Construct a                      | new bridge at the      |  |
|                 |                   | location of t                    | the existing CAWD      |  |
|                 |                   | bridge over                      | the Carmel River.      |  |
|                 |                   | Bridge wou                       | ld be open for public  |  |
|                 |                   | use would a                      | allow new walking      |  |
|                 |                   | trails to con                    | nect the City of       |  |
|                 |                   | Carmel-by-t                      | he-Sea (Mission Trail) |  |
|                 |                   | to the Regio                     | onal Parks (Palo       |  |
|                 |                   | Corona).                         |                        |  |
| Departmen       | t:                | Treatment                        |                        |  |
| Financial:      | Cumulative Budget |                                  | Cumulative Spent:      |  |
|                 | \$0               |                                  | \$550                  |  |
|                 | FY Budge          | et: FY Spent:                    |                        |  |
| \$0             |                   |                                  | \$0                    |  |
| **No budge      | et. Funding       | g potential via                  | a Carmel River         |  |
| Settlement      | grants.           |                                  |                        |  |
| Reclamatio      | n Share:          | N/A                              |                        |  |
| Other Entiti    | es:               | State Parks,                     | Catholic Diocese, City |  |
|                 |                   | of Carmel-by-the-Sea, Regional   |                        |  |
|                 |                   | Parks District                   |                        |  |
| Permits Rec     | uired:            | TBD                              |                        |  |
| Challenges:     |                   | Underground work in riparian     |                        |  |
|                 |                   | area                             |                        |  |
| Schedule:       |                   | Pending an application for grant |                        |  |
|                 |                   | funding.                         |                        |  |
| Consultants:    |                   | TBD                              |                        |  |
| Contractor:     |                   | TBD                              |                        |  |
| <u>I</u>        |                   | 1                                |                        |  |

**Reclamation Capital Project Summaries** 



Photo: Existing totes used for Sulfuric Acid storage and Feed

| Feed                   |           |                                   |                         |  |
|------------------------|-----------|-----------------------------------|-------------------------|--|
|                        |           |                                   |                         |  |
| Project Number:        |           | 18-26                             |                         |  |
| Project Na             | me:       | Sulfuric Acid                     | d & Citric Acid Storage |  |
|                        |           | & Feed Syst                       | ems Project             |  |
| Project Loc            | ation:    | Reclamation                       | n – Microfiltration     |  |
|                        |           | (MF)/Revers                       | se Osmosis (RO)         |  |
| Project Ma             | nager:    | Treanor                           |                         |  |
| Status:                |           | In Construct                      | ion                     |  |
| Project                |           | Code compl                        | iance upgrades for      |  |
| Description            | า:        | existing acid                     | chemical storage and    |  |
|                        |           | feed system                       | used by Reclamation     |  |
|                        |           | for enhancir                      | ng RO recovery. Project |  |
|                        |           | includes code compliant secondary |                         |  |
|                        |           | containment and separation of     |                         |  |
|                        |           | dissimilar chemicals.             |                         |  |
| Departmer              | nt:       | Treatment                         |                         |  |
| Financial:             | Cumulat   | tive Budget:                      | Cumulative Spent:       |  |
|                        | \$438,74  | .3                                | \$68,743                |  |
|                        | FY Budg   | et:                               | FY Spent:               |  |
|                        | \$370,00  | 0                                 | \$0                     |  |
| Reclamatio             | on        | 100%                              |                         |  |
| Share:                 |           |                                   |                         |  |
| <b>Other Entities:</b> |           | Reclamation Project               |                         |  |
| Permits Required:      |           | Coastal Commission Notification   |                         |  |
| Challenges:            |           | Hazardous Chemical Safety         |                         |  |
| Schedule:              | Schedule: |                                   | n 2021/2022             |  |
| Consultant             | s:        | Trussell Tecl                     | hnologies, Inc          |  |
| Contractor             | :         | Monterey P                        | eninsula Engineering    |  |
|                        |           |                                   |                         |  |



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

Photo: Microfiltration SCADA Overview

**Collections Capital Project Summaries** 



Photo: View gravity pipe in Carmel easement

| Project Number: |          | 19-03                             |                                   |  |
|-----------------|----------|-----------------------------------|-----------------------------------|--|
| Project Name:   |          | Carmel Mea                        | dows Sewer                        |  |
|                 |          | Replacemen                        | t                                 |  |
| Project Loc     | ation:   | Collection Sy                     | stem                              |  |
| Project Ma      | nager:   | Lather                            |                                   |  |
| Status:         |          | In Design / C                     | alifornia Environmental           |  |
|                 |          | Quality Act (                     | CEQA)                             |  |
| Project         |          | The project v                     | will replace 1,300 feet           |  |
| Description     | า:       | of Ductile Iro                    | on Pipe (DIP) on an               |  |
|                 |          | aerial span a                     | nd eight manholes by              |  |
|                 |          | constructing                      | a small pump station              |  |
|                 |          | at the end of                     | <sup>F</sup> Mariposa Drive. This |  |
|                 |          | project is loc                    | ated on an easement               |  |
|                 |          | parallel to Ribera Road and was   |                                   |  |
|                 |          | originally installed in the early |                                   |  |
|                 |          | 1960's.                           |                                   |  |
| Departmer       | nt:      | Collections                       |                                   |  |
| Financial:      | Cumula   | tive Budget:                      | Cumulative Spent:                 |  |
|                 | \$2,014, | 551                               | \$465,763                         |  |
|                 | FY Budg  | get:                              | FY Spent:                         |  |
|                 | \$150,00 | 00                                | \$89,977                          |  |
| Permits Re      | quired:  | Coastal Perm                      | nit and Environmental             |  |
|                 |          | Review                            |                                   |  |
| Challenges      | :        | Redirecting the sewer to the pump |                                   |  |
|                 |          |                                   | station without requiring booster |  |
|                 |          | pumps for individual houses.      |                                   |  |
| Schedule:       |          | Design and Environmental Review   |                                   |  |
|                 |          | completed b                       | y 5/26/22.                        |  |
|                 |          | Construction                      | to begin FY22/23.                 |  |
| Consultant      | s:       | SRT Consulta                      | ints, WRA                         |  |
|                 |          | Environment                       | al                                |  |
| Contractor      | :        | TBD                               |                                   |  |



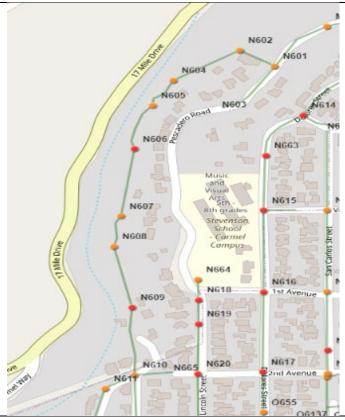
Photo: Looking at Pump Station Exterior

| Project Number: |                    | 20-07                        |                    |  |
|-----------------|--------------------|------------------------------|--------------------|--|
| Project Name:   |                    | Bay/Sceni                    | c Pump Station     |  |
|                 |                    | Rehabilita                   | tion               |  |
| Project Lo      | cation:            | Collection                   | System             |  |
| Project Ma      | anager:            | Lather                       |                    |  |
| Status:         |                    | In Design                    |                    |  |
| Project De      | scription:         | Remodel t                    | he interior of the |  |
|                 |                    | pump stat                    | ion and update     |  |
|                 |                    | SCADA pai                    | nel to remove from |  |
|                 |                    | areas pror                   | ne to flooding.    |  |
| Departme        | nt:                | Collection                   | S                  |  |
| Financial:      | Cumulative Budget: |                              | Cumulative Spent:  |  |
|                 | \$756,726          |                              | \$30,892           |  |
|                 | FY Budget:         |                              | FY Spent:          |  |
|                 | \$250,000          |                              | \$21,031           |  |
| Reclamation     | on Share:          | 0%                           |                    |  |
| Other Enti      | ties:              | Carmel-by-the-Sea, Coastal   |                    |  |
|                 |                    | Commission                   |                    |  |
| Permits Re      | equired:           | Exemptions from CEQA &       |                    |  |
|                 |                    | Coastal Commission           |                    |  |
| Challenges:     |                    | Traffic Control              |                    |  |
| Schedule:       |                    | Design 2021, Construct 2022, |                    |  |
|                 |                    | completed by 06-23           |                    |  |
| Consultan       | ts:                | SRT                          |                    |  |
| Contractor      | r:                 | Pending                      |                    |  |



Photo: Pipe Bursting Limits on Scenic

| Project Number: |             | 2  | 20-08                        |  |
|-----------------|-------------|----|------------------------------|--|
| Project Name:   |             | S  | cenic Rd Pipe Bursting -     |  |
|                 |             | C  | Ocean to Bay                 |  |
| Project Loo     | cation:     | C  | Collection System            |  |
| Project Ma      | inager:     | L  | ather                        |  |
| Status:         |             | I  | n Design / CEQA              |  |
| Project De      | scription:  | R  | eplace approximately         |  |
|                 |             | 9  | ,525 linear feet of existing |  |
|                 |             | 6  | -inch clay pipe with a new   |  |
|                 |             | 8  | -inch High-Density           |  |
|                 |             |    | olyethylene (HDPE) and       |  |
|                 |             | ir | ncludes manhole              |  |
|                 |             | r  | ehabilitation.               |  |
| Departme        | nt:         | C  | ollections                   |  |
| Financial:      | Cumulative  |    | Cumulative Spent:            |  |
|                 | Budget:     |    | \$187,223                    |  |
|                 | \$1,280,276 |    |                              |  |
|                 | FY Budget:  |    | FY Spent:                    |  |
|                 | \$1,200,000 |    | \$81,125                     |  |
| Reclamatio      | on Share:   | 0  | %                            |  |
| Other Enti      | ties:       | C  | armel-by-the-Sea, Coastal    |  |
| Permits Re      | quired:     | (  | CEQA & Coastal               |  |
|                 |             | C  | commission permit            |  |
|                 |             | _  | equired.                     |  |
| Challenges      | :           |    | raffic control & poorly      |  |
|                 |             |    | napped underground           |  |
|                 |             |    | tilities. Cultural Resources |  |
|                 |             | -  | t southern end of project.   |  |
| Schedule:       |             |    | esign 2021-2022,             |  |
|                 |             |    | construct 2023, completed    |  |
|                 |             |    | 6-23                         |  |
| Consultant      | s:          | Ν  | /INS, Rincon                 |  |
| Contractor      | •           | P  | ending                       |  |
|                 | -           |    |                              |  |



| Photo: Sewer | Line | at | Pescadero | Creek |
|--------------|------|----|-----------|-------|
|              |      |    |           |       |

| Project Nu      | mber:            | 21-05                  |                           |  |  |  |  |  |
|-----------------|------------------|------------------------|---------------------------|--|--|--|--|--|
| Project Na      | me:              | Pesca                  | Pescadero Creek Area Pipe |  |  |  |  |  |
|                 |                  | Reloca                 | Relocation                |  |  |  |  |  |
| Project Loc     | ation:           | Collection System      |                           |  |  |  |  |  |
| Project Ma      | nager:           | Lather                 |                           |  |  |  |  |  |
| Status:         |                  | In Design              |                           |  |  |  |  |  |
| Project Des     | scription:       | Reloca                 | ate damaged pipe from     |  |  |  |  |  |
|                 |                  | creek slope to roadway |                           |  |  |  |  |  |
| Department:     |                  | Collections            |                           |  |  |  |  |  |
| Financial:      | Cumulative Bu    | ıdget:                 | Cumulative Spent:         |  |  |  |  |  |
| O&M             | \$1,700,000      |                        | \$83,483                  |  |  |  |  |  |
|                 | FY Budget:       |                        | FY Spent:                 |  |  |  |  |  |
|                 | \$450,000        |                        | \$83,483                  |  |  |  |  |  |
| Reclamatio      | clamation Share: |                        | 0%                        |  |  |  |  |  |
| Other Entities: |                  | N/A                    |                           |  |  |  |  |  |
| Permits Re      | -                |                        | nmental Review            |  |  |  |  |  |
| Challenges:     |                  | Narrow road, depth of  |                           |  |  |  |  |  |
|                 |                  | manhole, houses to be  |                           |  |  |  |  |  |
|                 |                  | placed                 | l on individual pumps     |  |  |  |  |  |
| Schedule:       |                  |                        | lesign, public outreach,  |  |  |  |  |  |
|                 |                  | & Envi                 | ironmental in Winter      |  |  |  |  |  |
|                 |                  | 2022/23.               |                           |  |  |  |  |  |
| Consultant      | -                |                        | Denise Duffy              |  |  |  |  |  |
| Contractor:     |                  | TBD                    |                           |  |  |  |  |  |
| L               |                  |                        |                           |  |  |  |  |  |

| LAND CANADIAN BAR-LIP  |                               |                                      | 15 (804)    | 1 Ris 1967             |                    |                     |                      |           |             |           |           |  |  |  |
|--|-------------------------------|--------------------------------------|-------------|------------------------|--------------------|---------------------|----------------------|-----------|-------------|-----------|-----------|--|--|--|
| Page Pager   |                               | 5.10                                 | 15.09       | 15.54                  | 1415               | etai                | 8971                 | 11.96     | 16.75       | 19750     | -         |  |  |  |
| 1 Canad Minakows Rynker (Cany Orm)   | 11.12                         |                                      | _           |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Antes Caresa Pechas Das Ressis     Egen Das de Careta Per Internos     Rescionen de Industrian   | 100                           | 210,88                               | 114.00      |                        |                    |                     |                      |           |             |           |           |  |  |  |
| <ol> <li>Boain Perc Browlers - Dougr to Re-</li> <li>Neurober Stock data File Scheit</li> <li>Territorit gescheit is The Boah Wang Marcel</li> </ol>         | 500                           | 200 BACLOS<br>520000                 | 100,000     |                        |                    |                     |                      |           |             |           |           |  |  |  |
| <ol> <li>Decision opposes as the tests Wang Marce</li> <li>Marin Yorks PA and Deceme Decision Wards for the in</li> <li>The European is Decision.</li> </ol> |                               | Dette                                | 87.0 000    | 10 100-000<br>1040-000 | 1-0120<br>2-0120   |                     |                      |           |             |           |           |  |  |  |
| <ul> <li>Denail Waste Down Mutabilities</li> <li>Dife La Dea 25 Belander Matab</li> </ul>  | _                             |                                      |             | -                      | Distant<br>Distant | 0,60,80<br>016,88   | Dis.in               |           |             |           |           |  |  |  |
| 12 Charles & Fan Carlos Jones in Inc.<br>13 Calmon Sciences Nyr Rowsing at an 16th   | -                             | -                                    |             |                        |                    | 118,00              | 61,000,000<br>64,000 |           |             |           |           |  |  |  |
| as Beineh Misro even abilita   | -                             |                                      |             |                        |                    |                     |                      | 14,000,00 | \$1,000,000 |           |           |  |  |  |
| 28 December 79 mentagen of the<br>December of December 79 factoring  |                               |                                      |             |                        |                    |                     |                      | 110,00    | L-100       | 3150,11   |           |  |  |  |
| 20 December State<br>27 December 2016 (Develop 4 & 4) Walter, if your<br>2016 (December 2016)  | -                             | -                                    | _           | 51548                  |                    |                     | 179.00               |           | 90.00       |           | 9.0010    |  |  |  |
| <ul> <li>Pain Explosity in view locations</li> <li>Sector Excelle Excelle Excellence Traction</li> </ul>   |                               |                                      |             |                        |                    |                     |                      | 147.00    | \$200.000   |           | \$10.10   |  |  |  |
| <ol> <li>Ke Kacilians G. Parine Kalensoni</li> <li>Downing R. K. Franzest Pari 200 System</li> <li>Solution 101</li> </ol>                                   | 0                             |                                      | 11.03.04    | 2 12 14                | 7 70 M             | 27.000.000          | 2.00.00              |           |             | 11 107 10 | 1.00.10   |  |  |  |
| TIM Gen Paring<br>MED Data   | 90                            | 15 (M)<br>12                         | 51          | 9                      |                    |                     |                      |           |             |           |           |  |  |  |
| LAND-CONT  | That                          |                                      |             | nite                   |                    | hoo                 |                      | 12,0-033  | 12,00,00    | 1,40,0    | 12.991.10 |  |  |  |
| r  | -1101                         | o: L7                                | Cu          | ρπι                    | 11 30              | nec                 | iuie                 |           |             |           |           |  |  |  |
| Project Number   | 20-06                         |                                      |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Project Name:  | Collections 15 -Year CIP      |                                      |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Project Name.<br>Project Location  |                               | Collection System                    |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Project Manage   |                               | Lather                               |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Status:  | ••                            | Work in Progress                     |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Project  |                               | Utilize updated sewer line           |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| •  |                               | •                                    |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Description:   |                               | inspection information and flow      |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
|  |                               | modeling to develop a 20-year        |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
|  | Construction Improvement Plan |                                      |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
|  |                               |                                      |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Department:  |                               | Collections                          |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Projection of  | Construction                  |                                      |             | ion                    |                    | Administration      |                      |           |             |           |           |  |  |  |
| Total Capital  | -                             |                                      | osts: \$63M |                        |                    |                     | Costs: \$10M (20%    |           |             |           |           |  |  |  |
| •  |                               | 55(5, 905)                           |             |                        |                    | -                   |                      |           |             |           |           |  |  |  |
| Costs-15-Yr  |                               |                                      |             |                        |                    | engineering, legal, |                      |           |             |           |           |  |  |  |
| \$60M  |                               |                                      |             | admin.)                |                    |                     |                      |           |             |           |           |  |  |  |
| -  |                               |                                      |             |                        |                    |                     |                      | · ·       |             |           |           |  |  |  |
| Financial:   |                               | umulative                            |             |                        |                    | Cumulative Spent:   |                      |           |             |           |           |  |  |  |
|  |                               | 15YR Budget:                         |             |                        |                    | N/A                 |                      |           |             |           |           |  |  |  |
|  |                               | ST \$63M                             |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
|  |                               |                                      |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
|  | F١                            | Y Budget:                            |             |                        |                    | FY Spent:           |                      |           |             |           |           |  |  |  |
|  |                               | I/A                                  |             |                        |                    | N/A                 |                      |           |             |           |           |  |  |  |
| Reclamation  | 1.1                           | 0%                                   |             |                        |                    | /                   |                      |           |             |           |           |  |  |  |
|  |                               | U70                                  |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Share:   |                               |                                      |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Other Entities:  |                               | River Watch-see project #20-05       |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Permits Require  | ed:                           | none                                 |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Challenges:  |                               | Need all pipeline CCTV results to be |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| -  | completed to develop plan.    |                                      |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Schedule:  | 2020 - 2040                   |                                      |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Consultants:   |                               | West Yost                            |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Contractor   |                               | N/A                                  |             |                        |                    |                     |                      |           |             |           |           |  |  |  |
| Contractor:  |                               | IN/P                                 | ۱           |                        |                    |                     |                      |           |             |           |           |  |  |  |
|  |                               |                                      |             |                        |                    |                     |                      |           |             |           |           |  |  |  |

**Collections Non-Capital Project Summaries** 

| California<br>River<br>Watch |              |  |                                    |  |
|------------------------------|--------------|--|------------------------------------|--|
|                              |              | oto: River Watc  | in logo                            |  |
| Project Nur                  | nber:        | 20-05  |                                    |  |
| Project Nan                  | ne:          | River Watch A  | Agreement                          |  |
| Project Loca                 | ation:       | Collection Sys   | tem                                |  |
| Project Mai                  | nager:       | Lather   |                                    |  |
| Status:                      |              | Work in Progr  | ess                                |  |
| Project                      |              | Work with Co   | llections to provide               |  |
| Description                  | :            | data that is ne  | eeded to satisfy the               |  |
|                              |              | milestones in the agreement with                                       |                                    |  |
|                              |              | River Watch. As of April 2022, there                                   |                                    |  |
|                              |              | are 75 remaining manholes to be  |                                    |  |
|                              |              | inspected out of 1,428 for the FY.                                     |                                    |  |
| Departmen                    |              | Collections  |                                    |  |
| Financial:                   | Cumul<br>N/A | ative Budget:  | Cumulative Spent:<br>N/A           |  |
|                              | FY Buc       | lget:  | FY Spent:                          |  |
|                              | N/A          | Γ  | N/A                                |  |
| Reclamatio                   | n            | 0%   |                                    |  |
| Share:                       |              |  |                                    |  |
| Other Entit                  | ies:         | River Watch  |                                    |  |
| Permits                      |              | none   |                                    |  |
| Required:                    |              |  | · · · · · · · (007) ()             |  |
| Challenges:                  |              |  | n television (CCTV)                |  |
|                              |              |  | scheduling deadlines. The Board    |  |
|                              |              |  | agreed to increase staffing by one |  |
|                              |              | full time equivalent (FTE) to assist in meeting the required schedule. |                                    |  |
|                              |              | U U  | extension from River               |  |
|                              |              | Watch due to   |                                    |  |
| Schedule:                    |              | Due date June  |                                    |  |
| Consultants                  | 5:           |  |                                    |  |
| Contractor:                  |              | N/A  |                                    |  |
|                              |              |  |                                    |  |

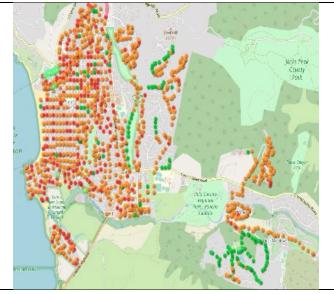


Photo: Manhole Inspection Map

| Project Number:        |           | 22-02                       |                        |
|------------------------|-----------|-----------------------------|------------------------|
| Project Name:          |           | 2022 Manhole Frame & Lid    |                        |
|                        |           | Rep                         | acement at Various     |
|                        |           | Loca                        | itions                 |
| Project Location       | n:        | Colle                       | ection System          |
| Project Manage         | er:       | Lath                        | er                     |
| Status:                |           | Bid A                       | Awarded 04/20/22       |
| Project Descrip        | tion:     | Rem                         | ove and replace 29     |
|                        |           | fram                        | nes, rings and lids at |
|                        |           | vario                       | ous locations          |
| Department:            |           | Colle                       | ections                |
| Financial:             | Cumulati  | ve                          | Cumulative Spent:      |
| 0&M                    | Budget:   |                             | \$0                    |
|                        | \$205,000 | )                           |                        |
|                        | FY Budge  | t:                          | FY Spent:              |
|                        | \$205,000 | )                           | \$0                    |
|                        |           |                             |                        |
| <b>Reclamation Sh</b>  | are:      | 0%                          |                        |
| <b>Other Entities:</b> |           | N/A                         |                        |
| Permits Require        | ed:       | none                        |                        |
| Challenges:            |           | Traffic control             |                        |
| Schedule:              |           | Com                         | plete by 10/10/2022    |
| Consultants:           |           | none                        |                        |
| Contractor:            |           | Coastal Paving & Excavating |                        |



| Photo: Manhole Inspection Map |              |             |                         |
|-------------------------------|--------------|-------------|-------------------------|
|                               |              |             |                         |
| Project Number:               |              | 21-06       |                         |
| Project Na                    | me:          | Manho       | ole Rehabilitation      |
| Project Loc                   | ation:       | Collect     | ion System              |
| Project Ma                    | nager:       | Lather      |                         |
| Status:                       |              | On Hol      | d Till Next FY22-23     |
| Project Des                   | scription:   | Line M      | anholes with a solvent- |
|                               |              | free rig    | gid polyurethane        |
|                               |              | materi      | al that seals surface   |
|                               |              | and pr      | ovides structural       |
|                               |              | integrity   |                         |
| Departmer                     | nt:          | Collections |                         |
| Financial:                    | Cumulative B | udget:      | Cumulative Spent:       |
| 0&M                           | \$150,000    |             | \$0                     |
|                               | FY Budget:   |             | FY Spent:               |
|                               | \$150,000    |             | \$0                     |
| Reclamatio                    | on Share:    | 0%          |                         |
| Other Entit                   | ies:         | N/A         |                         |
| Permits Required:             |              | none        |                         |
| Challenges:                   |              | Traffic     | control                 |
| Schedule:                     |              | Comple      | ete by 06-23            |
| Consultants:                  |              | none        |                         |
| Contractor                    | :            | TBD         |                         |



Photo: Sewer Line Repair

| Droject Number  |         | 21-02                             |                        |  |
|-----------------|---------|-----------------------------------|------------------------|--|
| Project Number: |         | -                                 |                        |  |
| Project Nan     |         | 2021 Pipeline                     |                        |  |
| Project Loca    | ation:  | Collection Sys                    | tem                    |  |
| Project Mar     | nager:  | Lather                            |                        |  |
| Status:         |         | Notice of Com                     | pletion in April       |  |
| Project         |         | Repairs to dar                    | maged sections of pipe |  |
| Description     | :       | at various loca                   | ations throughout the  |  |
|                 |         | District as not                   | ed in sewer video      |  |
|                 |         | inspections.                      |                        |  |
| Departmen       | t:      | Collections                       |                        |  |
| Financial:      | Cumul   | ative Budget:                     | Cumulative Spent:      |  |
| 0&M             | \$150,0 | 000 (FY21-22)                     | \$1,299                |  |
|                 | FY Bud  | lget:                             | FY Spent:              |  |
|                 | \$150,0 | 000 (FY21-22)                     | \$1,299                |  |
| Reclamatio      | n       | 0%                                |                        |  |
| Share:          |         |                                   |                        |  |
| Other Entiti    | ies:    | N/A                               |                        |  |
| Permits Rec     | quired: | City Encroachment                 |                        |  |
| Challenges:     |         | Traffic control in area of town,  |                        |  |
|                 |         | depth of repair.                  |                        |  |
| Schedule:       |         | Start date January 5, 2022.       |                        |  |
|                 |         | Completed on                      | April 8, 2022.         |  |
| Consultants:    |         | Pacific Engineering, geotechnical |                        |  |
| Contractor:     |         | Rooter King                       |                        |  |

**Assessment Districts/Annexations** 

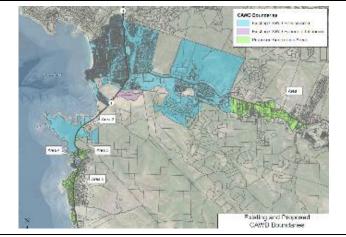
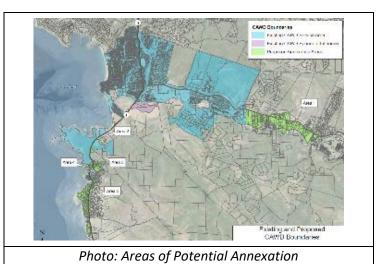


Photo: Areas of Potential Annexation

| Project Number: |        | 19-09                        |                                       |  |
|-----------------|--------|------------------------------|---------------------------------------|--|
| Project Name:   |        | 2021CAWD S                   | phere of Influence                    |  |
|                 |        | (SOI) Amendr                 | ment & Annexation                     |  |
|                 |        | Proposal                     |                                       |  |
| Project Loo     | ation: | Collection Sys               | tem                                   |  |
| Project Ma      | nager: | Lather                       |                                       |  |
| Status:         |        | In process of a              | obtaining Coastal                     |  |
|                 |        | Development                  | Permit Amendment                      |  |
|                 |        | for annexation               | ns in Coastal Zone                    |  |
| Project         |        | The project w                | ill provide access for                |  |
| Description     | n:     | homes and bu                 | isinesses currently on                |  |
|                 |        | septic system                | s and add 350 new                     |  |
|                 |        |                              | connections to the District at build- |  |
|                 |        | out.                         |                                       |  |
|                 |        |                              |                                       |  |
| Departme        | 1      | Collections                  |                                       |  |
| Financial:      |        | ative Budget:                | Cumulative Spent:                     |  |
|                 |        | 00 (55K+50K)                 | \$73,675                              |  |
|                 | FY Bud | get:                         | FY Spent:                             |  |
|                 | \$0    |                              | \$17,230                              |  |
|                 | -      |                              | ation b/c costs will be               |  |
|                 | hrough | annexation fee               |                                       |  |
| Permits         |        |                              | al Review, Local Agency               |  |
| Required:       |        | Formation Commission (LAFCO) |                                       |  |
|                 |        | Annexation A                 | pproval                               |  |
| Challenges:     |        |                              |                                       |  |
| Schedule:       |        | Waiting for S                | tate Board of                         |  |
|                 |        | Equalization                 |                                       |  |
| Consultant      | ::     | Denise Duffy & Associates    |                                       |  |



|   | FIIOLO. I  |   |  |  |
|---|--|---|--|--|
|   |  |   |  |  |
| Project Number:   |  | 18-21   |  |  |
| Project Name:   |  | Corona Road<br>District   | Sewer Assessment                           |  |
| Project Loc   | ation:   | Collection Sys  | tem  |  |
| Project Ma  | nager:   | Lather  |  |  |
| Status: In process of completing an<br>Assessment Engineer's report, Co<br>Permit application and environme<br>documents. |  | ngineer's report, Coastal   |  |  |
| Description: t  |  | The project will provide sewer facilities<br>to the Corona Road neighborhood and<br>parcels on the west side of Highway 1,<br>across from Corona Road. #18-21<br>Corona Road (Deferred Revenue) |  |  |
| Departmer   | nt:  | Collections   |  |  |
| Financial:  | I: Cumulative Budget:<br>\$67,000<br>FY Budget:<br>\$0 |   | Cumulative Spent:<br>\$<br>FY Spent:<br>\$ |  |
| ** No Budget included for project because the initial costs<br>were funded by Corona Road residents.                      |  |   |  |  |

were funded by Corona Road residents.

Permits

Required:

Coastal Permit, CalTrans Encroachment
permit, Environmental Review

| 1 clinics   | coustair ennie, carrais Encroaciment |  |  |
|-------------|--------------------------------------|--|--|
| Required:   | permit, Environmental Review         |  |  |
| Challenges: | Assessment District process/approval |  |  |
|             | and obtaining easements for pump     |  |  |
|             | station. Funds from homeowners in    |  |  |
|             | the amount of \$67K have been        |  |  |
|             | received by CAWD.                    |  |  |
| Schedule:   | Complete studies July/August 2022,   |  |  |
|             | Assessment District proceeding       |  |  |
|             | September                            |  |  |
|             |                                      |  |  |
| Consultant: | Denise Duffy & Associates and        |  |  |
|             | Monterey Bay Engineers               |  |  |
|             |                                      |  |  |



Photo: Entrance to Carmel Valley Manor

| Project Number:       | 19-08                                |                  |  |
|-----------------------|--------------------------------------|------------------|--|
| Project Name:         | Carmel Valley Manor Pipeline and     |                  |  |
|                       | Pump Station                         |                  |  |
| Project Location:     | Collection System                    |                  |  |
| Project Manager:      | Lather                               |                  |  |
| Status:               | Re-Design by Prop                    | perty Owner in   |  |
|                       | Progress                             |                  |  |
| Project               | Sewer extension p                    | •                |  |
| Description:          | • •                                  | owners of Carmel |  |
|                       | •                                    | onnect to CAWD's |  |
|                       | sewer system. Rile                   | •                |  |
|                       | Carmel Valley Ma                     | nor (Deferred    |  |
|                       | Revenue).                            |                  |  |
| Department:           | Collections                          |                  |  |
| Financial: this is an | Cumulative                           | Cumulative       |  |
| unbudgeted item-      | Budget:                              | Spent:           |  |
| under repayment       | \$0                                  | \$180            |  |
| agreement             | FY Budget:                           | FY Spent:        |  |
|                       | \$0                                  | \$180            |  |
| Other Entities:       | The prospect of a pipeline has given |                  |  |
|                       | rise to a plethora                   | •                |  |
|                       | additional connec                    |                  |  |
| Permits Required:     | County Encroachr                     | •                |  |
|                       | Environmental Re                     |                  |  |
| Challenges:           | Funding, Repayme                     | -                |  |
|                       | easement agreem                      | ients LAFCO      |  |
|                       | annexation                           |                  |  |
| Schedule:             | Approved without protest at          |                  |  |
|                       | 3/22/21 LAFCO h                      |                  |  |
| Consultants:          | MNS and Rincon a                     | -                |  |
|                       | Carmel Valley Ma                     | •                |  |
|                       | design the project                   | Ι.               |  |
| Contractor:           | N/A                                  |                  |  |

**Other Non-Capital Project Summaries** 



# **ADP Workforce Now**

| Photo: ADP Clip Art |             |                                   |                             |  |
|---------------------|-------------|-----------------------------------|-----------------------------|--|
| Project Number:     |             | Ν/Α                               |                             |  |
| Project Name:       |             | Workforce N                       | low                         |  |
| Project Loc         |             | All Superviso                     |                             |  |
| Project Ma          | nagor:      | Foley                             |                             |  |
| Status:             | nager.      | Implementa                        | tion                        |  |
|                     |             |                                   |                             |  |
| Project             |             | Implementa                        |                             |  |
| Description         | 1:          | •                                 | ive Human Resource          |  |
|                     |             | . ,                               | e database for all          |  |
|                     |             | supervisors and employees to      |                             |  |
|                     |             | utilize. Modules provide employee |                             |  |
|                     |             | development tracking, benefits    |                             |  |
|                     |             | administration, custom            |                             |  |
|                     |             | performance review templates, and |                             |  |
|                     |             | employee goal management.         |                             |  |
| Departmer           | nt:         | Administration                    |                             |  |
| Financial:          | Cumula      | tive Budget:                      | Cumulative Spent:           |  |
|                     | \$0         |                                   | \$2,520 (annual fee)        |  |
|                     | FY Budg     | et:                               | FY Spent:                   |  |
|                     | \$0         |                                   | \$2,520 (annual fee)        |  |
| Challenges          | Challenges: |                                   | Technical issues need to be |  |
|                     |             | resolved & employee training      |                             |  |
| Schedule:           |             | Anticipate in                     | nplementation in the        |  |
|                     |             | Summer 2022                       |                             |  |
| Consultant          | s:          | ADP                               |                             |  |



| Photo: Handshake |            |                 | ake                   |  |
|------------------|------------|-----------------|-----------------------|--|
|                  |            | NI / A          |                       |  |
| Project Nun      |            | N/A             |                       |  |
| Project Nan      | ne:        | Employee (      | Contract Negotiations |  |
| Project Loca     | ation:     | Administrat     | tion                  |  |
| Project Mar      | nager:     | Barbara Bu      | ikema                 |  |
| Status:          |            | In Progress     |                       |  |
| Project          |            | Bi-annual n     | egotiations with      |  |
| Description      | :          | Employee Groups |                       |  |
|                  |            |                 |                       |  |
| Departmen        | t:         | Administration  |                       |  |
| Financial:       | Cumulat    | ive Budget:     | Cumulative Spent:     |  |
|                  | \$0        |                 | \$0                   |  |
|                  | FY Budget: |                 | FY Spent:             |  |
|                  | \$0        |                 | \$0                   |  |
| Schedule:        |            | Must be co      | mplete by 06-30-22 or |  |
|                  |            | earlier         |                       |  |
| Consultants:     |            | None            |                       |  |



| Photo: Real Estate Clip Art |          |  |                          |
|-----------------------------|----------|--|--------------------------|
|                             |          |  |                          |
| Project Nu                  | mber:    | N/A                                    |                          |
| Project Nar                 | me:      | Real Propert                           | y Investigation          |
| Project Loc                 | ation:   | Carmel Valle                           | у                        |
| Project Ma                  | nager:   | Barbara Buik                           | ema                      |
| Status:                     |          | Evaluation in                          | n Progress               |
| Project                     |          | An investigat                          | tion of a possible new   |
| Description                 | n:       | treatment fa                           | cility site in the mouth |
|                             |          | of the Carme                           | el Valley, which is in   |
|                             |          | response to the Coastal Commission     |                          |
|                             |          | requirement to move facilities         |                          |
|                             |          | within 30 years.                       |                          |
| Departmen                   | it:      | Administration                         |                          |
| Financial:                  |          | ive Budget:                            | Cumulative Spent:        |
|                             | \$75,000 |  | \$0                      |
|                             | FY Budge | et:                                    | FY Spent:                |
|                             | \$75,000 |  | \$0                      |
| Permits Required:           |          | None – at this time                    |                          |
| Challenges:                 |          | Limited land possibilities, regulatory |                          |
|                             |          | hurdles, and                           | zoning                   |
| Schedule:                   |          | 12 months                              |                          |
| Consultant                  | s:       | Mahoney &                              | Associates               |



Photo: Cyber Security Clip Art

Т

| Project Number:    |        | N/A                             |                    |
|--------------------|--------|---------------------------------|--------------------|
| Project Name:      |        | Cyber Securit                   | У                  |
| Project Location:  |        | District-wide                   |                    |
| Project Manager:   |        | Chris Foley                     |                    |
| Status:            |        | Ongoing                         |                    |
| Project Descriptio | n:     | Internal Cybe                   | r Security         |
|                    |        | Incident Resp                   | onse Team          |
|                    |        | (CSIRT) forme                   | ed, and they are   |
|                    |        | working on a                    | response plan &    |
|                    |        | training. The                   | upgrades to        |
|                    |        | email filtering system have     |                    |
|                    |        | been completed. Stricter        |                    |
|                    |        | geofencing policies have been   |                    |
|                    |        | put in place, and a cold backup |                    |
|                    |        | system that is sandboxed from   |                    |
|                    |        | the network was                 |                    |
|                    |        | installed Mar                   | rch 2022.          |
| Department:        |        | All                             |                    |
| Financial:         | Cumu   | ılative                         | Cumulative         |
|                    | Budg   | et:                             | Spent:             |
|                    | \$17,0 | 00                              | \$0                |
|                    | FY Bu  |                                 | FY Spent:          |
| \$17,0             |        | 00                              | \$0                |
| Challenges:        |        | Ongoing train                   | ing & the need     |
|                    |        | for continual                   | upgrades as skills |
|                    |        | of hackers grow.                |                    |
| Schedule:          |        | Continually updating            |                    |
| Consultant:        |        | Exceedio                        |                    |

| Photo: Six Sigma Clip Art |         |                                      |                   |  |  |  |  |  |
|---------------------------|---------|--------------------------------------|-------------------|--|--|--|--|--|
| Project Nu                | mber:   | N/A                                  |                   |  |  |  |  |  |
| Project Na                |         | Lean Six Sig                         | ma                |  |  |  |  |  |
| Project Loc               | ation:  | Managemer                            | nt staff          |  |  |  |  |  |
| Project Ma                | nager:  | Barbara Buikema                      |                   |  |  |  |  |  |
| Status:                   |         | Green Belt Level Training &          |                   |  |  |  |  |  |
|                           |         | Certification                        |                   |  |  |  |  |  |
| Project                   |         | Currently all managers have been     |                   |  |  |  |  |  |
| Description               | า:      | assigned the task of earning a       |                   |  |  |  |  |  |
|                           |         | Green Belt certification. A couple   |                   |  |  |  |  |  |
|                           |         | of staff members will be moving on   |                   |  |  |  |  |  |
|                           |         | to the Black Belt self-study course. |                   |  |  |  |  |  |
|                           |         | Also, will investigate an in-person  |                   |  |  |  |  |  |
|                           |         | trainer for the implementation of a  |                   |  |  |  |  |  |
|                           |         | specific agreed upon project.        |                   |  |  |  |  |  |
| Departmer                 | nt:     | Administrat                          |                   |  |  |  |  |  |
| Financial:                |         | tive Budget:                         | Cumulative Spent: |  |  |  |  |  |
|                           | \$0     | U                                    | \$2,000           |  |  |  |  |  |
|                           | FY Budg | et:                                  | FY Spent:         |  |  |  |  |  |
|                           | \$0     |                                      | \$2,000           |  |  |  |  |  |
| Permits Re                |         | None                                 |                   |  |  |  |  |  |
| Challenges                | -       | Implementa                           | tion phase        |  |  |  |  |  |
| Schedule:                 |         | Ongoing                              | · ·               |  |  |  |  |  |
| Consultant                | s:      | Self-study o                         | nline             |  |  |  |  |  |
| Trainer:                  |         | To be determined                     |                   |  |  |  |  |  |
|                           |         |                                      |                   |  |  |  |  |  |



Photo: California coastline

Т

| Project Nu  | mber:    | 22-01                               |                      |  |  |  |  |  |
|-------------|----------|-------------------------------------|----------------------|--|--|--|--|--|
| Project Na  | me:      | Long-Term Sea Level Rise Planning   |                      |  |  |  |  |  |
| Project Loc | cation:  | Treatment Plan                      | t                    |  |  |  |  |  |
| Project Ma  | nager:   | Barbara Buikem                      | na/Patrick Treanor   |  |  |  |  |  |
| Status:     |          | In Progress                         |                      |  |  |  |  |  |
| Project     |          | As conditions of                    | f Coastal Permit #3- |  |  |  |  |  |
| Description | n:       | 82-199-A8 - the                     | District submitted   |  |  |  |  |  |
|             |          | its Long-Term C                     | oastal Hazards Plan  |  |  |  |  |  |
|             |          | on 03-03-22. B                      | ringing a            |  |  |  |  |  |
|             |          | Wastewater Tre                      | eatment Plant        |  |  |  |  |  |
|             |          | Alternatives Pla                    | nning Assistance     |  |  |  |  |  |
|             |          | consultant services contract to the |                      |  |  |  |  |  |
|             |          | Board in May 2022.                  |                      |  |  |  |  |  |
|             |          |                                     |                      |  |  |  |  |  |
| Departmen   | nt:      | Administration                      |                      |  |  |  |  |  |
| Financial:  | Cumula   | tive Budget:                        | Cumulative Spent:    |  |  |  |  |  |
|             | \$1,400, | 00                                  | \$0                  |  |  |  |  |  |
|             | FY Budg  | get:                                | FY Spent:            |  |  |  |  |  |
|             | \$250,00 | 00                                  | \$0                  |  |  |  |  |  |
| Permits Re  | quired:  | In response to California Coastal   |                      |  |  |  |  |  |
|             |          | Commission                          |                      |  |  |  |  |  |
| Challenges  | ::       | Establishing focus on long term     |                      |  |  |  |  |  |
|             |          | objectives and o                    | committing to follow |  |  |  |  |  |
|             |          | through items.                      |                      |  |  |  |  |  |
| Schedule:   |          | WWTP Relocati                       | on Alternatives on   |  |  |  |  |  |
|             |          | May 2022 agen                       | da                   |  |  |  |  |  |
| Consultant  | s:       | Greeley & Hansen                    |                      |  |  |  |  |  |

# STAFF REPORT

To: Board of Directors

From: Ed Waggoner, Operations Superintendent

Date: May 26, 2022

Subject: Monthly Operations Report – April 2022

#### RECOMMENDATION

Receive Report- Informational only; no action required.

#### DISCUSSION

#### **Plant Operation**

### Treatment Plant:

- The treatment plant operations staff has continued finishing projects and concentrating on Preventative Maintenance Work Orders during the month of April. This included the implementation of the Operations Flood Preparation Standard Operating Procedures from the Plant Engineer.
- <u>(Project #18-05)</u> Programmable Logic Controller/Supervisory Control and Data Acquisition (PLC/SCADA). Operations staff has been meeting and working with Maintenance and Frisch Engineering on the upgrades and programming of the PLC/SCADA System.
- Software upgrade on blowers B211 and B213 performed by Blower Compressor Vacuum Systems (BCV) from April 18<sup>th</sup> thru April 22<sup>nd</sup>. BCV worked with Operations and Maintenance Staff while installing the software upgrade. This software upgrade is designed to allow the aeration system to run as efficiently as possible while maintaining proper dissolved oxygen levels in the aeration basins.

#### **Reclamation:**

- Staff continued preventative maintenance work on pumps, motors, and any equipment that needs maintenance for the Microfiltration and Reverse Osmosis Systems.
- Staff completed Clean-in-Place (CIP) cleans on Microfiltration (MF) Cells 1, 2 and 3. All cells cleaned successfully with Trans Membrane Pressures (TMPs) pressures ranging between 1.8 to 6.5 pounds per square inch (psi).



• Forest Lake Reservoir was at capacity on April 22. The Reclamation Facility was offline for three days before restarting and sending flow the early morning of April 25th.

# <u>Training:</u>

- Operator Charles DayEngel attended Qualified Low Voltage Electrical Worker Training on April 12 in Fremont. Operations' long term plan is to send all Operators to this training during the next fiscal budget year.
- During the month of April 28, Ray DeOcampo and Kevin Young attended Fats Oil and Grease (FOG) Abatement Training instructed by the Western States Alliance in San Luis Obispo.
- Staff continues to complete online training at the treatment facility from Target Solutions as Carmel Area Wastewater District (CAWD) implements its new safety policies for the Exposure Control Plan updates for the COVID-19 virus.
- Staff continues to participate in scheduled tailgate safety meetings in the digester building conference room.

### Capital Improvement:

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

# Meetings Attended

- April 1, 2022, Operations staff attended a conference call with Trussell Technologies on reviewing the operational performance of the Microfiltration and Reverse Osmosis Systems.
- April 4, Attended a Teams Meeting with Enersponse Incorporated on Pacific Gas and Electric Demand Response Program.
- On April 5, attended an in-person Oversite Committee meeting, which included Carmel Area Wastewater District, the Golf Course Superintendents at the Pebble Beach Community Service District Offices for the Wastewater Reclamation Project.
- On April 6, attended a Zoom meeting with BCV for the new blower control software program upcoming installation.

• (Project #18-01) Attended a Teams Meeting on the construction progress of the Electrical/Mechanical Rehabilitation and Sludge Holding Tank Replacement Project for the following areas: Influent Pump Station, Headworks, Blower Building, Chlorination/Dechlorination Building, Effluent Building, Digester No. 1, Digester No. 1 Control Building and Dewatering Building.

### **Discharge Permit Violations**

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

### FUNDING

N/A-Informational item only

# STAFF REPORT

To: Board of Directors

From: Chris Foley, Maintenance Superintendent

Date: May 26, 2022

Subject: Monthly Maintenance Report – April 2022

#### RECOMMENDATION

Receive Report- Informational only; no action required.

#### DISCUSSION

#### Maintenance Projects in Progress/Completed

- Staff had a kickoff meeting with Handshake Networking and Exceedio to discuss parameters for network intrusion testing. The process will begin on May 23<sup>rd</sup> and last at least 8 weeks. Handshake will work with Exceedio to correct any vulnerabilities and improve the system.
- The new gas compressor arrived, and installation is in progress. The updated electrical has been installed by Bryan Mailey Electric and improvements were made to the system to minimize corrosion by relocating some components inside while still adhering to lockout tagout code requirements. Startup of the compressor is scheduled for late May.
- Mathews Mechanical was brought back for 1 additional week to complete safety eyewash upgrades and complete treatment plant preventive maintenance work orders. The eyewash upgrade included new flow alarms and replacement of corroded eyewashes.
- Blower Vacuum Compressor System completed the programming update of the aeration basin and blowers. The programming was a success and is providing the required control of the system. The excess air when aeration basin demand is low is sent to the secondary distribution box (Dbox). The improved programming and tuning has successfully reduced the excess air by turning down the blower output, which saves energy and minimal excess air is then sent to the Dbox.



#### Upcoming Maintenance Projects

• Replacement of sulfuric acid pressure relief valves is scheduled for May. Safety, Maintenance, Operations and Engineering staff has been working on a collaborative solution to improve safety and communication when performing high risk maintenance activities. The plant engineer suggested Carmel Area Wastewater District implement a System Outage Request (SOR) program that will provide the framework required to formalize planning and safety of high-risk activities. The sulfuric valve replacement will be the first test of this new approach.

### Staff Development

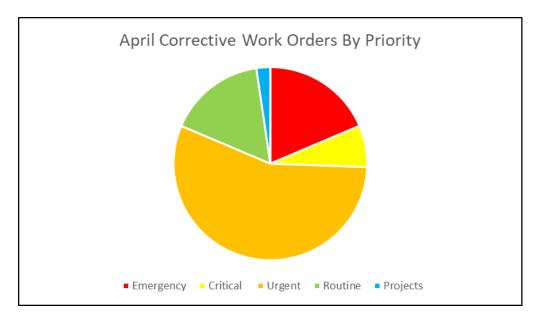
- Maintenance and Collections staff has reviewed the applications for the Maintenance and Collections Utility Worker Position and is coordinating the hiring process with the Human Resources Consultant.
- Work continues on updating the schedule of training for safety and skills when onboarding new staff. This centralized approach is customized for each job class versus the previous distributed approach. The new approach will ensure there are no gaps in training and make it easier to find training records.

#### **Work Order Metrics**

#### **Preventive Maintenance**

| Total Work Orders Generated         | 609    |
|-------------------------------------|--------|
| Total Work Orders Closed/Done       | 592    |
| Total Work Orders Still Open        | 17     |
| Percentage of Work Orders Completed | 97.21% |

#### **Corrective Maintenance**



| Emergency | 8  |
|-----------|----|
| Critical  | 3  |
| Urgent    | 24 |
| Routine   | 7  |
| Projects  | 1  |

# **FUNDING** N/A- Informational item only

# Resolutions

# **STAFF REPORT**



To: Board of Directors

From: Patrick Treanor, Plant Engineer

Date: May 26, 2022

Subject: Project #22-01 – Long-Term Sea Level Rise Planning – Wastewater Treatment Plant (WWTP) Relocation Alternatives Planning – Greeley and Hansen

### RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution authorizing the General Manager to execute a Professional Services Agreement with Greeley and Hansen for an alternatives analysis study for potential future relocation of the WWTP due to sea level rise. The study would be prepared for a not to exceed price of \$251,705.09.

### DISCUSSION

On March 2<sup>nd</sup> Carmel Area Wastewater District (CAWD) submitted a Long-Term Coastal Hazards Planning Roadmap to the Coastal Commission as required in Special Condition 9 of the WWTP Coastal Development Permit. Before submittal to the Coastal Commission the report was presented to the CAWD Sea Level Rise Committee.

The planning roadmap submitted to the Coastal Commission commits CAWD to completing a wide range of studies. Per Special Condition 9 of the WWTP Coastal Development Permit, CAWD must "address the specific manner in which the Permittee intends to plan, develop, consider, and implement a long-term solution to address flooding and related coastal hazards threats to the WWTP (including as these threats may be exacerbated by climate change) in a manner with the least amount of coastal resource impacts... The Plan shall at a minimum identify capital costs, long-term life-cycle cost analyses, wastewater rate effects, environmental analysis, land use analysis, and impacts to current water resources and water recycling activities for a range of alternatives, including adaptation in place, relocation of the WWTP away from coastal hazards, consolidation with Monterey One Water, and other potential alternatives."

This relocation alternatives study will develop conceptual designs for relocation of the WWTP to lower Carmel Valley, and will also develop a novel alternative approach which would involve about 5 small "package plants" that could provide decentralized wastewater treatment in the CAWD service area.

The current effort will develop conceptual details for these wastewater treatment relocation alternatives. Architectural renderings of potential future facilities (useful for public outreach) are included as an optional task that could be authorized later under the contracted agreement with Greeley and Hansen.

The current effort is just a start to what will be a decades long planning effort aimed at better positioning CAWD's critical infrastructure for potential future climate change hazards. Many unforeseen challenges will emerge during the planning process, and a simple path to a solution is not clear at this time. Ongoing studies of alternatives will support CAWD in finding the best path forward.

The proposal from Greeley and Hansen is attached.

# FUNDING

The CAWD O&M Budget for Treatment and Disposal includes \$300,000 in FY21/22 for engineering studies related to sea level rise planning (Acct 5500.006).

# Attachment:

1. Proposal – Greeley and Hansen

# **CARMEL AREA WASTEWATER DISTRICT**



WWTP RELOCATION ALTERNATIVES PLANNING ASSISTANCE

April, 2022



# INTRODUCTION

Thank you for the opportunity to provide this proposal in response to your request for Greeley and Hansen to provide the Carmel Area Wastewater District (CAWD) with a Proposal to perform Consulting Engineering Services on an Alternatives Analysis to relocate the Wastewater Treatment Plant (WWTP) due to climate change and sea level rise. Based on our conversations with you, it is our understanding that the goal of this project is to develop plant relocation concepts for the CAWD WWTP. The benefits of this project will be development of concepts for the future, using the most advanced technologies to serve the local community and accomplish resources recovery(such as water, biosolids and energy).

# BACKGROUND

The CAWD Wastewater Treatment Plant is a 3.0 million gallons per day (MGD) average annual permitted discharge flow facility that uses activated sludge for secondary treatment. The WPCP treats predominantly domestic wastewater. Current average dry weather flow (ADWF) is approximately 1.2 MGD which represents 40% of the permitted capacity. CAWD has an agreement with the Pebble Beach Community Services District (PBCSD) whereby PBCSD has access rights to one-third of the CAWD's WWTP capacity. Of the 1.2 MGD ADWF, approximately 0.8 MGD (67%) is from CAWD and 0.4 MGD from PBCSD (33%).

Currently CAWD is preparing a WWTP long-term coastal hazards planning roadmap, which includes alternatives analysis of relocating the WWTP to address sea level rise for the next 40 years. The option to relocate the WWTP is the subject of this proposal.

The modeling presented by CAWD in the 2018 Sea Level Rise Study indicated that the worst-case estimate of the timeline for major impacts to WWTP operations could be 60 years in the future (around 2080). At that time the greatest effects would occur during extreme precipitation events that have a low probability of occurring in any given year. While the modeling indicates a timeline of 60-years before major impacts, to be conservative CAWD proposes a plan that will work towards achieving hazard mitigation in 40-years. CAWD proposed a three phase effort to plan and implement the ultimate solution as shown below. This is a simplified framework that will need to be re-evaluated at 5-year intervals based on new information as it arises from ongoing coastal hazards monitoring and/or planning efforts.

Planning for a major infrastructure project such as moving a wastewater treatment plant is a complex endeavor. Therefore, feasibility and concept development is the focus for this study.

CAWD would like to evaluate options for continuing to provide wastewater treatment and recycled water to the constituents with facilities located within the immediate geographic area of the Carmel River watershed. This approach is an opportunity to develop next generation infrastructure local to the community. The proposed feasibility study will develop conceptual plans of new WWTP treatment infrastructure alternatives for centralized and decentralized concepts. Furthermore, CAWD intends to conduct ongoing Real Property Investigations to identify and potentially secure land for future development. Visual Aesthetics of new facilities for Public Outreach is an important part of this study.

The vision is to go from Wastewater Treatment Plant (WWTP) to Water Resource Recovery Facility (WRRF). The proposed tasks to respond to CAWD's inquiry are listed in the following scope of services.



# **PROPOSED SCOPE OF SERVICES**

# Task 1 - Data Collection

Under this Task Greeley and Hansen will review existing Monthly Operating Report (MOR) data (or similar) for the existing WWTP and as-built information. WWTP data of interest includes influent flows and loads, existing permits, etc. A data request will be submitted by Greeley and Hansen to CAWD for this information. It is anticipated that the three most recent years of MOR data would be sufficient for modeling purposes.

#### Key Deliverables:

- Data request letter (via email)
- Data review summary in PDF format

#### Schedule:

- Data request within 5 days of Notice to Proceed
- Data review summary within 3 weeks of receipt of available data

# Task 2 – Centralized Wastewater Treatment Plant Conceptual Design

#### Task 2.1 – Conceptual Design of Proposed Wastewater and Treated Water Conveyance Systems

This Task includes development of one alternative for the conceptual design of proposed wastewater and treated water conveyance systems for the new Centralized Wastewater Treatment Plant (described in Task 2.2). The major components of the wastewater conveyance system will include conceptual layout and sizing for major components:

- Siting of a new main wastewater pump station away from flood hazards and collection system reconfiguration to route sanitary sewers to new pump station location. The new main pump station would be near the existing WWTP, but would be located outside of the immediate floodplain as much as possible
- Conveyance Piping between Pumping Station and New Water Resource Recovery Facility (WRRF) Location (site located at Carmel Valley Road and Canada Way)
- Wastewater Treatment Plant (further described in Task 2.2)
- Brine Discharge Piping/Outfall
- Connection Piping to existing Recycled Water Transmission Line

#### Key Deliverables:

- Draft and Final Technical Memorandum of Conceptual Design of Proposed Wastewater and Treated Water Conveyance in PDF format
- Conceptual Pipe alignment maps with pipe sizes in PDF format

#### Schedule:

• 4 weeks delivery of task

#### Task 2.2 – Conceptual Design of Centralized WRRF

This Task includes the conceptual design and evaluation of a state-of-the-art centralized WRRF located at Carmel Valley Road and Canada Way. Two flow scenarios will be used to determine the appropriate sizing of WRRF:

- CAWD + Pebble Beach Community Services District (PBCSD) Flows
  - 1.2 million gallons per day (MGD) Average Dry Weather Flow (ADWF)/3.6 MGD Average Wet Weather Flow (AWWF) (expandable to 1.5 MGD ADWF)
- CAWD Flow
  - 0.8 MGD ADWF/2.4 MGD AWWF (expandable to 1.1 MGD ADWF)

Under each flow scenario, it will be assumed that at least 90% of the water will be recycled for either irrigation at Pebble Beach Golf courses or potable reuse/river supply water (i.e., injection in the Carmel Valley Alluvial Aquifer). Brine discharge is anticipated to remain through CAWD's existing outfall. The major components of the conceptual design of a new Centralized WRRF will include at a minimum:

- Headworks
- Review/discussion of at least 2 different approaches for the primary and secondary biological treatment process and
  recommendation of the preferred process that will be used in the Conceptual Design. It is assumed that Membrane
  Bioreactor technology will be part of one of the 2 processes reviewed
- Tertiary Pretreatment and Reverse Osmosis treatment with at least 90% recovery
- Biosolids Treatment (digestion/dewatering) with methane capture renewable energy component (microturbines) and waste gas burner. Dewatered solids will be trucked to offsite disposal
- Advanced Disinfection treatment steps for Recycled Water Stream to achieve Potable Reuse standards
- Treatment of Ocean Effluent/Brine Waste Stream prior to disposal (disinfection step)
- Centralized Power Distribution Equipment and Standby Power Generator

One alternative (1) will be evaluated to manage biosolids as part of the processes. It will include centralized biosolids treatment process for the option of a centralized WRRFS' approach. Currently, the CAWD WWTP uses a belt filter press or a screw press to dewater digested sludge. The dewatered sludge is hauled by truck to Kern County where it is used as a compost amendment for non-food crops. It is assumed that the same sludge management concept applies to the plant. It will be evaluated Biosolids Treatment (digestion/dewatering) with methane capture renewable energy component (microturbines) and waste gas burner. Dewatered solids will be trucked to offsite disposal.

Conceptual design shall include buildings to house new treatment facilities as necessary to mitigate visual impacts and blend into the architectural style developed in Task 2.3., and will be reflected in the technical memorandum, including conceptual site plan and process flow diagram.

#### Key Deliverables:

- Technical Memorandum of Conceptual Design of Centralized WRRF (including Task 2.1 Conveyance infrastructure). Total
  summary of concepts of conveyance and treatment shall be provided for conveyance and treatment infrastructure. (draft and
  final) in PDF format
- Conceptual Site Plan for the two (2) alternatives in PDF format
- Process Flow Diagrams for each of the two (2) alternatives in PDF format

#### Schedule:

• 6 weeks delivery of task

#### Task 2.3 – Centralized WRRF Architectural Approach and Renderings (OPTIONAL TASK)

Visual impacts associated with a WRRF need to be mitigated by design of the facility to blend into the surrounding Carmel Valley community. Develop conceptual 3D architectural renderings to visualize the style and character of the new facilities. Buildings will have a barn style that melds modern and rustic stylistics elements, and landscape will resemble a ranch located in an oak woodland environment. The 3D architectural renderings will only be developed for the CAWD + Pebble Beach Community Services District (PBCSD) Flows

#### Key Deliverables:

• Technical Memorandum of WRRF Architectural Style, including three (3) Architectural 3D renderings in PDF format.

#### Schedule:

• 4 weeks delivery of task

#### Task 2.4 – Centralized WRRF Opinion of Probable Construction Cost (OPCC)

Conceptual level OPCC will be developed at a Class 4 level for system rehabilitation per the Association for the Advancement of Cost Engineering (AACE) International standard for the alternatives described in Task 2 and included in the respective Technical Memoranda (Tasks 2.1 through 2.3) and Report (Task 2.5). This class represents a "study or feasibility" maturity level and has an expected accuracy range of -15% to -30% and +20% to +50%.

#### Key Deliverables:

• Class 4 Level OPCCs for Each Conceptual Design Component in PDF format

#### Schedule:

Provided with each Technical Memorandum and Report deliverable

#### Task 2.5 – Conceptual Centralized WRRF Report

This task includes development of a Conceptual Centralized WRRF Report which summarizes the proposed wastewater and treated water conveyance systems; conceptual design of a Centralized WRRF; and Centralized WRRF architectural approach Tasks 2.1 through 2.3). The Report shall include an Executive Summary that describes the report contents in a condensed section. Report shall be submitted to the County in electronic format.

#### Key Deliverables:

• Report (including Executive Summary) of Centralized biosolids treatment approach evaluation in PDF format

#### Schedule:

• 3 weeks delivery of task

# Task 3 – Decentralized Wastewater Treatment Plants Conceptual Design

#### Task 3.1 – Determine Sub-Basins within CAWD Collection System for Locations of Decentralized Facilities

Review CAWD service area and develop a general sub basin delineation for multiple satellite treatment facilities with capacity of about 0.25 MGD ADWF. Approximately 5 sub basins within the District boundaries should be assumed generally as follows. CAWD will assist with GIS data on flow load in each basin:

- Carmel By the Sea
- Carmel Point
- Carmel Unincorporated South of Carmel River
- Rio Rd & Area East of Hwy 1
- Carmel Highlands

The CAWD will provide collection system maps that will highlight the areas above.

#### Key Deliverables:

- Technical Memorandum of Conceptual Design of Proposed Collection System for Locations of Decentralized Facilities PDF format
- Map showing each sub basin selected and approximation of flows to be treated in each sub basin. Resizing of sub basin boundaries as necessary to keep flows within about 0.25 MGD in PDF format.
- Conceptual Diagram of the system in PDF format

#### Schedule:

• 5 weeks delivery of task

#### Task 3.2 - Evaluation of Biosolids Treatment for Decentralized Approach

One (1) alternative will be evaluated to manage biosolids as part of the processes. It will include centralized biosolids treatment process for the option of a decentralized WRRFS' approach. Currently, the CAWD WWTP uses a belt filter press or a screw press to dewater digested sludge. The dewatered sludge is hauled by truck to Kern County where it is used as a compost amendment for non-food crops. It is assumed that the same sludge management concept applies to the plant. A centralized biosolids treatment facility at one of the satellite facilities to handle all the biosolids with evaluation of transport by either truck or pipelines will be considered.

#### Key Deliverables:

• Technical Memorandum of Conceptual Design of decentralized biosolids treatment approach evaluation in PDF format

#### Schedule:

• 3 weeks delivery of task

#### Task 3.3 - Conceptual Design of Decentralized WRRFs

A satellite package treatment plant option consisting of multiple small treatment facilities will be evaluated during this task. One flow scenario will be used to determine the appropriate sizing and number of satellite package treatment plants:

- CAWD Flow
  - 0.8 MGD ADWF/2.4 MGD AWWF

The size of each treatment plant is projected to be approximately 0.25 MGD dry weather flow and placed in multiple small locations about the Carmel Area. Each site is projected to be under one (1) acre in area. Specific locations of each decentralized plant will not be defined as part of this Task, however general sub-basins will be defined within the collection system that each individual satellite plant will serve (see Task 3.1). As with the centralized WRRF options (Task 2), it will be assumed 90% recycle of water for either irrigation or potable reuse/river supply water (i.e., injection in the Carmel Valley Alluvial Aquifer). Brine discharge is anticipated remain through CAWD's existing outfall. Components to include in the decentralized WRRF conceptual design includes:

- Conceptual overview of New Conveyance Pipelines needed for each location to connect to Brine Discharge Outfall, Recycled Water Transmission Piping, and Biosolids Conveyance Piping (if applicable)
- Small footprint MBR facility with 90% recycling capability
- Electrical equipment including Standby Power

#### Key Deliverables:

• Technical Memorandum of Conceptual Design of Decentralized WRRFs (draft and final) in PDF format. Total summary of concepts of conveyance and treatment (including preferred biosolids treatment approach determined in Task 3.2) shall be

provided including costs for conveyance and treatment infrastructure in PDF format

- Process Flow Diagrams of decentralized treatment plant in PDF format
- 3 Architectural 3D renderings of decentralized packaged plant in PDF format

#### Schedule:

6 weeks delivery of task

#### Task 3.4 – Decentralized WRRF Opinion of Probable Construction Cost (OPCC)

Conceptual level OPCC will be developed at a Class 4 level for system rehabilitation per the Association for the Advancement of Cost Engineering (AACE) International standard for the alternatives described in Task 3 and included in the respective Technical Memoranda (Tasks 3.1 through 3.3) and Report (Task 3.5). This class represents a "study or feasibility" maturity level and has an expected accuracy range of -15% to -30% and +20% to +50%.

#### Key Deliverables:

Class 4 Level OPCCs for Each Conceptual Design Component in PDF format

#### Schedule:

Provided with each Technical Memorandum and Report deliverable

#### Task 3.5 – Conceptual Decentralized WRRFs Report

This task includes development of a Conceptual Decentralized WRRF Report which summarizes the sub-basins within the CAWD Collection System for locations of Decentralized Facilities; conceptual Biosolids Treatment for Decentralized Approach; and conceptual design of a Decentralized WRRF. The Report shall include an Executive Summary that describes the report contents in a condensed section. Report shall be submitted to the County in electronic format.

#### Key Deliverables:

Report (including Executive Summary) of Decentralized biosolids treatment approach evaluation in PDF format

#### Schedule:

3 weeks delivery of task •

# Task 4 – Project Management, Site Visits, Meetings, Workshops

At the start of the evaluation, the Greelev and Hansen team will visit with the WPCP staff to discuss the project and anticipated outcomes and discuss the available information that is available. At the conclusion of the project, a final workshop to discuss the findings and recommendations will be presented to CAWD staff. A total of eight (8) in-person meetings are included in this scope of work. Project management tasks will include project management, monthly project invoicing and budget management

#### Kev Deliverables:

- Agendas, Notes, Meeting/Workshop as per Schedule shown below
- Monthly invoices

#### CAWD's Responsibility:

Attendance at meetings and workshops



#### **CARMEL AREA WASTEWATER DISTRICT** WWTP RELOCATION ALTERNATIVES PLANNING ASSISTANCE

#### Schedule:

| Task                |   | Weeks |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
|---------------------|---|-------|---|---|---------|---|---|---|---|----|----|----|----|----|----|---------|----|----|----|----|----|----|----|----|----|----|---------|
|                     | 1 | 2     | 3 | 4 | 5       | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16      | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27      |
| Notice to Proceed   |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Task 1              |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Workshop 1          |   |       |   |   | $\star$ |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Task 2.1            |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Task 2.2            |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Task 2.3 (OPTIONAL) |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Task 2.4            |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Task 2.5            |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Workshop 2          |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    | $\star$ |    |    |    |    |    |    |    |    |    |    |         |
| Task 3.1            |   |       |   |   | -       |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Task 3.2            |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Task 3.3            |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Task 3.4            |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Task 3.5            |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |
| Workshop 3          |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    | $\star$ |
| Task 4              |   |       |   |   |         |   |   |   |   |    |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |         |

#### KEY:

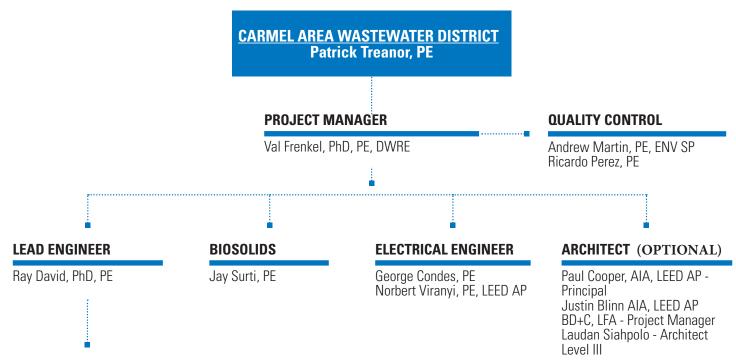
Kickoff Meeting



# **PROJECT TEAM**



# **ORGANIZATIONAL CHART**



#### **PROJECT ENGINEER**

Michelle Tran, EIT

| TEAM MEMBER                            | PROFESSIONAL ENGINEER REGISTRATION  | FIRM                                  |
|--|---|---------------------------------------|
| Val S Frenkel, PhD, PE,                | California, Michigan, New York  | Greeley and Hansen                    |
| DWRE<br>Andrew Martin, PE, ENV SP      | Illinois, Indiana, Kentucky, Michigan, Mississippi, New Jersey, New York,<br>Ohio, Oklahoma, South Carolina, Virginia and Wisconsin                         | Greeley and Hansen                    |
| Ricardo Perez, PE                      | California, Nevada, Indiana   | Greeley and Hansen                    |
| Ray David, PhD, PE                     | Illinois, New York, Texas, and Oklahoma   | Greeley and Hansen                    |
| Jay Surti, PE                          | New Jersey  | Greeley and Hansen                    |
| George Condes, PE                      | Illinois  | Greeley and Hansen                    |
| Norbert Viranyi, PE, LEED AP           | <b>California,</b> Indiana, Arizona, Florida, Illinois, Maryland, Michigan, Nevada, New York, Ohio, Oklahoma, Virginia, Wisconsin, and District of Columbia | Greeley and Hansen                    |
| Michelle Tran, EIT                     | Engineer-in-Training: Arizona   | Greeley and Hansen                    |
| Paul Cooper, AIA, LEED AP              | Licensed Architect No. C28490; Issuer: California Board of Architects   | TEF Architecture & Interior Design    |
| Justin Blinn AIA, LEED AP<br>BD+C, LFA | Licensed Architect No. 036920; Issuer: NY Board of Architects   | TEF Architecture & Interior Design    |
| Laudan Siahpolo                        | Licensed Architect No. C 37372; Issuer: California Board of Architects  | TEF Architecture &<br>Interior Design |





# **Val S Frenkel, PhD, PE, DWRE** Project Manager

| Firm:                          | Greeley and Hansen   |
|--------------------------------|--|
| Years of<br>Experience:        | 44   |
| Education:                     | <ul> <li>Ph.D. Water and Ecology Science, Lviv<br/>Polytechnic University, 1983</li> <li>M.Sc. Civil Engineering, Water and<br/>Wastewater, Lviv Polytechnic University,<br/>1978</li> </ul>   |
| Professional<br>Registrations: | Professional Engineer: California, Michigan,<br>New York<br>Professional Engineer (P.Eng.): Ontario,<br>Canada<br>Diplomate, Water Resource Engineering<br>(D.WRE)<br>Fellow WEF<br>Fellow IWA<br>Fellow IWA<br>Fellow ASCE/EWRI<br>IDA Outstanding Professional in Water<br>Reuse 2018  |
| Professional<br>Experience:    | Dr. Val Frenkel is a well-recognized<br>expert with 44 years of experience and<br>a proven record of building from the<br>ground up for various markets including<br>water, wastewater, water reuse, salinity<br>management, desalination, and membrane<br>technologies. Dr. Frenkel has a successful<br>record of applying technological approaches<br>to provide project cost savings, often via<br>development of new technologies and<br>applications used worldwide for treating<br>water and wastewater. He also serves as<br>overall project manager responsible for the<br>delivery of complete treatment systems<br>including coordination of permitting and<br>ancillary design disciplines. Dr. Frenkel's<br>expertise includes all aspects of water/<br>wastewater business including, but not<br>limited to: business development, program<br>and project management, process design<br>based on conventional and advanced<br>technologies; membrane-based processes<br>including MF, UF, NF, RO, ED, EDR, EDI,<br>and MBR; potable water and wastewater<br>treatment; water reuse; desalination;<br>and salt management for industrial and<br>municipal applications, food, power,<br>semiconductor, oil and gas industries. |

# **Project Experience:**

#### Program Manager for the Design of a Submerged Membrane Bioreactor for the City of Lathrop, CA.

Design of submerged membrane bioreactor up to capacity 2.5 MGD and expansion up to 9.0 MGD. Process design, BNR and MBR design, and equipment selection

Project Manager for the Advanced Water Treatment System Evaluation for a Major National Dairy Processing Plant, CA. The proposed advanced water treatment system is based on the previous recommendations to condition source well water supplied to the plant, which is rich with calcium, chloride bicarbonate and silica. The tasks include detailed process and technological design; selection of equipment, pumps, and energy recovery devices; development of reverse osmosis specifications; and development of design documents.

#### Project Manager for the Development and Validation of Water Pollution Control Plant Process Model for the Carmel Area Wastewater District, Carmel-by-the-Sea, CA.

The Carmel Area Wastewater District (CAWD) Water Pollution Control Plant (WPCP) is a 3.0 million gallons per day (MGD) average annual permitted discharge flow facility that uses activated sludge for secondary treatment. Greeley and Hansen will utilize the CAWD WPCP's data for model development. Existing Monthly Operating Report (MOR) data (or similar) for the WPCP and as-built information will be the basis for the preliminary data analysis. WPCP data of interest includes influent flows and loads, as well as operating data such as mixed liquor suspended solids (MLSS) concentration, return activated sludge (RAS) concentration and flow rate, and other parameters as requested. It is anticipated that three years of MOR data would be sufficient for modeling purposes. The data collected from the MORs will be plotted, categorized into dry weather and wet weather data, and subsequently analyzed. A process model (BioWin) was used to model the WPCP and run seasonal simulations (four simulations total) of the WPCP. Analyses may include, but are not limited to oxygen uptake rates, growth rates, and decay rates. The data collected from a sampling program will allow the model to be refined, calibrated, and validated based on the actual plant specific parameters.

Technical Advisor for the Morris Forman Water Quality Treatment Center (MFWQTC) Primary Sedimentation Basin Technology Evaluation and Design for Louisville and Jefferson County Metropolitan Sewer District, KY.

# Val Frenkel, PhD, PE, DWRE Project Manager

The Morris Forman Water Quality Treatment Center (MFWQTC) Primary Sedimentation Basins (primary clarifiers) were constructed in 1958 and were rehabilitated in the 1970s when secondary treatment was added to the facility. The equipment in the clarifiers has exceeded the anticipated service life and performance is unreliable. The peak wet weather capacity of MFWQCT is 350 MGD. The 2012 Integrated Overflow and Abatement Plan (IOAP) increased retention of wet weather flows in the collection system which will result in longer sustained peak flows to the clarifiers. The IOAP was developed utilizing a sustained peak capacity of 330 MGD through the clarifiers. The MFWQTC Primary Sedimentation Basin Rehabilitation Project includes the design of the following components influent aerated channel, new bypass channel and blower room: primary sedimentation basins; north and south pump station equipment; chemically enhanced primary clarification (CEPT); and odor controls. Dr. Frenkel served as technical advisor and supported the design of the CEPT system (including creating jar testing protocol) and optimization of the existing biological odor control units for the purposes of treating air from the primary sedimentation basins and other nearby odorous areas.

#### Design Lead and Process Engineer for the Membrane Bioreactor (MBR) Design for the City of Santa Paula Ventura County, CA.

Design Lead and Process Engineer for the design of a 4.2 MGD submerged membrane bioreactor recycled water treatment and distribution system. Process design, BNR and MBR design, and equipment selection.

#### Process Engineer for the Membrane Bioreactor (MBR) Design for the City of Fillmore, Ventura County, CA.

Process Engineer for the design of a submerged MBR based on GE Water - ZENON hollow-fiber membranes, plus recycled water treatment and distribution systems. Process design, BNR and MBR design, equipment selection, start-up, and commissioning.

#### Process Engineer for the Crescent City Membrane Bioreactor (MBR) Design, Crescent City, CA.

Process Engineer for the design of submerged MBR based on SIEMENS hollow-fiber membranes, plus recycled water treatment and distribution systems. Start-up and commissioning.

#### Process Engineer for the Membrane Bioreactor (MBR) Design for the City of Lake of the Pines, CA.

Process Engineer for the design of submerged MBR based on KUBOTA flat-plate membranes, including recycled water

treatment and distribution systems. Process design, BNR and MBR design, and equipment selection, start-up and commissioning.

#### **Process Engineer for the Membrane Bioreactor (MBR) Design for the City of Coburg, OR**.

Process Engineer for the design of submerged MBR based on SIEMENS hollow-fiber membranes, along with recycled water treatment and distribution systems. Process design, BNR and MBR design, and equipment selection.

#### **Process Engineer for the Membrane Bioreactor (MBR) Design, City of La Center, WA.**

Process Engineer for the design of submerged membrane bioreactor and recycled water treatment and distribution systems. Process design, BNR and MBR design, and equipment selection.

#### Process/Project Engineer for the Membrane Bioreactor (MBR) and Reverse Osmosis (RO) Pilot Study and Conceptual Project Design for a Confidential Food Processor Client Tracy, CA.

Dr. Frenkel served as the Process/Project Engineer for the pilot study and conceptual design of a 0.2-MGD capacity MBR and RO systems to treat olive production waste streams, creating an effluent suitable for recycling and reuse. He developed a flexible model to optimize and reduce the size of the treatment system, and evaluated and established design parameters for the MBR and RO systems.

#### Process Engineer for the Membrane Bio-reactor (MBR) Design, City of Arlington, WA.

Dr. Frenkel served as the Process Engineer for the design of submerged MBR based on KUBOTA flat-plate membranes, plus recycled water treatment and distribution systems. Process design, BNR and MBR design, equipment selection, and start-up and commissioning.

#### Principal Project Manager and Technology and Process Lead Engineer for Ashghal IDRIS Terminal Pumping Station and Sewage Treatment Works for the City of Doha, State of Qatar.

The advanced membrane technologies had a capacity of 130 MGD and an expansion of up to 260 MGD. Responsibilities included program management, project management and process design.





### Andrew Martin, PE, ENV SP Quality Control

| Firm:                          | Greeley and Hansen  |
|--------------------------------|---|
| Years of<br>Experience:        | 23  |
| Education:                     | - B.S. Civil Engineering, University of Illinois at Urbana-Champaign, 1998  |
| Professional<br>Registrations: | Professional Engineer: Illinois, Indiana,<br>Kentucky, Michigan, Mississippi, New<br>Jersey, New York, Ohio, Oklahoma,<br>South Carolina, Virginia and Wisconsin<br>Envision™ Sustainability Professional<br>(ENV SP)<br>National Council of Examiners for<br>Engineering and Surveying (NCEES)<br>Record   |
| Professional<br>Experience:    | Mr. Andrew Martin has over 23<br>years of experience managing multi-<br>disciplinary teams in the study, pilot<br>testing, design, and construction for<br>complex multi-million dollar water and<br>wastewater projects and multi-billion<br>dollar programs that rehabilitate and<br>optimize infrastructure and facilities.<br>He has been involved as Project<br>Director and Engineer providing<br>the following services associated<br>with distribution systems, collection<br>system, stormwater management,<br>water treatment, and wastewater<br>treatment plant improvement projects:<br>conditions assessments, master<br>planning, strategic planning, detailed<br>hydraulics, preliminary and final design,<br>construction sequencing and phasing,<br>green infrastructure, pilot testing,<br>preparation of opinions of probable<br>construction cost, design review<br>workshops, risk mitigation, permitting,<br>and office services during construction.<br>Mr. Martin is a Greeley and Hansen<br>Principal and serves as the firm's<br>Technical Services & Innovation Center<br>Managing Director. |

# **Project Experience:**

#### Quality Manager for the Bay Park Conveyance Project, Nassau County, NY.

The Nassau County Department of Public Works (NCDPW) and the New York State Department of Environmental Conservation (NYSDEC) is implementing the Bay Park Conveyance Project to improve water guality and storm resiliency in Long Island's Western Bays by conveying highly treated wastewater effluent from the South Shore Water Reclamation Facility located in Nassau County, New York to the Cedar Creek Water Pollution Control Plant for ultimate discharge miles offshore through an ocean outfall pipe. Greeley and Hansen is engaged as part of a design-build team lead by Western Bay Constructors. The design-build project is being designed, constructed and commissioned in a four-year schedule and includes the design of a new 75 MGD effluent diversion pumping station; a 14-mile conveyance system consisting of two new 72-inch microtunnels and a 60-inch slip lined repurposed aqueduct; a new receiving tank; replacement of effluent pumps at the Cedar Creek Water Pollution Control Plant, and an existing ocean outfall. Mr. Martin's responsibilities included quality management reviews and technical guidance and support to the preparation of Contract Documents. The Project will be completed in fall of 2024 with a forecasted cost of \$500 million.

#### Program Director for the Great Water Alliance Program, Waukesha Water Utility, WI.

The Waukesha Water Utility (WWU) Great Water Alliance (Program) is an historic program to transition from groundwater wells to a surface water supply for the City of Waukesha, which is home to more than 71,000 residents. The St. Peter Sandstone aguifer, which has been the primary source of drinking water for not only Waukesha, but for communities throughout the Midwest, is being depleted in Southeast Wisconsin. Depletion of the St. Peter Sandstone aguifer has caused radium and other contaminants to become more concentrated. As a result, Waukesha needs a long-term, sustainable alternative to its existing water supply to protect public health and support future growth. The Great Lakes Compact Council unanimously approved Waukesha's application to source water from Lake Michigan. WWU subsequently commissioned Greeley and Hansen and their team of consultants to implement the Program to transition Waukesha's water supply from groundwater to Lake Michigan water. The purpose of the Program is to plan, design, and construct infrastructure with a 100-year useful life necessary

to transition Waukesha's water supply. The Program is the first of its kind to access Great Lakes water through the Great Lakes Compact. Successful implementation of the Program will set industry precedence for solving water quality and water scarcity challenges for at-risk water supplies in other Great Lakes communities. As part of the Program, approximately 13 miles of transmission main (referred to as the "Water Supply Pipeline") with pumping facilities, storage, and chemical treatment will deliver potable water to Waukesha from a connection to a water system supplied with Lake Michigan water. Approximately 13 miles of pressure main (referred to as the "Return Flow Pipeline") with pumping facilities located at Waukesha's Clean Water Plant (CWP) are required to achieve a net zero water balance in the Great Lakes–St. Lawrence River Basin by discharging highly treated effluent to the Root River, which ultimately discharges into Lake Michigan. As Program Director, Mr. Martin's responsibilities included strategic and technical guidance. managing quality of deliverables and contract documents, financing and funding support, supporting the successful securing of over 80 permits, and overseeing the Program schedule and individual elements to meet multiple consent decree milestones.

The Program is currently in construction and approximately 50% complete. In addition to Program responsibilities, office services during construction are being provided and include overall project management and coordination for five contract packages, coordination between WWU, Construction Manager, and contractors, review of submittals, preparation of RFI responses, and development of as needed RFQs, supplemental drawings, and change orders.

#### Project Manager for the Consent Decree Negotiation and Regulatory Assistance Project, Greater Peoria Sanitary and Sewage Disposal District, Peoria, IL.

Project Manager for negotiations related to the consent decree proposed to address the GPSD's wet weather control program improvement program. The project includes negotiation of CD and permitting issues with USEPA (Region 5 and headquarters) and Illinois EPA. The negotiation program includes coordination of technical evaluations of the District's collection system, remote wet weather treatment facilities, and wastewater treatment facility (60 MGD secondary treatment capacity and 94 MGD wet weather treatment capacity). The negotiations address the District's compliance with state and federal CSO control program requirements and the modifications needed to incorporate the final requirements into the Districts NPDES permit. Other project tasks included wastewater treatment plant flow maximization, future process/nutrient control needs, financial assessment and affordability analysis, and incorporation of sustainable design elements.

#### **Project Engineer for the Regional Optimization Master Plan (ROMP) for Pima County, AZ.**

The program included review of existing county-wide infrastructure facilities and systems, review of future regulatory requirements, development of wastewater technology alternatives for meeting future needs, and preparation of the 25-year master plan. The County wastewater service area covers nearly 500 square miles and includes two major and nine subregional treatment facilities. The major facilities require upgrades to meet the future regulations, and the subregional facilities need to be expanded to meet rapid growth. The capital improvement program (CIP) costs were forecast to be over \$500 million in 2006 construction costs.



**Ricardo Perez, PE** Quality Control

| Firm:                          | Greeley and Hansen   |
|--------------------------------|--|
| Years of<br>Experience:        | 20   |
| Education:                     | - B.S. Civil Engineering, <b>California</b><br>Polytechnic University, 2012  |
| Professional<br>Registrations: | Professional Engineer: California,<br>Nevada, Indiana  |
| Professional<br>Experience:    | Mr. Ricardo Perez is a Civil Engineer and<br>Project Manager at Greeley and Hansen<br>with over 20 years of experience in the<br>planning, design, and construction of<br>water, wastewater and stormwater<br>infrastructure. His experience<br>includes planning and design of water<br>distribution and transmission mains,<br>sewer collection systems including<br>local collection systems, large trunk<br>sewers, force mains, and brine waste<br>disposal pipelines. Mr. Perez also<br>has experience with assistance in<br>the design of well sites and booster<br>stations, subsurface utility engineering,<br>rough grading and fine grading design,<br>wet weather water collection systems<br>including channel and water storage<br>facilities, recreational facility design<br>of public parks, sport complexes, and<br>bicycle trails adjacent to storm water<br>facilities. Ricardo has also contributed<br>to services for hydraulic modeling,<br>preparation of cost opinions, alternative<br>analyses, life-cycle cost assessments,<br>and providing engineering services<br>during construction. In addition, he<br>has assisted the City of Ontario and<br>Jurupa Community Services District<br>(both in California) in developing and<br>updating their standards for water and<br>wastewater applications. |

# **Project Experience:**

# Project Engineer for the Verrado Z5S Booster Station for EPCOR Water, Buckhead, AZ.

An increase in growth and development in the Verrado community of Buckeye, Arizona prompted EPCOR Water to initiate the development of a new Booster Pump Station (BPS) to provide water services to two new pressure zones. This project was for the development of the Zone 5 S Booster Station (Z5S BPS). The new Z5S BPS was designed for a peak flow of 560 gpm. The new booster station included the design of a brand-new site for the booster station, hydropneumatic tank, sodium hypochlorite on-site generation system, standby generator, new building for process and electrical equipment, and tying into the existing Zone 4 BPS. Mr. Perez provided design for the civil and site layout for the project and provided support in the process and mechanical design as well.

#### Project Manager for the Geist Water Treatment Plant Storage Tank Expansion Project for Citizens Energy Group, Indianapolis, IN.

The Geist Water Treatment Plant had existing 0.78 MG of clean water storage. The Geist area, an area North of Indianapolis, is expected to continue growing in the near and distant future. Citizens Energy Group estimates a total of 2 MG gallons of clean water storage will be required in the future. As a part of this project an additional 1MG storage tank was designed and built to supplement the existing on-site storage. The tank is a clear well type, rectangular concrete tank built into the hillside to reduce visibility from neighbors of the area. The design of the new tank included supply mains, drain lines, level sensor, new electronic slide gate, new security camera and flexibility to isolate the new tank from the existing system for future maintenance and expansion.

#### Project Manager for the Merom and Mecca Comprehensive Planning Studies for Indiana American Water, IN.

Indiana American Water (INAW) provides approximately 110 million gallons per day (MGD) of high-quality, affordable water to nearly 300,000 customers in twenty-eight operating districts throughout Indiana. INAW has expressed its need for a Comprehensive Planning Study (CPS) for their Merom and Mecca districts with the goal of completing the CPS on a 15-year cycle. Both systems were acquired by INAW within the last ten years and currently do not have an existing CPS. The purpose of this CPS is to develop a fiscally sustainable

# **Ricardo Perez, PE** Quality Control

water management plan for each district to support and justify capital investments needed for rate adjustments to be approved by the Indiana Utility Regulatory Commission (IURC). The CPS were developed with the assistance from INAW. The Merom district has an average production of 20,000 GPD and obtains its water supply from 2 wells both sourced from a single well field. The system has a single elevated storage tank and an IDEM groundwater assessment has determined that the groundwater is highly susceptible to contamination. The Mecca district has an average production of 80,000 GPD and obtains its water supply from 2 wells both sourced from a single well field. The system has a single elevated storage tank and an IDEM groundwater assessment has determined that the groundwater is highly susceptible to contamination.

Key Aspects that were included in the CPS documents:

- Develop customer and demand forecasts for each customer category for the target years of 2023, 2028, 2033.
- Develop a calibrated distribution system hydraulic model for current year and future target years 2023 and 2033.
- Assess the adequacy of sources of supply, treatment facilities, and distribution system piping, distributive pumping, and distribution system storage capacity in their ability to meet current and projected demands and to provide adequate levels of service and reliability.
- Assess the adequacy of the treatment facilities in meeting current and proposed primary and secondary drinking water quality regulations, and American Water system water quality goals.
- Identify system hydraulic deficiencies based on pressure and fire flow guidelines.
- Development of a prioritized list of supply, treatment, pumping and distribution system capital Improvements.
- Development of a prioritized list of operational changes, where applicable, that could defer or eliminate the need for capital improvements.
- Development of recommended capital improvement projects to address system deficiencies.

#### Project Manager for the Aqueduct Intake Screen Immediate Improvements Study Phase and Final Design Phase for Citizens Energy Group, IN.

The Fall Creek Intake serves as an emergency water supply for Citizen's White River Treatment Plant. The project consisted of developing alternative low maintenance design

options and cost opinions for the replacement of the existing 40 MGD Coanda Screens that were not functioning as designed and were being limited due to sediment accumulation and algae growth. Mr. Perez worked closely with Citizens Energy Group and coordinated with subconsultants, the project team, and IDEM to evaluate the conditions of the existing intake screen of the Fall Creek Intake and provided a technical memorandum as a part of the study phase with recommendations for optimizing the existing intake system. In the design phase Mr. Perez used the recommendations from the technical memorandum to develop construction drawings for modifying the existing intake. Challenges included incorporating the existing infrastructure to the final design; developing hydraulic calculations for each alternative to assure that the required flow of 40 MGD could be provided to the treatment plant: developing a unique design that took advantage of the existing Coanda Screen framework and working with IDEM to review and revise permitting for construction.

#### Project Manager for the 9th Street Storm Water Pump Station for Lafayette Renew in the City of Lafayette.

As a part of the ongoing clean water efforts and storm water management, Lafayette Renew implemented storm water improvement projects at two locations to address street flooding and improve drainage in the project areas. Storm water from the two projects is collected and conveyed to the new 4 MGD Pump Station. The Pump Station will deliver storm water previously carried by the City's combined sewer system, to reduce wet weather CSO discharge to the Wabash River. The Pump Station also serves as a community amenity by providing green space with passive educational activities focused on water and the environment. Key aspects of the project included design of the 4 MGD pump station, optimizing use of an existing 108-inch sewer pipe to maximize storage volume and provide overflow during high level storms, design of approximately 4,000 feet of gravity storm sewer, and design of 400 feet of storm water force main. Coordination with the Certificate of Appropriateness Committee, Historic Preservation Commission, and the 9th Street Hill Neighborhood Association was a critical element of the project to assure that the pump station provided an education and beneficial element to the neighborhood.



### Ray David, PhD, PE Lead Engineer

| Firm:                          | Greeley and Hansen  |
|--------------------------------|---|
| Years of<br>Experience:        | 15  |
| Education:                     | <ul> <li>Ph.D. Civil and Environmental<br/>Engineering, Virginia Tech, 2016</li> <li>M.S. Civil Engineering, Purdue<br/>University, 2010</li> <li>B.S. Civil Engineering, Purdue<br/>University, 2007</li> </ul>  |
| Professional<br>Registrations: | Professional Engineer: Illinois, New<br>York, Texas, and Oklahoma   |
| Professional<br>Experience:    | Dr. Ray David is an Associate of<br>Greeley and Hansen wit over 15<br>years of experience in the design and<br>construction wastewater engineering.<br>His time at Greeley and Hansen<br>includes planning, evaluation, design,<br>and construction services of headworks<br>facilities, odor control systems, air<br>quality improvements, and solids<br>handling system. His experience<br>includes sludge handling and sludge<br>disposal. He has serves as project<br>manager on master planning projects<br>which include evaluation of biosolids<br>management programs and alternatives<br>to evolve those programs, including<br>centralized treatment strategies. His<br>experience includes sludge processes<br>such as digestions and composting.<br>He serves as the odor control and<br>air quality lead in Greeley and<br>Hansen's Process Engineering Group.<br>His experience with air quality and<br>odor control includes both academic<br>research while obtaining his PhD on the<br>topic as well as practical applications.<br>He has planned and designed numerous<br>air quality and odor control system<br>from biological systems to chemical<br>amendment systems to carbon<br>columns. |

# **Project Experience:**

#### Project Manager for the San Francisco Flood Resilience Programmatic Strategies for the San Francisco Public Utilities Commission, San Francisco, CA.

The purpose of the study is to engage stakeholders within the City to determine potential additional programmatic strategies for flood resilience. Specifically, the utilization of property modifications and other related programs that provide alternatives for private property owners was considered. Key decisions and development of consensus was determined through a facilitated workshop process. As these and additional programmatic strategies are developed, the following long-term challenges facing the San Francisco area will be considered: the effects of climate change and new storm patterns as it relates to precipitation intensity and duration; reasonable expectations of the public regarding flooding; and the highest return on investment for expenditures. Dr. David worked on and participated in the various study workshops and meetings, identified floodproofing technologies and modifications applicable for the City and County of San Francisco, assisted in the development of an Implementation Plan to achieve the goals identified during the workshops, and developed new and updated documentation for related programs.

#### Project Engineer for the Advanced Water Treatment System Evaluation for a Major National Dairy Processing Plant, CA.

This Major National Dairy Company is a leading producer of wholesale dairy products that has been committed to sustainability. This pledge towards innovation and sustainability has resulted in the construction of state-of-theart production facilities. The proposed advanced water treatment system is based on the previous recommendations to condition source well water supplied to the plant, which is rich with calcium, chloride bicarbonate and silica. High concentrations of calcium hardness and silica in the source water require excessive use of the chemicals for production processes at the plant, excessive use of chemicals and water for CIP cleanings. At the same time excessive calcium and hardness in source water are carried over through the plant ending up in the industrial wastewater requiring intensive chemicals use, intensive cleanings of the treatment equipment and generating challenges with waste and produced brine (high strength salt) disposals. The tasks include detailed process and technological design: selection of equipment, pumps, and energy recovery devices; development of reverse osmosis specifications; and development of design documents.

# Ray David, PhD, PE Lead Engineer

## Technical Advisor for the 30th and Sutherland Odor Control Study for Citizen Energy Group, Indianapolis, IN.

The area near 30th Street and Sutherland Avenue has documented complaints of odors emerging from the collection system. This study will sample and quantify the level and location of these odors and develop alternatives to address these complaints. The project includes performing a hydraulic evaluation of the collection system, conducting a field investigation to sample odorous gas in the collection system, reviewing data, identifying and conducting an alternative analysis, and creating a technical memorandum. Tasks included participation in progress meetings and workshop, development of a sampling plan, reviewing data, and evaluating alternatives.

## Deputy Project Manager for the Department of Public Utilities Water and Sewer Facilities Plan Update Project, County of Henrico, VA.

The County's current Water and Sewer Facilities Plan was completed in 2007 and updated in 2011 to include the Innsbrook Small Area Plan. The County desires to update the current Water and Sewer Facilities Plan which will require evaluating the adequacy of existing water and wastewater systems, projecting future demands for residential and economic development, developing a prioritized facilities improvement plan to meet the County's needs through the year 2050, and include recommendations for long-term system concepts through build-out. The updated Water and Sewer Facilities Plan (the "Updated Facilities Plan") will reflect current facility requirements and will incorporate land use changes proposed in the 2040 Comprehensive Plan, which is an update to the County's Planning Department 2026 Comprehensive Plan. When it is completed, the Updated Facilities Plan will be added as an element of the 2040 Comprehensive Plan. The Updated Facilities Plan will be the principal planning document for future improvements to the County's water and wastewater system. The Updated Facilities Plan will be used to define DPU's 10-year Capital Improvement Plan and to document the plan for development of the water and wastewater facilities needed to accommodate projected growth within the County and certain areas of Hanover and Goochland Counties. The major project tasks to update the Public Utilities Water and Sewer Facilities Plan include the tasks: Data Collection and Compilation (Water and Sewer Facilities Plan Report and related technical memoranda; Water sales data; Water and Sewer System Flow Data; Rainfall Data at Sewage Pumping Stations; County's Geographic Information System (GIS) Mapping: Existing and Projected Future Land Use Data; Capital Improvement Program (CIP); and Project Data Management

System); Population and Customer Projections (Existing land use development, customer, and population projections); Water Facilities Planning (Evaluate Existing Water Use; Update Unit Water Demand Rates: Update Existing Water Model; Develop Existing Demand Distribution; Water Model Operational Verification; Field Tests based on model verification; Develop Water System Planning Criteria; Develop Water Demand Projections; Evaluate Hydraulic Model of Water System; Evaluate Water System Improvement; Evaluate Facility Improvements Phasing; Develop Water Storage Tank Maintenance Program; Update Pressure Contour Layers; Develop Hydraulic Model Maintenance Plan); Sewer Facilities Planning (Evaluate Existing Wastewater Flow; Evaluate Sewer System Renewal Needs; Update Wet Weather Peak Flow Planning Criteria: Sewer Rainfall Derived Infiltration and Inflow (RDII) Volumes and Sewer Modeling; Identify Potential Redevelopment Areas and Expected Development Density Level; Develop Updated Sewer Model; **Develop Wastewater Flow Projections; Calibrate Sewer** Model; Run Preliminary Sewer Model; Run Final Sewer Model; Conduct Sewer Modeling Studies; Evaluate Sewer System Improvement; Evaluate Facility Improvement Phasing; Final 2030, 2040, 2050, and Build-Out Sewer Models); CIP Project Descriptions (Develop Technical Description for CIP projects); Cost Estimates (Develop Planning-Level Construction and Total Project Cost Estimate): Projected Capital Improvement Schedule (Develop Projected Schedule); Comprehensive Plan Coordination (Meet with County Planning Staff; Evaluate Water and Sewer Utility Impacts; Develop Technical Memoranda; Develop Water and Sewer Descriptions and Future Improvement Needs); Water and Sewer Model User Guide and Training (Develop Water and Sewer User Guides and Provide training in Water and Sewer Models); Treatment Facility Capacity Analysis (Conduct Current Facility Plans Review); Technical Memoranda (Studies Conducted); Reports (Water and Sewer Facilities Planning Studies Results): Project Meetings and Workshops (Develop Project Plan, Schedule, Workshops, Progress Meetings, and Coordination with County Staff); and Regulatory Assistance (Approval from Virginia Department of Health (VDH) and Department of Environmental Quality (DEQ)). Tasks included leading development of sewer model evaluation, population projections, storm size study, RDII evaluation, and CIP development. Dr. David managed project budget and schedule of the project, managed the project team, and managed subconsultant.



# **Jay Surti, PE** Biosolids

| Firm:                          | Greeley and Hansen  |
|--------------------------------|---|
| Years of<br>Experience:        | 19  |
| Education:                     | <ul> <li>M.E. Environmental Engineering,<br/>Stevens Institute of Technology,<br/>2008</li> <li>B.E. Environmental Engineering,<br/>Stevens Institute of Technology,<br/>2003</li> </ul>  |
| Professional<br>Registrations: | Professional Engineer: New Jersey   |
| Professional<br>Experience:    | Mr. Jay Surti is a seasoned leader<br>with more than 19 years of experience<br>in project management, facility<br>and master planning, and detailed<br>design and construction for a<br>wide range of complex water and<br>wastewater projects, with specific<br>expertise in biosolids handling and<br>treatment systems. Mr. Surti has<br>provided wastewater and residuals<br>centric technical services that<br>optimize existing operations and<br>spearhead capital improvements to<br>help achieve operational efficiency<br>and realize reduction in electricity<br>and chemicals consumption for<br>numerous clients. Mr. Surti serves<br>as Greeley and Hansen's Global<br>Biosolids Practice Leader, using his<br>in-depth expertise to develop regional<br>biosolids management solutions for<br>large wastewater treatment plants,<br>improvements related to thickening<br>and dewatering processes, solids<br>stabilization processes, management of<br>FOG and HSW including co-digestion,<br>bioenergy recovery systems, thermal<br>processes and biosolids end use. He is<br>an expert on EPA Part 503 regulations<br>and emerging issues (e.g., PFAS), that<br>could potentially impact biosolids<br>management approaches nationally. |

## **Project Experience:**

## Technical Advisor for North WPCF Dewatering Expansion for Ocean County Utilities Authority, Ocean

**County, NJ.** Assisting OCUA implement dewatering improvements at the North WPCF to meet processing capacity. Dewatered cake produced by the North WPCF is imported to the Central WPCF and dried in a centralized drying facility to produce Class A biosolids pellets. Class A biosolids are beneficially utilized for land application.

## Technical Advisor, Biogas Storage Facilities, Newtown Creek Water Pollution Control Plant, New York City Department of Environmental Protection, New York City, NY.

Provide technical direction and QA/QC for the design of a new membrane gas storage system at the Newtown Creek Water Pollution Control Plant. Evaluate gas storage requirements based on existing and future biogas production, taking into consideration expansion of food waste codigestion, a renewable natural gas (RNG) production facility and use of biogas in boilers to produce heat for digester heating.

## Project Director, Homestead Wastewater Treatment Plant Improvements, New Jersey American Water, Columbus, NJ.

Serve as a Project Director and provide technical direction for improvements to the Homestead Wastewater Treatment Plant. Lead an alternatives evaluation to achieve permit compliance for ammonia during cold weather conditions. Design improvements include breakpoint chlorination, upgrade of chemical storage and feed facilities, pump station upgrades, and process monitoring and control upgrades.

## Project Manager for the Biosolids Program Capital Improvements Plan, Department of Public Work, Westchester County, NY.

Developed a Capital Improvements Plan of solids processing improvements to the Peekskill WWTP and Yonkers WWTP. Assisted the County develop a plan to achieve its goal for reducing solids/sludge transportation costs, optimize inter-WWTP transfer by semi-regionalizing the County's solids processing operations and advance its goal to produce Class A biosolids. Planning level evaluation of a new dewatering system at the Peekskill WWTP to reduce transportation costs.\*

# **Jay Surti, PE** Biosolids

### Project Engineer for the Piscataway 30 MGD WWTP Bio-Energy Project, Washington Suburban Sanitary Commission, Accokeek, MD.

Complete design for a new biogas storage facility, dewatered cake pumping system and utility water pump station upgrades. Class A (thermally hydrolysis followed by mesophilic anaerobic digestion) dewatered biosolids produced by belt filter presses.\*

## Project Engineer for the 100+ MGD Central Treatment Plant, Middlesex County Utilities Authority, NJ.

Professional engineering advisory services to evaluate a Public Private Partnership (PPP) to implement advanced anaerobic digestion, thickening and dewatering processes to produce Class A biosolids for beneficial use. Provided review of basis of design for new gravity belt thickeners, enzymatic anaerobic digestion and centrifuge dewatering to produce Class A biosolids.\*

## Professional Engineer for the Biosolids Conceptual Design Project, South Central Wastewater Authority, Petersburg, VA.

Complete alternatives evaluation and conceptual design of new GBT thickening and dewatering systems. Conceptual design of sludge and dewatered cake conveyance, storage and pumping systems. Solids dewatering alternatives evaluated included belt filter presses, centrifuges and screw presses. Plant rated at 23 MGD.\*

## Project Engineer for the Springfield Regional 67 MGD Wastewater Treatment Facility, Springfield, MA.

Wastewater solids thickening and dewatering optimization to improve solids concentration and reduce trucking costs\*

# Project Engineer for the Holyoke Wastewater Treatment Plant, Holyoke, MA.

Wastewater solids thickening and dewatering optimization to improve solids concentration and reduce trucking costs\*

## Senior Technologist for the Waste-to-Energy Project, Hay Road 50+ MGD WWTP, City of Wilmington, DE.

Completed preliminary design to produce renewable electric power using digester gas and landfill gas, and use waste heat from the power generation process to produce dried biosolids. Completed a qualitative and carbon footprint comparison of the above-described project concept with other beneficial use biosolids processing technologies.\*

## Senior Technologist for the DAFT and Cake Bin Improvements, Metropolitan District Commission, Hartford, CT.

Design improvements to the dissolved air flotation thickeners

(DAFTs) and dewatered cake storage bins at the Hartford WPCF. Develop contract documents for improvements.\*

## Senior Technologist for the Master Plan, Central Contra Costa Sanitation District, CA.

Lead master planning of solids treatment and resource recovery at the Facility. Solids treatment process consists of dissolved air flotation thickening, centrifuge dewatering and incineration. The goal of the master plan was to achieve energy neutrality. A combined cycle power generation facility producing electricity from incinerator of-gas and heat recovered from existing gas turbine would provide adequate energy to achieve net neutrality. New anaerobic digestion facilities was proposed. Improvements to dewatering processes proposed to reduce supplemental fuel consumption for incineration.\*

## Senior Technologist for the Solids, Project Definition Project, North Wastewater Treatment Plant, Baton Rouge, LA.

Develop the overall scheme of solids treatment and processing system to meet regulatory requirements and the City's shortterm and long-term treatment goals. Complete project definition level design for thickening (gravity thickening and gravity belt thickening), anaerobic digestion and dewatering (belt filter press) systems for treating primary sludge and secondary sludge. \*

## Project Technologist for the Standard Operating Protocols, North Wastewater Treatment Plant and South Wastewater Treatment Plant, Baton Rouge, LA.

Worked with the treatment plant operations staff to develop Standard Operating Protocols (SOPs) for all liquid and solids treatment processes. Treatment processes include preliminary treatment (screenings and grit removal), primary treatment, trickling filters, solids contact basins, secondary clarifiers, sludge thickening systems, anaerobic digestion and energy recovery system, sludge dewatering system and major in-plant pump stations.\*

## Project Technologist for the Sludge Thickening Improvements, 50+ MGD Central Water Pollution Control Facility, Ocean County, NJ.

Complete planning level process design and develop improvement recommendations to enhance sludge handling and processing at the Ocean County Utilities Authority Central WPCF.\*

\* Indicates experience with previous firm





# **George Condes, PE** Electrical Engineer

| Firm:                          | Greeley and Hansen  |
|--------------------------------|---|
| Years of<br>Experience:        | 18  |
| Education:                     | <ul> <li>B.S. Electrical Engineering,<br/>University of Illinois at Chicago,<br/>2003</li> <li>MBA specializing in Management,<br/>DePaul University, 2020</li> </ul>   |
| Professional<br>Registrations: | Professional Engineer: Illinois   |
| Professional<br>Experience:    | Mr. George Condes is the Electrical<br>Group Head of Greeley and Hansen<br>with more than 18 years of experience<br>in the Design and Construction Industry.<br>His experience includes design,<br>feasibility studies, evaluation of existing<br>facilities, and project management<br>of large, multi-disciplined projects<br>requiring the coordination of multiple<br>subcontractors. His responsibilities<br>involved the management of multi-firm<br>teams and complex project issues.<br>Mr. Condes has served as project<br>manager and design engineer on<br>numerous multi-million dollar projects,<br>including Light and Heavy Industrial<br>Manufacturing facilities. He has<br>proven successes in establishing<br>and utilizing highly effective project<br>communication procedures and controls<br>to optimize adherence to project goals,<br>budget and schedule. As the Electrical<br>Group Head and member of the Firm's<br>Global Mechanical, Electrical, Plumbing,<br>and Instrumentation & Controls (MEP/<br>IC) Organization, he is responsible for<br>the leadership, business management,<br>and technical development of the Firm's<br>Electrical Group. |

## **Project Experience:**

## Technical Advisor for the Central Park Pumping Station Electrification for the Chicago Department of Water Management, Chicago, IL.

This potable water pumping station, originally built in the 1890's, was converted from steam turbine driven pumps to electric motor driven pumps. The existing 60 MGD and 80 MGD pumps were refurbished to "like new" condition; and new vacuum priming, lube oil, and hydraulic valve actuator power water systems were installed. Medium-voltage VFD's were installed to control the new 2000 HP and 3250 HP, 4.16 kV induction motors driving the pumps. A completely new power distribution system was installed, consisting of 12.47 kV main switchgear with two incoming utility feeders, 12.47 kV generator paralleling switchgear and four 2.5 MW, 12.47 kV generators, double-ended 12.47 kV-480 V unit substation, and 480 V power distribution. Five existing 25,000 lbs/hr high pressure steam boilers and associated steam piping were demolished. A fully automated SCADA system was installed to operate the pumping station based on distribution system pressures and flow demands. The design was performed entirely in 3D using Autodesk Revit and AutoCAD Civil 3D. Construction was phased to maintain full pumping station operation during conversion of the pumps, using temporary generators while the permanent standby power system is installed.

## Technical Advisor and Quality Control Reviewer for City of Richmond, VA Task Orders.

Planning, Design, and Construction Services for electrical, instrumentation and control, mechanical, HVAC, fire protection, plumbing, fire alarm systems, and civil process engineering. Work under this Contract included the MIS Phase II Improvements, McCloy Pumping Station Improvements, Thickening and Dewatering Facility Upgrades, Electrical Hazard Assessments, and the Douglasdale Pump Station Improvements.

#### Technical Advisor for the Jones Island Water Reclamation Facility Motor Control Center Replacements Phase 1 for the Milwaukee Metropolitan Sewerage District (MMSD), Milwaukee, WI.

The project will replace 31 motor control centers and two unit substations at various process units within this 390 MGD plant. The existing equipment is nearing the end of its service life.

## Technical Advisor for Contract BB-215 for the Power Distribution Improvements at the Bowery Bay Water Resource Recovery Facility (WRRF) in Queens, NY.

This project involves Facility Planning Services, Design Services, Procurement Services, Design Service during Construction, and CM Services for the conversion or elimination of all 208V electrical loads to 480V loads throughout the plant. These project involves intensive field investigations, review of numerous record drawings, coordination with numerous ongoing and upcoming projects. and improvement in reliability and safety for the Plant's power distribution system. Project objectives include the elimination of numerous 4160V/208V oil filled switches and transformers and 208V motor control centers (MCCs) throughout the plant, consolidation of new 480V loads into the existing 480V infrastructure, the addition of 4 new double ended MCCs, the redevelopment of old electrical spaces into new NEC and NFPA 820 compliant electrical spaces, and a new digester complex electrical building to isolate new equipment from hazardous environment. This project also includes the refurbishment of the main substation 4 – 4160V reactors and synchronous bus for the incoming 4 utility services and the installation of new 4160V breaker mimic panels, a local mimic panel in the main substation and a remote mimic panel in the Plant Main Control Room.

## Technical Advisor for the Reconstruction of Power Distribution at Wards Island Water Resource Recovery Facility (WRRF), Contract WI-292, NY.

This project involves the Facility Planning Services, Design Services, Procurement Services, and Design Service during Construction for the replacement and possible relocation of existing electrical equipment which make up a large portion of the 4160V and 480V power distribution system throughout the plant. This work includes evaluating the electrical distribution equipment and associated conductors for replacement and relocation; replacing existing or adding new HVAC equipment: and modifications and repairs to existing building components. This project will replace, refurbish, and/or relocate existing equipment. The Power Distribution Improvements at the Wards Island WWTP Project No. WI-292-DES will improve the reliability of the WWTP's power distribution system and treatment processes through the replacement or relocation of existing aging electrical distribution equipment throughout the plant.

## Technical Advisor for the Piscataway WWTP Electrical Upgrades for the Washington Suburban Sanitary Commission, Accokeek, MD.

This project includes the site-wide replacement of medium and low voltage electrical distribution equipment including switchgear, motor control centers, and transformers. To facilitate the replacements and new site-wide underground ductbank system will be designed, that when completed will allow plant personnel to more easily and safely isolate and maintain the equipment. New equipment will feature the latest safety and communications technology to provide a safe work environment for plant personnel and a breadth of power usage data which can be analyzed to improve the operation of the plant. Responsibilities include the Quality Control review of the electrical design contract documents.

## Technical Advisor, NYCDEP TI-169 for the Power Distribution Improvements at the Tallman Island WRRF, Queens, NY.

For the New York City Department of Environmental Protection Contract TI-169. All existing 208V loads will be converted to 480V operation or removed entirely. Project involves field investigation, coordination with various ongoing projects, and general improvements to the plants distribution system. This project also includes the elimination of several 4160V/208V substations and 208V motor control centers.

## Technical Advisor for Various Types of Consulting Services for All Facilities Located within the Jurisdiction of MWRDGC on a Three-year Retainer Basis.

Electrical services include, but are not limited to design work, construction support services, estimating services, and inspection services.

## Technical Advisor for North Shore Water Reclamation District (NSWRD) Electrical Condition Assessment and Electrical Master Plan.

The project assessed all electrical power distribution equipment at NSWRD's three Water Reclamation Facilities and ten Wastewater Pumping Stations. Surveys were conducted, and each component was scored on several parameters relating to condition and potential impact to operations. A ranking and Phase 1 master plan report was prepared to assist NSWRD in planning capital improvements. Responsible for leading the field surveys at all facilities and developing the report.



## **Norbert Viranyi, PE, LEED AP** Electrical Engineer

| Firm:                          | Greeley and Hansen   |
|--------------------------------|--|
| Years of<br>Experience:        | 31   |
| Education:                     | - B.S. Electrical Engineering, Purdue<br>University, 1991  |
| Professional<br>Registrations: | Professional Engineer: Indiana, Arizona,<br>California, Florida, Illinois, Maryland,<br>Michigan, Nevada, New York, Ohio,<br>Oklahoma, Virginia, Wisconsin, and<br>District of Columbia<br>LEED Accredited Professional  |
| Professional<br>Experience:    | As Project Engineer, he performs<br>detailed design of water and<br>wastewater facility electrical systems<br>involving complex and unusual<br>engineering challenges. He directs<br>the preparation of designs, plans,<br>specifications and invitations for bids.<br>Mr. Viranyi ensures compliance with<br>applicable standards (NFPA, UL, IEEE,<br>ANSI, NEMA, ASTM), inspects work<br>in progress and approves contractors'<br>invoices. He supervises appropriate<br>acceptance tests, releases projects<br>for operation, and prepares operating<br>procedures. He also prepares capital<br>and maintenance budget estimates and<br>prepares and presents technical reports<br>for senior management and government<br>entities. As the Senior Electrical<br>Associate, he serves as the electrical<br>technical lead for large and complex<br>project assignments across the firm<br>and is responsible for advancing and<br>guiding the electrical group's technical<br>and quality control efforts and technical<br>advisor. |

## **Project Experience:**

## Project Manager and Technical Advisor for the Central Park Pumping Station Electrification for the Chicago Department of Water Management, Chicago, IL.

This potable water pumping station, originally built in the 1890's, was converted from steam turbine driven pumps to electric motor driven pumps. The existing 60 MGD and 80 MGD pumps were refurbished to "like new" condition; and new vacuum priming, lube oil, and hydraulic valve actuator power water systems were installed. Medium-voltage VFD's were installed to control the new 2000 HP and 3250 HP, 4.16 kV induction motors driving the pumps. A completely new power distribution system was installed, consisting of 12.47 kV main switchgear with two incoming utility feeders, 12.47 kV generator paralleling switchgear and four 2.5 MW, 12.47 kV generators, double-ended 12.47 kV-480 V unit substation, and 480 V power distribution. Five existing 25,000 lbs/hr high pressure steam boilers and associated steam piping were demolished. A fully automated SCADA system was installed to operate the pumping station based on distribution system pressures and flow demands. The design was performed entirely in 3D using Autodesk Revit and AutoCAD Civil 3D. Construction was phased to maintain full pumping station operation during conversion of the pumps, using temporary generators while the permanent standby power system is installed. Responsibilities included overall project management to deliver high quality contract documents within budget and schedule, as well as conceptual design of the electrical distribution system. Project management responsibilities also included coordination of permit reviews, zoning application, public outreach, and low-interest Illinois EPA loan application.

### Project Manager for the Power Distribution Improvements at Wards Island WRRF for the New York City Department of Environmental Protection, Manhattan, NY.

This project involves the Facility Planning Services, Design Services, Procurement Services, and Design Service during Construction for the large scale replacement of the plant power distribution system. This replacement and improvements project includes the 13.8kV/4160V main substation with 5 - 13.8kV utility services, 4 - 4160V switchgear, 5 - 4160V/480V unit substations, and 25 - 480V motor control centers. The project involves intensive field investigations, review of numerous record drawings, coordination with numerous ongoing and upcoming projects, and improvement in reliability and safety for the Plant's



power distribution system. Additional objectives are the redevelopment of old electrical spaces into new NEC and NFPA 820 compliant electrical spaces, and a new digester complex electrical building to isolate new equipment from hazardous environment.

## Project Manager for the Piscataway WWTP Electrical Upgrades for the Washington Suburban Sanitary Commission, Accokeek, MD.

This project includes the site-wide replacement of medium and low voltage electrical distribution equipment including switchgear, motor control centers, and transformers. To facilitate the replacements and new site-wide underground ductbank system will be designed, that when completed will allow plant personnel to more easily and safely isolate and maintain the equipment. New equipment will feature the latest safety and communications technology to provide a safe work environment for plant personnel and a breadth of power usage data which can be analyzed to improve the operation of the plant. Responsibilities include the Quality Control review of the electrical design contract documents.

## Technical Advisor for the Resiliency Program at the Hunts Point WRRF for the New York City Department of Environmental Protection, Bronx, NY.

This project involves the Facility Planning Services, Design Services, Procurement Services, and Design Service during Construction for the design and implementation of an assortment of storm mitigation strategies to provide a flood resilient design to a 100yr plus 40" storm event. These projects involve intensive field investigations, review of numerous record drawings, coordination with numerous ongoing and upcoming projects, and improvement in reliability for the Plant's process and power distribution system. Project scope include design for over 30 buildings/ areas onsite.

### Electrical Project Engineer for the Terrence J. O'Brien Water Reclamation Plant UV Disinfection Project for the Metropolitan Water Reclamation District of Greater Chicago, Skokie, IL.

Scope of the project includes major medium voltage utility extensions, a new main electrical distribution station, and a complex process building housing the ultraviolet disinfection processes. Technical details include producing the design completely in 3D design software, the use of water-source heat pumps, LED lighting, and arc-flash mitigation strategies. Challenges of this project include providing extremely reliable power to the UV processes to maintain permit compliance and coordinating many disciplines in a tight and complex space. This assignment also required detailed coordination with ComEd for utility relocations and verification of adequate supply to the facility.

### Electrical Project Manager for the new Water Reclamation Facility for the City of North Las Vegas, NV.

Project elements included design and construction of a new 50 MGD membrane bioreactor WRF. The facility uses Adjustable Frequency Drives in most processes. Active harmonic filters were used to mitigate the effects of harmonics produced by numerous 6-pulse AFDs. The project requirements included a comprehensive electrical power system analysis with an arc flash study.





## Michelle Tran, EIT Project Engineer

| Firm:                          | Greeley and Hansen  |
|--------------------------------|---|
| Years of<br>Experience:        | 4   |
| Education:                     | <ul> <li>M.S. Civil, Environmental and<br/>Sustainable Engineering, Arizona<br/>State University, 2018</li> <li>B.S.E. Civil Engineering, Arizona<br/>State University, 2017</li> </ul>   |
| Professional<br>Registrations: | Engineer-in-Training: Arizona<br>Professional Engineer: Nevada<br>(Pending)   |
| Professional<br>Experience:    | Ms. Michelle Tran is a Civil Engineer<br>with Greeley and Hansen with 4<br>years of experience in the water and<br>wastewater field. She has provided<br>aid to professional engineers in order<br>to meet various project requirements<br>and deadlines. Some tasks include<br>design, evaluation of existing facilities,<br>the development of an operations and<br>maintenance manual, cataloguing<br>and organizing client comments,<br>and development of diagrams for<br>use in reports. After graduating from<br>Arizona State University, Ms. Tran<br>was in charge of a water sampling<br>project for the Arizona Department<br>of Environmental Quality, as well as<br>supported colleagues by performing<br>literature reviews and technical<br>reviews. |

## **Project Experience:**

## Project Engineer for the SPA 1 Water Reclamation Facility (WRF) Original Wet Well Overflow Study in Surprise, AZ.

The project scope includes the assessment of existing sanitary sewer collection system conditions and evaluation of alternatives to resolve sanitary sewer overflow (SSO) issues experienced at the SPA 1 WRF Original Wet Well. Tasks includes hydraulic modeling and analysis of the SPA 1 WRF Original Wet Well and existing sanitary sewer collection system, development of alternatives to reduce SSO issues, development of a design report, and coordination with the client.

## Project Engineer for the Lift Station 60 Decommissioning Project in Phoenix, AZ.

The project scope included development of a flow monitoring plan and a flow monitoring study of the Lift Station 60 sewer shed, and the downstream Lift Station 42 sewer shed. The flow monitoring data is used to appropriately design the Lift Station 60 bypass sanitary sewer and evaluate the receiving downstream lift station capacity to receive the bypassed Lift Station 60 flows. Additionally, abandonment of the wet well, influent gravity sewer mains, and force main are included as part of the project scope, as are a thorough inventory of equipment to salvage requiring specific specifications and details and coordination with the client and contractor. Decommissioning of all electrical facilities and equipment, on-site odor control system, and coordination for decommissioning of commercial utilities to the site were also part of the decommissioning scope and design.

## Project Engineer for the Southside Wastewater Treatment Plant Peak Wet Weather Flow Optimization Project in Tulsa, OK.

The project scope included developing a Peak Wet Weather Strategy and Operation Manual to be used by Plant Staff for optimizing wet weather operations at the Southside Wastewater Treatment Plant. Various tasks included: defined modes of operation for controlling wet well and process control valves throughout the system, created flow diagrams for each mode of operation, and created a visual aid of SCADA screen controls for wet weather operations. The manual and technical memorandum are to be used for training plant staff, as well as providing guidance for pump station operations.



# **Michelle Tran, EIT** Project Engineer

### **Project Engineer for the Lake Las Vegas Lift Station 19** (LS19) and Lift Station 25 (LS25) Improvements Project for the City of Henderson in Henderson, NV.

The project scope included the decommissioning of LS25. diverting LS25 flows to LS19, and improvements to LS19 to increase capacity in order to handle higher flows and improve overall operations and maintenance. Tasks included coordination with the client, assistance during construction phase, and development of as-built drawings.

## **Project Engineer for the 11 MGD Reclaimed Water Pump Station Improvements Project in Las Vegas, NV.**

The project scope includes the planning, design and engineering services during construction of a new reclaimed water pump station as a redundancy to the existing reclaimed water pump station. The project includes three 5.5 MGD pumps and interconnecting above-grade and below-grade piping systems. Responsible for the coordination of submittal review and request for information between Greeley and Hansen and the client during the construction phase.

## **Project Engineer for the Sludge Cake Conveyance Design Project in Las Vegas, NV.**

The project scope includes evaluation of the existing sludge cake conveyance system and design of a new sludge cake conveyance system to improve sludge transfer process efficiency and overall operation and maintenance. Tasks included coordination with the client and contractor and assistance during construction.





# Paul Cooper, AIA, LEED AP

Architecture - Principal

| Firm:                          | TEF Architecture & Interior Design   | Projec  |
|--------------------------------|--|---|
| Education:                     | - Bachelor of Architecture, University of Oregon, Eugene, OR   | <ul> <li>10,5</li> <li>Subs</li> <li>29,0</li> </ul>  |
| Professional<br>Registrations: | Licensed Architect No. C28490; Issuer:<br>CA Board of Architects   | <ul> <li>29,0</li> <li>Fran</li> <li>4,00</li> <li>4,80</li> </ul>  |
| Professional<br>Experience:    | Paul leads TEF's infrastructure work<br>and brings significant experience in the<br>management of public sector contracts<br>and integrated teams. A skilled and pro-<br>active leader he is adept in facilitating<br>team communication and moving<br>projects forward.<br>Paul's recent experience includes<br>a wide range of infrastructure<br>assignments as well as expertise in<br>managing local government and other<br>public sector and institutional projects.<br>He has been instrumental to elevating<br>the design and delivery of electrical<br>infrastructure programs for PG&E<br>that have garnered award-winning<br>recognition, most recently for the Larkin<br>Street Substation Expansion, the first<br>Net-Zero electrical switchgear building<br>in the US certified by the International<br>Living Future Institute's (ILFI) Zero<br>Energy Building (ZEB) Certification <sup>™</sup> of<br>the Living Building Challenge. | CA<br>San<br>- 599<br>Fire<br>- 15,<br>35,0<br>9,30<br>Fran<br>18,4<br>40,0<br>CA<br>35,0<br>Grou<br>- Bu<br>155,<br>- He<br>27,0<br>Fran |

# **Project Experience:**

- 10,500 Sq Ft | PG&E Net Zero Energy Larkin Street Substation Expansion San Francisco, CA
- 29,000 Sq Ft | PG&E Hunters Point Substation, San Francisco, CA
- 4,000 Sq Ft | PG&E Mission Substation, San Francisco, CA
- 4,800 Sq Ft | PG&E San Mateo Substation, San Francisco, CA
- San Francisco International Airport, Terminal 3
   595,000 Sq Ft | West Modernization, San Francisco, CA (with Gensler)
- Fire Boat Station 35, Piers 22-1/2 + 24,
  - 15,0000 Sq Ft | Design Competition, San Francisco, CA
- 35,000 Sq Ft | UCSF Rock Hall Refresh, San Francisco, CA
- 9,300 Sq Ft | Bayview Opera House Renovation, San Francisco, CA
- 18,448 Sq Ft | Garfield Park + Pool Rehabilitation
- 40,000 Sq Ft | Live Oak School Expansion, San Francisco, CA
- 35,000 Sq Ft | Bay Area Metro Center, 5th Floor and Ground Floor
  - Build Out, San Francisco, CA
- 155,000 Sq Ft | Bay Area Metro Center Regional Agency
   Headquarters, San Francisco, CA
- 27,000 Sq Ft | Swissnex/Swiss Consulate at Pier 17, San Francisco, CA





# Justin Blinn AIA, LEED AP BD+C, LFA

Architecture - Project Manager

| Polytechnic Institute, Troy, New YorkSubstation EProfessional<br>Registrations:Licensed Architect No. 036920; Issuer:<br>NY Board of Architects4,800 Sq Ft<br>Francisco, C/Professional<br>Experience:Justin's thoughtful, honest approach<br>to project leadership puts clients first.<br>With 11 years of experience, he brings<br>design acumen and technical precision<br>to all stages of a project.97,000 Sq Ft<br>Francisco, C/Justin has led a number of<br>infrastructure projects, including utility<br>enclosures and substations for PG&E,<br>most notably the award-winning Larkin<br>Street Substation Expansion and the<br>San Mateo Substation enclosure. His<br>knowledge and experience leading a<br>wide range of assignments for public<br>sector and institutional clients will also<br>be an asset to the team.97,000 Sq Ft<br>Francisco, C/4,500 Sq Ft<br>CA5,500 Sq Ft<br>Francisco5,500 Sq Ft<br>Francisco-4,500 Sq Ft<br>Francisco5,500 Sq Ft<br>Francisco-5,500 Sq Ft<br>Francisco5,500 Sq Ft<br>Francisco-5,500 Sq Ft<br>Francisco5,200 Sq Ft<br>Ft<br>Francisco-5,500 Sq Ft<br>Ft<br>Francisco5,200 Sq Ft<br>Ft<br>Francisco-5,500 Sq Ft<br>Ft<br>Ft<br>Francisco6,200 Sq Ft<br>Ft<br>Francisco-4,500 Sq Ft<br>Ft<br>Ft<br>Francisco7,000 Sq Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br> | Firm:      | TEF Architecture & Interior Design   | Project Expe   |
|--|------------|--|--|
| Registrations:NY Board of Architects4,800 St Ft<br>Francisco, C/Professional<br>Experience:Justin's thoughtful, honest approach<br>to project leadership puts clients first.<br>With 11 years of experience, he brings<br>design acumen and technical precision<br>to all stages of a project.97,000 Sq Ft<br>Residential CJustin has led a number of<br>infrastructure projects, including utility<br>enclosures and substations for PG&E,<br>most notably the award-winning Larkin<br>Street Substation Expansion and the<br>San Mateo Substation enclosure. His<br>knowledge and experience leading a<br>wide range of assignments for public<br>sector and institutional clients will also<br>be an asset to the team.120,000 Sq Ft<br>CA97,000 Sq Ft<br>Francisco, C/97,000 Sq Ft<br>Francisco, C/96,000 Sq Ft<br>Francisco97,000 Sq Ft<br>Francisco97,000 Sq Ft<br>Ft<br>Francisco97,000 Sq Ft<br>Ft<br>Francisco97,000 Sq Ft<br>Ft<br>Francisco97,000 Sq Ft<br>Ft<br>Francisco97,000 Sq Ft<br>Ft<br>Francisco98,000 Sq Ft<br>Ft<br>Ft<br>Francisco99,000 Sq Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft<br>Ft91,000 Sq   | Education: |  | <ul> <li>10,500 Sq Ft<br/>Substation E</li> <li>29,000 Sq Ft<br/>Francisco, CA</li> </ul>                        |
| Professional<br>Experience:Justin's thoughtful, honest approach<br>to project leadership puts clients first.<br>With 11 years of experience, he brings<br>design acumen and technical precision<br>to all stages of a project.Residential CJustin has led a number of<br>infrastructure projects, including utility<br>  |            |  | • 4,800 Sq Ft  <br>Francisco, CA   |
|  |            | to project leadership puts clients first.<br>With 11 years of experience, he brings<br>design acumen and technical precision<br>to all stages of a project.<br>Justin has led a number of<br>infrastructure projects, including utility<br>enclosures and substations for PG&E,<br>most notably the award-winning Larkin<br>Street Substation Expansion and the<br>San Mateo Substation enclosure. His<br>knowledge and experience leading a<br>wide range of assignments for public<br>sector and institutional clients will also | Residential C<br>47,500 Sq Ft<br>Francisco, CA<br>196,000 Sq F<br>San Francisco<br>120,000 Sq Ft<br>25,000 Sq Ft |

# erience:

- t | PG&E Net Zero Energy Larkin Street Expansion San Francisco, CA
- t | PG&E Hunters Point Substation, San A
- PG&E San Mateo Substation, San A
- t | Pier 70, Building 2, Multi-Family Core + Shell Renovation, San Francisco, CA
- t | 915 North Point Apartments, San A
- Ft | Mission Armory, Core + Shell Renovation, co, CA
- Ft | 55/60 Francisco, San Francisco, CA
- t | 170 9th Street Renovation, San Francisco,
- st, San Francisco, CA
  - Ft | Gorgas Warehouse Renovation
  - t | Building 103 Tenant Improvement, San co, CA
  - t | Building 1230 Tenant Improvement
  - t | Building 222
  - t | Building 103 Tenant Improvement
  - ry Design Analysis Studies
  - t | Chapel Upgrades Building 130
- t | University of California, San Francisco, nion, Improvement Plan & Event Center, San A





## Laudan Siahpolo Architecture - Architect Level III

| Firm:                          | TEF Architecture & Interior Design   |
|--------------------------------|--|
| Education:                     | <ul> <li>Bachelor of Architecture, California<br/>Polytechnic State, University, San<br/>Luis Obispo, CA</li> </ul>  |
| Professional<br>Registrations: | Licensed Architect No. C 37372; Issuer:<br>California Board of Architects  |
| Professional<br>Experience:    | Laudan has provided technical and<br>design leadership to diverse projects<br>at TEF, including institutional, public,<br>and developer led assignments. Her<br>experience ranges from large scale<br>residential high rises to modest<br>interventions requiring considerable<br>technical precision.   |
|                                | Laudan has been crucial to the success<br>of several major infrastructure projects<br>including TEF's Project Manager for the<br>SFO Terminal 3 West project, a design/<br>build joint venture with Gensler, led by<br>Turner Construction, as well as PG&E's<br>Hunters Point Substation. She is also<br>actively engaged in the application of<br>LEAN and integrated design strategies<br>as part of her management approach<br>and brings diverse experience to inform<br>smart design solutions across market<br>sectors. |

# **Project Experience:**

- 29,000 Sq Ft | PG&E Hunters Point Substation, San Francisco, CA
- San Francisco International Airport, Terminal 3
  - 595,000 Sq Ft |West Modernization, San Francisco, CA (with Gensler)
- Fire Boat Station 35, Piers 22-1/2 + 24,
  - 15,0000 Sq Ft |Design Competition, San Francisco, CA
- 1,300 Sq Ft |Kaiser Oakland Pediatric Cardiovascular OR Renovation, Oakland, CA
- Stanford Health Care
  - 15,000 Sq Ft |Almaden Ranch Clinic, San Jose, CA
  - 42,000 Sq Ft |Burlingame Clinic, Burlingame, CA
- 183,000 Sq Ft |UC Berkeley David Blackwell Hall, Berkeley, CA\*
- 857,400 Sq Ft |Anaha Tower, Block K, Ward Village, Honolulu, HI\*
- 353,000 Sq Ft |Solaire, Transbay Block 6, San Francisco, CA\*
- 392,500 Sq Ft |One Ala Moana, Residential Tower, Honolulu, HI\*
- 113,000 Sq Ft |ASU Gymnasium Expansion and Renovation, Tempe, AZ\*







| Task                |  | Project<br>Manager | Lead Project<br>Engineer | Project<br>Engineer | Electrical<br>Engineer | Biosolids<br>Engineer | QA/QC       | QA/QC            | Admin      | Architect<br>TEF<br><b>OPTIONAL</b> | Architect<br>TEF<br><b>OPTIONAL</b> | Architect<br>TEF<br><b>OPTIONAL</b> | TEF Hours | GH Hours | Total Labor<br>Hours | TEF Fee<br>OPTIONAL            | GH Fee      | Total Fee<br>including<br><b>OPTIONAL</b> |
|---------------------|--|--------------------|--------------------------|---------------------|------------------------|-----------------------|-------------|------------------|------------|-------------------------------------|-------------------------------------|-------------------------------------|-----------|----------|----------------------|--------------------------------|-------------|---|
|                     |  | Val Frenkel        | Ray David                | Michelle<br>Tran    | George<br>Condes       | Jay Surti             | Andy Martin | Ricardo<br>Perez |            | Principal                           | Project<br>Manager                  | Architect<br>Level III              |           |          |                      |                                |             |   |
| Task 1 - Data Colle | ection   | 8                  | 30                       | 40                  | 0                      | 0                     | 0           | 0                | 0          | 0                                   | 2                                   | 2                                   | 4         | 78       | 82                   | \$760.00                       | \$15,864.20 | \$16,624.20                               |
| 1-100               | Data Collection  | 8                  | 30                       | 40                  |                        |                       |             |                  |            |                                     | 2                                   | 2                                   | 4         | 78       | 82                   | \$760.00                       | \$15,864.20 | \$16,624.20                               |
| Task 2 - Centralize | d Wastewater Treatment Plant Conceptual Design   | 44                 | 100                      | 140                 | 15                     | 30                    | 0           | 4                | 0          | 2                                   | 3                                   | 27                                  | 32        | 333      | 365                  | \$5,990.00                     | \$73,617.75 | \$79,607.75                               |
| 2-100               | Conceptual Design of Proposed Wastewater and Treated Water<br>Conveyance Systems             | 12                 | 20                       | 40                  |                        |                       |             | 4                |            |                                     |                                     |                                     | 0         | 76       | 76                   | \$-                            | \$15,192.00 | \$15,192.00                               |
| 2-200               | Conceptual Design of Centralized WWTP  | 12                 | 30                       | 40                  |                        | 30                    |             |                  |            |                                     |                                     |                                     | 0         | 112      | 112                  | \$-                            | \$26,895.50 | \$26,895.50                               |
| 2-300               | Centralized WWTP Architectural Renderings (Optional Task)                                    | 4                  |                          |                     |                        |                       |             |                  |            | 2                                   | 3                                   | 27                                  | 32        | 4        | 36                   | \$5,990.00                     | \$1,297.80  | \$7,287.80                                |
| 2-400               | Centralized WRRF Opinion of Probable Construction Cost (OPCC)                                | 8                  | 30                       | 30                  | 15                     |                       |             |                  |            |                                     |                                     |                                     | 0         | 83       | 83                   | \$-                            | \$18,376.35 | \$18,376.35                               |
| 2-500               | Conceptual Centralized WRRF Report   | 8                  | 20                       | 30                  |                        |                       |             |                  |            |                                     |                                     |                                     | 0         | 58       | 58                   | \$-                            | \$11,856.10 | \$11,856.10                               |
| Task 3 - Decentral  | ized Wastewater Treatment Plants Conceptual Design   | 32                 | 90                       | 150                 | 30                     | 20                    | 0           | 0                | 0          | 1                                   | 2                                   | 27                                  | 30        | 322      | 352                  | \$5,460.00                     | \$67,923.00 | \$73,383.00                               |
| 3-100               | Determine Sub-Basins within CAWD Collection System for Locations of Decentralized Facilities | 8                  | 20                       | 40                  | 20                     |                       |             |                  |            |                                     |                                     |                                     | 0         | 88       | 88                   | \$-                            | \$18,109.00 | \$18,109.00                               |
| 3-200               | Evaluation of Biosolids Treatment for Decentralized Approach                                 | 4                  | 10                       | 30                  |                        | 20                    |             |                  |            |                                     |                                     |                                     | 0         | 64       | 64                   | \$-                            | \$14,283.50 | \$14,283.50                               |
| 3-300               | Conceptual Design of Decentralized WWTPs   | 4                  | 20                       | 20                  |                        |                       |             |                  |            | 1                                   | 2                                   | 27                                  | 30        | 44       | 74                   | \$5,460.00                     | \$9,314.00  | \$14,774.00                               |
| 3-400               | Decentralized WWTP 0.25 MGD  | 8                  | 20                       | 20                  | 10                     |                       |             |                  |            |                                     |                                     |                                     | 0         | 58       | 58                   | \$-                            | \$13,116.10 | \$13,116.10                               |
| 3-500               | Conceptual Decentralized WRRFs Report  | 8                  | 20                       | 40                  |                        |                       |             |                  |            |                                     |                                     |                                     | 0         | 68       | 68                   | \$-                            | \$13,100.40 | \$13,100.40                               |
| Task 4 - Project M  | anagement, Site Visits, Meetings, Workshops  | 102                | 68                       | 30                  | 0                      | 0                     | 20          | 10               | 50         | 4                                   | 9                                   | 3                                   | 16        | 280      | 296                  | \$3,670.00                     | \$70,394.14 | \$74,064.14                               |
|                     | Project Management, Coordination   | 30                 |                          |                     |                        |                       |             |                  |            |                                     |                                     |                                     | 0         | 30       | 30                   | \$-                            | \$9,733.50  | \$9,733.50                                |
|                     | Reporting  | 20                 | 20                       |                     |                        |                       |             |                  |            |                                     |                                     |                                     | 0         | 40       | 40                   | \$-                            | \$12,016.60 | \$12,016.60                               |
|                     | QA/QC  | 8                  |                          |                     |                        |                       | 20          | 10               |            |                                     |                                     |                                     | 0         | 38       | 38                   | \$-                            | \$11,069.10 | \$11,069.10                               |
|                     | Workshops and Meetings - Total 8   | 28                 | 28                       |                     |                        |                       |             |                  |            | 4                                   | 9                                   | 3                                   | 16        | 56       | 72                   | \$3,670.00                     | \$16,823.24 | \$20,493.24                               |
|                     | Report, Draft and Final  | 16                 | 20                       | 30                  |                        |                       |             |                  | 50         |                                     |                                     |                                     | 0         | 116      | 116                  | \$-                            | \$20,751.70 | \$20,751.70                               |
| Total Hours         |  | 186                | 288                      | 360                 | 45                     | 50                    | 20          | 14               | 50         | 7                                   | 16                                  | 59                                  | 82        | 1013     | 1095                 | \$15,880.00                    | 227,799.09  | \$243,679.09                              |
| Billing Rate        |  | \$324.45           | \$276.38                 | \$124.43            | \$250.43               | \$324.45              | \$324.45    | \$198.45         | \$126.00   | \$325.00                            | \$205.00                            | \$175.00                            |           |          |                      |                                |             |   |
| Total               |  | \$60,347.70        | \$79,597.44              | \$44,794.80         | \$11,269.35            | \$16,222.50           | \$6,489.00  | \$2,778.30       | \$6,300.00 | \$2,275.00                          | \$3,280.00                          | \$10,325.00                         |           |          |                      |                                |             |   |
|                     |  |                    |                          |                     |                        |                       |             |                  |            |                                     |                                     |                                     |           |          | Total G              | H Labor Cost                   | 227,799.09  | \$227,799.09                              |
|                     |  |                    |                          |                     |                        |                       |             |                  |            |                                     |                                     |                                     |           |          | Subco                | nsultant Cost                  |             | \$15,880.00                               |
|                     |  |                    |                          |                     |                        |                       |             |                  |            |                                     |                                     |                                     |           |          |                      | ODC Cost                       | 7,232.00    | \$7,232.00                                |
|                     |  |                    |                          |                     |                        |                       |             |                  |            |                                     |                                     |                                     |           |          | GH Manage<br>Subco   | ement Fee for<br>nsultant - 5% |             | \$794.00                                  |
|                     |  |                    |                          |                     |                        |                       |             |                  |            |                                     |                                     |                                     |           |          | <b>TOTAL PRO</b>     | POSAL COST                     | 235,031.09  | \$251,705.09                              |





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## RESOLUTION NO. 2022-15

# A RESOLUTION AUTHORIZING THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH GREELEY AND HANSEN IN AN AMOUNT NOT TO EXCEED \$251,705.09 FOR WASTEWATER TREATMENT PLANT (WWTP) RELOCATION ALTERNATIVES PLANNING ASSISTANCE FOR LONG-TERM SEA LEVEL RISE MITIGATION PLANNING (PROJECT #22-01)

## -000-

WHEREAS, Special Condition 9 of the Carmel Area Wastewater District (CAWD) WWTP Coastal Development Permit requires planning for relocation of the WWTP as a potential alternative to mitigate impacts of sea level rise; and

WHEREAS, Greeley and Hansen has submitted an acceptable proposal and is well qualified to provide conceptual wastewater treatment planning services at a competitive rate;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that it does hereby authorize the General Manager to enter into a professional services agreement, with a not to exceed amount of \$251,705.09, with Greeley and Hansen for WWTP Relocation Alternatives Planning.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on May 26, 2022, by the following vote:

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

Ken White, President of the Board

## ATTEST:

Domine Barringer, Secretary of the Board

# **STAFF REPORT**

To: Board of Directors

From: Barbara Buikema, GM

Date: May 26, 2022



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

## RECOMMENDATION

It is recommended that the Board of Directors proclaim a local emergency and authorize remote teleconference meetings for the period May 31 through June 30, 2022.

## DISCUSSION

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

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

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

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

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

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

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

FUNDING - No Impact

## **RESOLUTION NO. 2022-24**

# A RESOLUTION OF THE BOARD OF DIRECTORS OF THE CARMEL AREA WASTEWATER DISTRICT (CAWD), PROCLAIMING A LOCAL EMERGENCY, RATIFYING THE PROCLAMATION OF A STATE OF EMERGENCY BY GOVERNOR'S ORDER #N-25-20 DATED MARCH 4, 2020, AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF CAWD FOR THE PERIOD MAY 31 THROUGH JUNE 30, 2022, PURSUANT TO BROWN ACT PROVISIONS.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PASSED AND ADOPTED by the Board of Directors of Carmel Area Wastewater District, this 26th day of May 2022, by the following vote:

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

Ken White, President of the Board

Domine Barringer, Secretary to the Board

# **STAFF REPORT**

To: Board of Directors

From: Barbara Buikema, General Manager

Date: May 26, 2022

Subject: Reclamation Budget 2022-23

## RECOMMENDATION



It is recommended that the Board of Directors adopt a resolution approving the Carmel Area Wastewater District (CAWD)/Pebble Beach Community Service District (PBCSD) Fiscal Year 2022-23 Reclamation Project Budget.

## DISCUSSION

The CAWD/PBCSD Reclamation Project Fiscal Year 2022-23 Budget was approved at the Technical Advisory Committee group level on May 3, 2022. Final approval was given by the Reclamation Management Committee (RMC) at its May 10, 2022 meeting. A copy of the Project 2022-23 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 2022-23 Budget

## CAWD/PBCSD RECLAMATION PROJECT

2022-23 BUDGET

Reviewed by Finance Officer's Work Group (FOWG) on - April, 2022

Reviewed by Technical Advisory Committee (TAC) on May 3, 2022

Presented to Reclamation Management Committee (RMC) on May 10, 2022

# CAWD/PBCSD Reclamation Project 2022-23

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## CAWD/PBCSD RECLAMATION PROJECT 2022-23 BUDGET SUMMARY

| [   | Actual<br>2020-21 | Estimated<br>Actual<br>2021-22 | 2021-22<br>Budget | Proposed<br>2022-23<br>Budget | Inc/(Dec) 2022-2<br>Proj.Actual 21-22 |          |
|---|-------------------|--------------------------------|-------------------|-------------------------------|---------------------------------------|----------|
| User Revenue  |                   |                                |                   |                               |                                       |          |
| Water Sales   | 2.718.134         | 2,805,618                      | 2,884,000         | 3,421,188                     | 21.94%                                | 18.63%   |
| Non Operating Share                                   | 4,120,604         | 4,535,537                      | 4,116,000         | 4,057,756                     | -10.53%                               | -1.42%   |
| Operating Expenses                                    |                   |                                |                   |                               |                                       |          |
| Plant Operating Expenses                              | 1,761,523         | 2,385,413                      | 2,004,873         | 2,535,194                     | 6.28%                                 | 26.45%   |
| PBCSD Expenses  | 395,403           | 458,739                        | 550,250           | 580,000                       | 26.43%                                | 5.41%    |
| CAWD Admin. Expenses                                  | 89,623            | 107,208                        | 94,386            | 111,798                       | 4.28%                                 | 18.45%   |
| MPWMD Admin. Expenses                                 | 56,718            | 49,527                         | 49,160            | 61,520                        | 24.22%                                | 25.14%   |
| PBCo / IRWUG Expenses                                 | 50,638            | 53,505                         | 53,775            | 55,926                        | 4.52%                                 | 4.00%    |
| Potable Water Costs                                   | 7,013             | 3,957                          | 6,750             | 6,750                         | 70.60%                                | 0.00%    |
| MPWMD fee   | 72,776            | 70,000                         | 90,000            | 70,000                        | 0.00%                                 | -22.22%  |
|   | 2,433,694         | 3,128,349                      | 2,849,194         | 3,421,188                     | 9.36%                                 | 20.08%   |
| Operating Income/(Loss) before                        |                   |                                |                   |                               |                                       |          |
| Amortization  | 4,405,044         | 4,212,807                      | 4,150,806         | 4,057,756                     | -3.68%                                | -2.24%   |
| Non OperatingRevenues/(Expense                        |                   |                                |                   |                               |                                       |          |
| Interest Income                                       | 12,112            | 16,217                         | 30,170            | 25,015                        | 54.25%                                | -17.09%  |
| Bond Carrying Costs                                   | (20,055)          | (20,000)                       | (25,000)          | (20,000)                      |                                       | -20.00%  |
| Bank charges  | 0                 | 0                              | (75)              | (35)                          |                                       | -53.33%  |
| Interest to MPWMD                                     | (22,875)          | (7,625)                        | (7,625)           | 0                             | -100.00%                              | -100.00% |
| Principal Pymt to MPWMD                               | (500,000)         | (500,000)                      | (500,000)         | 0                             | -100.00%                              | -100.00% |
| LC Carrying Costs                                     | (52,107)          | (26,650)                       | (28,800)          | (24,000)                      |                                       | -16.67%  |
| COP Interest Expense                                  | (3,450)           | (2,708)                        | (18,200)          | (13,000)                      |                                       | -28.57%  |
| COP Principal Payment                                 | (2,400,000)       | (2,500,000)                    | (2,500,000)       | (2,600,000)                   |                                       | 4.00%    |
| Interest on Principal Advanced                        | (46,718)          | (61,515)                       | (70,000)          | (35,880)                      |                                       | -48.74%  |
| Past LC fees/Bond Carry Cost                          | (552,000)         | (552,000)                      | (552,000)         | (552,000)                     |                                       | 0.00%    |
| Other Revenue/(Expense)                               | 0                 | 0                              | (158,000)         | 0                             | n/a                                   | n/a      |
| 5   | (3,585,094)       | (3,654,281)                    | (3,829,530)       | (3,219,900)                   | -11.89%                               | -15.92%  |
| Income/(Loss) before Capital                          | 819,950           | 558,526                        | 321,276           | 837,856                       | 50.01%                                | 160.79%  |
|   |                   |                                |                   |                               |                                       |          |
| Capital Budget  | 05.040            | 445 000                        | 404 750           | 007 000                       | 400 000                               | 440404   |
| Purchases   | 35,346            | 115,000                        | 164,750           | 237,300                       | 106.35%                               | 44.04%   |
| Improvement Projects                                  | 319,966           | 379,453                        | 959,900           | 1,220,556                     | 221.66%                               | 27.15%   |
| ,   | 355,312           | 494,453                        | 1,124,650         | 1,457,856                     | 194.84%                               | 29.63%   |
| Net Income/(Loss)                                     | 464,638           | 64,073                         | (803,374)         | (620,000)                     | -1067.64%                             | -22.83%  |
| Less Unspent Capital<br>Less Excess O&M Contributions |                   |                                | 803,374           | 620,000<br>0                  |                                       |          |
| Balanced Net Income                                   | 464,638           | 64,073                         | 0                 | (0)                           | -100.00%                              | n/a      |
| Amortization Exp                                      | 1,744,169         | 1,700,000                      | 1,680,000         | 1,700,000                     | 0.00%                                 | 1.19%    |

## CAWD/PBCSD RECLAMATION PROJECT REVENUE PROJECTIONS FY 2022-23

| Description   | Acct.<br>No.                     | Actual<br>2020-21         | Estimated<br>Actual<br>2021-22 | 2021-22<br>Budget            | Proposed<br>2022-23<br>Budget | Comments   |
|---|----------------------------------|---------------------------|--------------------------------|------------------------------|-------------------------------|--|
| Revenue   |                                  |                           |                                |                              |                               |  |
| Interest Income - County  | 99906                            | 11                        | 8                              | 40                           | 15                            | O&M operating funds are on deposit with the County of Monte                  |
| Interest Income - Bank of America   | 99904                            | 0                         | 0                              | 40                           | 0                             | Water sales revenue funds are invested in money market acc                   |
| Interest Income- (O&M Reserve & Cap Repl)<br>Gain (loss) on Securities<br>Interest Income - Union Bank (O&M)<br>Interest Income - Wells Fargo Escrow Acct | 99908<br>99936<br>99910<br>99912 | 7,158<br>4,927<br>16<br>0 | 5,813<br>10,396<br>0<br>0      | 15,000<br>15,000<br>75<br>15 | 10,000<br>15,000<br>0<br>0    | Renewal & replacement funds invested in highly rated comm'l                  |
| Other Revenue   | 99945                            | 0                         | 0                              | 0                            | 0                             |  |
| Water Sales (inc. late pmts)<br>Fixed Cost Charge   | 52000                            | 2,718,134<br>4,120,604    | 2,805,618<br>4,535,537         | 2,884,000<br>4,116,000       | 3,421,188<br>4,057,756        | See schedule p. 17   |
| MPWMD fees (8.325%)   | 53000                            | (72,776)                  | (70,000)                       | (90,000)                     | (70,000)                      | Increase due to resumption of Districts User Fee on Cal-Am<br>bills          |
| TOTAL REVENUE   |                                  | 6,778,074                 | 7,287,373                      | 6,940,170                    | 7,433,959                     | 7.1% increase from 21-22 budget<br>2.0% increase from 21-22 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 Carying Costs, Operation and Maintenance Expenses and Operating Revenues, of the Financing Implementation Agreement Relating to Wastewater Reclamation Project dated Dec 1, 1992.

|   | Acct  | Actual  | Estimated<br>Actual | 2021-22                                 | Proposed<br>2022-23   |  |
|---|-------|---------|---------------------|---|---|--|
| ITEM  | No.   | 2020-21 | 2021-22             | Budget                                  | Budget  | Comments/Notes   |
| LANT OPERATING EXPENSES:                            |       |         |                     |   |   |  |
| Plant Salaries, Benefits & Overhead                 |       |         |                     |   |   |  |
| Plant Superintendent                                | 61100 | 16,913  | 19,082              | 17,385                                  | 19,655  |  |
| Laboratory Supervisor                               | 61200 | 32,137  | 24,653              | 36,709                                  | 25,392  |  |
| Laboratory Technicians                              | 61300 | 60,623  | 77,316              | 60,902                                  | 79,635  |  |
|   |       |         |                     |   |   | need to add 208 hours of additional hours due to increased RO CIP's based on   |
| Plant Operators                                     | 61400 | 157,549 | 207,590             | 157,205                                 | 213,818   | Trussell's recommendation  |
| Maintenance Supervisor                              | 61450 | 9,290   | 19,990              | 9,907                                   | 20,589  |  |
| Maintenance Mechanics                               | 61500 | 31,557  | 31,859              | 37,521                                  | 32,815  |  |
| Plant Engineer                                      | 61600 | 8,921   | 16,833              | 30,000                                  | 17,338  |  |
| Safety Officer                                      | 61700 | 9,680   | 13,501              | 8,845                                   | 13,906  |  |
| Differential PR                                     | 62000 | 16,723  | 19,006              | 15,942                                  | 19,576  |  |
| Payroll Taxes, Benefits & Indirect Overhead         | 62100 | 171,787 | 214,915             | 187,207                                 | 221,362   |  |
|   | 62100 |         |                     |   |   |  |
| OTAL PLANT SALARIES                                 |       | 515,180 | 644,744             | 561,623                                 | 664,086   | _ COLA 3.8%  |
| nergy Cost  |       |         |                     |   |   |  |
| Tertiary Operations                                 | 63300 | 195,526 | 257,961             | 197,287                                 | 278,598   | plus/minus due to weather conditions and storage levels                        |
| MF/RO Pad   | 63400 | 238,578 | 273,748             | 248,586                                 | 295,648   |  |
| Secondary Costs - EQ Basin PD Blower                | 63500 | 134,199 | 143,841             | 132,241                                 | 151,033   |  |
| SUBTOTAL  |       | 568,302 | 675,550             | 578,114                                 |   | 7.3% greater than 21-22 projected actual                                       |
|   |       |         |                     | an na ann an Anna an Anna Anna Anna Ann | andan v Barnandari and Kalifanya ya Anda ya Anda ya Anda ya Anda ya Anda ya |  |
| Chemical Costs:                                     |       |         |                     |   |   |  |
| Low Mag Ferric                                      | 64150 | 8,531   | 0                   | 0                                       | 0   |  |
|   |       |         |                     |   |   | 15% increase by vendor and increased frequency to monthly as recommended by    |
| Clean-in-place chemicals                            | 64200 | 18,302  | 22,340              | 25,000                                  |   | Truessell  |
| Antiscalant   | 64400 | 30,577  | 46,122              | 25,700                                  | 48,000  | 73% increase from vendor (current balance includes cost increase on some orde  |
| Phenylarsine oxide                                  | 64410 | 536     | 0                   | 1,035                                   | 1,150   | 10% increase by vendor   |
| Acetate buffer solution                             | 64420 | 32      | 77                  | 288                                     | 320   | 10% increase by vendor   |
| lodine solution                                     | 64430 | 253     | 131                 | 288                                     | 500   | 10% increase by vendor   |
| Citiric Acid  | 65160 | 22,323  | 48,859              | 21,600                                  | 85,000  | 340% increase per gallon by vendor. Budget amount also includes fuel surcharge |
| Sulfuric Acid                                       | 65170 | 24,388  | 44,357              | 30,000                                  |   | includes slight increase and fuel surcharges                                   |
| Acetic Acid   | 65180 | 624     | 1,112               | 920                                     |   | 10% increase by vendor   |
| Sodium Bisulfite                                    | 65200 | 55,065  | 48,487              | 57,700                                  |   | This is assuming 12 months of operation  |
|   |       |         |                     |   |   |  |
| Sodium Hypochlorite                                 | 65250 | 27,373  | 39,760              | 35,000                                  |   | 12% increase expected by vendor- assuming 12 months of operation               |
| Polymer   | 65400 | 12,894  | 8,230               | 18,000                                  |   | 9% increase from vendor (4 totes/yr)   |
| Gypsum  | 65500 | 0       | 0                   | 0                                       | 0   |  |
| Miscellenous chemicals                              | 65600 | 249     | 2,779               | 1,150                                   | 1,150   |  |
| Potassium Hydroxide                                 | 65700 | 0       | 40,861              | 28,000                                  | 29,960  | 7% increase expected by vendor-only purchased once a year                      |
| Potassium iodate solution                           | 65725 | 285     | 0                   | 690                                     |   | 10% increase by vendor   |
| Potassium iodide                                    | 65750 | 2,014   | 0                   | 2,558                                   | 2,900   | 10% increase by vendor   |
| Ammonia Hydroxide                                   | 65800 | 55,333  | 84,639              | 63,000                                  | 89,000  | Vendor was unsure of the actual increase for next year.                        |
| Phosphoric Acid                                     | 65900 | 0       | 0                   | 0                                       | 0   |  |
|   |       |         |                     |   |   | Cost estimate based on limited usage because of supply issues or alternative   |
| PHOS-58   | 65910 | 42,832  | 132,545             | 67,875                                  | 100,000   | coagulants   |
| Enzymes   | 65920 | 1,651   | 0                   | 6,750                                   | 7,000   |  |
| SUBTOTAL  |       | 303,263 | 520,299             | 385,554                                 | 583,205   |  |
| Operation Stupling Direct                           |       |         |                     |   |   |  |
| Operating Supplies - Plant<br>Repairs & Maintenance | 66400 | 70 407  | 00.007              | 70.000                                  | 00.000  |  |
|   | 66100 | 76,427  | 90,007              | 78,000                                  |   | Valves. Walk thru, check spares  |
| Plant Pumps   | 66190 | 24,431  | 58,840              | 20,000                                  | 30,000  |  |
| Laundry   | 66200 | 697     | 728                 | 1,500                                   | 1,500   |  |
| Lubricants\Packing                                  | 66300 | 49      | 0                   | 1,000                                   | 1,000   |  |
| Electrical Supplies                                 |       |         |                     |   |   |  |

|  | Acet  | Actual   | Estimated   | 2024 22  | Proposed  |  |
|--|---|--|---|--|---|--|
| ITEM   | Acct<br>No.   | Actual<br>2020-21  | Actual 2021-22  | 2021-22<br>Budget  | 2022-23<br>Budget   | Comments/Notes   |
|  | NO.   | 2020-21  | 2021-22   | Budget   | Budget  | Increase budget 5% to \$30,450 lab general supplies (includes extra analysis for<br>superintendent and 12% increase by Hach.) ,UV lamp \$250(50/50), Isco Portable<br>Sampler (1 new samplers) \$4800/each (all Reclamation cost), IDEXX Quanti Tra  |
| Laboratory Supplies  | 66500   | 38,199   | 63,117  | 44,000   | 46,200  | sealer \$4000 (50/50)- If needed. RD   |
| Paint  | 66600   | 0  | 0   | 5,000  | 2,000   |  |
| Postage & Office Supplies  | 67000   | 808  | 111   | 500  | 1,000   |  |
| First Aid Supplies   | 67100   | 0  | 0   | 200  | 200   |  |
| Janitorial Supplies  | 67100   | 0  | 0   | 200  | 0   |  |
| Personnel Supplies   | 67400   | 302  | 0   | 1,000  | 1,000   |  |
| Hand Tools   | 67600   | 631  | 0   | 1,000  | 1,500   |  |
| General Operating Supplies   | 67700   | 65   | 1,038   | 2,000  | 1,000   |  |
| Safety<br>Training   | 67800   | 4,417  | 3,266<br>0  | 2,500  |   | add shower cost, Mark to send out detail   |
| Training   | 67900   | 1,245<br>155,007   | 229,196   | 2,500<br>171,400   | 2,500<br>204,175  |  |
| embrane Costs  |   | t Via tage t   | ant the july to second  | nengana kuan   |   |  |
|  |   |  |   |  |   | Purchase of one sets of membranes per discussion during Trussell meeting on  |
| Microfilter Membrane Modules   | 67510   | 103,057  | 132,700   | 132,700  | 160,000   | 4/1/2022 (price increase of 20%)   |
| Annual Cartridge Filter Replacement  | 66700   | 4,233  | 10,426  | 10,000   |   | 25% increase by vendor   |
| RO Membrane Elements   | 67500   | 0  | 0   | 0  | 15,000  | -  |
| Spare Parts & Outfitting   | 66750   | 14,932   | 8,536   | 15,000   | 25,000  | Increase due to increasing inventory due to long lead times for critical parts   |
|  |   | 122,222  | 151,662   | 157,700  | 212,500   |  |
| strashiel Ose is a   |   |  |   |  |   |  |
| ntractual Services:  | 60400   | 0  | 0   | 500  | 500   |  |
| Chemical Waste Disposal  | 68100   | •  | -   |  | 500   | Entry LIDS and the another with the MEDia level to an thread DLC   |
| Plant Instrumentation  | 68200   | 35,065   | 41,257  | 38,800   | 38,800  | Eaton UPS service, pressure switchs, VFD's, level transducers, PLC,  |
| Fire Extinguisher Service  | 68300   | 0  | 226   | 250  | 500   |  |
| Calibration  | 68400   | 4,724  | 2,573   | 5,382  |   |  |
| Contract Laboratory Analysis<br>Contract Lab Staffing  | 68500   | 5,328<br>0   | 12,724<br>0   | 5,400<br>0   | 6,500   | RO Quarterly Analysis.   |
| Gypsum Injection System Maintenance/Lease  | 68600   | 0  | 0   | 0  | 0   |  |
| Contract Painting  | 68700   | ő  | ő   | ő  | ő   |  |
|  |   |  |   |  |   | Ignition license, Mainsaver, Interlogx, Trussell, SDSOnline. MF/RO Proprietary<br>software-PLCs etc. H2O Innovations remote monitoring of increased recovery<br>upgrade. Provides portal for analysis to further increase recovery optimization.<br>are limited by our effluent permit limits. It allows access to our data in a format<br>to the software the software the software to be a softwar |
|  |   |  |   |  |   | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold   |
|  | 68710   | 19,766   | 40,430  | 30,500   |   |  |
| System software/IT consulting<br>SAR Equipment Maintenance   | 68720   | 0  | 0   | 0  | 0   | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold   |
| SAR Equipment Maintenance<br>Hoist Certification   | 68720<br>68730  | 0<br>572   | 0<br>1,349  | 0<br>900   | 0<br>1,000  | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold   |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment   | 68720<br>68730<br>68900   | 0<br>572<br>211  | 0<br>1,349<br>229   | 0<br>900<br>250  | 0<br>1,000<br>250   | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold   |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment<br>Alarm - Chlorine Equipment   | 68720<br>68730<br>68900<br>68910  | 0<br>572<br>211<br>0   | 0<br>1,349<br>229<br>0  | 0<br>900<br>250<br>0   | 0<br>1,000<br>250<br>0  | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold   |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance  | 68720<br>68730<br>68900   | 0<br>572<br>211<br>0<br>0  | 0<br>1,349<br>229<br>0<br>0   | 0<br>900<br>250<br>0<br>0  | 0<br>1,000<br>250<br>0<br>0   | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold   |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance<br>Demolition  | 68720<br>68730<br>68900<br>68910  | 0<br>572<br>211<br>0   | 0<br>1,349<br>229<br>0<br>0<br>0  | 0<br>900<br>250<br>0   | 0<br>1,000<br>250<br>0<br>0<br>0  | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold   |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance<br>Demolition<br>Clearlogx rentl   | 68720<br>68730<br>68900<br>68910  | 0<br>572<br>211<br>0<br>0<br>0<br>0                                    | 0<br>1,349<br>229<br>0<br>0<br>0<br>0   | 0<br>900<br>250<br>0<br>0<br>0<br>0                              | 0<br>1,000<br>250<br>0<br>0<br>0<br>0   | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold   |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance<br>Demolition  | 68720<br>68730<br>68900<br>68910  | 0<br>572<br>211<br>0<br>0  | 0<br>1,349<br>229<br>0<br>0<br>0  | 0<br>900<br>250<br>0<br>0  | 0<br>1,000<br>250<br>0<br>0<br>0  |  |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance<br>Demolition<br>Clearlogx rentl<br>SUBTOTAL<br>es & Permits<br>gineering Fees:  | 68720<br>68730<br>68900<br>68910<br>69400<br>69400                            | 0<br>572<br>211<br>0<br>0<br>0<br>65,666<br>2,666                      | 0<br>1,349<br>229<br>0<br>0<br>0<br>0<br>98,787<br>3,512                          | 0<br>900<br>250<br>0<br>0<br>0<br>81,982<br>5,500                | 0<br>1,000<br>250<br>0<br>0<br>0<br>85,450<br>5,500   | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold<br>Support \$11,329.74 (50/50) &Parser \$5.7K (50/50),<br>ELAP appl. FOA \$3500 (50/50) , TNI 3RD PARTY \$7500 (50/50)RD  |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance<br>Demolition<br>Clearlogx rentl<br>SUBTOTAL<br>es & Permits<br>glineering Fees:<br>Consulting   | 68720<br>68730<br>68900<br>68910<br>69400<br>69400                            | 0<br>572<br>211<br>0<br>0<br>0<br>65,666<br>2,666<br>29,217            | 0<br>1,349<br>229<br>0<br>0<br>0<br>0<br>98,787<br>3,512<br>61,663                | 0<br>900<br>250<br>0<br>0<br>0<br>0<br>81,982                    | 0<br>1,000<br>250<br>0<br>0<br>0<br>85,450<br>5,500<br>35,000                               | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold<br>Support \$11,329.74 (50/50) &Parser \$5.7K (50/50),<br>ELAP appl. FOA \$3500 (50/50) , TNI 3RD PARTY \$7500 (50/50)RD<br>Trussell Technologies   |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance<br>Demolition<br>Clearlogx rentl<br>SUBTOTAL<br>es & Permits<br>gineering Fees:<br>consulting<br>/embrane Cleaning Pilot   | 68720<br>68730<br>68900<br>68910<br>69400<br>69400<br>69110<br>69200<br>69250 | 0<br>572<br>211<br>0<br>0<br>0<br>65,666<br>2,666<br>29,217<br>0       | 0<br>1,349<br>229<br>0<br>0<br>0<br>0<br>98,787<br>3,512<br>61,663<br>0           | 0<br>900<br>250<br>0<br>0<br>0<br>81,982<br>5,500                | 0<br>1,000<br>250<br>0<br>0<br>85,450<br>5,500<br>35,000<br>20,000                          | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold<br>Support \$11,329.74 (50/50) &Parser \$5.7K (50/50),<br>ELAP appl. FOA \$3500 (50/50) , TNI 3RD PARTY \$7500 (50/50)RD  |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance<br>Demolition<br>Clearlogx rentl<br>SUBTOTAL<br>es & Permits<br>gineering Fees:<br>Consulting<br>Wembrane Cleaning Pilot<br>Disposal expense   | 68720<br>68730<br>68900<br>68910<br>69400<br>69110<br>69200<br>69250<br>69350 | 0<br>572<br>211<br>0<br>0<br>65,666<br>29,217<br>0<br>0                | 0<br>1,349<br>229<br>0<br>0<br>0<br>0<br>98,787<br>3,512<br>61,663<br>0<br>0      | 0<br>900<br>250<br>0<br>0<br>0<br>81,982<br>5,500<br>63,000      | 0<br>1,000<br>250<br>0<br>0<br>85,450<br>5,500<br>35,000<br>20,000<br>0                     | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold<br>Support \$11,329.74 (50/50) &Parser \$5.7K (50/50),<br>ELAP appl. FOA \$3500 (50/50) , TNI 3RD PARTY \$7500 (50/50)RD<br>Trussell Technologies   |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance<br>Demolition<br>Clearlogx rentl<br>SUBTOTAL<br>es & Permits<br>gineering Fees:<br>Consulting<br>Membrane Cleaning Pilot<br>Disposal expense<br>Demolition expense                             | 68720<br>68730<br>68900<br>68910<br>69400<br>69400<br>69110<br>69200<br>69250 | 0<br>572<br>211<br>0<br>0<br>0<br>0<br>65,666<br>29,217<br>0<br>0<br>0 | 0<br>1,349<br>229<br>0<br>0<br>0<br>0<br>98,787<br>3,512<br>61,663<br>0<br>0<br>0 | 0<br>900<br>250<br>0<br>0<br>0<br>0<br>81,982<br>5,500<br>63,000 | 0<br>1,000<br>250<br>0<br>0<br>0<br>85,450<br>5,500<br>35,000<br>20,000<br>0<br>0           | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold<br>Support \$11,329.74 (50/50) &Parser \$5.7K (50/50),<br>ELAP appl. FOA \$3500 (50/50) , TNI 3RD PARTY \$7500 (50/50)RD<br>Trussell Technologies   |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance<br>Demolition<br>Clearlogx rentl<br>SUBTOTAL<br>es & Permits<br>gineering Fees:<br>Consulting<br>Aembrane Cleaning Pilot<br>Disposal expense                       | 68720<br>68730<br>68900<br>68910<br>69400<br>69110<br>69200<br>69250<br>69350 | 0<br>572<br>211<br>0<br>0<br>65,666<br>29,217<br>0<br>0                | 0<br>1,349<br>229<br>0<br>0<br>0<br>0<br>98,787<br>3,512<br>61,663<br>0<br>0      | 0<br>900<br>250<br>0<br>0<br>0<br>81,982<br>5,500<br>63,000      | 0<br>1,000<br>250<br>0<br>0<br>85,450<br>5,500<br>35,000<br>20,000<br>0                     | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold<br>Support \$11,329.74 (50/50) &Parser \$5.7K (50/50),<br>ELAP appl. FOA \$3500 (50/50) , TNI 3RD PARTY \$7500 (50/50)RD<br>Trussell Technologies   |
| SAR Equipment Maintenance<br>Hoist Certification<br>Alarm-Tertiary Equipment<br>Alarm - Chlorine Equipment<br>Ion Chromatograph- Annual Maintenance<br>Demolition<br>Clearlogx rentl<br>SUBTOTAL<br>es & Permits<br>gineering Fees:<br>Consulting<br>Membrane Cleaning Pilot<br>Disposal expense<br>Demolition expense | 68720<br>68730<br>68900<br>68910<br>69400<br>69110<br>69200<br>69250<br>69350 | 0<br>572<br>211<br>0<br>0<br>0<br>0<br>65,666<br>29,217<br>0<br>0<br>0 | 0<br>1,349<br>229<br>0<br>0<br>0<br>0<br>98,787<br>3,512<br>61,663<br>0<br>0<br>0 | 0<br>900<br>250<br>0<br>0<br>0<br>0<br>81,982<br>5,500<br>63,000 | 0<br>1,000<br>250<br>0<br>0<br>0<br>85,450<br>5,500<br>35,000<br>20,000<br>0<br>0<br>55,000 | \$1.6K (50/50), Exceedio \$3.4K (didn't budget for this last year)-ATL LIMS Gold<br>Support \$11,329.74 (50/50) &Parser \$5.7K (50/50),<br>ELAP appl. FOA \$3500 (50/50) , TNI 3RD PARTY \$7500 (50/50)RD<br>Trussell Technologies   |

| ITEM   | Acct<br>No. | Actual<br>2020-21 | Estimated<br>Actual<br>2021-22 | 2021-22<br>Budget | Proposed<br>2022-23<br>Budget | Comments/Notes  |
|--|-------------|-------------------|--------------------------------|-------------------|-------------------------------|---|
|  |             |                   |                                |                   |                               | Committeneda  |
| PEBBLE BEACH COM SVC DISTRICT<br>DISTRIBUTION SYSTEM ADMIN & MAINT:<br>Salaries, Benefits & Overhead |             |                   |                                |                   |                               |   |
| General Manager  | 71000       | 0                 | 0                              | 0                 | 0                             |   |
| Principal Engineer   | 71100       | 11,291            | 10,733                         | 12,000            | 10,000                        |   |
| Finance Director   | 71200       | 810               | 1,658                          | 1,500             | 2,000                         | Project related duties. Prior years experience and next year's anticipated activities are use<br>in the prediction of the FY 2022-23 estimated hours. FY 2022/23: COLA estimated at 4.7%  |
| Senior Accountant/Accountant   | 71300       | 3,137             | 3,841                          | 5,000             | 4,500                         | Increase in engineering salaries due to planned addition of an engineering position and   |
| Administrative Coordinator   | 71400       | 362               | 606                            | 500               | 500                           | increase in hours billed related to capital project management. Other Staffing Notes: In Ju   |
| Finance & Info Sys Coordinator   | 71500       | 576               | 0                              | 0                 | 0                             | 2021 a senior accountant was promoted to Finance Director, and the Finance & Info Sys<br>Ccordinator was promoted to Accountant, While there is a planned addition of Environmer  |
| Senior/Associate/Associate Engineers   | 71600       | 1,684             | 6,192                          | 6,000             | 10,500                        | Compliance Coordinator position, it is unknown to what extent the Reclamation will be bille   |
| Engineering Intern   | 71700       | 522               | 160                            | 500               |                               | as such, no budget is included.   |
| Payroll Taxes , Benefits & Overhead  | 71800       | 8,930             | 11,595                         | 12,750            |                               | The payroll taxes, benefits and indirect overhead is calculated at 50% as agreed upon by t  |
| SUBTOTAL   |             | 27,312            | 34,785                         | 38,250            | 42,000                        | _ project participants.   |
| Other Administrative & General Expenses:   |             |                   |                                |                   |                               | Property (\$5,000) / Liability (\$2,500) FY 2022/23 Budgeted based on an 15% increase from actual   |
| Insurance - Property & Liability   | 72100       | 5,396             | 6,316                          | 8,500             | 7,500                         | paid in 2021/22   |
| Insurance - Earthquake   | 72100       | 20,423            | 23,071                         | 22,000            | 26,000                        | \$25M Policy limit - FL Reservoir (\$18,500) & Poppy Hills Storage Tank (\$8,500); FY 2022/23 Budget based on an 15% increase from actual paid in 2021/22<br>In 2020-21 due to substantial increase in insurance costs, reduced coverage from \$10M to \$5M. (The second |
| Insurance - Forest Lake Dam Failure Liability  | 72100       | 3,026             | 3.476                          | 5,000             | 4 000                         | cost of \$10M coverage is \$28,000); FY 2022/23 Budget based on an 15% increase from actual paid<br>2021/22   |
| Directors Fees   | 72200       | 300               | 100                            | 500               |                               | 2021/22<br>2 Directors x 5 meetings/year x \$50 per meeting   |
| SUBTOTAL   |             | 29,145            | 32,963                         | 36,000            | 38,000                        |   |
| otal Administrative & General Expenses   | Γ           | 56,457            | 67,748                         | 74,250            | 80,000                        | 1   |
| listribution System O.&M. Expenses:  |             |                   |                                |                   |                               |   |
| Salaries, Benefits & Overhead:   |             |                   |                                |                   |                               |   |
|  |             |                   |                                |                   |                               | Calculated based on the estimated time to operate and maintain the Forest Lake Reservoir, 8 miles<br>distribution pipeline, the 2.5M gallon storage tank, and the Viscaino Rd emergency potable water   |
| Field Operations Supervisor  | 73000       | 4,093             | 8,694                          | 13,000            | 10,000                        | station. FY 2022/23 COLA estimated at 4%; Total of 6 Maintenance staff budgeted (1 Ops Supervi  |
| Maintenance Technicians  | 73100       | 47,743            | 45,210                         | 45,000            | 50,000                        | and 5 Maint Technicians/Workers)  |
|  |             |                   |                                |                   |                               | The payroll taxes, benefits and indirect overhead is calculated at 50% as agreed upon by the project  |
| Payroll taxes, Benefits & Overhead   | 73200       | 25,918            | 26,952                         | 29,000            | 30,000                        | participants.   |
| SUBTOTAL   |             | 77,754            | 80,856                         | 87,000            | 90,000                        | -   |
| Energy & Utilities:  |             |                   |                                |                   |                               |   |
|  |             |                   |                                |                   |                               | PBCSD pumps will be turned on during emergencies. PBCSD pays a minimum of 1% of the cost per  |
| Potable Water Pump Station - PG&E  | 74000       | 566               | 696                            | 1,000             | 1,000                         | agreement with CalAm. In Sep 2018 purchase of potable water resulted in temporary increase in<br>pump station electricity use.  |
| COADA Custom DCL ATM / Talamata Anala  | 74000       | 40.000            | 44 400                         | 40.000            | 40.000                        | Monthly AT&T / Comcast & Verizon charges for lines between Potable Water Pump Station, Forest   |
| SCADA System: DSL ATM / Telemetry Analo  | 74200       | 10,098            | 11,133                         | 12,000            | 12,000                        | Lake, CAWD and PBCSD.<br>Annual maint agmt for Cell Phone Alarm System at Poppy Hills Storage Tank and PB Golf Links 4th  |
| Wireless Alarm Sys Chg (Mission)   | 74300       | 911               | 947                            | 1,000             | 1,000                         | Fairway / 18th Green.   |
|  |             |                   |                                |                   |                               | Budgeted based on previous experience & anticipated operations (2019/20: Includes addition of a n   |
|  |             |                   |                                |                   |                               | VFD pump at Forest Lake while Reclam Tank is out of commission due to rehab project); FY 2022/2<br>decreased budget to reflect actual recent costs plus a small cushion for anticipated rate increases.   |
| Forest Lake Treatment Facility (PG&E)  | 74400       | 26,620            | 28,162                         | 35,000            | 30,000                        |   |
| Forest Lake Eyewash Station (CalAm)  | 74500       | 965               | 1,096                          | 1,000             | 1,500                         | Budgeted based on previous experience. Includes service to eyewash station at the chemical buildi   |
| Poppy Hill Booster Pump Station - PG&E   | 74600       | 927               | 1,090                          | 1,500             | 1,500                         | Budgeted based on previous experience & anticipated operations.   |
| Cathodic Protection  | 74700       | 1,039             | 985                            | 1,500             | 1 000                         | 2 Locations: Forest Lake Rd & Whitman Ln; Budgeted based on previous experience & anticipated<br>operations   |
| SUBTOTAL   |             | 41,126            | 44,109                         | 53,000            | 48,000                        |   |
| ource Water / Dry Weather Diversion  |             |                   |                                |                   |                               |   |
|  |             |                   |                                |                   |                               | Materials/Supplies for Reclam Wells (MPCC #8 / MPCC #9 / Bird Rock); FY 2022/23 Budgeted \$1,00   |
| Reclamation Source Water   | 77600       | 3,456             | 1,175                          | 3,000             |                               | per location.   |

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|   | Acct  | Actual           | Estimated<br>Actual | 2021-22 | Proposed<br>2022-23 |   |
|---|-------|------------------|---------------------|---------|---------------------|---|
| ITEM  | No.   | 2020-21          | 2021-22             | Budget  | Budget              | Comments/Notes  |
| 4th Fairway Dry Weather Diversion Facility    | 77700 | 5,091            | 2,613               | 4,000   | 2,000               |   |
|   |       |                  |                     |         |                     | FY 2022/23: Neptune Meter at Bird Rock Well / Remote Reporting (Cloud-Based) Annual Service<br>(\$2,750); Badger Meter annual cellular svc chg (\$250) for the other 2 well sites, and 2 dry-weath                    |
| Remote Flow Monitoring                        | 77900 | 0                | 2,988               | 3,000   | 4,000               | diversion sites. Bird Rock Well Level / MPCC #8 Well Level (In-Situ) \$480 (2x\$120/site)<br>Cost to provide primary and secondary treatment at CAWD Treatment Plant. Alterntive Source We                            |
| Water Treatment Cost                          | 77800 | 64.000           | 05 000              | 90.000  | 445.000             | Locations @ MPCC Well No 8 / 9 & Bird Rock; Pebble Beach Golf Links 4th Fairway / 18th Green<br>(came on line in 2021/22); 18th Fairway   |
| SUBTOTAL                                      | //800 | 64,238<br>72,784 | 85,000<br>91,776    | 100,000 | 115,000<br>124,000  |   |
|   |       | 12,104           | 31,770 .            | 100,000 | 124,000             |   |
| ribution System - Other O.&M. Expenses:       |       |                  |                     |         |                     |   |
| Other professional services                   | 75200 | 539              | 1,178               | 1,000   | 1,500               |   |
|   |       |                  |                     |         |                     | <ol> <li>SWRCB-General Permit (\$5,000) 2. DSOD-Forest Lake Operating Permit (\$24,000) 3. MBUAPC<br/>Viscaino Generator (\$400) / Environ Health-Viscaino Fuel Tank Permit (\$600) (PBCSD: 2/5 &amp; Cal.</li> </ol> |
| Permits                                       | 75300 | 20,861           | 24,055              | 30,000  | 30,000              |   |
|   | 10000 | 20,001           | 1,000               | 00,000  | 001000              |   |
| Fuel  | 75500 | 2,077            | 3,616               | 2,500   | 4,000               | Maint & safety programs (regist/materials/travel/misc exp. Memberships & Certif) Includes Wat   |
| Training & Tuitions                           | 75600 | 2,099            | 2,000               | 5,000   | 2,500               | Awareness Committee Membership (\$1K); Watereuse Membership & training for maint employee ( $(1.5K)$  |
|   |       |                  |                     |         |                     | Maintenance, diagnostic & consulting svcs related to GIS Development (Wallace Group); FY 2022   |
| SCADA System software/IT consulting           | 75800 | 2,427            | 3,000               | 3,000   | 7,000               | Plan to update PBCSD/Info Sys to add Reclamation distribution lines layer.  |
| SCADA Platform Support Svcs Subscription      | 75900 | 0                | 4,378               | 10.000  | 7 000               | Inductive Ignition Support Services Subscription (25% Reclam = \$1.5K); Annual SCADA Updates<br>Programming Costs (E2 Consulting / Frisch Engineering) - Assignment #50 (\$5.5K)                                      |
| SCADA Plation in Support Svos Subscription    | 75900 | 0                | 4,570               | 10,000  | 7,000               | Programming Costs (Ez Consularg / Prisch Engineering) - Assignment #30 (\$5.5K)   |
|   |       |                  |                     |         |                     | Misc General Consulting (\$5K); Annual DSOD Report (\$20K); Forest Lake Annual Monument Sun   |
| Consulting Services                           | 76000 | 38,061           | 71,010              | 75,000  | 80,000              | (\$5K). FY 2022/23: Addition of CAWD condition assessment 3rd party review (\$50K)  |
| Reclamation Line Distribution Sys             | 76300 | 4,226            | 2,966               | 10,000  |                     | Meter calibration & Other General Repairs and Maintenance (R&M); Materials & Supplies   |
| Viscaino Rd/Poppy Hills Pump Station          | 76400 | 2,163            | 2,337               | 4,000   | 4,000               | Prev Maint / Annual load bank test / Underground tank leak detect & general R&M   |
|   |       |                  | 4 450               | 0.000   | 0.000               | Quarterly Reimbursement to Maintenance Crew for vehicle mileage paid for work performed after   |
| Call Out Mileage Expense                      | 76500 | 1,414            | 1,453               | 2,000   | 2,000               | hours, weekends & holidays  |
| Forest Lake Reservoir - R & M                 | 76600 | 18,165           | 4,785               | 25,000  | 25,000              | General / Emergency repairs to Forest Lake  |
|   |       |                  |                     | ( ====  |                     | Includes Cathodic Protect Inspection (every 3 yrs) / Tank (15-Point) Inspection (every 3 yrs) / A   |
| Poppy Hills Storage Tank (2.5 million gallon) | 76700 | 2,308            | 1,582               | 1,500   |                     | Cleaning Svc (done Feb/Mar) and Misc R&M  |
| Rescue & Safety Supplies & Equipment          | 76800 | 0                | 0                   | 1,000   | 0                   |   |
| Forest Lake Chemicals                         | 76900 | 30.458           | 31,835              | 40.000  | 40.000              | Sulfuric Acid / Hypochlorite Tablets. Actual costs will be based on water usage. Chemicals needer<br>based on demand, wet weather decreases demand which reduces the chemical purchases.                              |
|   |       |                  |                     | -       | 40,000              | based on demand, wet weather decreases demand which reduces the chemical purchases.   |
| SCADA system equipment                        | 77000 | 43               | 0                   | 1,000   | U                   |   |
| Forest Lake Reservoir - Materials & Supplies  | 77100 | 6.152            | 20.055              | 25,000  | 23,000              | Supplies & Equip: Deployable Probe, Water Sampling, Piezometer, Misc other (\$6K); Gopher Cor<br>(\$2K) / Insecticides (\$15K)  |
| Forest Lake reservoir equipment               | 77200 | 1,267            | 0                   | 0       | 0                   |   |
| Forest Lake reservoir ops service             | 77300 | 15,022           | 0                   | 0       | 0                   |   |
| SUBTOTAL                                      |       | 147,283          | 174,250             | 236,000 | 238,000             | •   |
|   | -     |                  |                     |         |                     |   |
| ofessional Fees - PBCSD:                      | 77000 |                  | •                   | ^       | •                   |   |
| Remote Flow Monitoring                        | 77900 | 0                | 0                   | 0       | 0                   |   |
| SUBTOTAL                                      |       | 0                | 0                   | 0       | 0                   |   |
| Total Distribution System O.&M. Expension     | ses   | 338,947          | 390,991             | 476,000 | 500,000             | -   |
| TAL PBCSD EXPENSES                            | -     | 395,403          | 458,739             | 550.250 | 580 000             | 5.4% increase from 21-22 budget   |
|   |       | - Phase and      | TTA TA TA TA TA TA  |         | 000,000             | 26.4% increase from 21-22 Projected actual  |

|  | Acct  | Actual  | Estimated<br>Actual  | 2021-22  | Proposed<br>2022-23   |  |
|--|---|---|--|--|---|--|
| ITEM   | No.   | 2020-21   | 2021-22  | Budget   | Budget  | Comments/Notes   |
| AWD ADMIN & GENERAL EXPENSES   |   |   |  |  |   |  |
| ADMINISTRATIVE SALARIES  | No.   |   |  |  |   |  |
| General Manager  | 81000   | 2,065   | 1,150  | 1,942  | 1,194   |  |
| Project Accountant   | 81200   | 9,822   | 12,724   | 10,046   | 13,207  |  |
| Engineering Associate  | 81100   | 3,022   | 12,724   | 10,040   | 10,207  |  |
| Admin. Services Coordinator/Scanner  | 81400   | 10,289  | 13,408   | 10,032   | 13,918  |  |
|  |   |   |  |  |   |  |
| Payroll Taxes, Benefits & Overhead<br>SUBTOTAL   | 82100   | 10,998  | 13,641<br>40,924   | 11,010<br>33,030   | 14,160  | COLA 3.8%  |
| SUBTOTAL   |   | 33,114  | 40,324   | 33,030   | 42,4/9  | COEX 3.8%  |
| Administrative & General Expenses:   |   |   |  |  |   |  |
| Office Supplies & Postage  | 84000   | 346   | 289  | 0  | 250   |  |
| Audit & Consulting Fees  | 84100   | 18,450  | 18,450   | 19,050   | 16,850  |  |
| Employee training  | 84200   | 0   | 0  | 0  | 0   |  |
| Directors Fees   | 85000   | 750   | 1,050  | 1,050  | 1,050   |  |
| Legal Notices  | 89400   | 0   | 0  | 0  | 0   |  |
| Legal Fees   | 89400   | 533   | 660  | 1,250  | 750   |  |
| Insurance Expense  | 89500   | 36,369  | 45,836   | 40,006   |   | CSRMA recommends 10-15% increase in insurance  |
| Consulting   | 89600   | 00,005  | -0,000<br>A  | -10,000  | 00,413  |  |
| SUBTOTAL   | 03000   | 56,449  | 66,284   | 61,356   | 69,319  |  |
| SUBTOTAL   | -   | 50,449  | 00,204   | 01,000   | 09,519  |  |
| TOTAL CAWD EXPENSES  | -   | 89,623  | 107,208  | 94,386   | 111,798   | 18.4% increase from 21-22 budget   |
|  |   |   |  |  |   | 4.2% increase from 21-22 Projected actual  |
| IONTEREY PENINSULA WATER MANAGE  | MENT DISTR  | RICT  |  |  |   | 4.276 increase from 21-22 rrojecteu actuar   |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager  |   | RICT<br>7,784   | 6,000  | 6,000  | 6,300   | 4.2 % increase from 21-22 rrojected actual   |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead   | l   |   | 6,000<br>8,000   | 6,000<br>8,000   |   |  |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager  | 91000<br>91200  | 7,784<br>8,307  | 8,000  |  | 8,300   | based on 10 hours  |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant   | 91000<br>91200<br>91300   | 7,784<br>8,307<br>5,022   | 8,000<br>4,000   | 8,000<br>4,000   | 8,300<br>4,200  | based on 10 hours<br>based on 35 hours<br>based on 65 hours  |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager   | 91000<br>91200<br>91300<br>91500  | 7,784<br>8,307  | 8,000  | 8,000  | 8,300<br>4,200  | based on 10 hours<br>based on 35 hours   |
| ONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant  | 91000<br>91200<br>91300   | 7,784<br>8,307<br>5,022   | 8,000<br>4,000   | 8,000<br>4,000   | 8,300<br>4,200  | based on 10 hours<br>based on 35 hours<br>based on 65 hours  |
| MONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL   | 91000<br>91200<br>91300<br>91500  | 7,784<br>8,307<br>5,022<br>7,500  | 8,000<br>4,000<br>7,000  | 8,000<br>4,000<br>7,000  | 8,300<br>4,200<br>7,200   | based on 10 hours<br>based on 35 hours<br>based on 65 hours  |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses  | 91000<br>91200<br>91300<br>91500<br>92100   | 7,784<br>8,307<br>5,022<br>7,500<br>28,613  | 8,000<br>4,000<br>7,000<br>25,000  | 8,000<br>4,000<br>7,000<br>25,000  | 8,300<br>4,200<br>7,200<br>26,000   | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 40 hours   |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge   | 91000<br>91200<br>91300<br>91500<br>92100<br>94300  | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116  | 8,000<br>4,000<br>7,000<br>25,000<br>24,527  | 8,000<br>4,000<br>7,000<br>25,000<br>24,160  | 8,300<br>4,200<br>7,200<br>26,000<br>30,720   | based on 10 hours<br>based on 35 hours<br>based on 65 hours  |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees   | 91000<br>91200<br>91300<br>91500<br>92100<br>94300<br>99400                                     | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77  | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0   | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0   | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500  | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 40 hours<br>8" meter (assumes 20% increase based on actual billings)   |
| ONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge  | 91000<br>91200<br>91300<br>91500<br>92100<br>94300  | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77<br>3,912   | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0<br>0  | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0<br>0  | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500<br>4,300   | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 40 hours<br>8" meter (assumes 20% increase based on actual billings)   |
| ONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees  | 91000<br>91200<br>91300<br>91500<br>92100<br>94300<br>99400                                     | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77  | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0   | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0   | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500  | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 40 hours<br>8" meter (assumes 20% increase based on actual billings)   |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees   | 91000<br>91200<br>91300<br>91500<br>92100<br>94300<br>99400                                     | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77<br>3,912<br>28,105   | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0<br>0<br>24,527  | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0<br>24,160   | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500<br>4,300<br>35,520   | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 40 hours<br>8" meter (assumes 20% increase based on actual billings)   |
| ONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees<br>Office Expense  | 91000<br>91200<br>91300<br>91500<br>92100<br>94300<br>99400                                     | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77<br>3,912   | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0<br>0  | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0<br>0  | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500<br>4,300   | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 40 hours<br>8" meter (assumes 20% increase based on actual billings)<br>Software annual maintenance fee (financial & billing combined software)<br>225.1% increase from 21-22 budget   |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees<br>Office Expense   | 91000<br>91200<br>91300<br>91500<br>92100<br>94300<br>99400                                     | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77<br>3,912<br>28,105   | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0<br>0<br>24,527  | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0<br>24,160   | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500<br>4,300<br>35,520   | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 40 hours<br>8" meter (assumes 20% increase based on actual billings)<br>Software annual maintenance fee (financial & billing combined software)  |
| ONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees<br>Office Expense<br>TOTAL MPWMD EXPENSES  | 91000<br>91200<br>91300<br>91500<br>92100<br>94300<br>99400                                     | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77<br>3,912<br>28,105   | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0<br>0<br>24,527  | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0<br>24,160   | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500<br>4,300<br>35,520<br>61,520   | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 40 hours<br>8" meter (assumes 20% increase based on actual billings)<br>Software annual maintenance fee (financial & billing combined software)<br>225.1% increase from 21-22 budget   |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees<br>Office Expense   | 91000<br>91200<br>91300<br>91500<br>92100<br>94300<br>99400<br>99410                            | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77<br>3,912<br>28,105<br>56,718                                       | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0<br>0<br>24,527<br>49,527                                    | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0<br>24,160<br>49,160                                       | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500<br>4,300<br>35,520<br>61,520   | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 60 hours<br>8" meter (assumes 20% increase based on actual billings)<br>Software annual maintenance fee (financial & billing combined software)<br>[25.1% increase from 21-22 budget<br>24.2% increase from 21-22 Projected actual |
| ONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees<br>Office Expense<br>TOTAL MPWMD EXPENSES<br>BCo / IRWUG Representative  | 91000<br>91200<br>91300<br>91500<br>92100<br>94300<br>99400<br>99400<br>99410                   | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77<br>3,912<br>28,105<br>56,718<br>34,875                             | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0<br>0<br>24,527<br>49,527<br>35,580                          | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0<br>24,160<br>49,160<br>35,850                             | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500<br>4,300<br>35,520<br>61,520<br>37,284                                 | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 60 hours<br>8" meter (assumes 20% increase based on actual billings)<br>Software annual maintenance fee (financial & billing combined software)<br>[25.1% increase from 21-22 budget<br>24.2% increase from 21-22 Projected actual |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees<br>Office Expense<br>TOTAL MPWMD EXPENSES<br>BCo / IRWUG Representative<br>Payroll Taxes, Benefits & Overhead                                 | 91000<br>91200<br>91300<br>92100<br>94300<br>99400<br>99400<br>99410                            | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77<br>3,912<br>28,105<br>56,718<br>34,875                             | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0<br>0<br>24,527<br>49,527<br>35,580                          | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0<br>24,160<br>49,160<br>35,850                             | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500<br>4,300<br>35,520<br>61,520<br>37,284                                 | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 60 hours<br>8" meter (assumes 20% increase based on actual billings)<br>Software annual maintenance fee (financial & billing combined software)<br>[25.1% increase from 21-22 budget<br>24.2% increase from 21-22 Projected actual |
| IONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees<br>Office Expense<br>TOTAL MPWMD EXPENSES<br>BCo / IRWUG Representative<br>Payroll Taxes, Benefits & Overhead<br>R&D Water Sources            | 91000<br>91200<br>91300<br>92100<br>94300<br>99400<br>99400<br>99410                            | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77<br>3,912<br>28,105<br>56,718<br>34,875<br>15,763<br>0              | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0<br>0<br>24,527<br>49,527<br>49,527<br>35,580<br>17,925<br>0 | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0<br>24,160<br>49,160<br>35,850<br>17,925<br>0              | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500<br>4,300<br>35,520<br>61,520<br>37,284<br>18,642                       | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 60 hours<br>8" meter (assumes 20% increase based on actual billings)<br>Software annual maintenance fee (financial & billing combined software)<br>[25.1% increase from 21-22 budget<br>24.2% increase from 21-22 Projected actual |
| ONTEREY PENINSULA WATER MANAGE<br>DMINISTRATIVE EXPENSES:<br>Administrative Salaries, Benefits & Overhead<br>General Manager<br>Administrative Services Manager<br>Accountant<br>IT Manager<br>Payroll Taxes, Benefits & Overhead<br>SUBTOTAL<br>Administrative & General Expenses<br>CAL-Am Water Meter Service Charge<br>Legal Fees<br>Office Expense<br>TOTAL MPWMD EXPENSES<br>BCo / IRWUG Representative<br>Payroll Taxes, Benefits & Overhead<br>R&D Water Sources<br>UB TOTAL | 91000<br>91200<br>91300<br>92100<br>94300<br>99400<br>99400<br>99410<br>79920<br>79990<br>99965 | 7,784<br>8,307<br>5,022<br>7,500<br>28,613<br>24,116<br>77<br>3,912<br>28,105<br>56,718<br>34,875<br>15,763<br>0<br>2,353,905 | 8,000<br>4,000<br>7,000<br>25,000<br>24,527<br>0<br>24,527<br>49,527<br>35,580<br>17,925<br>0<br>3,054,392   | 8,000<br>4,000<br>7,000<br>25,000<br>24,160<br>0<br>24,160<br>49,160<br>35,850<br>17,925<br>0<br>2,752,444 | 8,300<br>4,200<br>7,200<br>26,000<br>30,720<br>500<br>4,300<br>35,520<br>61,520<br>37,284<br>18,642<br>3,344,438<br>6,750 | based on 10 hours<br>based on 35 hours<br>based on 65 hours<br>based on 60 hours<br>8" meter (assumes 20% increase based on actual billings)<br>Software annual maintenance fee (financial & billing combined software)<br>[25.1% increase from 21-22 budget<br>24.2% increase from 21-22 Projected actual |

| _  | ACCT<br>No.             | Jul-22                                | Aug-22                                | Sep-22                               | Oct-22                               | Nov-22                              | Dec-22                            | Jan-23                                | Feb-23                            | Mar-23                                   | Apr-23                               | May-23                                | Jun-23                                | ANNUAL<br>BUDGET<br>2022-23              |
|--|-------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|-----------------------------------|---------------------------------------|-----------------------------------|--|--------------------------------------|---------------------------------------|---------------------------------------|--|
| 5 yr avg   |                         | 14.98%                                | 14.15%                                | 12.91%                               | 10.43%                               | 3.82%                               | 1.65%                             | 0.62%                                 | 1.96%                             | 2.17%                                    | 7.54%                                | 13.84%                                | 15.91%                                |  |
| Water Sales<br>Less MPWMD Fees   | 52000<br>2225           | 1,120,296<br>(10,486)<br>1,109,811    | 1,058,487<br>(9,907)<br>1,048,580     | 965,773<br>(9,039)                   | 780,344<br>(7,304)                   | 285,869<br>(2,676)                  | 123,619<br>(1,157)                | 46,357<br>(434)                       | 146,797<br>(1,374)                | 162,250<br>(1,519)                       | 564,011<br>(5,279)                   | 1,035,308<br>(9,690)                  | 1,189,832<br>(11,136)                 | 7,478,944<br>(70,000)                    |
|  |                         | 1,109,611                             | 1,040,000                             | 956,734                              | 773,041                              | 283,193                             | 122,462                           | 45,923                                | 145,423                           | 160,731                                  | 558,732                              | 1,025,618                             | 1,178,696                             | 7,408,944                                |
| Plant Superintendent   | 61100                   | 1,512                                 | 2,268                                 | 1,512                                | 1,512                                | 1,512                               | 1,512                             | 2,268                                 | 1,512                             | 1,512                                    | 1,512                                | 1,512                                 | 1,512                                 | 19,655                                   |
| Laboratory Supervisor  | 61200                   | 1,953                                 | 2,930                                 | 1,953                                | 1,953                                | 1,953                               | 1,953                             | 2,930                                 | 1,953                             | 1,953                                    | 1,953                                | 1,953                                 | 1,953                                 | 25,392                                   |
| Laboratory Technicians   | 61300                   | 6,126                                 | 9,189                                 | 6,126                                | 6,126                                | 6,126                               | 6,126                             | 9,189                                 | 6,126                             | 6,126                                    | 6,126                                | 6,126                                 | 6,126                                 | 79,635                                   |
| Plant Operators  | 61400                   | 16,448                                | 24,671                                | 16,448                               | 16,448                               | 16,448                              | 16,448                            | 24,671                                | 16,448                            | 16,448                                   | 16,448                               | 16,448                                | 16,448                                | 213,818                                  |
| Maint Supervisor   | 61450                   | 1,584                                 | 2,376                                 | 1,584                                | 1,584                                | 1,584                               | 1,584                             | 2,376                                 | 1,584                             | 1,584                                    | 1,584                                | 1,584                                 | 1,584                                 | 20,589                                   |
| Plant Mechanics  | 61500                   | 2,524                                 | 3,786                                 | 2,524                                | 2,524                                | 2,524                               | 2,524                             | 3,786                                 | 2,524                             | 2,524                                    | 2,524                                | 2,524                                 | 2,524                                 | 32,815                                   |
| Safety Officer   |                         | 1,334                                 | 2,000                                 | 1,334                                | 1,334                                | 1,334                               | 1,334                             | 2,000                                 | 1,334                             | 1,334                                    | 1,334                                | 1.334                                 | 1,334                                 | 17,338                                   |
| Plant Engineer   |                         | 1.070                                 | 1,605                                 | 1.070                                | 1,070                                | 1,070                               | 1,070                             | 1,605                                 | 1.070                             | 1.070                                    | 1.070                                | 1,070                                 | 1,070                                 | 13,906                                   |
| Differential   | 62000                   | 1,506                                 | 2,259                                 | 1,506                                | 1,506                                | 1,506                               | 1,506                             | 2,259                                 | 1,506                             | 1,506                                    | 1,506                                | 1,506                                 | 1,506                                 | 19,576                                   |
| Payroll Taxes & Benefits & OH  | 62100                   | 17,028                                | 25,542                                | 17,028                               | 17,028                               | 17,028                              | 17,028                            | 25,542                                | 17,028                            | 17,028                                   | 17,028                               | 17,028                                | 17,028                                | 221,362                                  |
|  |                         | 51,084                                | 76,625                                | 51,084                               | 51,084                               | 51,084                              | 51,084                            | 76,625                                | 51,084                            | 51,084                                   | 51,084                               | 51,084                                | 51,084                                | 664,086                                  |
| Tertiary Treatment<br>MF\RO Electrical<br>Secondary Costs - EQ Basin PD Blov | 63300<br>63400<br>63500 | 41,732<br>44,286<br>22,624<br>108,642 | 39,430<br>41,843<br>21,376<br>102,648 | 35,976<br>38,178<br>19,503<br>93,657 | 29,069<br>30,848<br>15,759<br>75,675 | 10,649<br>11,301<br>5,773<br>27,722 | 4,605<br>4,887<br>2,496<br>11,988 | 1,727<br>1,833<br><u>936</u><br>4,496 | 5,468<br>5,803<br>2,964<br>14,236 | 6,044<br>6,414<br><u>3,277</u><br>15,734 | 21,010<br>22,296<br>11,390<br>54,696 | 38,566<br>40,926<br>20,907<br>100,400 | 44,322<br>47,035<br>24,028<br>115,385 | 278,598<br>295,648<br>151,033<br>725,278 |
| Low Mag Ferric   | 04450                   |                                       | 0                                     | •                                    | 0                                    | 0                                   | 0                                 | 0                                     | •                                 |  |                                      |                                       |                                       |  |
| Clean-in-place chemicals   | 64150<br>64200          | 0<br>6.291                            | 0<br>5.944                            | 0<br>5.424                           | 0<br>4,382                           | 0<br>1.605                          | 0<br>694                          | 0                                     | 0                                 | 0  | 0                                    | 0                                     | 0                                     | 0  |
| Sodium hydroxide   | 64300                   | 0,291                                 | -,                                    | 5,424<br>0                           | 4,362                                | •                                   |                                   | 260                                   | 824                               | 911                                      | 3,167                                | 5,814                                 | 6,682                                 | 42,000                                   |
| Antiscalant  | 64400                   | 7,190                                 | 0<br>6.793                            |                                      | -                                    | 0                                   | 0                                 | 0                                     | 0                                 | 0  | 0                                    | 0                                     | 0                                     | 0  |
|  |                         |                                       | - /                                   | 6,198                                | 5,008                                | 1,835                               | 793                               | 298                                   | 942                               | 1,041                                    | 3,620                                | 6,645                                 | 7,636                                 | 48,000                                   |
| Phenylarsine oxide   | 64410                   | 172                                   | 163                                   | 149                                  | 120                                  | 44                                  | 19                                | 7                                     | 23                                | 25                                       | 87                                   | 159                                   | 183                                   | 1,150                                    |
| Acetate buffer solution<br>lodine solution                                   | 64420<br>64430          | 48<br>75                              | 45<br>71                              | 41                                   | 33                                   | 12                                  | 5                                 | 2                                     | 6                                 | 7  | 24                                   | 44                                    | 51                                    | 320                                      |
| Chlorine   | 64430<br>65100          |                                       | 71<br>0                               | 65                                   | 52                                   | 19                                  | 8                                 | 3                                     | 10                                | 11                                       | 38                                   | 69                                    | 80                                    | 500                                      |
| Citric Acid  |                         |                                       | -                                     | 10.076                               | 0                                    | 0                                   | 0                                 | 0                                     | 0                                 | 0  | 0                                    | 0                                     | 0                                     | 0  |
| Sulfuric Acid  | 65160                   | 12,732                                | 12,030                                | 10,976                               | 8,869                                | 3,249                               | 1,405                             | 527                                   | 1,668                             | 1,844                                    | 6,410                                | 11,767                                | 13,523                                | 85,000                                   |
| Acetic Acid  | 65170                   | 6,105                                 | 5,768                                 | 5,263                                | 4,252                                | 1,558                               | 674                               | 253                                   | 800                               | 884                                      | 3,073                                | 5,642                                 | 6,484                                 | 40,755                                   |
| Acetic Acia  | 65180                   | 157                                   | 149                                   | 136                                  | 110                                  | 40                                  | 17                                | 7                                     | 21                                | 23                                       | 79                                   | 145                                   | 167                                   | 1,050                                    |

|                                     | ACCT  |        |        |        |        |        |        |        |          |        |        |        |        | ANNUAL<br>BUDGET |
|-------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|------------------|
|                                     | No.   | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 | Jan-23 | Feb-23   | Mar-23 | Apr-23 | May-23 | Jun-23 | 2022-23          |
| Sodium Bisulfite                    | 65200 | 10,336 | 9,765  | 8,910  | 7,199  | 2,637  | 1,140  | 428    | 1,354    | 1,497  | 5,204  | 9,552  | 10,977 | 69,000           |
| Sodium Hypochlorite                 | 65250 | 6,741  | 6,369  | 5,811  | 4,695  | 1,720  | 744    | 279    | 883      | 976    | 3,394  | 6,229  | 7,159  | 45,000           |
| Polymer                             | 65400 | 2,939  | 2,777  | 2,534  | 2,047  | 750    | 324    | 122    | 385      | 426    | 1,480  | 2,716  | 3,121  | 19,620           |
| Gypsum                              | 65500 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0        | 0      | 0      | 0      | 0      | 0                |
| Miscellenous chemicals              | 65600 | 172    | 163    | 149    | 120    | 44     | 19     | 7      | 23       | 25     | 87     | 159    | 183    | 1,150            |
| Potassium Hydroxide                 | 65700 | 4,488  | 4,240  | 3,869  | 3,126  | 1,145  | 495    | 186    | 588      | 650    | 2,259  | 4,147  | 4,766  | 29,960           |
| Potassium iodate solution           | 65725 | 120    | 113    | 103    | 83     | 31     | 13     | 5      | 16       | 17     | 60     | 111    | 127    | 800              |
| Potassium iodide                    | 65750 | 434    | 410    | 374    | 303    | 111    | 48     | 18     | 57       | 63     | 219    | 401    | 461    | 2,900            |
| Ammonia Hydroxide                   | 65800 | 13,332 | 12,596 | 11,493 | 9,286  | 3,402  | 1,471  | 552    | 1,747    | 1,931  | 6,712  | 12,320 | 14,159 | 89,000           |
| Phosporic Acid                      | 65900 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0        | 0      | 0      | 0      | 0      | 0                |
| PHOS-58                             | 65910 | 14,979 | 14,153 | 12,913 | 10,434 | 3,822  | 1,653  | 620    | 1,963    | 2,169  | 7,541  | 13,843 | 15,909 | 100,000          |
| Enzymes                             | 65920 | 1,049  | 991    | 904    | 730    | 268    | 116    | 43     | 137      | 152    | 528    | 969    | 1,114  | 7,000            |
|                                     |       | 87,360 | 82,540 | 75,311 | 60,851 | 22,292 | 9,640  | 3,615  | 11,447   | 12,652 | 43,981 | 80,733 | 92,783 | 583,205          |
|                                     |       |        |        |        |        |        |        |        |          |        |        |        |        |                  |
| Repairs & Maintenance               | 66100 | 14,680 | 13,870 | 12,655 | 10,225 | 3,746  | 1,620  | 607    | 1.924    | 2,126  | 7,390  | 13,566 | 15,591 | 98,000           |
| Plant Pumps                         | 66190 | 4,494  | 4,246  | 3,874  | 3,130  | 1,147  | 496    | 186    | 589      | 651    | 2,262  | 4,153  | 4,773  | 30,000           |
| Laundry                             | 66200 | 225    | 212    | 194    | 157    | 57     | 25     | 9      | 29       | 33     | 113    | 208    | 239    | 1,500            |
| Lubricants\Packing                  | 66300 | 150    | 142    | 129    | 104    | 38     | 17     | 6      | 20       | 22     | 75     | 138    | 159    | 1,000            |
| Electrical Supplies                 | 66400 | 2.247  | 2,123  | 1.937  | 1.565  | 573    | 248    | 93     | 294      | 325    | 1,131  | 2,076  | 2,386  | 15,000           |
| Laboratory Supplies                 | 66500 | 6,920  | 6,539  | 5,966  | 4,820  | 1,766  | 764    | 286    | 907      | 1,002  | 3,484  | 6,395  | 7,350  | 46,200           |
| Paint                               | 66600 | 300    | 283    | 258    | 209    | 76     | 33     | 12     | 39       | 43     | 151    | 277    | 318    | 2,000            |
| Postage                             | 67000 | 150    | 142    | 129    | 104    | 38     | 17     | 6      | 20       | 22     | 75     | 138    | 159    | 1,000            |
| First Aid Supplies                  | 67100 | 30     | 28     | 26     | 21     | 8      | 3      | 1      | 4        |        | 15     | 28     | 32     | 200              |
| Janitorial Supplies                 | 67100 | 0      | 0      | 0      | 0      | ō      | Ő      | 0      | O        | 0      | 0      | 0      | 0      | 0                |
| Tertiary Pump Alarm                 | 67300 | Ó      | 0      | 0      | 0      | 0      | Ō      | 0      | ō        | Ō      | ō      | Ő      | ŏ      | Ő                |
| Personnel Supplies                  | 67400 | 150    | 142    | 129    | 104    | 38     | 17     | 6      | 20       | 22     | 75     | 138    | 159    | 1,000            |
| Hand Tools                          | 67600 | 225    | 212    | 194    | 157    | 57     | 25     | 9      | 29       | 33     | 113    | 208    | 239    | 1,500            |
| Operating Supplies                  | 67700 | 150    | 142    | 129    | 104    | 38     | 17     | 6      | 20       | 22     | 75     | 138    | 159    | 1,000            |
| Safety                              | 67800 | 491    | 464    | 423    | 342    | 125    | 54     | 20     | 64       | 71     | 247    | 453    | 521    | 3,275            |
| Training                            | 67900 | 374    | 354    | 323    | 261    | 96     | 41     | 15     | 49       | 54     | 189    | 346    | 398    | 2,500            |
| -                                   |       | 30,584 | 28,897 | 26,366 | 21,303 | 7,804  | 3,375  | 1,266  | 4,008    | 4,429  | 15,397 | 28,264 | 32,482 | 204,175          |
|                                     |       |        |        |        |        |        |        |        |          |        |        |        |        |                  |
| Microfilter Membrance Modules       | 67510 | 23,967 | 22,645 | 20.661 | 16.694 | 6.116  | 2,645  | 992    | 3,140    | 3.471  | 12,066 | 22,149 | 25,455 | 160,000          |
| Annual Cartridge Filter Replacement | 66700 | 1,872  | 1,769  | 1,614  | 1,304  | 478    | 207    | 77     | 245      | 271    | 943    | 1,730  | 1,989  | 12,500           |
| RO Membrance Elements               | 67500 | 2,247  | 2,123  | 1,937  | 1,565  | 573    | 248    | 93     | 294      | 325    | 1.131  | 2,076  | 2,386  | 15,000           |
| Spare Parts & Outfitting            | 66750 | 3,745  | 3,538  | 3,228  | 2,608  | 956    | 413    | 155    | 491      | 542    | 1,131  | 2,070  | 3,977  | 25.000           |
|                                     |       | 31,831 | 30,075 | 27,441 | 22,172 | 8,122  | 3,512  | 1,317  | 4,171    | 4,610  | 16,025 | 29,416 | 33,807 | 212,500          |
| 1                                   |       |        |        | ,      | ,      | - 7    | - 1    | .,     | -, • • • | .,010  |        | 20,710 | 00,007 | 212,000          |

| F  | ACCT           | 1           |             |             |             |             |          |          |           |           |             |             |             | ANNUAL<br>BUDGET |
|--|----------------|-------------|-------------|-------------|-------------|-------------|----------|----------|-----------|-----------|-------------|-------------|-------------|------------------|
|  | No.            | Jul-22      | Aug-22      | Sep-22      | Oct-22      | Nov-22      | Dec-22   | Jan-23   | Feb-23    | Mar-23    | Apr-23      | May-23      | Jun-23      | 2022-23          |
| Ohani'a Difata Diana al                          |                |             |             | 05          | 50          | 10          |          |          |           |           |             |             |             |                  |
| Chemical Waste Disposal<br>Plant Instrumentation | 68200          | 75<br>5,812 | 71<br>5,491 | 65<br>5 010 | 52          | 19          | 8        | 3        | 10        | 11        | 38          | 69          | 80          | 500              |
| Fire Extinguisher Service                        | 68300          | 75          | 5,491<br>71 | 5,010<br>65 | 4,048<br>52 | 1,483<br>19 | 641<br>8 | 240<br>3 | 762<br>10 | 842<br>11 | 2,926<br>38 | 5,371       | 6,173<br>80 | 38,800           |
| Calibration                                      | 68400          | 1,108       | 1.047       | 956         | 772         | 283         | 122      | 46       | 145       | 161       | 558         | 69<br>1,024 | 1,177       | 500<br>7,400     |
| Contract Laboratory Analysis                     | 68500          | 974         | 920         | 839         | 678         | 203         | 107      | 40       | 145       | 141       | 490         | 900         | 1,034       | 6,500            |
| Gypsum Injection System Maintenan                | 68600          |             | 0           | 000         | 0,0         | 240         | 0        | 40       | 0         | 0         | 450         | 900<br>0    | 1,034       | 0,500            |
| Contract Painting                                | 68700          | l õ         | ő           | ő           | Ő           | ő           | Ő        | Ő        | ő         | 0<br>0    | ů           | 0           | 0           | ő                |
| System software/IT consulting                    | 68710          | Ō           | ŏ           | ŏ           | Ő           | ŏ           | õ        | õ        | ŏ         | Ő         | ő           | õ           | ő           | ő                |
| SAR Equipment Maintenance                        | 68720          | 4,569       | 4,317       | 3,939       | 3,182       | 1,166       | 504      | 189      | 599       | 662       | 2,300       | 4,222       | 4,852       | 30,500           |
| Hoist Certification                              | 68730          | 0           | 0           | 0           | 0           | 0           | 0        | 0        | 0         | 0         | 0           | 0           | 0           | 0                |
| Alarm - Tertiary                                 | 68900          | 150         | 142         | 129         | 104         | 38          | 17       | 6        | 20        | 22        | 75          | 138         | 159         | 1,000            |
| Alarm - Chlorine                                 | 68910          | 0           | 0           | 0           | 0           | 0           | 0        | 0        | 0         | 0         | 0           | 0           | 0           | 0                |
| Equipment Rent - Ion Chromatograp                | 69400          | 37          | 35          | 32          | 26          | 10          | 4        | 2        | 5         | 5         | 19          | 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                |
|  |                | 12,725      | 12,023      | 10,970      | 8,864       | 3,247       | 1,404    | 527      | 1,667     | 1,843     | 6,406       | 11,760      | 13,515      | 85,450           |
|  |                |             |             |             |             |             |          |          |           |           |             |             |             |                  |
| Fees & Permits (MBUAPCD)                         | 69100          | 824         | 778         | 710         | 574         | 210         | 91       | 34       | 108       | 119       | 415         | 764         | 875         | 5 500            |
| Engineering Fees                                 | 09100          | 024         | 110         | 710         | 574         | 210         | 91       | - 34     | 100       | 119       | 415         | 761         | 615         | 5,500            |
| Consulting                                       | 69200          | 5,243       | 4,954       | 4,520       | 3,652       | 1,338       | 579      | 217      | 687       | 759       | 2,639       | 4,845       | 5,568       | 35,000           |
| Membrane Cleaning Pilot                          | 69250          | 2,996       | 2,831       | 2,583       | 2,087       | 764         | 331      | 124      | 393       | 434       | 1,508       | 2,769       | 3,182       | 20,000           |
| Disposal expense                                 | 69350          | 2,000       | 2,001       | 2,303       | 2,007       | 0           | 0        | 0        | 0         | -0-       | 1,500       | 2,709       | 0,102       | 20,000           |
| Disposal expense                                 | 00000          | 8,239       | 7,784       | 7,102       | 5.739       | 2,102       | 909      | 341      | 1.080     | 1,193     | 4,148       | 7,614       | 8,750       | 55,000           |
|  |                | 0,200       | 1,101       | 1,102       | 0,,,00      | 2,102       | 000      | 011      | 1,000     | 1,100     | 1,110       | 1,014       | 0,700       | 00,000           |
|  |                | 331,288     | 341,371     | 292,639     | 246,261     | 122,584     | 82,003   | 88,220   | 87,800    | 91,665    | 192,152     | 310,031     | 348.680     | 2,535,194        |
|  |                |             |             |             |             |             |          |          |           | •         |             |             |             |                  |
|  |                |             |             |             |             |             |          |          |           |           |             |             |             |                  |
|  |                |             |             |             |             |             |          |          |           |           |             |             |             |                  |
|  |                |             |             |             |             |             |          |          |           |           |             |             |             |                  |
| 0  |                |             |             | _           | -           |             |          | -        | _         | -         |             |             |             |                  |
| General Manager                                  | 71000          | 0           | 0           | 0           | 0           | 0           | 0        | 0        | 0         | 0         | 0           | 0           | 0           | 0                |
| Principal/Assistant Engineer                     | 71100          | 1,498       | 1,415       | 1,291       | 1,043       | 382         | 165      | 62       | 196       | 217       | 754         | 1,384       | 1,591       | 10,000           |
| Deputy General Manager/CFO<br>Senior Accountant  | 71200<br>71300 | 300<br>674  | 283<br>637  | 258         | 209         | 76          | 33       | 12       | 39        | 43        | 151         | 277         | 318         | 2,000            |
| Administrative Assistant                         | 71300          | 674<br>75   | 637<br>71   | 581<br>65   | 470<br>52   | 172<br>19   | 74<br>8  | 28       | 88        | 98        | 339         | 623         | 716         | 4,500            |
| Finance & Info Sys Coordinator                   | 71400          | 0           | 0           | 00          | 52<br>`0    | 19          | 8        | 3<br>0   | 10<br>0   | 11        | 38          | 69          | 80          | 500              |
| Associate Engineers                              | 71600          | 1,573       | 1,486       | 1,356       | 1.096       | 401         | 0<br>174 | 0<br>65  | -         | 0         | 0           | 0           | 0           | 0                |
| Engineering Intern                               | 71700          | 75          | 71          | 65          | 52          | 401         | 8        | 60<br>3  | 206<br>10 | 228       | 792         | 1,454       | 1,670       | 10,500           |
| PR Taxes, Benefits & Overhead                    | 71800          | 2,097       | 1,981       | 1,808       | 52<br>1,461 | 535         | 231      | 3<br>87  | 275       | 11<br>304 | 38          | 69<br>1 028 | 80          | 500              |
| I TO TAXOS, DOTOILO & OVOILLEAU                  | /1000          | 2,037       | 1,801       | 1,000       | 1,401       | 000         | 201      | 0/       | 215       | 304       | 1,056       | 1,938       | 2,227       | 14,000           |

| ſ  |                |              |               |               |                |              |              | -         |              |              |              |                 |              | ANNUAL          |
|--|----------------|--------------|---------------|---------------|----------------|--------------|--------------|-----------|--------------|--------------|--------------|-----------------|--------------|-----------------|
| 1  | ACCT           |              |               |               |                |              |              |           |              |              |              |                 |              | BUDGET          |
|  | No.            | Jul-22       | Aug-22        | Sep-22        | Oct-22         | Nov-22       | Dec-22       | Jan-23    | Feb-23       | Mar-23       | Apr-23       | May-23          | Jun-23       | 2022-23         |
|  |                | 6,291        | 5,944         | 5,424         | 4,382          | 1,605        | 694          | 260       | 824          | 911          | 3,167        | 5,814           | 6,682        | 42,000          |
| Insurance - Property & Liability   | 72100          | 1,123        | 1,061         | 968           | 783            | 287          | 124          | 46        | 147          | 163          | 566          | 1,038           | 1,193        | 7,500           |
| Insurance - Earthquake   | 72100          | 3,895        | 3,680         | 3,357         | 2,713          | 994          | 430          | 161       | 510          | 564          | 1,961        | 3,599           | 4,136        | 26,000          |
| Insurance - FL Dam Failure Liability   | 72100          | 599          | 566           | 517           | 417            | 153          | 66           | 25        | 79           | 87           | 302          | 554             | 636          | 4,000           |
| Directors Fees   | 72200          | 75           | 71            | 65            | 52             | 19           | 8            | 3         | 10           | 11           | 38           | 69              | 80           | 500             |
|  |                | 5,617        | 5,307         | 4,842         | 3,913          | 1,433        | 620          | 232       | 736          | 814          | 2,828        | 5,191           | 5,966        | 38,000          |
| Salaries, Benefits & Overhead:   |                |              |               |               |                |              |              |           |              |              |              |                 |              |                 |
| Field Maintenance Supervisor   | 73000          | 1,498        | 1,415         | 1,291         | 1,043          | 382          | 165          | 62        | 196          | 217          | 754          | 1,384           | 1,591        | 10,000          |
| Maintenance Technicians  | 73100          | 7,490        | 7,076         | 6,457         | 5,217          | 1,911        | 826          | 310       | 981          | 1,085        | 3,771        | 6,921           | 7,955        | 50,000          |
| PR Taxes, Benefits & O.H.  | 73200          | 4,494        | 4,246         | 3,874         | 3,130          | 1,147        | 496          | 186       | 589          | 651          | 2,262        | 4,153           | 4,773        | 30,000          |
|  |                | 13,481       | 12,738        | 11,622        | 9,390          | 3,440        | 1,488        | 558       | 1,767        | 1,952        | 6,787        | 12,459          | 14,318       | 90,000          |
| Potable Water Pump Station - PG&E  | 74000          | 150          | 142           | 129           | 104            | 38           | 17           | 6         | 20           | 22           | 75           | 138             | 159          | 4 000           |
| SCADA System: DSL ATM/Telemetr   | 74000          | 1,798        | 1.698         | 1,550         | 1,252          | 30<br>459    | 198          | 74        | 20           | 260          | 905          | 1,661           | 1,909        | 1,000<br>12,000 |
| Wireless Alarm Sys Chg (Mission)   | 74200          | 1,790        | 142           | 129           | 104            | 38           | 130          | 6         | 20           | 200          | 905<br>75    | 138             | 1,909        | 1,000           |
| Forest Lake Treatment Facility (PG&  | 74400          | 4,494        | 4,246         | 3,874         | 3,130          | 1,147        | 496          | 186       | 589          | 651          | 2,262        | 4,153           | 4,773        | 30,000          |
| Forest Lake Eyewash Station (CalAn   | 74500          | 225          | 212           | 194           | 157            | 57           | 25           | 9         | 29           | 33           | 113          | 208             | 239          | 1,500           |
| Poppy Hill Booster Pump Station - Po   | 74600          | 225          | 212           | 194           | 157            | 57           | 25           | 9         | 29           | 33           | 113          | 208             | 239          | 1,500           |
| Cathodic Protection  | 74700          | 150          | 142           | 129           | 104            | 38           | 17           | 6         | 20           | 22           | 75           | 138             | 159          | 1,000           |
|  |                | 7,190        | 6,793         | 6,198         | 5,008          | 1,835        | 793          | 298       | 942          | 1,041        | 3,620        | 6,645           | 7,636        | 48,000          |
| Reclamation Source Water   | 77600          | 449          | 425           | 387           | 313            | 115          | 50           | 19        | 59           | 65           | 226          | 415             | 477          | 3,000           |
| 4th Fairway Dry Weather Diversion F  | 77700          | 300          | 283           | 258           | 209            | 76           | 33           | 13        | 39           | 43           | 151          | 277             | 318          | 2,000           |
| Remote Flow Monitoring   | 77900          | 599          | 566           | 517           | 417            | 153          | 66           | 25        | 79           | 87           | 302          | 554             | 636          | 4,000           |
| Water Treatment Cost   | 77800          | 17,226       | 16,276        | 14,850        | 11,999         | 4,396        | 1,901        | 713       | 2,257        | 2,495        | 8.673        | 15.919          | 18,295       | 115,000         |
|  |                | 18,574       | 17,550        | 16,012        | 12,938         | 4,740        | 2,050        | 769       | 2,434        | 2,690        | 9,351        | 17,165          | 19,727       | 124,000         |
|  |                |              |               |               |                |              |              |           |              |              |              |                 |              |                 |
| Other professional services  | 75200          | 225          | 212           | 194           | 157            | 57           | 25           | 9         | 29           | 33           | 113          | 208             | 239          | 1,500           |
| Permits  | 75300          | 4,494        | 4,246         | 3,874         | 3,130          | 1,147        | 496          | 186       | 589          | 651          | 2,262        | 4,153           | 4,773        | 30,000          |
| Fuel   | 75500          | 599          | 566           | 517           | 417            | 153          | 66           | 25        | 79           | 87           | 302          | 554             | 636          | 4,000           |
| Training & Tuitions<br>SCADA System software/IT con:   | 75600<br>75800 | 374<br>1.049 | 354<br>991    | 323<br>904    | 261<br>730     | 96<br>268    | 41           | 15        | 49           | 54           | 189          | 346             | 398          | 2,500           |
| Consulting Services  | 10000          | 11.983       | 991<br>11.322 | 904<br>10,331 | 730<br>8,347   | 268<br>3.058 | 116<br>1.322 | 43<br>496 | 137<br>1,570 | 152          | 528          | 969             | 1,114        | 7,000           |
| Reclamation Line Distribution Sy   | 76300          | 1,903        | 1,322         | 1,291         | 0,347<br>1,043 | 3,058        | 1,322        | 490<br>62 | 1,570        | 1,736<br>217 | 6,033<br>754 | 11,074<br>1,384 | 12,727       | 80,000          |
| Viscaino Rd/Poppy Hills Pump S   | 76400          | 599          | 566           | 517           | 417            | 153          | 66           | 25        | 79           | 87           | 754<br>302   | 1,384           | 1,591<br>636 | 10,000<br>4,000 |
| and a second sec |                | 000          | 000           | 011           |                | 100          |              | 20        | , 5          | 07           | 002          | 004             | 030          | 4,000 [         |

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| 1                                |       |             |        |             |             |              |             |           |             |             |              |              |              |                 |
|----------------------------------|-------|-------------|--------|-------------|-------------|--------------|-------------|-----------|-------------|-------------|--------------|--------------|--------------|-----------------|
|                                  | ACCT  |             |        |             |             |              |             |           |             |             |              |              |              | ANNUAL          |
|                                  | No.   | Jul-22      | Aug-22 | Sep-22      | Oct-22      | Nov-22       | Dec-22      | Jan-23    | Feb-23      | May 22      | A 00         | Mar. 00      | L            | BUDGET          |
| Call Out Mileage Expense         | 76500 | 300         | 283    | 258         | 209         | NOV-22<br>76 |             |           |             | Mar-23      | Apr-23       | May-23       | Jun-23       | 2022-23         |
| Forest Lake Reservoir - R & M    | 76600 | 3.745       | 3,538  | 3,228       | 2,608       | 956          | 33<br>413   | 12<br>155 | 39<br>491   | 43<br>542   | 151<br>1.885 | 277<br>3,461 | 318<br>3,977 | 2,000<br>25,000 |
| Poppy Hills Storage Tank (2.5 m  | 76700 | 300         | 283    | 258         | -209        | 76           | 33          | 133       | 39          | 43          | 1,865        | 277          | 318          | 25,000          |
| Rescue & Safety Supplies & Equ   | 76800 | 0           | 0      | 0           | 0           | Ő            | 0           | 0         | 0           | -0          | 0            | 2,7          | 0            | 2,000           |
| Forest Lake Chemicals            | 76900 | 5,992       | 5,661  | 5,165       | 4,174       | 1.529        | 661         | 248       | 785         | 868         | 3,017        | 5,537        | 6,364        | 40,000          |
| SCADA system equipment           | 77000 | 0           | 0      | 0           | 0           | 0            | 0           | 0         | 0           | 0           | 0,011        | 0,007        | 0,004        | 0,000           |
| Forest Lake Reservoir - Material | 77100 | 3,445       | 3,255  | 2,970       | 2,400       | 879          | 380         | 143       | 451         | 499         | 1,735        | 3,184        | 3,659        | 23,000          |
|                                  | 1     | 35,651      | 33,684 | 30,733      | 24,833      | 9,097        | 3,934       | 1,475     | 4,671       | 5,163       | 17,948       | 32,946       | 37,864       | 238,000         |
|                                  |       |             |        |             |             |              |             |           |             |             |              |              |              |                 |
|                                  |       |             |        |             |             |              |             |           |             |             |              |              |              |                 |
| 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               |
|                                  |       |             |        |             |             |              |             |           |             |             |              |              |              |                 |
|                                  |       | 68,231      | 64,466 | 58,820      | 47,526      | 17,411       | 7,529       | 2,823     | 8,941       | 9,882       | 34,351       | 63,055       | 72,466       | 580,000         |
|                                  |       |             |        |             |             |              |             |           |             |             |              |              |              |                 |
|                                  |       |             |        |             |             |              |             |           |             |             |              |              |              |                 |
| General Manager                  | 81000 | 92          | 138    | 92          | 92          | 92           | 92          | 138       | 92          | 92          | 92           | 92           | 00           | 4 404           |
| Project Accountant               | 81200 | 92<br>1.016 | 1,524  | 92<br>1.016 | 92<br>1,016 | 92<br>1,016  | 92<br>1,016 | 1,524     | 92<br>1,016 | 92<br>1,016 | 92<br>1,016  | 92<br>1,016  | 92<br>1,016  | 1,194<br>13,207 |
| Engineering Assistant            | 81200 | 1,010       | 1,524  | 1,018       | 010,1       | 1,018        | 1,010       | 1,524     | 1,010       | 1,018       | 1,018        | 1,018        | 1,016        | 13,207          |
| Secretary/Finance Tech.          | 81400 | 1.071       | 1,606  | 1.071       | 1.071       | 1.071        | 1,071       | 1.606     | 1,071       | 1,071       | 1,071        | 1,071        | 1,071        | 13,918          |
| Pavroll Taxes & Benefits         | 82100 | 1.089       | 1,634  | 1.089       | 1,089       | 1,071        | 1,089       | 1,634     | 1,071       | 1,071       | 1,089        | 1,089        | 1,071        | 14,160          |
| Indirect Overhead                | 82100 | 1,009       | 1,004  | 1,005       | 1,000       | 0            | 1,005       | 1,004     | 1,009       | 1,003       | 1,003        | 1,009        | 1,003        | 0               |
|                                  | 02100 | 3,268       | 4,901  | 3.268       | 3.268       | 3.268        | 3,268       | 4,901     | 3,268       | 3,268       | 3,268        | 3.268        | 3,268        | 42,479          |
|                                  |       | -,          | .,     | -,          | -,          | -,           | -,          | .,        | •,=••       | -,          | 0,200        | 0,200        | 0,200        | ,               |
|                                  |       |             |        |             |             |              |             |           |             |             |              |              |              |                 |
| Office Supplies & Postage        | 84000 | 37          | 35     | 32          | 26          | 10           | 4           | 2         | 5           | 5           | 19           | 35           | 40           | 250             |
| Audit & Consulting Fees          | 84100 | 0           | 4,212  | 4,212       | 4,213       | 4,213        | 0           | 0         | 0           | 0           | 0            | 0            | 0            | 16,850          |
| Employee Training                | 84200 | 0           | 0      | 0           | 0           | 0            | 0           | 0         | 0           | 0           | 0            | 0            | 0            | 0               |
| Directors Fees                   | 85000 | 157         | 149    | 136         | .110        | 40           | 17          | 7         | 21          | 23          | 79           | 145          | 167          | 1,050           |
| Legal Notices                    | 89400 | 0           | 0      | 0           | 0           | 0            | 0           | 0         | 0           | 0           | 0            | 0            | 0            | 0               |
| Legal Fees                       | 89400 | 112         | 106    | 97          | 78          | 29           | 12          | 5         | 15          | 16          | 57           | 104          | 119          | 750             |
| Insurance Expense                | 89500 | 7,552       | 7,136  | 6,511       | 5,261       | 1,927        | 833         | 313       | 990         | 1,094       | 3,802        | 6,980        | 8,021        | 50,419          |
|                                  |       | 7,860       | 11,638 | 10,987      | 9,688       | 6,219        | 867         | 325       | 1,030       | 1,138       | 3,957        | 7,263        | 8,347        | 69,319          |
|                                  | ļ     |             |        |             |             |              |             |           |             |             |              |              |              |                 |
|                                  |       | 11,127      | 16,539 | 14,255      | 12,955      | 9,486        | 4,135       | 5,227     | 4,297       | 4,406       | 7,224        | 10,531       | 11,615       | 111,798         |
|                                  |       |             |        |             |             |              |             |           |             |             |              |              |              |                 |
|                                  |       |             |        |             |             |              |             |           |             |             |              |              |              |                 |
|                                  |       |             |        |             |             |              |             |           |             |             |              |              |              |                 |
| General Manager                  | 91000 | 944         | 892    | 814         | 657         | 241          | 104         | 39        | 124         | 137         | 475          | 872          | 1,002        | 6 000           |
|                                  | 01000 | <b>U</b> 77 | 032    | 014         | 001         | 271          | 104         | 29        | 124         | 13/         | 470          | 072          | 1,002        | 6,300           |

#### CAWD/PBCSD Reclamation Project Monthly Budget Projections 2022-23

| r                                     |       |         |         |         |         |         |        |          |         |         |         |         |         | ANNUAL    |
|---------------------------------------|-------|---------|---------|---------|---------|---------|--------|----------|---------|---------|---------|---------|---------|-----------|
|                                       | ACCT  |         |         |         |         |         |        |          |         |         |         |         |         | BUDGET    |
|                                       | No.   | Jul-22  | Aug-22  | Sep-22  | Oct-22  | Nov-22  | Dec-22 | Jan-23   | Feb-23  | Mar-23  | Apr-23  | May-23  | Jun-23  | 2022-23   |
| Admin Services Manager                | 91200 | 1,243   | 1,175   | 1,072   | 866     | 317     | 137    | 51       | 163     | 180     | 626     | 1,149   | 1,320   | 8,300     |
| Accountant                            | 91300 | 629     | 594     | 542     | 438     | 161     | 69     | 26       | 82      | 91      | 317     | 581     | 668     | 4,200     |
| Chief Tech Officer                    | 91500 | 1,079   | 1,019   | 930     | 751     | 275     | 119    | 45       | 141     | 156     | 543     | 997     | 1,145   | 7,200     |
| Payroll Taxes & Benefits& O.H.        | 92100 | 0       | 0       | 0       | 0       | 0       | 0      | 0        | 0       | 0       | 0       | 0       | 0       | 0         |
|                                       |       | 3,895   | 3,680   | 3,357   | 2,713   | 994     | 430    | 161      | 510     | 564     | 1,961   | 3,599   | 4,136   | 26,000    |
| CAL-Am Water Meter Svc. Chg.          | 94300 | 4.602   | 4,348   | 3,967   | 3,205   | 1,174   | 508    | 190      | 603     | 666     | 2,317   | 4.253   | 4,887   | 30,720    |
| Legal Fees                            | 99400 | 75      | 71      | 65      | 52      | 19      | 8      | 3        | 10      | 11      | 38      | 69      | 80      | 500       |
| Software Maint Fees                   | 99410 | 644     | 609     | 555     | 449     | 164     | 71     | 27       | 84      | 93      | 324     | 595     | 684     | 4,300     |
|                                       |       | 8,571   | 8,098   | 7,389   | 5,970   | 2,187   | 946    | 355      | 1,123   | 1,241   | 4,315   | 7,921   | 9,103   | 61,520    |
| PBCo / IRWUG Representative           |       | 4,661   | 4,661   | 4,661   | 4,661   | 4,661   | 4,661  | 4,661    | 4,661   | 4,661   | 4,661   | 4,661   | 4,661   | 55,926    |
|                                       |       | 423,878 | 435,135 | 377,764 | 317,373 | 156,328 | 99,273 | 101,285  | 106,822 | 111,854 | 242,703 | 396,199 | 446,525 | 3,344,438 |
|                                       |       | 685,933 | 613,445 | 578,970 | 455,668 | 126,865 | 23,189 | (55,362) | 38,602  | 48,877  | 316,029 | 629,420 | 732,171 | 4,064,506 |
| POTABLE WATER COSTS                   | 99601 | 1,011   | 955     | 872     | 704     | 258     | 112    | 42       | 132     | 146     | 509     | 934     | 1,074   | 6,750     |
|                                       |       | 684.922 | 612,490 | 578,098 | 454,963 | 126,607 | 23,078 | (55,404) | 38,469  | 48,730  | 315,520 | 628,485 | 731,097 | 4,057,756 |
|                                       |       | 004,322 | 012,430 | 070,000 |         | 120,001 | 20,070 | (00,404) | 00,400  | 40,700  | 010,020 | 020,400 | 101,001 | 4,007,700 |
| Interest Income - Reserve Funds       | 551   | 1,498   | 1,415   | 1,291   | 1.043   | 382     | 165    | 62       | 196     | 217     | 754     | 1,384   | 1,591   | 10,000    |
| Interest Income- Union Bank           | 553   | 0       | 0       | 0       | 0       | 0       | 0      | 0        | 0       | 0       | 0       | 0       | 0       | 0         |
| Interest Income - Well Fargo/Phase    | 554   | 0       | 0       | 0       | 0       | 0       | 0      | 0        | 0       | 0       | 0       | 0       | 0       | o         |
| Water Entitlements                    | 555   | 0       | 0       | 0       | 0       | 0       | 0      | 0        | 0       | 0       | 0       | 0       | 0       | 0         |
| Gain/(loss) on Mkt Value of Securitie | 560   | 2,247   | 2,123   | 1,937   | 1,565   | 573     | 248    | 93       | 294     | 325     | 1,131   | 2,076   | 2,386   | 15,000    |
| Interest Income-County                | 550   | 2       | 2       | 2       | 2       | 1       | 0      | 0        | 0       | 0       | 1       | 2       | 2       | 15        |
| Interest Income - Bank of Amer.       | 549   | 0       | 0       | 0       | 0       | 0       | 0      | 0        | 0       | 0       | 0       | 0       | 0       | 0         |
| Other income                          | 561   | 0       | 0       | 0       | 0       | 0       | 0      | 0        | 0       | 0       | 0       | 0       | 0       | 0         |
| Bank Charges - BoA                    | 571   | (5)     | (5)     | (5)     | (4)     | (1)     | (1)    | (0)      | (1)     | (1)     | (3)     | (5)     | (6)     | (35)      |
| Bond Carrying Costs                   | 573   | (2,996) | (2,831) | (2,583) | (2,087) | (764)   | (331)  | (124)    | (393)   | (434)   | (1,508) | (2,769) | (3,182) | (20,000)  |
| 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  | 0       | 0       | 0       | 0       | 0       | 0      | 0        | 0       | 0       | 0       | 0       | 0       | 0         |

#### CAWD/PBCSD Reclamation Project Monthly Budget Projections 2022-23

| Subtotal                           | ACCT<br>No. | <b>Jul-22</b><br>746 | Aug-22<br>705 | <b>Sep-22</b><br>643 | <b>Oct-22</b><br>520 | <b>Nov-22</b><br>190 | <b>Dec-22</b><br>82 | <b>Jan-23</b><br>31 | <b>Feb-23</b><br>98 | <b>Mar-23</b><br>108 | <b>Apr-23</b><br>376 | May-23<br>689 | <b>Jun-23</b><br>792 | ANNUAL<br>BUDGET<br>2022-23<br>4,980 |
|------------------------------------|-------------|----------------------|---------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|----------------------|----------------------|---------------|----------------------|--------------------------------------|
| Interest Income - Construction Fd. | 25100       | 0                    | 0             | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                    | 0                    | 0             | 0                    | o                                    |
| Interest Income - Bond Fund        | 25101       | 0                    | 0             | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                    | 0                    | 0             | Ó                    | ő                                    |
| Interest Income - W.FConstruct.    | 25104       | 0                    | 0             | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                    | 0                    | 0             | 0                    | o                                    |
| Loss on Disposal                   | 26300       | 0                    | 0             | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                    | 0                    | 0             | Ó                    | 0                                    |
| Interest Expense - COP's           | 99958       | (1,947)              | (1,840)       | (1,679)              | (1,356)              | (497)                | (215)               | (81)                | (255)               | (282)                | (980)                | (1,800)       | (2,068)              | (13,000)                             |
| Principal Payment - COP's          | 26450       | (389,463)            | (367,975)     | (335,744)            | (271,281)            | (99,380)             | (42,975)            | (16,116)            | (51,033)            | (56,405)             | (196,074)            | (359,917)     | (413,636)            | (2,600,000)                          |
| L/C Carrying Costs                 | 573         | (3,595)              | (3,397)       | (3,099)              | (2,504)              | (917)                | (397)               | (149)               | (471)               | (521)                | (1,810)              | (3,322)       | (3,818)              | (24,000)                             |
| Amortization Expense               | 576         | (254,649)            | (240,599)     | (219,525)            | (177,376)            | (64,979)             | (28,099)            | (10,537)            | (33,368)            | (36,880)             | (128,202)            | (235,331)     | (270,455)            | (1,700,000)                          |
| Interest Pymt to MPWMD             |             | 0                    | 0             | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                    | 0                    | 0             | 0                    | 0                                    |
| Principal Pymt to MPWMD            |             | 0                    | 0             | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                    | 0                    | 0             | 0                    | 0                                    |
| Interest on Principal Advanced     |             | (5,375)              | (5,078)       | (4,633)              | (3,744)              | (1,371)              | (593)               | (222)               | (704)               | (778)                | (2,706)              | (4,967)       | (5,708)              | (35,880)                             |
| Past LC fees/Bond Carry Cost payab | le          | (82,686)             | (78,124)      | (71,281)             | (57,595)             | (21,099)             | (9,124)             | (3,421)             | (10,835)            | (11,975)             | (41,628)             | (76,413)      | (87,818)             | (552,000)                            |
| Subtotal                           | -           | (737,714)            | (697,013)     | (635,961)            | (513,856)            | (188,244)            | (81,403)            | (30,526)            | (96,666)            | (106,841)            | (371,401)            | (681,750)     | (783,504)            | (4,924,880)                          |
|                                    |             | (736,968)            | (696,308)     | (635,318)            | (513,337)            | (188,054)            | (81,321)            | (30,495)            | (96,568)            | (106,733)            | (371,026)            | (681,061)     | (782,711)            | (4,919,900)                          |
|                                    |             | 202,602              | 156,781       | 162,305              | 119,003              | 3,532                | (30,144)            | (75,362)            | (24,731)            | (21,123)             | 72,697               | 182,755       | 218,840              | 837,856                              |

#### CAWD/PBCSD Reclamation Project Non-Operating Expenses Fiscal Year 2022-23

| ITEM  | Acct<br>No.                               | Actual<br>20-21  | Estimated<br>Actual<br>2021-22                                    | 2021-22<br>Budget                                  | Proposed<br>2022-23<br>Budget | Comments  |
|---|---|--|---|--|-------------------------------|---|
| NON-OPERATING EXPENSES:   | **************************************    |  |   |  |                               |   |
| Project - Bond Carrying Costs   | 99956                                     | 20,055   | 20,000  | 25,000   | 20,000                        | 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         Stiffel, Nicolaus & Co - quarterly       \$16,000         Total       \$28,735 |
| Bank charges  | 99952                                     | 0  | 0   | 75   | 35                            | Stop payments (0 @ \$20) & wire transfer fees (3 @ \$25)  |
| L/C Carrying Costs<br>COP Interest Expense<br>COP Principal Payment<br>Interest on Principal Advanced<br>Past LC fees/Bond Carry Cost payable | 99959<br>99958<br>22041<br>99957<br>22041 | 52,107<br>3,450<br>2,400,000<br>46,718<br>552,000                              | 26,650<br>2,708<br>2,500,000<br>61,515<br>552,000                 | 28,800<br>18,200<br>2,500,000<br>70,000<br>552,000 | 13,000<br>2,600,000<br>35,880 | Letter of Credit \$2.0K per month thru June then zero<br>Assumes 0.50% on \$2,600,000<br>Per COP Schedule<br>Int rate 3.25%<br>\$5,520,000 monthly through 06-30-23 (10 years)  |
| Interest Payment to MPWMD<br>Funding Agreement with MPWMD   | 99961                                     | 22,875<br>500,000  | 7,625<br>500,000  | 7,625<br>500,000                                   | 0                             | Paid in full 10-31-21   |
| R & D Water Sources<br>Abandoned Well Costs/R&D Water Costs   |   | 0<br>0   | 0<br>0  | 0<br>0   | 0                             |   |
| Contribution to Capital Replacement Fund  | 11.1                                      | 0  | 0   | 158,000  | 0                             | current balance 03-31-22 \$494.6K   |
| Amortization Exp  | 99962                                     | 1,744,169  | 1,700,000   | 1,680,000  | 1,700,000                     |   |
| TOTAL NON OPERATING EXPENSES  |   | 5,341,374  | 5,370,498   | 5,539,700  | 4,944,915                     | 10.7% decrease from 21-22 budget  |
|   |   |  |   |  |                               | 7.9% decrease from 21-22 Projected actual   |
|   | COP                                       | Payment 07/01<br>2,300,000<br>2,400,000<br>2,500,000<br>2,600,000<br>9,800,000 | Year<br>2020<br>2021<br>2022<br>2023                              |  |                               | Costs<br>yr ending 06-30-22<br>yr ending 06-30-23   |
|   | MPWME                                     | 0 15,250<br>500,000<br>7,625<br>7,625<br>500,000                               | 10/31/20 h<br>10/31/20 F<br>4/30/21 h<br>10/31/21 h<br>10/31/21 F | Principal<br>nterest<br>nterest                    |                               |   |

#### CAWD/PBCSD Reclamation Project Capital Budget Fiscal Year 2022-23

### CAWD/PBCSD Reclamation Project

#### FY 2022/23 thru 2026/27

| Project # | PROJECT   | 22/23         | 23/24 | 24/25 | 25/26 | 26/27 | Unscheduled |
|-----------|---|---------------|-------|-------|-------|-------|-------------|
| CAPITAL   | . PROJECTS  |               |       |       |       |       |             |
| 1         | CAWD WWTP Phase 2 - Reclamation Share                       | \$<br>131,556 |       |       |       |       |             |
| 2         | CAWD Sulfuric/Citric Chemical Storage and Feed (carry over) | \$<br>334,000 |       |       |       |       |             |
| 3         | CAWD Asset Analysis and Master Plan                         | \$<br>300,000 |       |       |       |       |             |
| 4         | CAWD Fiber Wrap PVC Pipe                                    | \$<br>25,000  |       |       |       |       |             |
| 5         | CAWD Ammonia Tank Replacement                               | \$<br>100,000 |       |       |       |       |             |
| 6         | CAWD SCADA Migration (carry over)                           | \$<br>80,000  |       |       |       |       |             |
| 7         | PBCSD Pipeline Cathodic Protection (Carmel)                 | \$<br>250,000 |       |       |       |       |             |
|           | ,   |               |       |       |       |       |             |

#### **CAPITAL PURCHASES**

| а | CAWD Laboratory Ion Chromatograph (10% CAWD)      | \$      | 57,000  |              |              |
|---|---|---------|---------|--------------|--------------|
| b | CAWD Laboratory Autoclave (50% CAWD)              | \$      | 32,000  |              |              |
| С | CAWD ATL LIMS System new generation (50% CAWD)    |         |         |              | \$<br>38,790 |
| d | CAWD Laboratory Dishwashers (2) (75% CAWD/25% Rec | amation | )       |              | \$<br>30,000 |
| е | PBCSD Forest Lake Blowers (2)                     |         |         | \$<br>80,000 |              |
| f | PBCSD Flow Meters Remote Measuring System (12)    | \$      | 120,000 |              |              |
| g | PBCSD Forest Lake Mixers Installation             | \$      | 25,000  |              |              |
| h | PBCSD Forest Lake Backwash Basin Pump             | \$      | 25,000  |              |              |
|   |   |         |         |              |              |

| Total |                   | \$1,479,556 | \$<br>80,000 | \$<br>- | \$          | \$<br>- \$ | 68,790 |
|-------|-------------------|-------------|--------------|---------|-------------|------------|--------|
|       | RECLAMATION Share | \$1,457,856 | \$<br>80,000 | \$<br>- | \$<br>-     | \$<br>- \$ | 26,895 |
|       | PBCSD Share       | \$ 7,226    | \$<br>-      | \$<br>- | \$<br>- 3   | \$<br>- \$ | 7,493  |
|       | CAWD Share        | \$ 14,474   | \$<br>~      | \$<br>_ | \$<br>-     | \$<br>- \$ | 34,403 |
|       | Allocated Total   | \$1,479,556 | \$<br>80,000 | \$<br>  | \$<br>1.181 | \$<br>- \$ | 68,790 |

| FY 20 | )22-23 Budget                 | Contact:           | Treanor   |
|-------|-------------------------------|--------------------|---|
| CAW   | D/PBCSD Reclamation Project   | Area               | Effluent Building and Lab   |
|       |                               | Asset Type:        | Electrical  |
| WWI   | P Phase 2 - Reclamation Share | Avg Useful Life:   | 30 years  |
| CAW   | D                             | Est Residual Life: | 10 years  |
| \$    | 255,127                       | % Consumed Life:   | 66%   |
| \$    | 131,556                       | Category:          | Maintenance   |
|       |                               | Urgency:           | High  |
|       |                               | Carry Forward:     | No  |
|       | CAW<br>WWT<br>CAW<br>\$       |                    | CAWD/PBCSD Reclamation Project Area<br>Asset Type:<br>WWTP Phase 2 - Reclamation Share Avg Useful Life:<br>CAWD Est Residual Life:<br>\$ 255,127 % Consumed Life:<br>\$ 131,556 Category:<br>Urgency: |

CAWD is currently constructing the Elec/Mech Rehab and Sludge Holding Tank Project which includes Reclamation costs for new electrical and wet well mixing equipment for the Effluent Building and new power feeder to the Laboratory. About 2.7% of the total project is attributable to Reclamation based on the bid price and contractor schedule of values.

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

#### Justification

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. Additional cost attributable to Reclamation includes the Effluent Pump Station wet well mixing system which is needed to avoid build up of precipitates from RO Concentrate in the wet well which can cause discharge permit exceedences for TSS.

| Budget Impact/Other |    | States.  |               |         |    |      |       |      |       |      |         |
|---------------------|----|----------|---------------|---------|----|------|-------|------|-------|------|---------|
|                     | 1  | Prior Yr | 22-23         | 23-24   | 24 | 4-25 | 25-26 |      | 26-27 |      | Total   |
| Labor               | \$ | 55,555   |               |         |    |      |       |      |       | \$   | -       |
| Engineering         | \$ | 12,500   |               |         |    |      |       |      |       | \$   | -       |
| Parts & Supplies    | \$ | 55,555   |               |         |    |      |       |      |       | \$   | -       |
| Chemicals           |    |          |               |         |    |      |       |      |       | \$   | -       |
| Utility             |    |          |               |         |    |      |       |      |       | \$   | -       |
| Other               |    |          | \$<br>131,556 |         |    |      |       |      |       | \$   | 131,556 |
|                     | -  |          | <br>          |         |    |      |       |      |       |      |         |
| Total               | \$ | 123,610  | \$<br>131,556 | \$<br>- | \$ | - 3  | \$    | - \$ |       | - \$ | 131,556 |

| 2             | FY 2  | 022-23 Budget                                     | Contact:           | Treanor             |
|---------------|-------|---|--------------------|---------------------|
|               | CAW   | D/PBCSD Reclamation Project                       | Area               | MF/RO               |
|               |       |   | Asset Type:        | Various             |
| Project Name: | Sulfu | ric/Citric Chemical Storage and Feed (carry over) | Avg Useful Life:   | 15 Years            |
| Agency        | CAW   | D   | Est Residual Life: | 15 Years            |
| Total Cost:   | \$    | 414,000   | % Consumed Life:   | NA                  |
| CY Budget     | \$    | 334,000 Carry Over Amount                         | Category:          | Capital Improvement |
|               |       |   | Urgency:           | High                |
|               |       |   | Carry Forward:     | Yes                 |
|               |       |   |                    |                     |

The existing acid containment and storage at the Pad does not meet code requirements for seperation of dissimilar chemicals that could create an exothermic reaction if inadvertantly mixed. Furthermore, the volume of storage creates logistical issues and safety concerns with manually moving large totes of highly acidic chemicals. The project is currently in construction. 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 (Exten | dng life of Asset): | NA |
| Rehab Life Ex  | tension:    | 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.

| Carry Over from 21/22 Budget | \$370,000 |          | Sper | nt \$80,000 | Carry | Over \$290,0 | 00    |      |       |      |       |      |         |
|------------------------------|-----------|----------|------|-------------|-------|--------------|-------|------|-------|------|-------|------|---------|
| Budget Impact Other          | - 9       |          |      |             |       |              |       |      |       |      |       |      |         |
|                              | I         | Prior Yr |      | 22-23       |       | 23-24        | 24-25 |      | 25-26 |      | 26-27 |      | Total   |
| Labor                        | \$        | 40,000   | \$   | 124,000     |       |              |       |      |       |      |       | \$   | 124,000 |
| Engineering                  |           |          | 0    |             |       |              |       |      |       |      |       | \$   | -       |
| Parts & Supplies             | \$        | 40,000   | \$   | 190,000     |       |              |       |      |       |      |       | \$   | 190,000 |
| Chemicals                    |           |          |      |             |       |              |       |      |       |      |       | \$   | -       |
| Utility                      |           |          |      |             |       |              |       |      |       |      |       | \$   | -       |
| SCADA integration            |           |          |      | \$30,000    |       |              |       |      |       |      |       | \$   | 30,000  |
| Total                        | \$        | 80,000   | \$   | 344,000     | \$    | -            | \$    | - \$ |       | - \$ |       | - \$ | 344,000 |

| 3             | FY 2  | 2022-23 Budget               | Contact:           | Treanor        |
|---------------|-------|------------------------------|--------------------|----------------|
|               | CAW   | VD/PBCSD Reclamation Project | Area               | Tertiary/MF/RO |
|               |       |                              | Asset Type:        | NA             |
| Project Name: | Asset | t Analysis and Master Plan   | Avg Useful Life:   | NA             |
| Agency        | CAW   | VD                           | Est Residual Life: | NA             |
| Total Cost:   | \$    | 300,000                      | % Consumed Life:   | NA             |
| CY Budget     | \$    | 300,000                      | Category:          | Study          |
|               |       |                              | Urgency:           | Med            |
|               |       |                              | Carry Forward:     | No             |

The assets at the Tertiary Building and MF/RO Pad have not been evaluated for risk of failure and estimated remaining useful life which are needed in order to develop long term capital budget plan. This capital study would evaluate the existing assets and create a long term (10 to 15 year) capital plan for the Reclamation Treatment facilities.

 Year Built:
 NA

 Rehabilitation Date (Extending life of Asset):
 NA

 Rehab Life Extension:
 NA

#### Justification

Long Term Budget Planning

|                  | Prior Yr | 22-23         | 23-24 | 24   | -25  | 25-26 | 26-27 |      | Total   |
|------------------|----------|---------------|-------|------|------|-------|-------|------|---------|
| Labor            |          |               |       |      |      |       |       | \$   | -       |
| Engineering      |          | \$<br>300,000 |       |      |      |       |       | \$   | 300,000 |
| Parts & Supplies |          |               |       |      |      |       |       | \$   | -       |
| Chemicals        |          |               |       |      |      |       |       | \$   | -       |
| Utility          |          |               |       |      |      |       |       | \$   | -       |
| Other            |          |               |       |      |      |       |       | \$   | -       |
| Total            | <u> </u> | \$<br>300,000 | \$    | - \$ | - \$ |       | - \$  | - \$ | 300,000 |

| 4             | FY 20 | 022-23 Budget               | Contact:           | Treanor        |
|---------------|-------|-----------------------------|--------------------|----------------|
|               | CAW   | D/PBCSD Reclamation Project | Area               | Tertiary/MF/RO |
|               |       |                             | Asset Type:        | Piping         |
| Project Name: | Fiber | Wrap PVC Pipe               | Avg Useful Life:   | 20 years       |
| Agency        | CAW   | D                           | Est Residual Life: | 10 years       |
| Total Cost:   | \$    | 50,000                      | % Consumed Life:   | 50%            |
| CY Budget     | \$    | 25,000                      | Category:          | Maintenance    |
|               |       |                             | Urgency:           | Med-High       |
|               |       |                             | Carry Forward:     | No             |
|               |       |                             |                    |                |

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 (Extende | ng life of Asset): | NA |
| Rehab Life Ex  | tension:      | 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 |    |          | 11.63 |        |       |      |       |       |      |       |        |
|---------------------|----|----------|-------|--------|-------|------|-------|-------|------|-------|--------|
|                     | I  | Prior Yr | 2     | 22-23  | 23-24 |      | 24-25 | 25-26 |      | 26-27 | Total  |
| Labor               | \$ | 12,500   | \$    | 12,500 |       |      |       |       |      | \$    | 12,500 |
| Engineering         |    |          |       |        |       |      |       |       |      | \$    | -      |
| Parts & Supplies    | \$ | 12,500   | \$    | 12,500 |       |      |       |       |      | \$    | 12,500 |
| Chemicals           |    |          |       |        |       |      |       |       |      | \$    | -      |
| Utility             |    |          |       |        |       |      |       |       |      | \$    | -      |
| Other               |    |          |       |        |       |      |       |       |      | \$    | -      |
| Total               | \$ | 25,000   | \$    | 25,000 | \$    | - \$ | -     | \$    | - \$ | - \$  | 25,000 |

| 5                 | FY 2022-23 Budget              | Contact:           | Waggoner               |
|-------------------|--------------------------------|--------------------|------------------------|
|                   | CAWD/PBCSD Reclamation Project | Area               | Tertiary               |
|                   |                                | Asset Type:        | Process Equip (Liquid) |
| Project Name:     | Ammonia Tank Replacement       | Avg Useful Life:   | 15 years               |
| Agency            | CAWD                           | Est Residual Life: | 2 years                |
| Total Cost:       | \$ 100,000                     | % Consumed Life:   | 87%                    |
| CY Budget         | \$ 100,000                     | Category:          | Capital Equipment      |
|                   |                                | Urgency:           | Important              |
|                   |                                | Carry Forward:     | No                     |
|                   |                                |                    |                        |
| Asset Description | m                              |                    |                        |

Ammonia Storage tank with air scubber 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:
 15

#### Justification

The current Ammonia storage tank is reachng it's end of service life. Replacement with an updated tank and scubber 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 | D.:      | 1  | 22.22   | 02.04 | - 24 | 25   | 25.26 | 0( 07 |      | 70.4.1  |
|---------------------|----------|----|---------|-------|------|------|-------|-------|------|---------|
|                     | Prior Yr |    | 22-23   | 23-24 | 24-  | 25   | 25-26 | 26-27 |      | Total   |
| Labor               |          | \$ | 10,000  |       |      |      |       |       | \$   | 10,000  |
| Engineering         |          |    |         |       |      |      |       |       | \$   |         |
| Parts & Supplies    |          | \$ | 90,000  |       |      |      |       |       | \$   | 90,000  |
| Chemicals           |          |    |         |       |      |      |       |       | \$   |         |
| Utility             |          |    |         |       |      |      |       |       | \$   |         |
| Other               |          | 1  |         |       |      |      |       |       | \$   |         |
| Total               | ¢        | 1  | 100,000 | ¢     | - 5  | - \$ |       | - \$  | - \$ | 100,000 |

| 6             | FY 2  | 022-23 Budget               | Contact:           | Foley               |
|---------------|---|-----------------------------|--------------------|---------------------|
|               | CAWD/PBCSD Reclamation Project<br>lame: SCADA Migration<br>CAWD<br>st: \$ 159,182 | D/PBCSD Reclamation Project | Area               | Tertiary/MF/RO      |
|               | roject Name: SCADA Migration  |                             | Asset Type:        | SCADA               |
| Project Name: | SCA   | DA Migration                | Avg Useful Life:   | 15 Years            |
| Agency        | agency CAWD   |                             | Est Residual Life: | 0 years             |
| Total Cost:   | \$  | 159,182                     | % Consumed Life:   | 100%                |
| CY Budget     | \$  | 80,000 Carry Over Amount    | Category:          | Capital Improvement |
|               |   |                             | Urgency:           | High                |
|               |   |                             | Carry Forward:     | Yes                 |
| _             |   |                             |                    |                     |

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 (Extend | ng life of Asset): | 2008 |
| Rehab Life Ex  | tension:     | 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 |              |              |       |        |    |      |     |    |      |      |         |
|---------------------|--------------|--------------|-------|--------|----|------|-----|----|------|------|---------|
|                     | 20-21        | Prior Yr     |       | 22-23  | 2  | 3-24 | 24- | 25 | 25-2 | .6   | Total   |
| Labor               |              |              |       |        |    |      |     |    |      | \$   | -       |
| Engineering         | \$<br>19,182 | \$<br>60,000 | \$    | 80,000 |    |      |     |    |      | \$   | 159,182 |
| Parts & Supplies    |              |              | carry | y over |    |      |     |    |      | \$   | -       |
| Chemicals           |              |              |       |        |    |      |     |    |      | \$   | -       |
| Utility             |              |              |       |        |    |      |     |    |      | \$   | -       |
| Other               |              |              |       |        |    |      |     |    |      | \$   | -       |
| Total               | \$<br>19,182 | \$<br>60,000 | \$    | 80,000 | \$ | -    | \$  | -  | \$   | - \$ | 159,182 |

| a                | FY 202    | 22-23 Budget   | Contact:                                 | Waggoner                      |   |
|------------------|-----------|--|--|-------------------------------|---|
|                  | CAWD      | /PBCSD Reclamation Project                                       | Area                                     | Misc Structures               |   |
|                  |           |  | Asset Type:                              | Support Equipment             |   |
| Project Name:    | Laborat   | tory Ion Chromatograph (90% Reclamation)                         | Avg Useful Life:                         | 10 years                      |   |
| Agency           |           |  | Est Residual Life:                       | 1 year                        |   |
| Total Cost:      | \$        | 57,000   | % Consumed Life:                         | 97%                           |   |
| CY Budget        |           |  | Category:                                | Capital Equipment             |   |
|                  |           |  | Urgency:                                 | 2 = Very Important            |   |
|                  |           |  | Carry Forward:                           | Yes                           |   |
| Asset Descriptio | n         |  |  |                               |   |
| The Ion Chroma   | tograph u | init is a Laboratory instrument used to analyze various chemical | constituents for the process control and | reporting for the Reclamation | 1 |
| Project.         |           |  |  |                               |   |

| Year Built:          | Jul-05                    |     |
|----------------------|---------------------------|-----|
| Rehabilitation Date  | (Extendng life of Asset): | N/A |
| Rehab Life Extension | on:                       | N/A |

#### 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 Reservior, 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.

|                  | Prior Yr | 22- | -23    | 23-24 | 24   | -25  | 25-26 | 26-27       |      | Total  |
|------------------|----------|-----|--------|-------|------|------|-------|-------------|------|--------|
| Labor            |          |     |        |       |      |      |       |             | \$   |        |
| Engineering      |          |     |        |       |      |      |       |             | \$   |        |
| Parts & Supplies |          | \$  | 57,000 |       |      |      |       |             | \$   | 57,000 |
| Chemicals        |          |     |        |       |      |      |       |             | \$   |        |
| Utility          |          |     |        |       |      |      |       |             | \$   |        |
| Other            |          |     |        |       |      |      |       |             | \$   |        |
| Total            | 8        | \$  | 57,000 | \$    | - \$ | - \$ |       | - <u>\$</u> | - \$ | 57,00  |

| b             | FY 2022-23 Budget                      | Contact:           | Waggoner          |
|---------------|--|--------------------|-------------------|
|               | CAWD/PBCSD Reclamation Project         | Area               | Misc Structures   |
|               |  | Asset Type:        | Support Equipment |
| Project Name: | Laboratory Autoclave (50% Reclamation) | Avg Useful Life:   | 20 years          |
| Agency        |  | Est Residual Life: | 1 year            |
| Total Cost:   | \$ 32,000                              | % Consumed Life:   | 89%               |
| CY Budget     |  | Category:          | Capital Equipment |
|               |  | Urgency:           | 3 = Important     |
|               |  | Carry Forward:     | Yes               |
|               |  |                    |                   |

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

| Year Built:          | Jun-93                    |     |
|----------------------|---------------------------|-----|
| Rehabilitation Date  | (Extendng life of Asset): | N/A |
| Rehab Life Extension | on:                       | N/A |

#### 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.

|                  | Prior Yr | 2  | 2-23   | 23-24 | 24   | 4-25 | 25-26 | 26-27 |      | Total  |
|------------------|----------|----|--------|-------|------|------|-------|-------|------|--------|
| Labor            |          | I  |        |       |      |      |       |       | \$   |        |
| Engineering      |          | 1  |        |       |      |      |       |       | \$   |        |
| Parts & Supplies |          | \$ | 32,000 |       |      |      |       |       | \$   | 32,000 |
| Chemicals        |          |    |        |       |      |      |       |       | \$   |        |
| Utility          |          | 1  |        |       |      |      |       |       | \$   |        |
| Other            |          |    |        |       |      |      |       |       | \$   |        |
| Total            | \$ -     | \$ | 32,000 | \$    | - \$ | - \$ | -     | \$    | - \$ | 32,000 |

| с             | FY 2      | 21-22 Budget                                    | Contact:           | Waggoner          |
|---------------|-----------|---|--------------------|-------------------|
|               | Carm      | el Area Wastewater District                     | Area               | Misc Structures   |
|               |           |   | Asset Type:        | Office Equip      |
| Project Name: | ATL       | Laboratory Information Management System (LIMS) | Avg Useful Life:   | 20 years          |
| Dept:         | Treatment |   | Est Residual Life: | 15 years          |
| Total Cost:   | \$        | 38,790  | % Consumed Life:   | 25%               |
| CY Budget     | \$        | -   | Category:          | Capital Equipment |
| GL Account:   |           |   | Urgency:           | 5 = Future        |
|               |           |   | Carry Forward:     | Yes               |
|               |           |   |                    |                   |

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

| Year Built:                                    | 2014 |
|--|------|
| Rehabilitation Date (Extending life of Asset): | N/A  |
| Rehab Life Extension:                          | N/A  |

#### Justification

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

| Budget Imp  | oact/Other |            |      |        |      |      |             |    |        |
|-------------|------------|------------|------|--------|------|------|-------------|----|--------|
|             |            |            |      |        |      | Uns  | Unscheduled |    |        |
| Labor       |            |            |      |        |      |      |             |    |        |
| Engineering | g          |            |      |        |      |      |             | \$ | -      |
| Parts & Sup |            |            |      |        |      | \$   | 36,000      | \$ | 36,000 |
| Chemicals   |            |            |      |        |      |      |             | \$ | -      |
| Utility     |            |            |      |        |      |      |             | \$ | -      |
| Other       |            |            |      |        |      | \$   | 2,790       | \$ | 2,790  |
|             |            |            |      |        |      |      |             |    |        |
|             | Total      | \$<br>- \$ | - \$ | · – \$ | - \$ | - \$ | 38,790      | \$ | 38,790 |

| d             | FY 20  | 22-23 Budget                                     | Contact:           | Waggoner                 |
|---------------|--------|--|--------------------|--------------------------|
|               | Carm   | el Area Wastewater District                      | Area               | Lab                      |
|               |        |  | Asset Type:        | Process Equip (Chemical) |
| Project Name: | Labor  | atory Dishwashers (2) (75% CAWD/25% Reclamation) | Avg Useful Life:   | 10 years                 |
| Dept:         | Treatr | nent   | Est Residual Life: | 5 years                  |
| Total Cost:   | \$     | 30,000   | % Consumed Life:   | 50%                      |
| CY Budget     | \$     | -  | Category:          | Capital Equipment        |
| GL Account:   |        |  | Urgency:           | 5 = Future               |
|               |        |  | Carry Forward:     | Yes                      |
|               |        |  |                    |                          |

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

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

#### Justification

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

|                  | Unscheduled           | Total     |
|------------------|-----------------------|-----------|
| Labor            | \$ 2,000              | \$ 2,000  |
| Engineering      |                       | \$-       |
| Parts & Supplies | \$ 26,000             | \$ 26,000 |
| Chemicals        |                       | \$-       |
| Utility          |                       | \$·       |
| Other            | \$ 2,000              | \$ 2,000  |
| Total 5 - 5      | - \$ - \$ - \$ 30.000 | \$ 30,000 |

#### PBCSD Capital Budget 2022-23

### **CAWD/PBCSD RECLAMATION PROJECT**

### STATUS OF FY 2021-22 CAPITAL OUTYLAYS AND 2022-23 PROPOSED BUDGET

| ITEM   | Actual thru<br>2/28/22 | Projected<br>thru 6/30/22 |                        | FY 2021-<br>22<br>Original<br>Budget | FY 2021-<br>22<br>Adjusted<br>Budget | STATUS                                  | Comments<br>/Notes  |
|--|------------------------|---------------------------|------------------------|--------------------------------------|--------------------------------------|---|---|
| CAPITAL FY 2020-21                               |                        |                           |                        |                                      |                                      |   |   |
| Pipeline Cathodic Protection<br>(Carmel)         | -                      | 20,000                    |                        | 250,000                              | 250,000                              | Re-budget<br>in FY 2022<br>23           | Rebudget in<br>2022/23<br>2/8/22 RMC  |
| Forest Lake Mixers (2)                           | -                      | 95,000                    |                        | 75,000                               | 75,000                               | Planned<br>completio<br>n by<br>6/30/22 | Report: Cost<br>is \$90K; No<br>budget adj<br>requested as<br>cost of Outlet<br>Gate<br>operators is<br>underbudget |
| Forest Lake Outlet Gate Electric<br>Operators    | -                      | 20,000                    |                        | 50,000                               | 50,000                               | Planned<br>completio<br>n by<br>6/30/22 | 2/8/22 RMC<br>Report: Cost<br>is expected<br>to be \$20K;<br>Will install in<br>house.                              |
| Forest Lake Inflatable Work Boat                 | -                      | -                         |                        | 20,000                               | 20,000                               | Delete<br>from<br>Budget &<br>LTCOP     |   |
| Forest Lake Chemical Feed System<br>Improvements | 9,651                  | -                         |                        | -                                    | -                                    | Complete<br>& In<br>Service             |   |
| TOTAL PBCSD CAPITAL EXPENSES                     | 9,651                  | 135,000                   | I                      | 395,000                              | 395,000                              | ĺ                                       |   |
| PROPOSED BUDGET FY 2022-23                       |                        | Proposed<br>FY 2022-23    | Proposed<br>FY 2023-24 |                                      | DESCRI                               |   |   |

| Forest Lake Blowers (2)                     |         | 80,000 | Replace two blowers at Forest Lake Chemical<br>Building that supply air and vertical mixing at<br>Forest Lake every fifteen years.  |
|---|---------|--------|---|
| Flow Meters Remote Measuring<br>System (12) | 120,000 |        | Replace the irrigation meters and install cellular<br>antennas to allow recycled water meter readings<br>to be remotely moniored; replace meter valult<br>lids, meter piping, valves and appurtenances. |
| Pipeline Cathodic Protection<br>(Carmel)    | 250,000 |        | Expects to spend \$20K in FY 2021/22, remaining unspent rebudgeted from 2021/22.  |
| Forest Lake Mixers Installation             | 25,000  |        | May need to hire divers.  |
| Forest Lake Backwash Basin Pump             | 25,000  |        | Materials Purchase, Planned installation in-house.  |
| TOTAL PBCSD CAPITAL EXPENSES                | 420,000 | 80,000 | E   |

#### CAWD/PBCSD Reclamation Project

RECLAIMED & POTABLE WATER SALES

|                        | Potable | Reclaimed | Total    | Total        | Cost per | Annual  |
|------------------------|---------|-----------|----------|--------------|----------|---------|
| Year                   | AF      | AF        | AF       | Water Sales  | AF       | 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 | 7,063,288.00 | \$6,626  | 12.13%  |
| 2020-21                | 0.00    | 1,025.00  | 1,025.00 | 6,838,738.00 | \$6,672  | -3.18%  |
| 2021-22 (est)          | 0.00    | 1,025.00  | 1,025.00 | 7,000,000.01 | \$6,829  | 2.36%   |
| 2022-23 (budget)       | 0.00    | 1,000.00  | 1,000.00 | 7,478,944.00 | \$7,479  | 6.84%   |

| Actual 2021-22 | Potable | Reclaimed | Total  | Total        | Cost per  | Cost per AF        |
|----------------|---------|-----------|--------|--------------|-----------|--------------------|
|                | AF      | AF        | AF     | Water Sales  | AF        | Est. Act. Variance |
| Jul-21         | 0.00    | 122.00    | 122.00 | 694,873.84   | 5,696.00  | -16.59%            |
| Aug-21         | 0.00    | 132.00    | 132.00 | 723,497.84   | 5,481.00  | -19.74%            |
| Sep-21         | 0.00    | 121.00    | 121.00 | 691,107.65   | 5,712.00  | -16.36%            |
| Oct-21         | 0.00    | 72.00     | 72.00  | 551,595.94   | 7,661.00  | 12.18%             |
| Nov-21         | 0.00    | 33.00     | 33.00  | 440,602.39   | 13,352.00 | 95.51%             |
| Dec-21         | 0.00    | 9.00      | 9.00   | 365,237.13   | 40,582.00 | 494.24%            |
| Jan-22         | 0.00    | 26.00     | 26.00  | 418,126.37   | 16,082.00 | 135.49%            |
| Feb-22         | 0.00    | 74.00     | 74.00  | 556,358.86   | 7,518.00  | 10.08%             |
| Mar-22 es      | t. 0.00 | 21.00     | 21.00  | 337,722.00   | 16,082.00 | 135.49%            |
| Apr-22 es      | t. 0.00 | 73.00     | 73.00  | 559,253.00   | 7,661.00  | 12.18%             |
| May-22 es      | t. 0.00 | 134.00    | 134.00 | 734,454.00   | 5,481.00  | -19.74%            |
| Jun-22 es      | t. 0.00 | 154.00    | 154.00 | 844,074.00   | 5,481.00  | -19.74%            |
| TD             | 0.00    | 971.00    | 971.00 | 6,916,903.02 | 7,123.00  | 4.30%              |

| Actual 2020-21 | Potable | Reclaimed | Total    | Total        | Cost per  | Cost per AF        |
|----------------|---------|-----------|----------|--------------|-----------|--------------------|
|                | AF      | AF        | AF       | Water Sales  | AF        | Est. Act. Variance |
| Jul-20         | 0.00    | 146.00    | 146.00   | 730,113.74   | 5,001.00  | -25.04%            |
| Aug-20         | 0.00    | 128.00    | 128.00   | 682,039.00   | 5,328.00  | -20.14%            |
| Sep-20         | 0.00    | 105.00    | 105.00   | 621,987.97   | 5,924.00  | -11.21%            |
| Oct-20         | 0.00    | 101.00    | 101.00   | 610,503.60   | 6,045.00  | -9.40%             |
| Nov-20         | 0.00    | 51.00     | 51.00    | 479,193.55   | 9,396.00  | 40.83%             |
| Dec-20         | 0.00    | 22.00     | 22.00    | 402,919.10   | 18,315.00 | 174.51%            |
| Jan-21         | 0.00    | 13.00     | 13.00    | 378,586.19   | 29,122.00 | 336.48%            |
| Feb-21         | 0.00    | 8.00      | 8.00     | 364,055.73   | 45,507.00 | 582.07%            |
| Mar-21         | 0.00    | 46.00     | 46.00    | 466,058.67   | 10,132.00 | 51.86%             |
| Apr-21         | 0.00    | 117.00    | 117.00   | 654,258.85   | 5,592.00  | -16.19%            |
| May-21         | 0.00    | 136.00    | 136.00   | 702,903.82   | 5,168.00  | -22.54%            |
| Jun-21         | 0.00    | 152.00    | 152.00   | 746,117.62   | 4,909.00  | -26.42%            |
| TD             | 0.00    | 1,025.00  | 1,025.00 | 6,838,737.84 | 6,672.00  | 0.00%              |

| Actual 2019-20 | Potable | Reclaimed | Total    | Total        | Cost per   | Cost per AF        |
|----------------|---------|-----------|----------|--------------|------------|--------------------|
|                | AF      | AF        | AF       | Water Sales  | AF         | Est. Act. Variance |
| Jul-19         | 0.00    | 155.00    | 155.00   | 776,100.00   | 5,007.00   | -24.43%            |
| Aug-19         | 0.00    | 155.00    | 155.00   | 776,422.00   | 5,009.00   | -24.40%            |
| Sep-19         | 0.00    | 139.00    | 139.00   | 729,402.00   | 5,247.00   | -20.81%            |
| Oct-19         | 0.00    | 127.00    | 127.00   | 697,805.00   | 5,495.00   | -17.07%            |
| Nov-19         | 0.00    | 51.00     | 51.00    | 481,889.00   | 9,449.00   | 42.60%             |
| Dec-19         | 0.00    | 2.00      | 2.00     | 343,410.00   | 171,705.00 | 2491.38%           |
| Jan-20         | 0.00    | 3.00      | 3.00     | 346,009.00   | 115,336.00 | 1640.66%           |
| Feb-20         | 0.00    | 46.00     | 46.00    | 466,461.00   | 10,140.00  | 53.03%             |
| Mar-20         | 0.00    | 19.00     | 19.00    | 391,008.00   | 20,579.00  | 210.58%            |
| Apr-20         | 0.00    | 61.00     | 61.00    | 576,389.00   | 9,449.00   | 42.60%             |
| May-20         | 0.00    | 151.00    | 151.00   | 792,297.00   | 5,247.00   | -20.81%            |
| Jun-20         | 0.00    | 157.00    | 157.00   | 786,099.00   | 5,007.00   | -24.43%            |
| TD             | 0.00    | 1,066.00  | 1,066.00 | 7,163,291.00 | 6,720.00   | 1.42%              |

F/Budget/2022-23 Recl Budget/22-23/22-23 Recl Budget v3 Water Sales 22-23

| Operating Costs - billed per AF usage |              |
|---------------------------------------|--------------|
| Operating Expenses                    | 3,351,188.49 |
| MPWMD fee                             | 70,000.00    |
| Prior Yr O&M rollover                 | 0.00         |
|                                       | 3,421,188.49 |
| Estimated AF                          | 1,000.00     |
| Price per AF                          | 3,421.19     |

| Non Operating Costs - billed per Agreement % |              |  |  |  |  |
|--|--------------|--|--|--|--|
| Non Operating Expenses                       | 3,219,900.00 |  |  |  |  |
| Capital Budget                               | 1,457,856.00 |  |  |  |  |
| Prior Yr Capital Projects (rollover)         | (620,000.00) |  |  |  |  |
|  | 4,057,756.00 |  |  |  |  |

|                   | Μα      | onthly     |
|-------------------|---------|------------|
| MPCC-Dunes        | 12.13%  | 41,000.24  |
| MPCC-Shore        | 12.13%  | 41,000.24  |
| Cypress Point     | 12.13%  | 41,000.24  |
| Poppy Hills       | 12.13%  | 41,000.24  |
| Pebble Beach      | 12.13%  | 41,000.24  |
| Spyglass Hill     | 12.13%  | 41,000.24  |
| Spanish Bay       | 12.13%  | 41,000.24  |
| PB Range          | 3.63%   | 12,257.80  |
| Peter Hay         | 3.50%   | 11,835.12  |
| PB Resorts        | 3.50%   | 11,835.12  |
| Equestrian Center | 3.00%   | 10,144.39  |
| Stevenson School  | 1.50%   | 5,072.20   |
|                   | 100.00% | 338,146.33 |

| Prior Yr Capital Projects (rollover) |                             | Orig | . Budget | Spent        | Ca | arry Over |
|--------------------------------------|-----------------------------|------|----------|--------------|----|-----------|
| CAWD                                 | SCADA Migration (carry over | \$   | 140,000  | \$<br>60,000 | \$ | 80,000    |
|                                      | Sulfuric/Citric Chemical    |      |          |              |    |           |
|                                      | Storage and Feed (carry     |      |          |              |    |           |
| CAWD                                 | over)                       | \$   | 370,000  | \$<br>80,000 | \$ | 290,000   |
| PBCD                                 | Pipeline Cathodic Protect   | \$   | 250,000  | \$<br>-      | \$ | 250,000   |
|                                      |                             |      |          |              | \$ | 620,000   |

#### **RESOLUTION NO. 2022-25**

### A RESOLUTION ADOPTING THE CARMEL AREA WASTEWATER DISTRICT (CAWD)/PEBBLE BEACH COMMUNITY SERVICE DISTRICT (PBCSD) FISCAL YEAR 2022-23 RECLAMATION PROJECT BUDGET

-000-

WHEREAS, the attached CAWD/PBCSD Reclamation Project Fiscal Year 2022-23 Budget was approved at the Technical Advisory Committee group level and final approval was given by the Reclamation Management Committee (RMC) at its May 10, 2022 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 2022-23 Budget.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on May 26, 2022, by the following vote:

| AYES:    | BOARD MEMBERS: |
|----------|----------------|
| NOES:    | BOARD MEMBERS: |
| ABSENT:  | BOARD MEMBERS: |
| ABSTAIN: | BOARD MEMBERS: |

Ken White, President of the Board

ATTEST:

Domine Barringer, Secretary of the Board

# **Staff Report**



To: Board of Directors
From: Barbara Buikema, General Manager
Date: May 26, 2022
Subject: Sewer Connection Fee for FY 2022-23

### RECOMMENDATION

It is recommended that the Board of Directors adopt a resolution approving an increase in the basic residential unit connection fee to \$8,272.66 as detailed in the attached Schedule of Connection Fees effective June 1, 2022.

### 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 9.8% from \$7,532.64 on 06-01-21 to \$8,272.66 on 05-26-22. Detailed computation spreadsheets are available at the Board's request. Because CAWD is a built-out,(fully developed) District it is estimated that the increase of \$740.02 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 1<sup>st</sup>, based on the last full year of fixed asset data; 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 \$101,626,665. 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: 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 \$101,626,665 and excludes all Reclamation tertiary (Reclamation Secondary facilities are included) and Collection assets to arrive at applicable connection fee assets of \$49,808,957. 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 \$49,808,957 down to a local present value cost of \$27,001,411. To this is added the District's current assets of \$43,404,198, for a total value of applicable assets of \$70,405,610.

A connection fee per gallon per day is determined by dividing \$70,405,610 (total current value) 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 \$8,272.66 The reasons for the increase include an increase in the ENR index of 3.35% from 2020 and an increase in current assets increase of 11.2% over 2020. 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.

CAWD's 2022 connection fee represents a 71.7% increase over the five-year-back Monterey County average. The two most significant reasons behind the increase are the Phase 1 and Phase 2 work done at the treatment plant and the increase in the District's current assets.

Attachments:

- 1. 2022 Calculation Fee Calculations 06-22
- 2. Connection Fee Calculations effective 06-01-22

# CARMEL AREA WASTEWATER DISTRICT - CONNECTION FEE CALCULATIONS Jun-22

| -           |          | A  | В                  | с              | D                    | Е                    | F   | G                    | н                    | J                                  | К                     | L             | М              | N   | 0  |
|-------------|----------|--|--------------------|----------------|----------------------|----------------------|---|----------------------|----------------------|------------------------------------|-----------------------|---------------|----------------|---|--|
| Asset<br>No | GL<br>No | DESCRIPTION<br>OF ASSET  | CUR<br>YR.         | PUR<br>YR      | USE<br>LIFE          | % VALUE<br>REMAININC | ORIGINAL<br>COST  | DEPRECIATED<br>VALUE | CURRENT<br>ENR       | ORIGIN<br>ENR                      | UPDATED<br>VALUE      | LOCAL<br>COST | LOCAL<br>VALUE | % CSD<br>COST                               | CSD<br>VALUE   |
|             |          | Grand Total:   |                    |                |                      | -                    | 101,626,665.98  | 54,113,078.94        |                      |                                    | 87,201,563.94         |               | 85,321,723.87  | _   | 27,001,411.50  |
|             |          | EXCLUDED ASSETS:<br>Reclamation - Tertiary Structures<br>Reclamation - O & M<br>Pump Station structures<br>Pump Station Equipment<br>Sewer Systems<br>TOTAL ASSETS PER AUDITED GE<br>CIP<br>a. Current CAWD share value from<br>b. Total current assets as of end of a | above.             | to<br>to<br>to | 1431<br>1506<br>1527 | oob                  | 35,384,151.66<br>460,305.31<br>1,170,300.67<br>1,509,600.36<br>13,293,350.40<br>51,817,708.40<br>103,260,732.90<br>(1,634,067.11)<br>101,626,665.79<br>(0.19) | 49,808,957.58<br>ck  | 101,625,665.98<br>ck | \$27,001,411.50<br>\$43,404,198.94 |                       |               |                | Land<br>Assets<br>CIP<br>deprec<br>Total FA | 308,060.00<br>101,318,605.79<br>101,626,665.79<br>1,634,067.11<br>103,260,732.90<br>(53,931,869.10)<br>49,328,863.80 |
|             |          | c. Total current value of all District a   | ssets. (a+b)       |                |                      |                      |   |                      |                      | \$70,405,610.44                    |                       |               |                |   |  |
|             |          | d. Current Authorized Design Flow.   | (NPDES Permit      | )              |                      |                      |   |                      |                      | 3,000,000                          | gpd                   |               |                |   |  |
|             |          | e. Average daily flow per capita. (De  | esign criteria)    |                |                      |                      |   |                      |                      | 100                                | gpd                   |               |                |   |  |
|             |          | f. Average number of people per res  | sidential unit.(Co | unty Pl        | anning)              |                      |   | 2.35                 |                      | 2.35                               | persons.              |               |                |   |  |
|             |          | g. Average daily flow per residential  | unit. (e*f)        |                |                      |                      |   |                      |                      | 235                                | gpd                   |               |                |   |  |
|             |          | h. CAWD Share of authorized flows  | . (2/3 * ď)        |                |                      |                      |   |                      |                      | 2,000,000                          | gpd                   |               |                |   |  |
|             |          | i. Connection fee per unit flow. (c/h)   |                    |                |                      |                      |   |                      |                      | \$35.20                            | per gpd.              |               |                |   |  |
|             |          | j. Connection fee per E.R.U. (g*i)   |                    |                |                      |                      |   |                      |                      | \$8,272.66                         | 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, 2021 effective June 1, 2022

| Balance of applicable assets - June 30, 2021  | 101,626,665.98                                  |               |  |  |  |  |
|---|---|---------------|--|--|--|--|
| Depreciated Value<br>ENR Updated Value<br>Local Value - Net after grant funds       | 54,113,078.94<br>87,201,563.94<br>85,321,723.87 |               |  |  |  |  |
| Excluded Assets   |   |               |  |  |  |  |
| Reclamation – Tertiary Structures   | 35,384,151.66                                   |               |  |  |  |  |
| Reclamation – O&M   | 460,305.31                                      |               |  |  |  |  |
| 1   | Pump Station Structures1,170,301.67             |               |  |  |  |  |
| Pump Station Equipment  |   |               |  |  |  |  |
| Sewer System  | 13,293,350.40                                   |               |  |  |  |  |
| CAWD's share - Net of PBCSD reimbursement   |   | 27,001,411.50 |  |  |  |  |
| Add Current assets balances at June 30, 2019  | 43,404,198.94                                   |               |  |  |  |  |
| (A) Total value of applicable assets  | 70,405,610.44                                   |               |  |  |  |  |
| (B) Average daily flow per equivalent residential as prescribed by the County       |   |               |  |  |  |  |
| <ul><li>(C) CAWD's share of authorized flows:</li><li>2/3 x 3 mgd</li></ul>         | 2,000,000 gpd                                   |               |  |  |  |  |
| <ul><li>(D) Connection fee per gallon per day:</li><li>(A) divided by (C)</li></ul> | \$35.20   |               |  |  |  |  |
| Connection fee per Equivalent Residential Un<br>(B) X (D)                           |   | \$ 8,272.66   |  |  |  |  |
|   |   | · · · ·       |  |  |  |  |

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. 2022-26**

### A RESOLUTION SPECIFYING THE DISTRICT SEWER CONNECTION AND ANNEXATION FEES, AS ADOPTED BY ORDINANCE NO. 85-2, COMMENCING JUNE 1, 2022

#### -000-

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 General 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 \$8,272.66 per equivalent residential unit or per acre of vacant land, commencing June 1, 2022, 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 26, 2022, by the following vote:

| AYES:    | BOARD MEMBERS: |
|----------|----------------|
| NOES:    | BOARD MEMBERS: |
| ABSENT:  | BOARD MEMBERS: |
| ABSTAIN: | BOARD MEMBERS: |

#### Ken White, President of the Board

#### ATTEST:

Domine Barringer, Secretary of the Board

Information/Discussion

# **Carmel Area Wastewater District**

WWTP Elec/Mech Rehab and Sludge Holding Tank Replacement Project

# **Construction Progress Report**

May 11<sup>th</sup>, 2022

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



# Section 1: Project Summary

| Project Summary                                     | Project Summary        |                                  |       |  |  |  |
|---|------------------------|----------------------------------|-------|--|--|--|
| General Contractor                                  |                        | Clark Bros Inc                   |       |  |  |  |
| Contract Value                                      |                        | -                                |       |  |  |  |
| Contract Bid Amount                                 |                        | \$7,291,500                      |       |  |  |  |
| Change Orders Issued                                | to Date                | 1                                |       |  |  |  |
| Value Added Change<br>Order Cost <sup>(1)</sup>     |                        |                                  | 0.38% |  |  |  |
| Non Value Added<br>Change Order Cost <sup>(2)</sup> | % of Bid Amount        | \$47,839.58                      | 0.66% |  |  |  |
| Total Change Order<br>Cost                          | % of Bid Amount        | \$76,039.54                      | 1.0%  |  |  |  |
| Current Contract Value                              | 2                      | \$7,367,539.54                   |       |  |  |  |
| Open/Pending Potentia                               | al Change Orders (PCO) | 0                                |       |  |  |  |
| Contract Time                                       |                        |                                  |       |  |  |  |
| Notice To Proceed                                   |                        | September 7 <sup>th</sup> , 2021 |       |  |  |  |
| Original Contract Time                              |                        | 550 Calendar Days                |       |  |  |  |
| Calendar Days Elapsed                               | l                      | 246 Days                         |       |  |  |  |
| Weather Days: Accepte                               | ed to Date             | 0 Days                           |       |  |  |  |
| Contract Change Order                               | r(s) Time Extension    | 0 Days                           |       |  |  |  |
| Current Contract Com                                | pletion Date           | March 3 <sup>rd</sup> , 2023     |       |  |  |  |
| Contract Progress Sum                               | mary                   |                                  |       |  |  |  |
| Total Project Time Expe                             | ended                  | 45%                              |       |  |  |  |
| Total Project Cost Expe                             | ended                  | 33% (not including retention)    |       |  |  |  |

Notes:

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

# Section 2: Work Performed This Month

### 2.1 General

Work this month included final stripping of tank wall forms, concrete patching of the tank, and start of elevated walkway rebar. Also, underground piping work was conducted. Electrical conduit rough-in continued in the headworks area.

### 2.1.1 Submittals

Submittals reviewed this month included pipe layout drawings, concrete patching materials, and O&M Manuals.

### 2.1.2 PLC Programming

PLC programming by Frisch Engineering is in progress.

### 2.2 Site Work

# 2.2.1 Potholing/Locating Existing Utilities

None.

# 2.3 Sludge Holding Tank Replacement

The tank walls are completed and all forms are removed. Work has begun on the elevated walkway and stairway. Underground piping work was in progress this month for the new tank sludge feed.

# 2.4 Influent Pump Station Rehab

No work observed.

# 2.5 Headworks Rehab

Conduit lay out and rough-in continued inside the Headworks structure this month

# 2.6 Chlorination Building Rehab/3W System Improvements

The 3W bladder tank concrete pad was formed and rebar installed.

# 2.7 Effluent Pump Station Rehab

No work observed.

# Section 3: Project Issues

In March 2022, Clark Bros informed CAWD of delays in procurement of the Motor Control Center (MCC) equipment. Clark Bros is currently working on a revised project schedule reflecting new equipment delivery dates. No major equipment will start arriving on-site until June/July with MCC equipment anticipated in September.

### Section 4: RFI and Submittals Review Summary

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

|                           | Total NumberNumber ReceivedProcessedin Current Month |   |
|---------------------------|--|---|
| <b>RFI/Clarifications</b> | 35   | 4 |
| Submittals                | 130  | 4 |

### Section 5: Change Order Summary

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

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

# Section 6: Project Schedule and Budget

### 6.1 Schedule

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

### 6.2 Budget

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

Currently the amount to be paid to CBI is 33% (not including retention) of the total approved budget (36% with retention).

# Section 7: Photos

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

Photos: Sludge Holding Tank Replacement













































































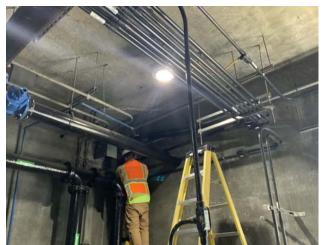


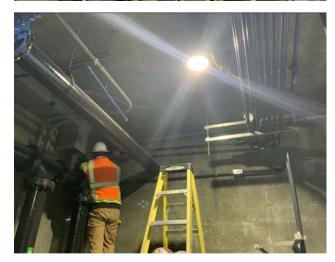
Photos: Headworks Rehab

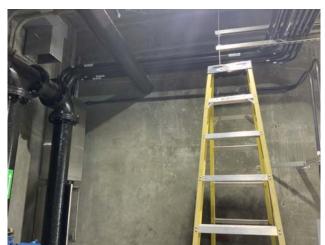


















Photos: Chlorination Building/3W System Improvements







# **STAFF REPORT**

To: **Board of Directors** From: Barbara Buikema, General Manager Date: May 26, 2022 Subject: Pebble Beach Community Services District (PBCSD) – Regular Board Meeting on April 29, 2022



# DISCUSSION

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

- Kelvin Ellison, Maintenance Technician was recognized as the 2021 California Water Environment Association Collection System Person of the Year.
- Total cash balance at the end of March 2022 was \$24.6M; of that amount \$20.2M was designated for Capital Acquisition and Outlay Reserves. Property taxes comprise roughly 80% of District revenues with user fees making up 22%. of total actual cost of wastewater operations.
- Staff presented the 2022-23 Preliminary Budget, which includes \$17.1M in property tax revenues and 2.6M in charges for services. The fiscal year 2022-23 property tax revenue increased by \$800K or 5%. The sewer user fees are proposed to increase by 9%. Estimated annual revenue that will be generated by the proposed fee increase is \$1.38M. The budget includes \$7.1M for wastewater expenditures, excluding the carry-over amount from the prior year. The proposed difference between the budgeted expenditures and the user fee revenues is to be financed from property tax (\$2.5M), capital outlay reserve (\$3.0M), and investment and other revenues \$132K.
- The proposed residential sewer user fee of \$29.10 per month is the lowest on the peninsula.
- The preliminary budget includes a recommended cost of living adjustment of 4.7%.
- The Board authorized execution of an agreement with Eide Bailly LLP for audit services for a period of three years 2021-22, 2022-23, and 2023-24. Staff requested proposals from twenty firms and received eight responses.

- Forest Lake Reservoir is holding 115 million gallons (MG) or 353-acre feet (AF) of recycled water. This represents 100% of the permitted capacity of 115 MG. The current storage volume is 3% above the historic average of 112 MG or 343 AF.
- Total irrigation water demand for the 2022 calendar year through March was 174acre feet (AF). Total demand for the calendar year is 278% above the 5-year average of 46 AF through March. The month of March reflected a net storage increase of approximately 1 MG. By comparison, a net storage decrease of approximately 1 MG occurred in March of last year.
- Average daily wastewater flow of 353,000 gallons per day (GPD) was measured in March at the PBCSD-Carmel gate. This represents 32% of the total flow at the Carmel Area Wastewater District (CAWD) treatment facility. The measured PBCSD flow was 39% below the five-year average of 576,000 GPD for the month of March. The CAWD total flows were 29% below the five-year average of 1,569,000 GPD for March.
- The dry weather diversion facilities located adjacent to the 4<sup>th</sup> fairway and 18<sup>th</sup> green of Pebble Beach Golf Links were put into service on/around March 9<sup>th</sup>. The three wells (MPCC No. 8, MPCC No. 9, and MPCC Bird Rock) were brough online for four days in late March only to be taken offline (along with the two diversion facilities) due to a storm event near the end of the month Total production for the 2022 calendar year through mid-April was approximately 2.5 million gallons.
- Supervisory Control and Data Acquisition (SCADA) system upgrade is dependent upon material supply issues. Implementation at Pump Station P5 is dependent on receipt of PLC components. Given these impacts they have begun design work on Pump Station No. 3.
- Corrosion protection engineers conducted additional field work to confirm presence of a discontinuity along the section of recycled water pipeline that traverses underneath the Carmel River. They are in the process of amending cathodic protection design documents to provide mitigation.
- The Board approved an amended job description of the Deputy General Manager.

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

| MONTH     | TOTAL   | CAWD FLOW | PBCSD FLOW | PBCSD   |
|-----------|---------|-----------|------------|---------|
| July – 21 | 37.117  | 25.481    | 11.636     | 31.350% |
| Aug – 21  | 36.578  | 25.206    | 11.372     | 31.090% |
| Sept – 21 | 31.800  | 22.717    | 9.083      | 28.563% |
| Oct – 21  | 35.625  | 24.518    | 11.107     | 31.177% |
| Nov – 21  | 33.282  | 22.731    | 10.551     | 31.702% |
| Dec – 21  | 55.861  | 35.261    | 20.600     | 36.877% |
| Jan – 22  | 40.807  | 26.530    | 14.277     | 34.987% |
| Feb – 22  | 31.191  | 21.369    | 9.822      | 31.490% |
| Mar – 22  | 34.430  | 23.496    | 10.934     | 31.757% |
| Total     | 336.691 | 227.309   | 109.382    | 32.487% |

# STAFF REPORT

To: Board of Directors

From: Barbara Buikema, General Manager

Date: May 26, 2022

NASTEWATER DISTRICT

Subject: Reclamation Management Committee (RMC) Meeting 05-10-22

# RECOMMENDATION

No action is required; this report is informational only.

# DISCUSSION

- The RMC accepted the Carmel Area Wastewater District (CAWD)/Pebble Beach Community Service District (PBCSD) Reclamation Project 2022-23 Budget and recommended that it go before the CAWD Board for approval. This budget reflects the inflationary pressures and supply line difficulties we are experiencing at this time.
- Mr. Grover reviewed the financial statements indicating the project was in good financial standing as it moves into the spring/summer irrigation season.
- Mr. Waggoner reviewed the maintenance and water recovery efforts at the plant and is working with Trussell Engineering to maximize water production and maximize the life span of the membranes. Historically membranes have lasted only 1.5 years, we now have two cells that were initiated in late 2018 and one in September 2021.
- Mr. Treanor provided an update on the Sulfuric Acid Tank Project. The original subcontractor has been replaced and it appears the project is on track.
- The treatment facility ran out of ammonia on May 9<sup>th</sup>, which forced the District to discharge approximately 80K gallons to the bay. In an effort to mitigate a repeat of this type of issue, the RMC approved the replacement of the ammonia tank on an emergency basis.

- Mr. Becker, District Engineer of PBCSD gave a review of activities in the Distribution System including the 90% design submittal for the pipeline cathodic protection system. He reviewed the capital budget to date and indicated the variance was an increase of \$35K.
- Forest Lake Reservoir is at 94% of 115 million gallons (MG) of the permitted maximum capacity or 108 MG. Storage volume at Forest Lake Reservoir first reached maximum capacity on January 21<sup>st</sup> and remained at or near maximum capacity throughout February and into March. The onset of the irrigation season was observed to commence on April 25<sup>th</sup>.

# Other Items

Action Required- Requesting Motion to Accept the Reports

# **STAFF REPORT**

To: Board of Directors

From: Barbara Buikema, General Manager

Date: May 26, 2022

Subject: Summary of Monterey County Treasurer Report dated 03-31-22

### RECOMMENDATION

Action required – requesting acceptance of report.

### DISCUSSION

The U.S. economy during this period was characterized by the following factors: a strong labor market, inflation at a 40-year high, and depressed consumer confidence. The Russian invasion of Ukraine also impacted the economic landscape by causing commodity prices to soar (particularly those of energy), creating significant geopolitical uncertainty, and triggering market volatility.

The Federal Reserve tightened monetary policy by initiating the first of what is expected to be many interest rate increases in 2022. The Federal Reserve's balance sheet reduction is also likely to begin soon.

On March 31, 2022, the Monterey County investment portfolio contained an amortized book value of \$2,425,854,604 spread among 241 separate securities and funds. The par value of those funds was \$2,419,914,130 with a market value of \$2,371,225,548 or 98% of amortized book value. The portfolio's net earned income yield for the period was 0.40% The portfolio produced an estimated quarterly income of \$2,375,763 that will be distributed proportionally to all agencies participating in the investment pool. The investment portfolio had a weighted average maturity of 505 days. The County Treasury continues to use shorter term debt to provide portfolio liquidity and enhanced investment opportunities.



|              | PORTFOLIC          | CHARACTERISTICS    |                 |
|--------------|--------------------|--------------------|-----------------|
|              | 09-30-21           | 12-31-21           | 03-31-22        |
| Total Assets | \$2,129,066,305.90 | \$2,473,716,071.02 | \$2,419,914,130 |
| Market Value | \$2,140,839,223.96 | \$2,471,600,788.14 | \$2,371,225,548 |
| Days to      | 571                | 503                | 505             |
| Maturity     |                    |                    |                 |
| Yield        | 0.57%              | 0.42%              | 0.40%           |
| Estimated    | \$2,945,448.07     | \$2,371,429.71     | \$2,375,762.59  |
| Earnings     |                    |                    |                 |

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

| PORTFOLIO ASSE          | Г COMPOSITION 03-31-22 |  |  |  |  |  |
|-------------------------|------------------------|--|--|--|--|--|
| Corporate Notes         | 10.5%                  |  |  |  |  |  |
| Overnight Liquid Assets | 18.8%                  |  |  |  |  |  |
| US Treasuries           | 41.8%                  |  |  |  |  |  |
| Federal Agencies        | 15.1%                  |  |  |  |  |  |
| Commercial Paper        | 8.3%                   |  |  |  |  |  |
| Negotiable CDs          | 3.2%                   |  |  |  |  |  |
| Supranationals          | 2.4%                   |  |  |  |  |  |
| Municipal Bonds         | <0.1%                  |  |  |  |  |  |
| Asset Backed Securities | <0.1%                  |  |  |  |  |  |

Future Strategy: Given the volatile market environment related to the COVID-19 pandemic, the Treasury continues strategically investing matured assets while accounting for potential liquidity needs. As market conditions evolve, the portfolio is well positioned for interest rate increases and will continue to be actively managed under the established tenets of safety and liquidity while seeking to maximize the total rate of return.

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

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

# CARMEL AREA WASTEWATER DISTRICT SUMMARY OF RETIREMENT PENSION PLAN TRUSTEES MEETING HELD – May 17, 2022

A meeting of the Retirement Pension Plan Trustees was held on Tuesday, May 17, 2022 at 2:30 p.m.

| Those Present Included:  | Rob Wellington, Legal Counsel, Trustee    |
|--------------------------|---|
|                          | Robert Siegfried, Director, Trustee       |
|                          | Barbara Buikema, General Manager, Trustee |
|                          | Bill Hastie, Hastie Financial Group       |
|                          | Haley Hitchman, Hastie Financial Group    |
| Note: This meeting was h | eld via ZOOM software                     |
| Action required: Request | ting Acceptance of Report                 |

# I. 1st Quarter 2022 Review

After a relatively calm 2021, volatility in the global equity markets returned in the first quarter of 2022. This volatility was brought on by inflation that surged to a 40-year high, the Federal Reserve stated intent to raise interest rates faster than previously thought, and Russia's full-scale military invasion of Ukraine. These factors fueled a rise in volatility and pushed stocks lower in the first quarter of 2022.

All four major U.S. equity indices posted negative returns for the first quarter of 2022, although the S&P 500 and Dow saw only mild losses compared to the NASDAQ and Russell 2000 (small capitalization stocks). Investors rotated out of growth-oriented, technology stocks in favor of less expensive value stocks, such as financials and energy stocks. Accordingly, value stocks dramatically outperformed growth stocks over the previous three months.

In the face of rising inflation and the Federal Reserve consistently signaling that it was going to raise interest rates faster than investors had previously expected, the U.S. bond market posted one of its worst quarterly performances in many years. As expected, shorter-duration bonds outperformed longer-duration bonds (duration is a measure of a bond's sensitivity to changes in interest rates) as rising inflation weighed heavily on the longer-duration issues.

Investment-grade corporate bonds posted negative returns and underperformed lower-quality but higher-yielding (junk bonds) corporate bonds, which also declined in value but more modestly so. This underperformance of investment-grade bonds reflected the impact of rising Treasury yields, while the outperformance of high-yield bonds serves as a reminder of the still-positive outlook for the U.S. economy and corporate America, despite the macroeconomic headwinds of inflation, geopolitical unrest, and rising interest rates.

1st quarter was especially challenging given the "risk-on, risk-off" theme of the U.S. stock and bond markets, vacillating from "buy on the dip" and "sell into the rally." Day-to-day performance varied widely often with the news headlines of the day.

As of 03-31-22 the total weighted return for the quarter was <5.30%>. The Ending Balance with accrued interest was \$6,406,527. Total Gains for the quarter were <\$366,633>.

# II. 2nd Quarter Action Plan

Investors continue to face uncertainty entering the second quarter of 2022. There is anticipation of continued volatility across most asset classes in the short term. Note that the U.S. economy is very strong, and unemployment remains historically low. Interest rates are rising but remain far below levels where most economists forecast that they would begin to slow the economy. And consumer spending, one of the main engines of growth for the U.S. economy, is robust, and corporate and personal balance sheets are healthy.

Hastie Financial has recommended multiple changes for the 2<sup>nd</sup> quarter including purging growth stocks, focusing on value, and use of alternatives that will not be tied to the markets. Inflation in the energy sector is an opportunity, as well as in the financial and industrial sectors. Hastie recommends a well-diversified portfolio remains the best path forward.

|               | Three |         | Five  |         | Ten    |         |
|---------------|-------|---------|-------|---------|--------|---------|
|               | Year  | S&P 500 | Year  | S&P 500 | Year   | S&P 500 |
| Beta (a)      | 0.60  |         | 0.59  |         | 0.60   |         |
| Standard      | 11.69 | 17.76   | 10.00 | 15.78   | 8.52   | 13.24   |
| Deviation (b) |       |         |       |         |        |         |
| Mean          | 12.98 | 18.92   | 10.02 | 15.99   | 8.21   | 14.64   |
| Alpha         | 1.20  |         | 0.12  |         | <0.72> |         |

# Portfolio Risk Measures (3-year measure):

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

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

### III. Section 115

The Section 115 account balance as of end of 1st quarter was:Strategy 1\$245,372.99Strategy 2\$242,533.99

This represents a combined loss of \$12,093 or 2.4% since account inception. The losses experienced were lower than those in the Strategic Asset Management Plan.

There being no further business, the meeting was adjourned at approximately 3:20 p.m.

Respectfully submitted, Barbara Buikema, General Manager

Legistar File ID No. 22-340 Agenda Item No. 57



# Monterey County Board of Supervisors

# **Board Order**

168 West Alisal Street, 1st Floor Salinas, CA 93901 831.755.5066 www.co.monterey.ca.us

A motion was made by Supervisor Chris Lopez, seconded by Supervisor Luis A. Alejo to:

Receive and Accept the Treasurer's Report of Investments for the Quarter Ending March 31, 2022.

PASSED AND ADOPTED on this 26<sup>th</sup> day of April 2022, by roll call vote:

AYES: Supervisors Alejo, Phillips, Lopez, Askew and Adams NOES: None ABSENT: None (Government Code 54953)

I, Valerie Ralph, Clerk of the Board of Supervisors of the County of Monterey, State of California, hereby certify that the foregoing is a true copy of an original order of said Board of Supervisors duly made and entered in the minutes thereof of Minute Book 82 for the meeting April 26, 2022.

Dated: May 3, 2022 File ID: 22-340 Agenda Item No.: 57 Valerie Ralph, Clerk of the Board of Supervisors County of Monterey, State of California

ann Julian Lorenzana, Dep



# **Monterey County**

**Board Report** 

Legistar File Number: 22-340

Item No.

Board of Supervisors Chambers 168 W. Alisal St., 1st Floor Salinas, CA 93901

April 26, 2022

Introduced: 4/13/2022

Version: 1

Current Status: Draft Matter Type: General Agenda Item

Receive and Accept the Treasurer's Report of Investments for the Quarter Ending March 31, 2022.

#### **RECOMMENDATION:**

It is recommended that the Board of Supervisors:

Receive and Accept the Treasurer's Report of Investments for the Quarter Ending March 31, 2022.

#### SUMMARY:

Government Code Section 53646 (b) (1) states the Treasurer may submit a quarterly report of investments. The attached exhibits provide a narrative portfolio review of economic and market conditions that support the investment activity during the January - March period, the investment portfolio position by investment type, and the investment portfolio by maturity range.

#### DISCUSSION:

The U.S. economy during this period was characterized by the following factors: a strong labor market, inflation at a 40-year high, and depressed consumer confidence. The Russian invasion of Ukraine also impacted the economic landscape by causing commodity prices to soar (particularly those of energy), creating significant geopolitical uncertainty, and triggering market volatility.

The Federal Reserve tightened monetary policy by initiating the first of what is expected to be many interest rate increases in 2022. The Federal Reserve's balance sheet reduction is also likely to begin soon.

On March 31, 2022, the Monterey County investment portfolio contained an amortized book value of \$2,425,854,604 spread among 241 separate securities and funds. The par value of those funds was \$2,419,914,130 with a market value of \$2,371,225,548 or 98% of amortized book value. The portfolio's net earned income yield for the period was 0.40%. The portfolio produced an estimated quarterly income of \$2,375,763 that will be distributed proportionally to all agencies participating in the investment pool. The investment portfolio had a weighted average maturity of 505 days. The County Treasury continues to use shorter term debt to provide portfolio liquidity and enhanced investment opportunities.

The investment portfolio follows all applicable provisions of state law and the adopted Investment Policy and contains sufficient liquidity to meet all projected outflows over the next six months. Market value pricings were obtained through resources such as Bloomberg LLP, US Bank, and live-bid Legistar File Number: 22-340

pricing of corporate securities.

#### **OTHER AGENCY INVOLVEMENT:**

A copy of this report will be distributed to all agencies participating in the investment pool. The Treasury Quarterly Reports are also posted on the County Treasurer's website. A monthly report of investment transactions is provided to the Board of Supervisors as required by Government Code 53607.

FINANCING:

The investment portfolio contains sufficient liquidity to meet all projected expenditures over the next six months. Investment earnings in the General Fund appear to be trending somewhat below the CAO's FY 2021-22 budget due to significantly lower yields on investments purchased during the COVID-19 Pandemic.

#### BOARD OF SUPERVISORS STRATEGIC INITIATIVES:

This recommendation supports the Administration initiative by providing transparency and accountability in the management of County funds in the Treasurer's investment portfolio.

Mark a check to the related Board of Supervisors Strategic Initiatives  $\underline{X}$ Administration

-Docusigned by: Jake Stroud

4/14/2022 | 12:11 PM PDT

90E7E050754D4De.... Prepared by Jake Stroud, Chief Deputy Treasurer-Tax Collector, x5828

— DocuSigned by: Mary A. Euch — 16066971D0D0492...

4/14/2022 | 1:25 PM PDT

Approved by Mary A. Zeeb, Treasurer-Tax Collector, x5015

Attachments: Exhibit A - Investment Portfolio Review 03.31.22 Exhibit B - Portfolio Management Report 03.31.22 Exhibit C - Aging Summary 04.01.22

cc: Auditor-Controller - Internal Audit Section All depositors County Administrative Office County Counsel

# **Exhibit** A **Investment Portfolio Review Quarter Ending March 31, 2022**

#### **OVERVIEW**

#### January 1, 2022 – March 31, 2022

The U.S. economy during this period was characterized by the following factors: a strong labor market, inflation at a 40-year high, and depressed consumer confidence. The Russian invasion of Ukraine also impacted the economic landscape by causing commodity prices to soar (particularly those of energy), creating significant geopolitical uncertainty, and triggering market volatility.

The Federal Reserve tightened monetary policy by initiating the first of what is expected to be many interest rate increases in 2022. The Federal Reserve's balance sheet reduction is also likely to begin soon.

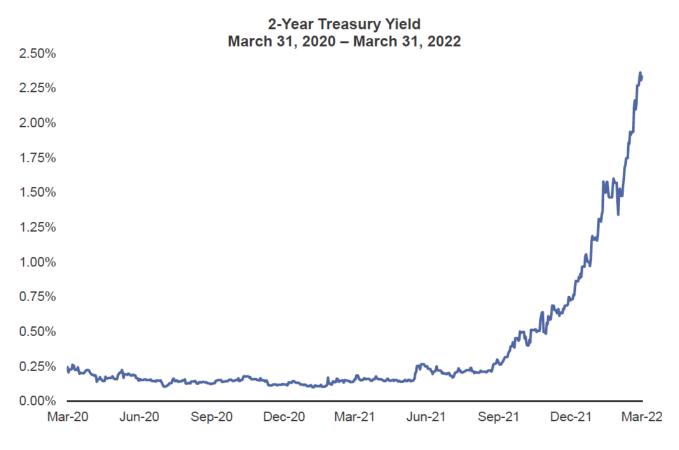
#### U.S. TREASURY YIELD CURVE

- The U.S. Treasury yield curve was significantly steeper from quarter end to quarter end. •
- The yield curve was partially inverted at quarter end, as the yield on the 3-year Treasury note • ended the quarter above longer-term rates.

|         | 03/31/22 | 12/31/21 | Change |
|---------|----------|----------|--------|
| 3-month | 0.48%    | 0.03%    | +0.45% |
| 1-year  | 1.60%    | 0.38%    | +1.22% |
| 2-year  | 2.33%    | 0.73%    | +1.60% |
| 3-year  | 2.51%    | 0.96%    | +1.55% |
| 5-year  | 2.46%    | 1.26%    | +1.20% |
| 10-year | 2.34%    | 1.51%    | +0.83% |
| 30-year | 2.45%    | 1.90%    | +0.55% |



#### **U.S. Treasury Yield Curve**



• The 2-year Treasury yield increased significantly during the quarter.

# **PORTFOLIO STRATEGY**

Monterey County Treasury investments continue to focus on capturing relative value while remaining cautious. The following indicators reflect key aspects of the investment portfolio in light of the above noted conditions:

- 1. <u>Market Access</u> During the quarter, investment purchases for the portfolio included Corporate Notes, U.S. Treasury Notes, Commercial Paper, and Negotiable CDs. The Treasurer continues to maintain an adequate level of liquid assets to ensure the ability to meet all cash flow needs.
- 2. <u>Diversification</u> The Monterey County Treasurer's portfolio consists of 241 separate fixed income investments, all of which are authorized by the State of California Government Code 53601 and the Investment Policy.

| Portfolio Asset Composition |                   |                            |                    |                     |                     |                     |                    |                            |  |  |  |
|-----------------------------|-------------------|----------------------------|--------------------|---------------------|---------------------|---------------------|--------------------|----------------------------|--|--|--|
| Corporate<br>Notes          | Negotiable<br>CDs | Overnight<br>Liquid Assets | U.S.<br>Treasuries | Federal<br>Agencies | Commercial<br>Paper | Supra-<br>nationals | Municipal<br>Bonds | Asset Backed<br>Securities |  |  |  |
| 10.5%                       | 3.2%              | 18.8%                      | 41.8%              | 15.1%               | 8.3%                | 2.4%                | <0.1%              | <0.1%                      |  |  |  |

The portfolio asset spread is detailed in the table below:

Total may not equal 100% due to rounding

3. <u>Credit Risk</u> – Approximately 87.2% of the investment portfolio is comprised of U.S. Treasuries, Federal Agency securities, Negotiable CDs, and other liquid funds. All assets have a better than investment grade rating. U.S. Treasuries are not specifically rated, but are considered the safest of all investments. All corporate debt (10.5%) is rated in the higher levels of investment grade and all Federal Agency and Municipal holdings are rated AA- or higher. The Supranationals (2.4%) are rated AAA. The credit quality of the Treasurer's portfolio continues to be high.

The portfolio credit composition is detailed in the table below:

|     |      | Portfolio Credit Composition |   |                        |                    |    |    |                                      |  |  |  |  |
|-----|------|------------------------------|---|------------------------|--------------------|----|----|--------------------------------------|--|--|--|--|
| AAA | AAAm | AA                           | A | A-1<br>(Short<br>Term) | Short Aaf/S1+ BBB+ |    |    | LAIF Not Rated<br>(not rated) by S&P |  |  |  |  |
| 2%  | 12%  | 12% 59% 7% 11% 4%            |   |                        |                    | 2% | 3% | <1%                                  |  |  |  |  |

Total may not equal 100% due to rounding

4. <u>Liquidity Risk</u> – Liquidity risk, as measured by the ability of the County Treasury to meet withdrawal demands on invested assets, was actively managed during the January – March quarter. The portfolio's weighted average maturity was 505 days, and the Treasurer maintained \$444.7 million (19%) invested in overnight investments and \$497.2 million (21%) in securities with maturities of one day to one year to provide immediate liquidity to be able to react quickly to unanticipated needs or opportunities in the current environment.

# PORTFOLIO CHARACTERISTICS

|                    | December 31, 2021 | March 31, 2022  |
|--------------------|-------------------|-----------------|
| Total Assets       | \$2,473,716,071   | \$2,419,914,130 |
| Market Value       | \$2,471,600,788   | \$2,371,225,548 |
| Days to Maturity   | 503               | 505             |
| Yield              | 0.42%             | 0.40%           |
| Estimated Earnings | \$2,371,429.71    | \$2,375,762.59  |

Given the evolving market environment related to the COVID-19 Pandemic, the Treasury continues strategically investing matured assets while accounting for potential liquidity needs. As market conditions evolve, the portfolio will continue to be actively managed under the established tenets of safety and liquidity while seeking to maximize the total rate of return.

# Monterey County Portfolio Management Portfolio Details - Investments March 31, 2022

| CUSIP          | Investment      | # Issuer             | Average<br>Balance | Purchase<br>Date | Par Value      | Market Value   | Book Value     | Stated<br>Rate M | oody's | S&P  | YTM   | Maturity<br>Date |
|----------------|-----------------|----------------------|--------------------|------------------|----------------|----------------|----------------|------------------|--------|------|-------|------------------|
| Money Market   | Accts - GC 5360 | 1(k)(2)              |                    |                  |                |                |                |                  |        |      |       |                  |
| SYS12159       | 12159           | DREYFUS AMT FRE      | E TAX EXEMPT MM    |                  | 9,230,253.13   | 9,230,253.13   | 9,230,253.13   | 0.150            |        |      | 0.150 |                  |
|                | \$              | Subtotal and Average | 9,230,150.87       | —                | 9,230,253.13   | 9,230,253.13   | 9,230,253.13   | _                |        |      | 0.150 |                  |
| State Pool - G | C 16429.1       |                      |                    |                  |                |                |                |                  |        |      |       |                  |
| SYS11361       | 11361           | LAIF                 |                    |                  | 75,000,000.00  | 75,000,000.00  | 75,000,000.00  | 0.320            |        |      | 0.320 |                  |
|                | \$              | Subtotal and Average | 75,000,000.00      | _                | 75,000,000.00  | 75,000,000.00  | 75,000,000.00  | _                |        |      | 0.320 |                  |
| CALTRUST/CA    | MP - GC 53601(  | p)                   |                    |                  |                |                |                |                  |        |      |       |                  |
| SYS12211       | 12211           | CalTrust Liquidity   |                    |                  | 20,350,000.00  | 20,350,000.00  | 20,350,000.00  | 0.091            |        |      | 0.091 |                  |
| SYS11802       | 11802           | CalTrust Blackrock   |                    |                  | 0.00           | 0.00           | 0.00           | 0.025            | Aaa    | AAA  | 0.025 |                  |
| SYS12296       | 11803           | CalTrust (LEAF)      |                    |                  | 20,000,000.00  | 20,000,000.00  | 20,000,000.00  | 0.106            |        |      | 0.106 |                  |
| SYS12219       | 12219           | CalTrust MERMA       |                    |                  | 331,369.53     | 331,369.53     | 331,369.53     | 0.091            |        |      | 0.091 |                  |
| SYS11801       | 11801           | CalTrust Short Term  |                    |                  | 50,000,000.00  | 50,000,000.00  | 50,000,000.00  | 0.316            | Aaa    | AAA  | 0.316 |                  |
| SYS10379       | 10379           | Calif. Asset Mgmt    |                    | _                | 269,800,000.00 | 269,800,000.00 | 269,800,000.00 | 0.252            |        | AAA  | 0.252 |                  |
|                | \$              | Subtotal and Average | 431,867,250.15     |                  | 360,481,369.53 | 360,481,369.53 | 360,481,369.53 |                  |        |      | 0.244 |                  |
| SWEEP ACCO     | UNT-MORG STN    | ILY                  |                    |                  |                |                |                |                  |        |      |       |                  |
| SYS12041       | 12041           | Morgan Stanley       |                    |                  | 1.00           | 1.00           | 1.00           | 0.250            |        |      | 0.250 |                  |
|                | 5               | Subtotal and Average | 1.00               | _                | 1.00           | 1.00           | 1.00           | _                |        |      | 0.250 |                  |
| SWEEP ACCO     | UNT - CUSTOM    |                      |                    |                  |                |                |                |                  |        |      |       |                  |
| SYS12138       | 12138           | Morgan Stanley       |                    |                  | 22,506.35      | 22,506.35      | 22,506.35      | 0.064            |        |      | 0.064 |                  |
|                | \$              | Subtotal and Average | 143,548.65         |                  | 22,506.35      | 22,506.35      | 22,506.35      |                  |        |      | 0.064 |                  |
| Medium Term N  | Notes - GC 5360 | 01(k)                |                    |                  |                |                |                |                  |        |      |       |                  |
| 88579YBH3      | 12359           | MMM COMPANY          |                    | 02/24/2020       | 130,000.00     | 127,224.50     | 130,621.94     | 2.000            | A1     | A+   | 1.825 | 02/14/2025       |
| 02079KAB3      | 12397           | Alphabet INC         |                    | 08/17/2020       | 5,000,000.00   | 5,104,500.00   | 5,277,160.25   | 3.375            | Aa2    | AA+  | 0.432 | 02/25/2024       |
| 023135AW6      | 12317           | Amazon               |                    | 09/03/2019       | 200,000.00     | 201,276.00     | 201,068.63     | 2.400            | A1     | AA   | 1.936 | 02/22/2023       |
| 023135BP0      | 12375           | Amazon               |                    | 06/03/2020       | 5,415,000.00   | 5,326,356.45   | 5,412,037.79   | 0.400            | A1     | AA   | 0.447 | 06/03/2023       |
| 023135BW5      | 12501           | Amazon               |                    | 05/12/2021       | 5,680,000.00   | 5,467,568.00   | 5,674,156.65   | 0.450            | A1     | AA   | 0.499 | 05/12/2024       |
| 023135BW5      | 12502           | Amazon               |                    | 05/12/2021       | 75,000.00      | 72,195.00      | 74,922.84      | 0.450            | A1     | AA   | 0.499 | 05/12/2024       |
| 025816CM9      | 12544           | American Express Cr  | edit               | 11/23/2021       | 135,000.00     | 127,245.60     | 134,792.01     | 1.650            | A2     | BBB+ | 1.685 | 11/04/2026       |
| 037833DV9      | 12383           | Apple Inc Corp Notes |                    | 06/30/2020       | 5,000,000.00   | 4,935,700.00   | 5,019,262.85   | 0.750            | Aa1    | AA+  | 0.401 | 05/11/2023       |
| 037833AS9      | 12445           | Apple Inc Corp Notes |                    | 12/11/2020       | 5,000,000.00   | 5,107,550.00   | 5,303,694.90   | 3.450            | Aa1    | AA+  | 0.524 | 05/06/2024       |
| 037833DM9      | 12568           | Apple Inc Corp Notes |                    | 02/24/2022       | 4,130,000.00   | 4,072,303.90   | 4,120,369.04   | 1.800            | Aaa    | AA+  | 1.898 | 09/11/2024       |

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## Monterey County Portfolio Management Portfolio Details - Investments March 31, 2022

|                |                    |                              | Average | Purchase   |               |              |              | Stated |        |      | YTN   | Maturity   |
|----------------|--------------------|------------------------------|---------|------------|---------------|--------------|--------------|--------|--------|------|-------|------------|
| CUSIP          | Investment #       | lssuer                       | Balance | Date       | Par Value     | Market Value | Book Value   | Rate M | oody's | S&P  |       | Date       |
| Medium Term No | otes - GC 53601(k) | )                            |         |            |               |              |              |        |        |      |       |            |
| 04636NAA1      | 12526              | Astrazeneca Finance LLC      |         | 07/23/2021 | 135,000.00    | 125,161.20   | 135,530.43   | 1.200  | A3     | A-   | 1.101 | 05/28/2026 |
| 06406FAD5      | 12371              | Bank of New York Mellon Corp |         | 05/21/2020 | 125,000.00    | 124,831.25   | 127,033.11   | 2.200  | A1     | А    | 0.932 | 08/16/2023 |
| 06406HCX5      | 12417              | Bank of New York Mellon Corp |         | 09/30/2020 | 5,000,000.00  | 5,054,500.00 | 5,306,575.65 | 3.250  | A1     | А    | 0.702 | 09/11/2024 |
| 06406RAN7      | 12478              | Bank of New York Mellon Corp |         | 03/31/2021 | 4,000,000.00  | 3,855,760.00 | 4,059,982.69 | 1.600  | A1     | А    | 1.088 | 04/24/2025 |
| 06406RAS6      | 12493              | Bank of New York Mellon Corp |         | 04/26/2021 | 50,000.00     | 47,869.00    | 49,963.09    | 0.500  | A1     | А    | 0.536 | 04/26/2024 |
| 06406RAN7      | 12554              | Bank of New York Mellon Corp |         | 01/07/2022 | 5,000,000.00  | 4,819,700.00 | 5,034,939.17 | 1.600  | A1     | А    | 1.360 | 04/24/2025 |
| 06051GJH3      | 12436              | Bank of America Corp         |         | 11/20/2020 | 4,400,000.00  | 4,257,044.00 | 4,407,726.05 | 0.810  | A2     | A-   | 0.740 | 10/24/2024 |
| 06051GHW2      | 12479              | Bank of America Corp         |         | 03/31/2021 | 5,000,000.00  | 4,913,000.00 | 5,187,817.55 | 2.456  | A2     | A-   | 1.074 | 10/22/2025 |
| 06051GJH3      | 12490              | Bank of America Corp         |         | 04/19/2021 | 5,000,000.00  | 4,837,550.00 | 5,002,809.13 | 0.810  | A2     | A-   | 0.779 | 10/24/2024 |
| 06051GFX2      | 12562              | Bank of America Corp         |         | 02/03/2022 | 90,000.00     | 91,115.10    | 94,725.13    | 3.500  | A2     | A-   | 2.137 | 04/19/2026 |
| 06051GKM0      | 12579              | Bank of America Corp         |         | 03/22/2022 | 100,000.00    | 99,865.00    | 100,000.00   | 3.384  | A2     | A-   | 3.384 | 04/02/2026 |
| 110122DT2      | 12432              | BRISTOL-MYERS SQUIBB         |         | 11/13/2020 | 80,000.00     | 77,769.60    | 80,000.00    | 0.537  | A2     | A+   | 0.537 | 11/13/2023 |
| 110122DT2      | 12439              | BRISTOL-MYERS SQUIBB         |         | 11/20/2020 | 5,000,000.00  | 4,860,600.00 | 5,002,576.42 | 0.537  | A2     | A+   | 0.505 | 11/13/2023 |
| 110122CM8      | 12444              | BRISTOL-MYERS SQUIBB         |         | 12/11/2020 | 5,000,000.00  | 5,037,100.00 | 5,255,010.92 | 2.900  | A2     | A+   | 0.621 | 07/26/2024 |
| 084664BT7      | 12291              | Berkshire Hathaway Finance   |         | 04/26/2019 | 8,625,000.00  | 8,645,268.75 | 8,629,948.35 | 3.000  | Aa2    | AA   | 2.509 | 05/15/2022 |
| 14913R2D8      | 12481              | CATERPILLAR FINL SERVC       |         | 03/31/2021 | 5,000,000.00  | 4,902,150.00 | 5,017,016.18 | 0.650  | A2     | А    | 0.380 | 07/07/2023 |
| 14913R2L0      | 12506              | CATERPILLAR FINL SERVC       |         | 05/17/2021 | 10,000,000.00 | 9,565,300.00 | 9,990,495.93 | 0.450  | A2     | А    | 0.495 | 05/17/2024 |
| 14913R2P1      | 12530              | CATERPILLAR FINL SERVC       |         | 09/14/2021 | 135,000.00    | 128,652.30   | 134,849.92   | 0.600  | A2     | А    | 0.645 | 09/13/2024 |
| 16764BV1       | 12368              | Chevron Corp. Global         |         | 05/11/2020 | 75,000.00     | 75,000.00    | 75,000.00    | 1.141  |        |      | 1.141 | 05/11/2023 |
| 166764BT6      | 12404              | Chevron Corp. Global         |         | 09/17/2020 | 5,000,000.00  | 5,057,150.00 | 5,216,763.72 | 2.895  | Aa2    | AA-  | 0.503 | 03/03/2024 |
| 808513BN4      | 12474              | CHARLES SCHWAB CORP          |         | 03/18/2021 | 25,000.00     | 24,168.75    | 24,991.82    | 0.750  | A2     | А    | 0.767 | 03/18/2024 |
| 172967GL9      | 12308              | Citibank                     |         | 07/12/2019 | 250,000.00    | 252,907.50   | 251,852.94   | 3.375  | A3     | BBB+ | 2.523 | 03/01/2023 |
| 172967MR9      | 12406              | Citibank                     |         | 09/17/2020 | 5,000,000.00  | 4,958,950.00 | 5,073,733.54 | 1.678  | A3     | BBB+ | 0.711 | 05/15/2024 |
| 172967MX6      | 12536              | Citibank                     |         | 10/07/2021 | 4,500,000.00  | 4,289,760.00 | 4,513,382.24 | 0.981  | A3     | BBB+ | 0.845 | 05/01/2025 |
| 172967ND9      | 12539              | Citibank                     |         | 11/08/2021 | 3,840,000.00  | 3,654,182.40 | 3,861,262.63 | 1.281  | A3     | BBB+ | 1.071 | 11/03/2025 |
| 191216CL2      | 12403              | Coca- Cola Co                |         | 09/16/2020 | 5,000,000.00  | 4,948,650.00 | 5,155,419.58 | 1.750  | A1     | A+   | 0.458 | 09/06/2024 |
| 20030NCR0      | 12414              | COMCAST CORP                 |         | 09/30/2020 | 5,000,000.00  | 5,104,200.00 | 5,301,199.06 | 3.700  | A3     | A-   | 0.703 | 04/15/2024 |
| 254687FK7      | 12319              | The Walt Disney Company      |         | 09/06/2019 | 240,000.00    | 235,680.00   | 239,605.92   | 1.750  | A2     | BBB+ | 1.851 | 08/30/2024 |
| 291011BG8      | 12415              | EMERSON ELECTRIC CO          |         | 09/30/2020 | 80,000.00     | 80,732.80    | 85,704.75    | 3.150  | A2     | А    | 0.848 | 06/01/2025 |
| 38141GXS8      | 12462              | Goldman Sachs                |         | 02/17/2021 | 60,000.00     | 55,897.20    | 60,109.27    | 0.855  | A2     | BBB+ | 0.807 | 02/12/2026 |
| 38141GYE8      | 12515              | Goldman Sachs                |         | 06/22/2021 | 10,000,000.00 | 9,671,800.00 | 9,985,198.19 | 0.657  | A2     | BBB+ | 0.746 | 09/10/2024 |
| 38141GXZ2      | 12555              | Goldman Sachs                |         | 01/07/2022 | 5,000,000.00  | 4,893,800.00 | 4,985,854.74 | 0.673  | A2     | BBB+ | 0.946 | 03/08/2024 |
| 38141GZH0      | 12560              | Goldman Sachs                |         | 01/24/2022 | 130,000.00    | 126,737.00   | 130,000.00   | 1.757  | A2     | BBB+ |       | 01/24/2025 |
| 437076CM2      | 12581              | Home Depot Inc               |         | 03/28/2022 | 20,000.00     | 19,932.00    | 19,965.10    | 2.700  | N/A    | А    |       | 04/15/2025 |
| 438516BW5      | 12370              | Honeywell International      |         | 05/20/2020 | 100,000.00    | 99,716.00    | 102,965.76   | 2.300  | A2     | A    |       | 08/15/2024 |
| 438516CB0      | 12571              | Honeywell International      |         | 02/25/2022 | 5,000,000.00  | 4,816,200.00 | 4,868,696.43 | 1.350  | A2     | A    |       | 06/01/2025 |

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## Monterey County Portfolio Management Portfolio Details - Investments March 31, 2022

|               |                   |                          | Average | Purchase   |               |              |              | Stated  |       |      | YTM   | Maturity   |
|---------------|-------------------|--------------------------|---------|------------|---------------|--------------|--------------|---------|-------|------|-------|------------|
| CUSIP         | Investment #      | lssuer                   | Balance | Date       | Par Value     | Market Value | Book Value   | Rate Mo | ody's | S&P  |       | Date       |
| Medium Term N | otes - GC 53601(k | )                        |         |            |               |              |              |         |       |      |       |            |
| 438516CB0     | 12574             | Honeywell International  |         | 03/01/2022 | 65,000.00     | 62,610.60    | 63,253.90    | 1.350   | A2    | А    | 2.234 | 06/01/2025 |
| 02665WCZ2     | 12318             | American Honda Finance   |         | 09/03/2019 | 200,000.00    | 198,594.00   | 201,608.28   | 2.400   | A3    | A-   | 2.021 | 06/27/2024 |
| 02665WDF5     | 12333             | American Honda Finance   |         | 11/27/2019 | 5,000,000.00  | 5,003,100.00 | 4,999,986.28 | 1.950   | A3    | A-   | 1.952 | 05/20/2022 |
| 459200JZ5     | 12527             | IBM Corp Notes           |         | 07/23/2021 | 120,000.00    | 121,256.40   | 130,600.49   | 3.300   | A3    | A-   | 1.094 | 05/15/2026 |
| 24422EUA5     | 12180             | John Deere Capital Corp  |         | 03/12/2018 | 250,000.00    | 252,252.50   | 249,105.14   | 2.700   | A2    | А    | 3.209 | 01/06/2023 |
| 24422EVH9     | 12374             | John Deere Capital Corp  |         | 06/04/2020 | 3,340,000.00  | 3,278,711.00 | 3,338,880.81 | 0.700   | A2    | А    | 0.726 | 07/05/2023 |
| 24422EVH9     | 12382             | John Deere Capital Corp  |         | 06/30/2020 | 5,000,000.00  | 4,908,250.00 | 5,009,184.61 | 0.700   | A2    | А    | 0.553 | 07/05/2023 |
| 24422EUX5     | 12446             | John Deere Capital Corp  |         | 12/11/2020 | 5,000,000.00  | 5,012,350.00 | 5,198,025.73 | 2.600   | A2    | Α    | 0.531 | 03/07/2024 |
| 24422EWA3     | 12573             | John Deere Capital Corp  |         | 02/28/2022 | 65,000.00     | 61,186.45    | 63,220.00    | 1.700   | A2    | Α    | 2.309 | 01/11/2027 |
| 46647PBZ8     | 12473             | JP Morgan Chase          |         | 03/16/2021 | 65,000.00     | 63,765.00    | 65,000.00    | 0.697   | A2    | A-   | 0.697 | 03/16/2024 |
| 46647PBQ8     | 12482             | JP Morgan Chase          |         | 04/05/2021 | 3,900,000.00  | 3,847,233.00 | 3,954,814.91 | 1.514   | A2    | A-   | 0.557 | 06/01/2024 |
| 46647PCH7     | 12510             | JP Morgan Chase          |         | 06/01/2021 | 165,000.00    | 157,339.05   | 165,000.00   | 0.824   | A2    | A-   | 0.824 | 06/01/2025 |
| 46647PCH7     | 12517             | JP Morgan Chase          |         | 06/22/2021 | 10,000,000.00 | 9,535,700.00 | 9,977,665.96 | 0.824   | A2    | A-   | 0.920 | 06/01/2025 |
| 46625HRV4     | 12545             | JP Morgan Chase          |         | 11/23/2021 | 125,000.00    | 124,032.50   | 131,599.79   | 2.950   | A2    | A-   | 1.830 | 10/01/2026 |
| 46647PCH7     | 12561             | JP Morgan Chase          |         | 01/24/2022 | 10,000,000.00 | 9,535,700.00 | 9,820,452.36 | 0.824   | A2    | A-   | 1.651 | 06/01/2025 |
| 539830BE8     | 12468             | Lockheed Martin Corp     |         | 03/08/2021 | 60,000.00     | 60,362.40    | 63,319.70    | 2.900   | A3    | A-   | 0.840 | 03/01/2025 |
| 539830BH1     | 12528             | Lockheed Martin Corp     |         | 07/23/2021 | 120,000.00    | 122,870.40   | 130,928.58   | 3.550   | A3    | A-   | 0.947 | 01/15/2026 |
| 57636QAB0     | 12282             | MASTERCARD INC           |         | 04/04/2019 | 250,000.00    | 254,455.00   | 253,142.24   | 3.375   | A1    | A+   | 2.699 | 04/01/2024 |
| 58933YAR6     | 12469             | MERCK & CO INC           |         | 03/09/2021 | 125,000.00    | 125,290.00   | 131,083.94   | 2.750   | A1    | A+   | 0.897 | 02/10/2025 |
| 6174468W2     | 12458             | Morgan Stanley           |         | 01/25/2021 | 100,000.00    | 98,373.00    | 100,000.00   | 0.529   | A1    | BBB+ | 0.529 | 01/25/2024 |
| 61772BAA1     | 12491             | Morgan Stanley           |         | 04/22/2021 | 15,000.00     | 14,690.85    | 15,000.00    | 0.731   | A1    | BBB+ | 0.731 | 04/05/2024 |
| 61772BAA1     | 12492             | Morgan Stanley           |         | 04/22/2021 | 50,000.00     | 48,969.50    | 50,039.50    | 0.731   | A1    | BBB+ | 0.671 | 04/05/2024 |
| 6174468R3     | 12516             | Morgan Stanley           |         | 06/22/2021 | 5,000,000.00  | 4,708,450.00 | 4,998,932.65 | 0.864   | A1    | BBB+ | 0.872 | 10/21/2025 |
| 61747YEA9     | 12519             | Morgan Stanley           |         | 06/24/2021 | 10,000,000.00 | 9,500,300.00 | 9,966,537.85 | 0.790   | A1    | BBB+ | 0.934 | 05/30/2025 |
| 66989HAP3     | 12412             | Novartis Capital Corp    |         | 09/22/2020 | 125,000.00    | 121,980.00   | 129,010.06   | 1.750   | A1    | AA-  | 0.594 | 02/14/2025 |
| 641062AU8     | 12529             | Nestle Holdings Inc.     |         | 09/14/2021 | 195,000.00    | 185,154.45   | 195,000.00   | 0.606   | N/A   | AA-  | 0.606 | 09/14/2024 |
| 63743HFC1     | 12564             | National Rural Util Coop |         | 02/07/2022 | 40,000.00     | 38,752.00    | 39,998.86    | 1.875   | A2    | A-   | 1.876 | 02/07/2025 |
| 717081ES8     | 12280             | PFIZER INC               |         | 04/04/2019 | 250,000.00    | 252,772.50   | 251,173.00   | 2.950   | A2    | A+   | 2.692 | 03/15/2024 |
| 717081ES8     | 12402             | PFIZER INC               |         | 09/16/2020 | 5,000,000.00  | 5,055,450.00 | 5,232,979.83 | 2.950   | A2    | A+   | 0.486 | 03/15/2024 |
| 857477BM4     | 12575             | State Street Corp        |         | 03/14/2022 | 125,000.00    | 123,941.25   | 125,744.95   | 2.901   | A1    | А    | 2.742 | 03/30/2026 |
| 857477BE2     | 12576             | State Street Corp        |         | 03/17/2022 | 5,000,000.00  | 4,928,350.00 | 4,947,470.09 | 2.354   | A1    | А    | 2.776 | 11/01/2025 |
| 89236TGT6     | 12358             | Toyota Motor Corporation |         | 02/21/2020 | 130,000.00    | 126,198.80   | 129,840.54   | 1.800   | A1    | A+   | 1.845 | 02/13/2025 |
| 89236THF5     | 12401             | Toyota Motor Corporation |         | 09/16/2020 | 5,000,000.00  | 4,880,000.00 | 5,002,775.48 | 0.500   | A1    | A+   | 0.459 | 08/14/2023 |
| 89236TGT6     | 12485             | Toyota Motor Corporation |         | 04/13/2021 | 5,000,000.00  | 4,853,800.00 | 5,126,793.91 | 1.800   | A1    | A+   | 0.898 | 02/13/2025 |
| 89236TJT3     | 12556             | Toyota Motor Corporation |         | 01/13/2022 | 5,000,000.00  | 4,816,950.00 | 4,997,819.72 | 1.450   | A1    | A+   | 1.466 | 01/13/2025 |
| 89236TJT3     | 12557             | Toyota Motor Corporation |         | 01/13/2022 | 65,000.00     | 62,620.35    | 64,919.19    | 1.450   | A1    | A+   | 1.495 | 01/13/2025 |

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# Monterey County Portfolio Management Portfolio Details - Investments March 31, 2022

|                |                              |                        | Average        | Purchase   |                |                |                | Stated  |        |      | YTM   | Maturity   |
|----------------|------------------------------|------------------------|----------------|------------|----------------|----------------|----------------|---------|--------|------|-------|------------|
| CUSIP          | Investment #                 | # Issuer               | Balance        | Date       | Par Value      | Market Value   | Book Value     | Rate Mo | oody's | S&P  |       | Date       |
| Medium Term N  | lotes - GC 5360 <sup>°</sup> | 1(k)                   |                |            |                |                |                |         |        |      |       |            |
| 87612EBM7      | 12558                        | TARGET CORP            |                | 01/24/2022 | 35,000.00      | 33,800.55      | 34,942.73      | 1.950   | A2     | А    | 1.986 | 01/15/2027 |
| 87612EBM7      | 12559                        | TARGET CORP            |                | 01/24/2022 | 65,000.00      | 62,772.45      | 65,044.42      | 1.950   | A2     | А    | 1.935 | 01/15/2027 |
| 87612EBL9      | 12577                        | TARGET CORP            |                | 03/17/2022 | 5,000,000.00   | 4,928,950.00   | 4,959,715.52   | 2.250   | A2     | А    | 2.527 | 04/15/2025 |
| 904764BG1      | 12369                        | Unilever Capital Corp  |                | 05/20/2020 | 60,000.00      | 60,755.40      | 62,536.76      | 3.250   | A1     | A+   | 0.968 | 03/07/2024 |
| 91324PDM1      | 12398                        | United Health Group I  | nc             | 08/19/2020 | 2,125,000.00   | 2,163,845.00   | 2,240,127.36   | 3.500   | A3     | A+   | 0.573 | 02/15/2024 |
| 91324PEB4      | 12508                        | United Health Group I  | nc             | 05/19/2021 | 5,000,000.00   | 4,789,750.00   | 5,000,106.51   | 0.550   | A3     | A+   | 0.549 | 05/15/2024 |
| 91324PEB4      | 12509                        | United Health Group I  | nc             | 05/19/2021 | 4,455,000.00   | 4,267,667.25   | 4,451,710.26   | 0.550   | A3     | A+   | 0.585 | 05/15/2024 |
| 91159HHX1      | 12313                        | US BANCORP             |                | 08/06/2019 | 200,000.00     | 198,684.00     | 200,569.62     | 2.400   | A2     | A+   | 2.270 | 07/30/2024 |
| 91159HHX1      | 12405                        | US BANCORP             |                | 09/17/2020 | 5,000,000.00   | 4,967,100.00   | 5,211,075.05   | 2.400   | A2     | A+   | 0.525 | 07/30/2024 |
| 92826CAC6      | 12203                        | Visa Inc               |                | 06/07/2018 | 250,000.00     | 251,920.00     | 249,385.77     | 2.800   | A1     | AA-  | 3.178 | 12/14/2022 |
| 931142DP5      | 12447                        | Walmart Inc            |                | 12/11/2020 | 5,000,000.00   | 5,084,150.00   | 5,269,415.61   | 3.300   | Aa2    | AA   | 0.449 | 04/22/2024 |
| 931142EM1      | 12572                        | Walmart Inc            |                | 02/25/2022 | 60,000.00      | 60,675.60      | 62,195.57      | 3.050   | Aa2    | AA   | 2.114 | 07/08/2026 |
|                | s                            | ubtotal and Average    | 252,327,282.90 | _          | 255,020,000.00 | 249,762,500.55 | 258,044,525.84 |         |        |      | 0.965 |            |
| Negotiable CDs | s - GC 53601(i)              |                        |                |            |                |                |                |         |        |      |       |            |
| 22552G6R6      | 12563                        | Credit Suisse          |                | 02/04/2022 | 25,000,000.00  | 24,785,500.00  | 25,000,000.00  | 1.100   | N/A    | A-1  | 1.100 | 02/03/2023 |
| 89114WC29      | 12514                        | Toronto Dominion Bar   | nk             | 06/11/2021 | 25,000,000.00  | 24,971,750.00  | 25,000,000.00  | 0.170   | N/A    | A-1+ | 0.170 | 06/10/2022 |
| 89114WTL9      | 12582                        | Toronto Dominion Ba    | nk             | 03/29/2022 | 25,000,000.00  | 24,568,750.00  | 25,000,000.00  | 2.150   | N/A    | N/A  | 2.150 | 03/28/2023 |
|                | s                            | ubtotal and Average    | 70,444,444.44  | _          | 75,000,000.00  | 74,326,000.00  | 75,000,000.00  |         |        |      | 1.140 |            |
| Commercial Pa  | per Disc GC 53               | 601(h)                 |                |            |                |                |                |         |        |      |       |            |
| 00084CH21      | 12570                        | ABN Amro Funding U     | SA             | 02/25/2022 | 25,000,000.00  | 24,894,000.00  | 24,943,625.00  | 0.660   | P-1    | A-1  | 0.662 | 08/02/2022 |
| 17327BM93      | 12578                        | CitiGroup Global Marl  |                | 03/17/2022 | 15,000,000.00  | 14,819,400.00  | 14,826,750.00  | 1.650   | P-1    | A-1  |       | 12/09/2022 |
| 22533UL43      | 12566                        | Credit Agricole Securi |                | 02/14/2022 | 30,500,000.00  | 30,183,715.00  | 30,308,798.89  | 1.040   | P-1    | A-1  | 1.058 | 11/04/2022 |
| 4497W1J23      | 12553                        | ING                    |                | 01/06/2022 | 30,000,000.00  | 29,821,500.00  | 29,949,950.00  | 0.390   | P-1    | A-1  | 0.395 | 09/02/2022 |
| 62479MHS5      | 12546                        | MUFG Bank LTD/NY       |                | 11/30/2021 | 25,000,000.00  | 24,873,500.00  | 24,966,312.50  | 0.330   | P-1    | A-1  | 0.335 | 08/26/2022 |
| 62479MJD6      | 12551                        | MUFG Bank LTD/NY       |                | 12/22/2021 | 25,000,000.00  | 24,840,750.00  | 24,956,458.33  | 0.380   | P-1    | A-1  | 0.386 | 09/13/2022 |
| 63873KL47      | 12565                        | NATIXIS NA             |                | 02/10/2022 | 10,000,000.00  | 9,896,300.00   | 9,947,558.33   | 0.870   | P-1    | A-1  | 0.875 | 11/04/2022 |
| 63873KL47      | 12567                        | NATIXIS_NA             |                | 02/15/2022 | 10,000,000.00  | 9,896,300.00   | 9,934,900.00   | 1.080   | P-1    | A-1  | 1.088 | 11/04/2022 |
| 63873KJ99      | 12548                        | –<br>Natixis NY Branch |                | 12/15/2021 | 26,750,000.00  | 26,583,615.00  | 26,700,950.91  | 0.410   | P-1    | A-1  | 0.411 | 09/09/2022 |
|                | s                            | ubtotal and Average    | 200,773,380.06 | _          | 197,250,000.00 | 195,809,080.00 | 196,535,303.96 |         |        |      | 0.680 |            |
| Fed Agcy Coup  | on Sec - GC 536              | 01(f)                  |                |            |                |                |                |         |        |      |       |            |
| 3130AFW94      | 12264                        | Federal Home Loan E    | Bank           | 02/15/2019 | 370,000.00     | 371,150.70     | 369,510.46     | 2.500   |        | AA+  | 2.576 | 02/13/2024 |
| 3130AJM22      | 12407                        | Federal Home Loan E    | Bank           | 09/18/2020 | 12,535,000.00  | 11,972,303.85  | 12,579,389.79  | 0.440   | Aaa    | AA+  | 0.292 | 08/28/2024 |
| 3130AKJW7      | 12451                        | Federal Home Loan E    |                | 12/16/2020 | 25,000,000.00  | 23,217,500.00  | 25,018,538.08  | 0.600   | Aaa    | AA+  |       | 12/15/2025 |
|                |                              |                        |                |            |                |                |                |         |        |      |       |            |

Portfolio INVT AP PM (PRF\_PM2) 7.3.11

Run Date: 04/14/2022 - 19:21

# Monterey County Portfolio Management Portfolio Details - Investments March 31, 2022

|                |                  |                      | Average        | Purchase   |                |                |                | Stated |        |       | YTM   | Maturity   |
|----------------|------------------|----------------------|----------------|------------|----------------|----------------|----------------|--------|--------|-------|-------|------------|
| CUSIP          | Investment #     | Issuer               | Balance        | Date       | Par Value      | Market Value   | Book Value     | Rate M | oody's | S&P   |       | Date       |
| Fed Agcy Coup  | on Sec - GC 5360 | )1(f)                |                |            |                |                |                |        |        |       |       |            |
| 3137EAES4      | 12384            | Federal Home Loan    | Mtg Corp       | 06/30/2020 | 25,000,000.00  | 24,472,000.00  | 24,984,387.78  | 0.250  | Aaa    | AA+   | 0.301 | 06/26/2023 |
| 3137EAEU9      | 12391            | Federal Home Loan    | Mtg Corp       | 07/23/2020 | 155,000.00     | 144,359.25     | 154,489.12     | 0.375  |        | AA+   | 0.476 | 07/21/2025 |
| 3137EAES4      | 12395            | Federal Home Loan    | Mtg Corp       | 08/17/2020 | 22,635,000.00  | 22,156,948.80  | 22,627,756.36  | 0.250  | Aaa    | AA+   | 0.276 | 06/26/2023 |
| 3137EAEW5      | 12399            | Federal Home Loan    | Mtg Corp       | 09/04/2020 | 15,000,000.00  | 14,596,500.00  | 15,003,548.41  | 0.250  | Aaa    | AA+   | 0.233 | 09/08/2023 |
| 3137EAEW5      | 12400            | Federal Home Loan    | Mtg Corp       | 09/04/2020 | 290,000.00     | 282,199.00     | 290,068.60     | 0.250  | Aaa    | AA+   | 0.233 | 09/08/2023 |
| 3137EAEW5      | 12409            | Federal Home Loan    | Mtg Corp       | 09/18/2020 | 25,000,000.00  | 24,327,500.00  | 25,004,107.01  | 0.250  | Aaa    | AA+   | 0.239 | 09/08/2023 |
| 3137EAEV7      | 12411            | Federal Home Loan    | Mtg Corp       | 09/18/2020 | 25,000,000.00  | 24,363,000.00  | 25,002,262.55  | 0.250  | Aaa    | AA+   | 0.243 | 08/24/2023 |
| 3137EAEV7      | 12413            | Federal Home Loan    | Mtg Corp       | 09/30/2020 | 25,000,000.00  | 24,363,000.00  | 25,007,347.46  | 0.250  | Aaa    | AA+   | 0.229 | 08/24/2023 |
| 3134GWVB9      | 12420            | Federal Home Loan    | Mtg Corp       | 10/15/2020 | 10,650,000.00  | 9,911,103.00   | 10,644,367.56  | 0.550  | Aaa    | N/A   | 0.565 | 09/29/2025 |
| 3137EAEY1      | 12421            | Federal Home Loan    | Mtg Corp       | 10/16/2020 | 250,000.00     | 242,342.50     | 249,573.47     | 0.125  | N/A    | AA+   | 0.236 | 10/16/2023 |
| 3137EAEZ8      | 12429            | Federal Home Loan    | Mtg Corp       | 11/05/2020 | 29,545,000.00  | 28,654,513.70  | 29,530,856.12  | 0.250  | N/A    | AA+   | 0.280 | 11/06/2023 |
| 3134GXBD5      | 12448            | Federal Home Loan    | Mtg Corp       | 12/11/2020 | 25,000,000.00  | 23,930,000.00  | 24,994,582.66  | 0.360  | Aaa    | N/A   | 0.370 | 05/15/2024 |
| 3135G0V34      | 12263            | Federal National Mtg | Assn           | 02/08/2019 | 335,000.00     | 336,463.95     | 334,539.52     | 2.500  |        | AA+   | 2.580 | 02/05/2024 |
| 3135G03U5      | 12366            | Federal National Mtg | Assn           | 04/24/2020 | 470,000.00     | 443,849.20     | 469,407.13     | 0.625  | Aaa    | AA+   | 0.667 | 04/22/2025 |
| 3135G04Q3      | 12372            | Federal National Mtg | Assn           | 05/22/2020 | 240,000.00     | 235,404.00     | 239,725.09     | 0.250  | Aaa    | AA+   | 0.351 | 05/22/2023 |
| 3135G03U5      | 12373            | Federal National Mtg | Assn           | 06/03/2020 | 450,000.00     | 424,962.00     | 451,740.69     | 0.625  | Aaa    | AA+   | 0.497 | 04/22/2025 |
| 3135G04Z3      | 12380            | Federal National Mtg | Assn           | 06/19/2020 | 545,000.00     | 510,779.45     | 544,274.67     | 0.500  | Aaa    | AA+   | 0.542 | 06/17/2025 |
| 3135G04Q3      | 12381            | Federal National Mtg | Assn           | 06/30/2020 | 31,000,000.00  | 30,406,350.00  | 30,993,397.18  | 0.250  | Aaa    | AA+   | 0.269 | 05/22/2023 |
| 3135G05G4      | 12385            | Federal National Mtg | Assn           | 07/10/2020 | 515,000.00     | 503,185.90     | 514,529.42     | 0.250  | Aaa    | AA+   | 0.322 | 07/10/2023 |
| 3135G04Z3      | 12386            | Federal National Mtg | Assn           | 07/10/2020 | 950,000.00     | 890,349.50     | 951,334.90     | 0.500  | Aaa    | AA+   | 0.456 | 06/17/2025 |
| 3135G05R0      | 12394            | Federal National Mtg | Assn           | 08/12/2020 | 15,000,000.00  | 14,644,950.00  | 14,987,752.32  | 0.300  | Aaa    | AA+   | 0.360 | 08/10/2023 |
| 3135G05G4      | 12396            | Federal National Mtg | Assn           | 08/17/2020 | 15,000,000.00  | 14,655,900.00  | 14,996,699.42  | 0.250  | Aaa    | AA+   | 0.267 | 07/10/2023 |
| 3135G05G4      | 12408            | Federal National Mtg | Assn           | 09/18/2020 | 25,000,000.00  | 24,426,500.00  | 25,001,020.50  | 0.250  | Aaa    | AA+   | 0.247 | 07/10/2023 |
| 3135G0V75      | 12416            | Federal National Mtg | Assn           | 09/30/2020 | 13,800,000.00  | 13,610,112.00  | 14,274,658.14  | 1.750  | Aaa    | AA+   | 0.216 | 07/02/2024 |
| 3135G06H1      | 12440            | Federal National Mtg | Assn           | 11/25/2020 | 25,000,000.00  | 24,218,500.00  | 24,992,839.19  | 0.250  | N/A    | AA+   | 0.267 | 11/27/2023 |
|                | Su               | btotal and Average   | 370,236,540.57 | _          | 369,735,000.00 | 358,311,726.80 | 370,212,703.60 | _      |        |       | 0.308 |            |
| US Treasury No | ote-GC 53601(b)  |                      |                |            |                |                |                |        |        |       |       |            |
| 9128284D9      | 12226            | U.S. Treasury        |                | 11/07/2018 | 850,000.00     | 856,511.00     | 845,926.17     | 2.500  | Aaa    | N/A   | 3.017 | 03/31/2023 |
| 912828T91      | 12245            | U.S. Treasury        |                | 01/11/2019 | 500,000.00     | 495,800.00     | 493,100.41     | 1.625  | Aaa    | N/A   |       | 10/31/2023 |
| 912828VB3      | 12246            | U.S. Treasury        |                | 01/11/2019 | 785,000.00     | 783,955.95     | 778,337.52     | 1.750  | Aaa    | N/A   |       | 05/15/2023 |
| 912828V23      | 12260C           | U.S. Treasury        |                | 01/31/2019 | 500,000.00     | 499,920.00     | 497,469.14     | 2.250  | Aaa    | N/A   |       | 12/31/2023 |
| 912828U57      | 12261            | U.S. Treasury        |                | 02/08/2019 | 500,000.00     | 499,295.00     | 497,092.11     | 2.125  | Aaa    | N/A   |       | 11/30/2023 |
| 912828P38      | 12262            | U.S. Treasury        |                | 02/08/2019 | 700,000.00     | 701,204.00     | 695,896.09     | 1.750  | Aaa    | N/A   |       | 01/31/2023 |
| 9128286G0      | 12274            | U.S. Treasury        |                | 03/07/2019 | 400,000.00     | 400,436.00     | 398,697.78     | 2.375  | Aaa    | N/A   |       | 02/29/2024 |
| 912828WJ5      | 12305            | U.S. Treasury        |                | 06/06/2019 | 500,000.00     | 501,035.00     | 505,803.11     | 2.500  | Aaa    | N/A   |       | 05/15/2024 |
| 012020000      | 12000            | 0.0. Headury         |                | 00/00/2013 | 000,000.00     | 001,000.00     | 000,000.11     | 2.000  | Add    | 11/71 | 1.524 | 00/10/2024 |

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## Monterey County Portfolio Management Portfolio Details - Investments March 31, 2022

|                |                 |               | Average | Purchase   |               |               |               | Stated  |       |     | YTM   | 1 Maturity |
|----------------|-----------------|---------------|---------|------------|---------------|---------------|---------------|---------|-------|-----|-------|------------|
| CUSIP          | Investment #    | Issuer        | Balance | Date       | Par Value     | Market Value  | Book Value    | Rate Mo | ody's | S&P |       | Date       |
| US Treasury No | ote-GC 53601(b) |               |         |            |               |               |               |         |       |     |       |            |
| 912828S35      | 12309           | U.S. Treasury |         | 07/12/2019 | 750,000.00    | 744,607.50    | 746,053.41    | 1.375   | Aaa   | N/A | 1.815 | 06/30/2023 |
| 912828Q29      | 12320           | U.S. Treasury |         | 09/06/2019 | 950,000.00    | 947,777.00    | 951,462.83    | 1.500   | Aaa   | N/A | 1.341 | 03/31/2023 |
| 912828YM6      | 12331           | U.S. Treasury |         | 11/19/2019 | 170,000.00    | 165,857.10    | 169,296.15    | 1.500   | Aaa   | N/A | 1.668 | 10/31/2024 |
| 912828Z52      | 12352           | U.S. Treasury |         | 02/05/2020 | 500,000.00    | 484,610.00    | 500,022.21    | 1.375   | Aaa   | N/A | 1.373 | 01/31/2025 |
| 912828YM6      | 12353           | U.S. Treasury |         | 02/05/2020 | 500,000.00    | 487,815.00    | 501,513.37    | 1.500   | Aaa   | N/A | 1.378 | 10/31/2024 |
| 912828YY0      | 12354A          | U.S. Treasury |         | 02/05/2020 | 370,000.00    | 362,570.40    | 373,690.15    | 1.750   | N/A   | N/A | 1.374 | 12/31/2024 |
| 912828ZC7      | 12362           | U.S. Treasury |         | 03/04/2020 | 400,000.00    | 384,516.00    | 403,348.73    | 1.125   | Aaa   | N/A | 0.831 | 02/28/2025 |
| 912828ZR4      | 12379           | U.S. Treasury |         | 06/18/2020 | 25,000,000.00 | 24,989,000.00 | 24,996,955.10 | 0.125   | Aaa   | N/A | 0.199 | 05/31/2022 |
| 912828ZM5      | 12410           | U.S. Treasury |         | 09/18/2020 | 30,700,000.00 | 30,696,009.00 | 30,699,763.82 | 0.125   | Aaa   | N/A | 0.134 | 04/30/2022 |
| 91282CAP6      | 12419           | U.S. Treasury |         | 10/15/2020 | 20,300,000.00 | 19,674,354.00 | 20,284,941.56 | 0.125   | Aaa   | N/A | 0.173 | 10/15/2023 |
| 91282CAG6      | 12424           | U.S. Treasury |         | 11/03/2020 | 25,000,000.00 | 24,917,000.00 | 24,996,433.93 | 0.125   | Aaa   | N/A | 0.159 | 08/31/2022 |
| 912828M80      | 12425           | U.S. Treasury |         | 11/04/2020 | 25,000,000.00 | 25,109,500.00 | 25,303,850.45 | 2.000   | Aaa   | N/A | 0.170 | 11/30/2022 |
| 91282CAR2      | 12426           | U.S. Treasury |         | 11/04/2020 | 25,000,000.00 | 24,845,750.00 | 24,993,410.22 | 0.125   | Aaa   | N/A | 0.170 | 10/31/2022 |
| 912828TY6      | 12427           | U.S. Treasury |         | 11/04/2020 | 25,000,000.00 | 25,052,750.00 | 25,226,562.50 | 1.625   | Aaa   | N/A | 0.171 | 11/15/2022 |
| 91282CAN1      | 12428           | U.S. Treasury |         | 11/04/2020 | 25,000,000.00 | 24,885,750.00 | 24,994,118.14 | 0.125   | Aaa   | N/A | 0.172 | 09/30/2022 |
| 91282CAR2      | 12434           | U.S. Treasury |         | 11/18/2020 | 500,000.00    | 496,915.00    | 499,853.93    | 0.125   | Aaa   | N/A | 0.175 | 10/31/2022 |
| 91282CAP6      | 12441           | U.S. Treasury |         | 12/01/2020 | 20,900,000.00 | 20,255,862.00 | 20,880,736.55 | 0.125   | Aaa   | N/A | 0.185 | 10/15/2023 |
| 91282CAZ4      | 12443           | U.S. Treasury |         | 12/08/2020 | 325,000.00    | 300,472.25    | 324,794.29    | 0.375   | Aaa   | N/A | 0.392 | 11/30/2025 |
| 91282CAX9      | 12450           | U.S. Treasury |         | 12/11/2020 | 28,210,000.00 | 27,986,294.70 | 28,204,413.60 | 0.125   | Aaa   | N/A | 0.155 | 11/30/2022 |
| 91282CBA8      | 12452           | U.S. Treasury |         | 12/16/2020 | 25,000,000.00 | 24,117,250.00 | 24,978,311.21 | 0.125   | Aaa   | N/A | 0.175 | 12/15/2023 |
| 91282CAW1      | 12454           | U.S. Treasury |         | 12/22/2020 | 25,000,000.00 | 24,224,500.00 | 25,038,862.20 | 0.250   | Aaa   | N/A | 0.154 | 11/15/2023 |
| 91282CBA8      | 12455           | U.S. Treasury |         | 12/22/2020 | 25,000,000.00 | 24,117,250.00 | 24,982,665.12 | 0.125   | Aaa   | N/A | 0.166 | 12/15/2023 |
| 912828YE4      | 12456           | U.S. Treasury |         | 12/22/2020 | 25,000,000.00 | 24,292,000.00 | 25,616,663.00 | 1.250   | Aaa   | N/A | 0.224 | 08/31/2024 |
| 912828YM6      | 12457           | U.S. Treasury |         | 12/22/2020 | 22,500,000.00 | 21,951,675.00 | 23,229,583.26 | 1.500   | Aaa   | N/A | 0.238 | 10/31/2024 |
| 91282CBE0      | 12459           | U.S. Treasury |         | 02/01/2021 | 20,000,000.00 | 19,244,600.00 | 19,980,567.31 | 0.125   | Aaa   | N/A | 0.179 | 01/15/2024 |
| 91282CBM2      | 12461           | U.S. Treasury |         | 02/16/2021 | 14,400,000.00 | 13,827,888.00 | 14,382,741.94 | 0.125   | Aaa   | N/A | 0.189 | 02/15/2024 |
| 91282CBM2      | 12463           | U.S. Treasury |         | 02/26/2021 | 10,000,000.00 | 9,602,700.00  | 9,962,479.82  | 0.125   | Aaa   | N/A | 0.326 | 02/15/2024 |
| 912828ZF0      | 12464           | U.S. Treasury |         | 03/01/2021 | 25,000,000.00 | 23,551,750.00 | 24,945,493.27 | 0.500   | Aaa   | N/A | 0.574 | 03/31/2025 |
| 91282CAB7      | 12465           | U.S. Treasury |         | 03/01/2021 | 30,000,000.00 | 27,813,300.00 | 29,599,469.40 | 0.250   | Aaa   | N/A | 0.657 | 07/31/2025 |
| 91282CBQ3      | 12466           | U.S. Treasury |         | 03/04/2021 | 250,000.00    | 231,132.50    | 247,801.81    | 0.500   | Aaa   | N/A | 0.729 | 02/28/2026 |
| 91282CBH3      | 12467           | U.S. Treasury |         | 03/04/2021 | 250,000.00    | 230,342.50    | 246,743.56    | 0.375   | Aaa   | N/A | 0.721 | 01/31/2026 |
| 912828P46      | 12470           | U.S. Treasury |         | 03/09/2021 | 500,000.00    | 483,320.00    | 515,238.53    | 1.625   | Aaa   | N/A | 0.821 | 02/15/2026 |
| 91282CBN0      | 12471           | U.S. Treasury |         | 03/09/2021 | 500,000.00    | 493,280.00    | 499,891.75    | 0.125   | N/A   | N/A | 0.148 | 02/28/2023 |
| 91282CBM2      | 12472           | U.S. Treasury |         | 03/09/2021 | 500,000.00    | 480,135.00    | 498,154.64    | 0.125   | Aaa   | N/A | 0.322 | 02/15/2024 |
| 91282CBR1      | 12475           | U.S. Treasury |         | 03/23/2021 | 200,000.00    | 192,126.00    | 199,728.27    | 0.250   | Aaa   | N/A | 0.320 | 03/15/2024 |
| 912828ZF0      | 12476           | U.S. Treasury |         | 03/26/2021 | 250,000.00    | 235,517.50    | 249,445.64    | 0.500   | Aaa   | N/A | 0.575 | 03/31/2025 |

Portfolio INVT AP PM (PRF\_PM2) 7.3.11

# Monterey County Portfolio Management Portfolio Details - Investments March 31, 2022

|                |                 |                     | Average        | Purchase   |                  |                |                  | Stated  |       |     | YTM   | Maturity   |
|----------------|-----------------|---------------------|----------------|------------|------------------|----------------|------------------|---------|-------|-----|-------|------------|
| CUSIP          | Investment      | # Issuer            | Balance        | Date       | Par Value        | Market Value   | Book Value       | Rate Mo | ody's | S&P |       | Date       |
| US Treasury No | ote-GC 53601(b) |                     |                |            |                  |                |                  |         |       |     |       |            |
| 912828YH7      | 12477           | U.S. Treasury       |                | 03/31/2021 | 25,000,000.00    | 24,411,250.00  | 25,632,277.26    | 1.500   | Aaa   | N/A | 0.478 | 09/30/2024 |
| 9128286Z8      | 12480           | U.S. Treasury       |                | 03/31/2021 | 19,000,000.00    | 18,725,450.00  | 19,568,268.64    | 1.750   | Aaa   | N/A | 0.409 | 06/30/2024 |
| 91282CBR1      | 12484           | U.S. Treasury       |                | 04/06/2021 | 250,000.00       | 240,157.50     | 249,461.14       | 0.250   | Aaa   | N/A | 0.361 | 03/15/2024 |
| 91282CBC4      | 12486           | U.S. Treasury       |                | 04/12/2021 | 250,000.00       | 230,850.00     | 246,018.92       | 0.375   | Aaa   | N/A | 0.809 | 12/31/2025 |
| 91282CBV2      | 12487           | U.S. Treasury       |                | 04/15/2021 | 22,000,000.00    | 21,132,100.00  | 22,005,257.40    | 0.375   | Aaa   | N/A | 0.363 | 04/15/2024 |
| 91282CBV2      | 12494           | U.S. Treasury       |                | 04/30/2021 | 20,000,000.00    | 19,211,000.00  | 20,015,075.74    | 0.375   | Aaa   | N/A | 0.338 | 04/15/2024 |
| 912828XX3      | 12495           | U.S. Treasury       |                | 04/30/2021 | 500,000.00       | 495,410.00     | 518,030.89       | 2.000   | Aaa   | N/A | 0.385 | 06/30/2024 |
| 91282CBR1      | 12496           | U.S. Treasury       |                | 05/05/2021 | 250,000.00       | 240,157.50     | 249,799.83       | 0.250   | Aaa   | N/A | 0.291 | 03/15/2024 |
| 91282CBE0      | 12499           | U.S. Treasury       |                | 05/11/2021 | 25,000,000.00    | 24,055,750.00  | 24,947,157.90    | 0.125   | Aaa   | N/A | 0.243 | 01/15/2024 |
| 91282CAK7      | 12500           | U.S. Treasury       |                | 05/11/2021 | 25,000,000.00    | 24,290,000.00  | 24,973,932.50    | 0.125   | Aaa   | N/A | 0.196 | 09/15/2023 |
| 91282CBR1      | 12505           | U.S. Treasury       |                | 05/13/2021 | 13,200,000.00    | 12,680,316.00  | 13,192,189.55    | 0.250   | Aaa   | N/A | 0.280 | 03/15/2024 |
| 912828YE4      | 12511           | U.S. Treasury       |                | 06/02/2021 | 15,000,000.00    | 14,575,200.00  | 15,316,275.33    | 1.250   | Aaa   | N/A | 0.371 | 08/31/2024 |
| 91282CCF6      | 12513           | U.S. Treasury       |                | 06/07/2021 | 200,000.00       | 186,016.00     | 199,719.10       | 0.750   |       | N/A | 0.784 | 05/31/2026 |
| 91282CBW0      | 12518           | U.S. Treasury       |                | 06/25/2021 | 250,000.00       | 232,852.50     | 248,799.77       | 0.750   | Aaa   | N/A | 0.870 | 04/30/2026 |
| 9128282N9      | 12520           | U.S. Treasury       |                | 06/30/2021 | 25,000,000.00    | 24,822,250.00  | 25,948,678.04    | 2.125   | Aaa   | N/A | 0.484 | 07/31/2024 |
| 91282CCG4      | 12521           | U.S. Treasury       |                | 06/30/2021 | 30,000,000.00    | 28,612,500.00  | 29,854,082.60    | 0.250   | Aaa   | N/A | 0.472 | 06/15/2024 |
| 9128282Y5      | 12522           | U.S. Treasury       |                | 06/30/2021 | 22,000,000.00    | 21,816,080.00  | 22,877,732.21    | 2.125   | Aaa   | N/A | 0.513 | 09/30/2024 |
| 91282CBX8      | 12532           | U.S. Treasury       |                | 09/30/2021 | 20,750,000.00    | 20,383,555.00  | 20,731,181.83    | 0.125   | Aaa   | N/A | 0.209 | 04/30/2023 |
| 912828YV6      | 12533           | U.S. Treasury       |                | 09/30/2021 | 20,000,000.00    | 19,482,800.00  | 20,487,999.68    | 1.500   | Aaa   | N/A | 0.575 | 11/30/2024 |
| 912828YM6      | 12534           | U.S. Treasury       |                | 09/30/2021 | 20,000,000.00    | 19,512,600.00  | 20,485,559.01    | 1.500   | Aaa   | N/A | 0.551 | 10/31/2024 |
| 91282CBC4      | 12535           | U.S. Treasury       |                | 10/06/2021 | 135,000.00       | 124,659.00     | 132,781.72       | 0.375   | Aaa   | N/A | 0.822 | 12/31/2025 |
| 912828ZL7      | 12537           | U.S. Treasury       |                | 11/02/2021 | 20,000,000.00    | 18,727,400.00  | 19,665,670.96    | 0.375   | Aaa   | N/A | 0.927 | 04/30/2025 |
| 91282CAB7      | 12538           | U.S. Treasury       |                | 11/02/2021 | 20,000,000.00    | 18,542,200.00  | 19,521,479.52    | 0.250   | Aaa   | N/A | 0.982 | 07/31/2025 |
| 91282CCJ8      | 12540           | U.S. Treasury       |                | 11/09/2021 | 400,000.00       | 373,592.00     | 396,523.64       | 0.875   | Aaa   | N/A | 1.085 | 06/30/2026 |
| 91282CCW9      | 12541           | U.S. Treasury       |                | 11/09/2021 | 380,000.00       | 352,199.20     | 374,286.96       | 0.750   | Aaa   | N/A | 1.100 | 08/31/2026 |
| 91282CAJ0      | 12543           | U.S. Treasury       |                | 11/16/2021 | 26,000,000.00    | 24,055,980.00  | 25,285,657.51    | 0.250   | Aaa   | N/A | 1.073 | 08/31/2025 |
| 91282CDH1      | 12549           | U.S. Treasury       |                | 12/22/2021 | 24,000,000.00    | 22,939,680.00  | 23,921,045.50    | 0.750   | Aaa   | N/A | 0.877 | 11/15/2024 |
| 91282CBR1      | 12550           | U.S. Treasury       |                | 12/22/2021 | 25,000,000.00    | 24,015,750.00  | 24,773,003.21    | 0.250   | Aaa   | N/A | 0.719 | 03/15/2024 |
| 9128283P3      | 12552           | U.S. Treasury       |                | 12/22/2021 | 25,000,000.00    | 24,830,000.00  | 25,913,943.19    | 2.250   | Aaa   | N/A | 0.899 | 12/31/2024 |
| 91282CCL3      | 12569           | U.S. Treasury       |                | 02/25/2022 | 15,600,000.00    | 14,889,420.00  | 15,175,956.16    | 0.375   | Aaa   | N/A | 1.588 | 07/15/2024 |
| 91282CCK5      | 12580           | U.S. Treasury       |                | 03/22/2022 | 25,000,000.00    | 24,436,500.00  | 24,490,685.91    | 0.125   | Aaa   | N/A | 1.782 | 06/30/2023 |
| 912828R28      | 12583           | U.S. Treasury       |                | 03/31/2022 | 25,000,000.00    | 24,955,000.00  | 24,965,906.84    | 1.625   | Aaa   | N/A | 1.753 | 04/30/2023 |
| 91282CBM2      | 12584           | U.S. Treasury       |                | 03/31/2022 | 25,000,000.00    | 24,006,750.00  | 24,030,711.90    | 0.125   | Aaa   | N/A | 2.248 | 02/15/2024 |
|                | S               | ubtotal and Average | 942,130,690.66 |            | 1,018,825,000.00 | 990,199,758.10 | 1,021,332,534.36 |         |       |     | 0.530 |            |

Portfolio INVT AP PM (PRF\_PM2) 7.3.11

# Monterey County Portfolio Management Portfolio Details - Investments March 31, 2022

| CUSIP            | Investment   | # leaver               | Average          | Purchase   | D. Male          |                  | <b>B</b> a Mata  | Stated |         |     | YTM   |            |
|------------------|--------------|------------------------|------------------|------------|------------------|------------------|------------------|--------|---------|-----|-------|------------|
|                  | investment   | # Issuer               | Balance          | Date       | Par Value        | Market Value     | Book Value       | Rate N | loody's | S&P |       | Date       |
| Supranationals   |              |                        |                  |            |                  |                  |                  |        |         |     |       |            |
| 459058JV6        | 12488        | Inter-America Devel    | BK               | 04/20/2021 | 190,000.00       | 186,485.00       | 189,792.97       | 0.126  |         | AAA | 0.230 | 04/20/2023 |
| 459058JV6        | 12489        | Inter-America Devel    | BK               | 04/20/2021 | 5,000,000.00     | 4,907,500.00     | 4,995,525.69     | 0.126  |         | AAA | 0.210 | 04/20/2023 |
| 4581X0DM7        | 12365        | INTER AMERICAN D       | DEVEL BK         | 04/24/2020 | 270,000.00       | 265,334.40       | 269,965.84       | 0.500  |         | AAA | 0.511 | 05/24/2023 |
| 4581X0DZ8        | 12531        | INTER AMERICAN D       | DEVEL BK         | 09/23/2021 | 265,000.00       | 252,322.40       | 264,838.04       | 0.500  | Aaa     | AAA | 0.525 | 09/23/2024 |
| 459058JM6        | 12437        | INTL BK RECON & [      | DEVELP           | 11/24/2020 | 355,000.00       | 343,526.40       | 354,580.92       | 0.250  | N/A     | AAA | 0.322 | 11/24/2023 |
| 459058JM6        | 12438        | INTL BK RECON & [      | DEVELP           | 11/24/2020 | 21,955,000.00    | 21,245,414.40    | 21,929,081.92    | 0.250  | N/A     | AAA | 0.322 | 11/24/2023 |
| 459058GX5        | 12503        | INTL BK RECON & [      | DEVELP           | 05/13/2021 | 15,000,000.00    | 14,964,150.00    | 15,302,428.57    | 1.876  |         | AAA | 0.214 | 06/19/2023 |
| 459056HV2        | 12504        | INTL BK RECON & [      | DEVELP           | 05/13/2021 | 15,000,000.00    | 14,670,300.00    | 15,374,236.71    | 1.500  | Aaa     | AAA | 0.455 | 08/28/2024 |
|                  | 5            | Subtotal and Average   | 58,727,816.56    |            | 58,035,000.00    | 56,835,032.60    | 58,680,450.66    |        |         |     | 0.321 |            |
| Asset Backed Sec | curity(GNMA/ | СМО)                   |                  |            |                  |                  |                  |        |         |     |       |            |
| 14041NFY2        | 12547        | Capital One Multi-As   | set              | 11/30/2021 | 195,000.00       | 186,464.85       | 194,973.13       | 1.040  | N/A     | AAA | 1.047 | 11/16/2026 |
|                  | 5            | Subtotal and Average   | 194,973.13       |            | 195,000.00       | 186,464.85       | 194,973.13       |        |         |     | 1.047 |            |
| Municipal Bonds  |              |                        |                  |            |                  |                  |                  |        |         |     |       |            |
| 13017HAK2        | 12435        | California Earthquak   | e Authorit       | 11/24/2020 | 55,000.00        | 54,494.55        | 55,000.00        | 1.477  | N/A     | N/A | 1.477 | 07/01/2023 |
| 54438CYK2        | 12431        | Los Angeles CCD        |                  | 11/10/2020 | 100,000.00       | 93,796.00        | 100,000.00       | 0.773  | Aaa     | AA+ | 0.773 | 08/01/2025 |
| 544647FC9        | 12542        | Los Angeles Unified    | SD               | 11/10/2021 | 80,000.00        | 75,127.20        | 80,000.00        | 1.455  | Aa3     | N/A | 1.455 | 07/01/2026 |
| 646140DN0        | 12460        | NJ TPK AUTH-B-TX       | BL               | 02/04/2021 | 55,000.00        | 52,011.85        | 55,000.00        | 0.897  | A1      | AA- | 0.897 | 01/01/2025 |
| 650036DT0        | 12453        | NY ST Urban            |                  | 12/23/2020 | 270,000.00       | 254,493.90       | 270,000.00       | 0.870  | N/A     | AA+ | 0.870 | 03/15/2025 |
| 798306WP7        | 12422        | SAN JUAN CA UNIF       | SCH              | 10/29/2020 | 55,000.00        | 51,791.85        | 55,000.00        | 0.852  | Aa2     | N/A | 0.899 | 08/01/2025 |
| 798306WN2        | 12423        | SAN JUAN CA UNIF       | SCH              | 10/29/2020 | 60,000.00        | 57,442.80        | 60,000.00        | 0.702  | Aa2     | N/A | 0.702 | 08/01/2024 |
| 574193TQ1        | 12392        | State of Maryland      |                  | 08/05/2020 | 110,000.00       | 104,933.40       | 109,981.98       | 0.510  | Aaa     | AAA | 0.517 | 08/01/2024 |
| 91412HFM0        | 12388        | University of Californ | ia               | 07/16/2020 | 55,000.00        | 51,778.65        | 55,000.00        | 0.933  | Aa2     | AA  | 0.933 | 05/15/2025 |
| 977123X78        | 12389        | Wisconsin St Transp    | ort              | 07/30/2020 | 140,000.00       | 131,156.20       | 140,000.00       | 0.774  | N/A     | AAA | 0.774 | 07/01/2025 |
| 977123X60        | 12390        | Wisconsin St Transp    | ort              | 07/30/2020 | 140,000.00       | 133,828.80       | 140,000.00       | 0.624  | N/A     | AAA | 0.624 | 07/01/2024 |
|                  | 5            | Subtotal and Average   | 1,150,076.67     | -          | 1,120,000.00     | 1,060,855.20     | 1,119,981.98     | -      |         |     | 0.852 |            |
|                  |              | Total and Average      | 2,412,226,155.68 |            | 2,419,914,130.01 | 2,371,225,548.11 | 2,425,854,603.54 |        |         |     | 0.518 |            |

# Exhibit C Monterey County Aging Summary By Maturity Date As of April 1, 2022

|                 |                     |                             |                           | Maturity<br>Par Value | Percent<br>of Portfolio | Current<br>Book Value | Current<br>Market Value |
|-----------------|---------------------|-----------------------------|---------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
| Aging Interval: | 0 days              | ( 04/01/2022 - 04/01/2022 ) | 10 Maturities             | 444,734,130.01        | 18.38%                  | 444,734,130.01        | 444,734,130.01          |
| Aging Interval: | 1 - 90 days         | ( 04/02/2022 - 06/30/2022 ) | 5 Maturities              | 94,335,582.37         | 3.90%                   | 94,326,653.55         | 94,305,127.75           |
| Aging Interval: | 91 - 365 days       | ( 07/01/2022 - 04/01/2023 ) | 26 Maturities             | 404,942,927.30        | 16.73%                  | 404,698,536.05        | 402,414,417.70          |
| Aging Interval: | 366 - 730 days      | ( 04/02/2023 - 03/31/2024 ) | 72 Maturities             | 733,894,849.61        | 30.33%                  | 733,168,646.83        | 714,844,226.70          |
| Aging Interval: | 731 - 1095 days     | ( 04/01/2024 - 03/31/2025 ) | 72 Maturities             | 530,447,507.67        | 21.92%                  | 539,262,313.87        | 515,893,826.30          |
| Aging Interval: | 1096 - 1460 days    | ( 04/01/2025 - 03/31/2026 ) | 40 Maturities             | 209,293,162.22        | 8.65%                   | 207,217,370.06        | 196,720,457.05          |
| Aging Interval: | 1461 days and after | ( 04/01/2026 - )            | 16 Maturities             | 2,265,970.79          | 0.09%                   | 2,446,953.17          | 2,313,362.60            |
|                 |                     |                             | Total for 241 Investments | 2,419,914,129.97      | 100.00                  | 2,425,854,603.54      | 2,371,225,548.11        |

