



CARMEL AREA WASTEWATER DISTRICT

Regular Board Meeting

3945 Rio Road, Carmel, CA 93923

August 26, 2021
Thursday
9:00AM



Carmel Area Wastewater District

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

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

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

COVID-19 Public Meeting Procedures

As per the Governor's Executive Order #N-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 (www.cawd.org) and allow members of the public to attend and address the meeting electronically.
- The District will give advance notice of all teleconference meeting as prescribed by the Brown Act
- The public may listen to the meeting by logging on to the District website and clicking on the Virtual Webinar.
- Public comment may be submitted 24 hours prior to the meeting by clicking on the "Public Comment Form" listed directly beneath the Virtual Webinar on our website. If received within 24 hours of the meeting we will ensure that a response is given at the meeting. All participants have access during the meeting to be recognized and utilize the platform to speak. Please use the virtual "raised hand" to be acknowledged.
- The District is requesting that the public submit comments at least 24 hours in advance of the scheduled meeting to enable staff to post all comment on the District web site. Any comment received after this time will be posted after the Board meeting.
- The teleconference Board meeting will require that all voting is done by roll call
- The teleconference Board meeting will require that speakers identify themselves prior to addressing other attendees in order to facilitate the flow of the meeting and minimize confusion.
- The District advises that the public refer to our website periodically for updates regarding the District and Board activity.



CARMEL AREA WASTEWATER DISTRICT REGULAR BOARD MEETING MINUTES

Thursday, 9:00 a.m., July 29, 2021

Teleconference Webinar

(See California Executive Order N-08-21)

CALL TO ORDER - ROLL CALL - The meeting was called to order at 9:01 a.m.

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

Absent: None

A quorum was present.

Others: Barbara Buikema, General Manager, Carmel Area Wastewater District (CAWD or District)
Rachél Lather, District Engineer, CAWD
Patrick Treanor, Plant Engineer, CAWD
Ed Waggoner, Plant Superintendent, CAWD
Chris Foley, Maintenance Superintendent, CAWD
Karla Cristi, CMMS and Plant Admin, CAWD
Kevin Young, Operations Supervisor, CAWD
Daryl Lauer, Collections Superintendent, CAWD
Domine Barringer, Administrative Assistant/Board Clerk, CAWD
Kristina Pacheco, Administrative Assistant/Board Clerk, CAWD
Rob Wellington, Wellington Law Offices, CAWD Legal Counsel
Rick Verbanec, Board Member of Pebble Beach Community Services District (PBCSD)
Mike Niccum, General Manager, PBCSD
Evan Currie, owner/operator from Currie Engineers

1. Public Comments:

There were no public comments.

2. Agenda Changes:

For item No. 28 on the Agenda there was an addition of an email that was received that pertained to the item, it is posted to our website here:
<https://www.cawd.org/files/ca3477a3e/Public+Comment-David+Lyng+Real+Estate-Item+%2328+Agenda.pdf>.

3. Employee Award:

CAWD employee, Alex Quintero, was recognized by the Board for acquiring Collection System Maintenance Worker 1 certification from the California Water Environmental Association.

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

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

- 4.** June 24, 2021, Regular Board Meeting Minutes
- 5.** Bank Statement Review by Hayashi Wayland for June 2021
- 6.** Schedule of Cash Receipts & Disbursements for June 2021
- 7.** Register of Disbursements - Carmel Area Wastewater District for June 2021
- 8.** Register of Disbursements – CAWD/PBCSD Reclamation Project for June 2021
- 9.** Financial Statements and Supplementary Schedules for June 2021
- 10.** Collection System Superintendent’s Report for April, March & June 2021
- 11.** Safety and Regulatory Compliance Report for June 2021
- 12.** Treatment Facility Operations Report for April, March & June 2021
- 13.** Laboratory/Environmental Compliance Report for June 2021
- 14.** Capital Projects Report/Implementation Plan
- 15.** Project Summaries
- 16.** Plant Operations Report for June 2021
- 17.** Maintenance Projects Report for June 2021
- 18.** Principal Engineer Monthly Report of General Engineering for June 2021

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

- 19. Resolution No. 2021-37;** Report by Ed Waggoner

Board Action

A motion to approve the resolution was made by Director Rachel and seconded by Director D’Ambrosio. Following a Roll Call vote, the Board unanimously passed Resolution 2021-37, approving a capital expenditure for the CAWD/PBCSD Reclamation Project to purchase 160 microfiltration modules and provide technical support for installation from Scinor Water America, LLC in an amount not to exceed \$132,000.

- 20. Resolution No. 2021-38;** Report by Chris Foley

Board Action

A motion to approve the resolution was made by Director Siegfried and seconded by Director Rachel. Following a Roll Call vote, the Board unanimously passed Resolution 2021-38, authorizing the General Manager to enter into a contract with Mailey Electric for electrical services for Fiscal Year 2021-22 in an amount not to exceed \$141,000.

- 21. Resolution No. 2021-39;** Report by Patrick Treanor

Board Action

After discussion, a motion to approve the resolution was made by Director D'Ambrosio and seconded by Director Rachel. Following a Roll Call vote, the Board unanimously passed Resolution 2021-39, accepting the lowest responsible and responsive bid for the WWTP Elec/Mech Rehab and Sludge Holding Tank Replacement Project (Project #18-01), awarding the construction contract to Clark Bros, Inc. and authorizing a change order allowance.

- 22. Resolution No. 2021-40;** Report by Patrick Treanor

Board Action

After brief discussion, a motion to approve the resolution was made by Director Siegfried and seconded by President White. Following a Roll Call vote, the Board unanimously passed Resolution 2021-40, authorizing the General Manager to execute a Professional Services Agreement with Currie Engineers in an amount not to exceed \$549,122 for construction management services for the WWTP Elec/Mech Rehab and Sludge Holding Tank Replacement Project (Project #18-01).

- 23. Resolution No. 2021-41;** Report by Patrick Treanor

Board Action

After brief discussion, a motion to approve the resolution was made by Director Rachel and seconded by Director Siegfried. Following a Roll Call vote, the Board unanimously passed Resolution 2021-41, authorizing the General Manager to execute a Professional Services Agreement with Kennedy Jenks in an amount not to exceed \$700,801 for engineering services during construction for the WWTP Elec/Mech Rehab and Sludge Holding Tank Replacement Project (Project #18-01).

- 24. Resolution No. 2021-42;** Report by Patrick Treanor

Board Action

A motion to approve the resolution was made by Director Rachel and seconded by Director D'Ambrosio. Following a Roll Call vote, the Board unanimously passed Resolution 2021-42, authorizing the General Manager to execute an amended contract with Johnson Marigot Consulting in an amount not to exceed \$40,000 to provide additional regulatory support for the CRFREE Mitigation Pipeline Undergrounding Project (Project #19-21).

- 25. Resolution No. 2021-43;** Report by Patrick Treanor

Board Action

After brief discussion, a motion to approve the resolution was made by Director Siegfried and seconded by Director Townsend. Following a Roll Call vote, the Board unanimously passed Resolution 2021-43, authorizing the General Manager to invite bids for the WWTP Eucalyptus Pruning Project (Project #21-01).

- 26. Resolution No. 2021-44;** Report by Daryl Lauer

Board Action

After brief discussion, a motion to approve the resolution was made by Director Rachel and seconded by Director Siegfried. Following a Roll Call vote, the Board unanimously passed Resolution 2021-44, revising the fee for a plumbing permit and follow up inspection.

- 27. Resolution No. 2021-45;** Report by Rachél Lather

Board Action

After brief discussion, a motion to approve the resolution was made by Director D'Ambrosio and seconded by Director Siegfried. Following a Roll Call vote, the Board unanimously passed Resolution 2021-45, authorizing the General Manager to amend a contract with MNS Engineers, Inc. to provide easement acquisition support and redesign services for the Upper Rancho Cañada Pipe Relocation Project #19-13.

- 28. Resolution No. 2021-46;** Report by Barbara Buikema

Board Action

After discussion, a motion to approve the resolution was made by Director Rachel and seconded by Director D'Ambrosio. Following a Roll Call vote, the Board passed (with one vote of no) Resolution 2021-46, authorizing the General Manager to enter into a contract with Mahoney & Associates for real estate services in an amount not to exceed \$75,000.

COMMUNICATIONS

- 29.** General Manager Report - oral report

Barbara Buikema reported on the CRFREE project and the negotiation of a contract between the District and Monterey County in order to go forward with the District's portion of the CRFREE project.

OTHER ITEMS BEFORE THE BOARD

- 30.** Annual disclosure of reimbursements to Board members and employees of at least \$100 report and chart was presented by General Manager, Barbara Buikema. The Board unanimously voted to accept both.
- 31.** Topics for the upcoming Fall 2021 CAWD Connections Newsletter were discussed.

INFORMATION/DISCUSSION ITEMS

- 32.** PBCSD June 25, 2021, Board meeting report was given by General Manager, Barbara Buikema.
- 33.** PG&E energy use history was given by Plant Engineer, Patrick Treanor.

34. Announcements on subjects of interest to the Board made by members of the Board or Staff

- Mike Niccum announced that the August PBCSD meeting will likely be cancelled.
- President White is scheduled to attend the July 30, 2021, PBCSD Board meeting and Director D’Ambrosio is scheduled to attend the August 27, 2021, PBCSD Board meeting.
- Director Siegfried is scheduled to attend the October 19, 2021, Special Districts Association of Monterey County meeting. Mr. Niccum noted that the speaker will be Congressman Panetta.
- President White and Director Townsend are scheduled to attend the Reclamation Management Committee meeting on November 9, 2021.

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

The Board adjourned to closed session at 10:41 a.m. and convened in closed session at 10:56 a.m. The Board came out of closed session at 11:54 a.m. and Legal Counsel reported hereby that in the closed session the Board took up each of the items listed on the agenda for Performance Evaluations of the General Manager and Legal Counsel. The Board has completed and concluded both of those matters, and no reportable action was taken.

36. ADJOURNMENT

There being no further business to come before the Board, the President adjourned the meeting at 11:55 a.m. The next Regular Meeting will be held at 9:00 a.m., Thursday, August 26, 2021, 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) SPECIAL MEETING OF THE BOARD OF DIRECTORS MINUTES

July 29, 2021, at 10:30 a.m.
Via "ZOOM"

CALL TO ORDER - ROLL CALL The meeting commenced at 11:57 a.m.

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

Absent: **None**

A quorum was present

Others: Barbara Buikema, General Manager, Carmel Area Wastewater District (CAWD or District)
Rachél Lather, District Engineer, CAWD
Patrick Treanor, Plant Engineer, CAWD
Ed Waggoner, Plant Superintendent, CAWD
Chris Foley, Maintenance Superintendent, CAWD
Daryl Lauer, Collections Superintendent, CAWD
Domine Barringer, Administrative Assistant/Board Clerk, CAWD
Kristina Pacheco, Administrative Assistant/Board Clerk, CAWD
Rob Wellington, Wellington Law Offices, CAWD Legal Counsel

AGENDA ITEMS:

1. Information/Discussion Items:

The Board discussed new or alternate policies requiring Covid-19 vaccination or regular weekly Covid-19 testing. The Board moved to create a new policy for all employees that will include encouraged vaccinations of all employees, mandatory weekly Reverse Transcription Polymerase Chain Reaction (RT-PCR) testing for unvaccinated employees (at their own expense), California Occupational Safety and Health Administrative (Cal/OSHA) standard of masks to be worn by vaccinated employees while indoors, N95 masks to be worn by unvaccinated employees at all times, and social distancing. The policy will also allow for the use of 80 hours of the 2021 COVID-19 Supplemental Paid Sick Leave and any additional sick leave will come for accrued sick leave, vacation time or not paid at all. The policy will go into effect within 2 weeks of circulation to employees.

ADJOURNMENT:

There being no further business to come before the Board, the meeting adjourned at 12:30 p.m. The next Regular Board Meeting will be held at 9:00 a.m., Thursday, August 26, 2021, or an alternate acceptable date, via teleconference webinar. The teleconference webinar is hosted through Zoom, and you may receive access by visiting our website homepage, www.cawd.org, calling the District office at 831-624-1248 or via email at downstream@cawd.org.

As Reported To:

Kristina Pacheco, Pro-Tem Secretary to the Board

APPROVED:

Ken White, President



CARMEL AREA WASTEWATER DISTRICT (CAWD) PENSION COMMITTEE MEETING MINUTES

August 3, 2021 at 10:00 a.m.
Via "ZOOM"

CALL TO ORDER - ROLL CALL The meeting commenced at 10:06 a.m.

Present: Director Michael Rachel, Trustee & Committee member
 Director Robert Siegfried, Trustee & Committee member
 Legal Counsel, Robert Wellington, Trustee & Committee member
 General Manager, Barbara Buikema, Trustee & Committee member
 Bill Hastie, Hastie Financial Group
 Haley Hitchman, Hastie Financial Group

Absent: None

Others: N/A

AGENDA ITEMS:

Information/Discussion Items:

1. The Committee discussed the Quarterly Portfolio Review given by Hastie Financial Group.
2. The Committee discussed the Section 115 plan status.

ADJOURNMENT: *There being no further business to come before the Committee, the meeting concluded at 10:55 a.m. The next Regular Board Meeting will be held at 9:00 a.m., Thursday, August 26, 2021, or an alternate acceptable date, via teleconference webinar. The teleconference webinar is hosted through Zoom and you may receive access by visiting our website homepage, www.cawd.org, calling the District office at 831-624-1248 or via email at downstream@cawd.org.*

As Reported To:

Barbara Buikema, General Manager

APPROVED:

Ken White, President



HAYASHI | WAYLAND

INDEPENDENT ACCOUNTANTS' REPORT

August 18, 2021

To the Board of Directors
Carmel Area Wastewater District

We have performed the procedures enumerated below, which were agreed to by Carmel Area Wastewater District (CAWD), solely to assist you in connection with a determination as to whether there were differences in the Company's recorded cash disbursements and recorded cash receipts for the month of July 2021. CAWD is responsible for its cash disbursements and cash receipts records. This agreed-upon procedures engagement was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. The sufficiency of these procedures is solely the responsibility of those parties specified in this report. Consequently, we make no representation regarding the sufficiency of the procedures described below either for the purpose for which this report has been requested or for any other purpose.

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

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

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





HAYASHI | WAYLAND

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

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

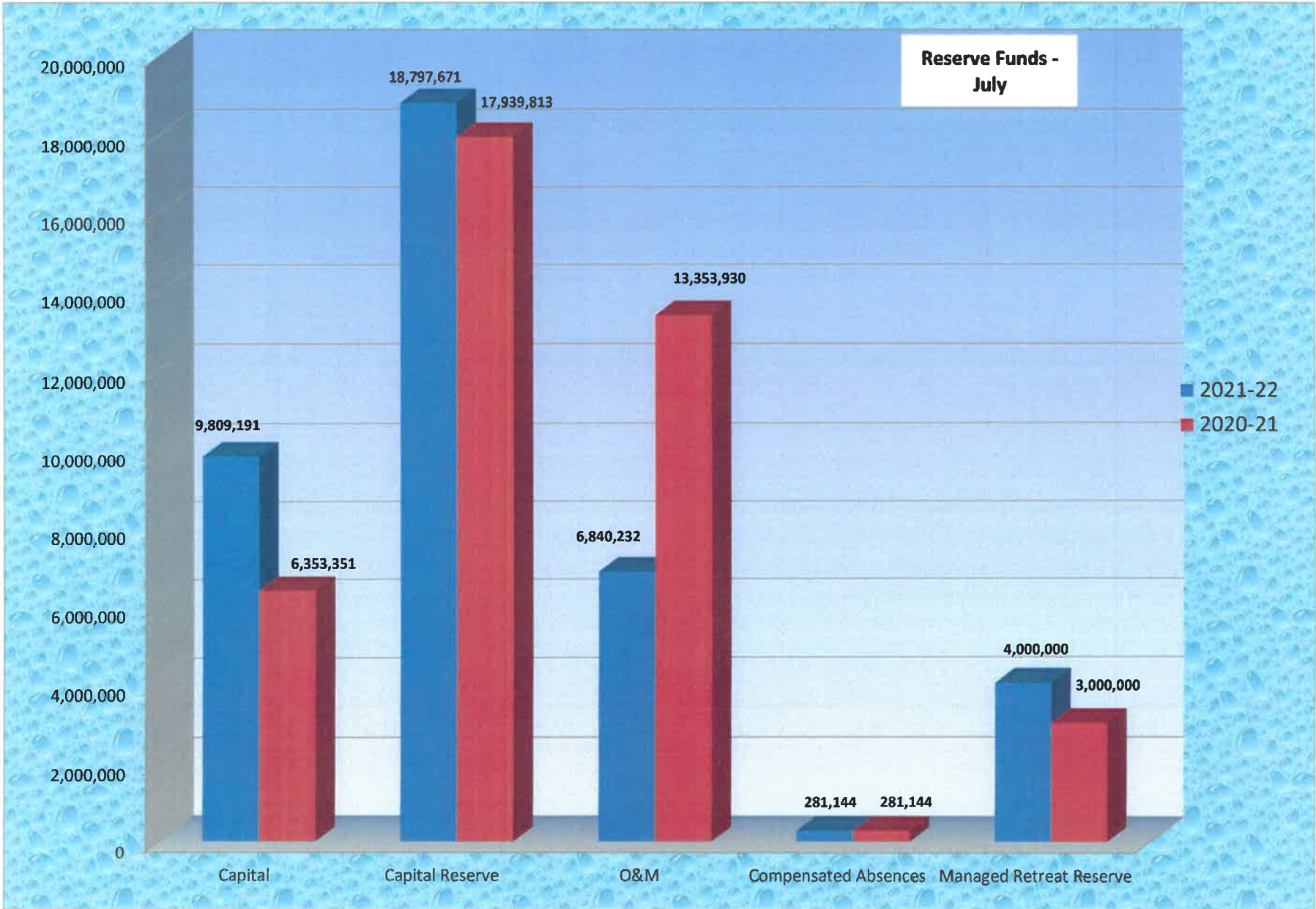
Robert Lee, CPA
Partner
Hayashi Wayland

Cc: Mr. Ken White, President



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

| | Capital Fund | Capital Improvement Reserve | General O & M Fund | Compensated Accruals Reserve | Defend or Managed Retreat Reserve | COUNTY Total Fund Balance | Chase Bank O & M Balance | Chase Bank PR Balance | L.A.I.F. Balance |
|---|------------------|-----------------------------------|-----------------------|------------------------------------|---|---------------------------------|--------------------------------|-----------------------------|---------------------|
| BALANCE BEGINNING OF MONTH | \$6,353,351 | \$17,939,813 | \$13,353,930 | \$281,144 | \$3,000,000 | \$40,928,238 | \$386,327 | \$124,610 | \$1,194,892 |
| Receipts: | | | | | | | | | |
| User Fees | | | | | | | | | |
| Property Taxes | | | | | | | | | |
| PBCSD Treatment Fees | | | | | | | | | |
| Reclamation O & M reimbursement | | | | | | | 51,838 | | |
| Reclamation capital billing | | | | | | | | | |
| Permits | | | | | | | 6,735 | | |
| PBCSD capital billing | | | | | | | | | |
| Other misc. revenue | | | | | | | 17,079 | | |
| Interest income | | | | | | | | | 976 |
| Connection Fees | | | | | | | 7,983 | | |
| CCLEAN receipts | | | | | | | 20,625 | | |
| CRFree Project grant funds | | | | | | | | | |
| CSRMA PLP ins. dividend | | | | | | | | | |
| Corona Road deposit | | | | | | | 2,100 | | |
| Void checks-replace lost check | | | | | | | | | |
| Total Receipts | 0 | 0 | 0 | 0 | 0 | 0 | 106,360 | 0 | 976 |
| Fund Transfers: | | | | | | | | | |
| Transfers to Chase Bank O&M | | (155,681) | (1,044,319) | | | | 1,300,000 | (100,000) | |
| Transfers to Chase Bank PR | | | | | | | (210,000) | 210,000 | |
| Transfer to Defend or Managed Retreat Fund | | (1,000,000) | | | 1,000,000 | | | | |
| Intra-fund transfers for capital expenditures | | | | | | | | | |
| Rebalance Capital and O&M Reserves | 3,455,840 | 2,013,539 | (5,469,379) | | | | | | |
| Total Transfers | 3,455,840 | 857,858 | (6,513,698) | 0 | 1,000,000 | (1,200,000) | 1,090,000 | 110,000 | 0 |
| Disbursements: | | | | | | | | | |
| Operations and capital | | | | | | | 964,733 | | |
| Payroll & payroll taxes | | | | | | | | 222,201 | |
| Employee Dental reimbursements | | | | | | | 11,081 | | |
| CALPERS EFT | | | | | | | 34,853 | | |
| CAWD SAM pension EFT | | | | | | | 0 | | |
| CAWD pension loans EFT | | | | | | | 587 | | |
| Home Depot EFT | | | | | | | 3,038 | | |
| US Bank EFT | | | | | | | 1,322 | | |
| Deferred comp contributions EFT | | | | | | | 13,016 | 0 | |
| PEHP contributions EFT | | | | | | | 3,195 | 0 | |
| Bank/ADP fees | | | | | | | 0 | 537 | |
| Highlands Bond Debt Service Payment | | | | | | | | | |
| Annual County admin billing fee | | | | | | | | | |
| Unfunded CALPERS liability | | | | | | | 2,842 | | |
| GASB 68 report fee & SSA 218 fee | | | | | | | | | |
| Total Disbursements | 0 | 0 | 0 | 0 | 0 | 0 | 1,034,667 | 222,737 | 0 |
| BALANCE END OF MONTH | 9,809,191 | 18,797,671 | 6,840,232 | 281,144 | 4,000,000 | 39,728,238 | 548,020 | 11,873 | 1,195,868 |



Carmel Area Wastewater District
Disbursements
Jul-21

| Date | Check | Vendor | Description | Amount |
|-------------|--------------|--|--|---------------|
| 07/01/21 | 1728 | Alliant Insurance Services Inc.-NPB Main | Annual premiums for the vehicles and government crime | 10,969.00 |
| 07/01/21 | 1729 | Allied Fluid Products | Operating supplies | 1,512.43 |
| 07/01/21 | 1730 | American Fidelity Assurance Company | Flex accounts | 111.53 |
| 07/01/21 | 1731 | American Fidelity Assurance | Employee insurance premiums | 586.16 |
| 07/01/21 | 1732 | Applied Marine Sciences | CCLEAN expenses | 117,957.41 |
| 07/01/21 | 1733 | AT&T CALNET 3 | Admin and Plant alarms | 78.34 |
| 07/01/21 | 1734 | AT&T | IP card and Plant fiber router | 204.42 |
| 07/01/21 | 1735 | Burleson Consulting, Inc. | Biological evaluation survey & report for the Eucalyptus Tree Trimming Project #21-01 | 4,608.00 |
| 07/01/21 | 1736 | Carmel Pine Cone | Legal notices | 364.00 |
| 07/01/21 | 1737 | Cintas Corporation | Laundry service | 751.56 |
| 07/01/21 | 1738 | Comcast | Admin internet | 234.05 |
| 07/01/21 | 1739 | CSRMA | Legal fees for Rio Rd. cross bore claim | 65.60 |
| 07/01/21 | 1740 | Culligan Water | C&I Exchange service for lab | 17.35 |
| 07/01/21 | 1741 | CWEA | Employee certificate renewal | 91.00 |
| 07/01/21 | 1742 | Del Monte Gardeners | Easement clearings | 7,000.00 |
| 07/01/21 | 1743 | Direct TV | Monthly service | 88.99 |
| 07/01/21 | 1744 | Edges Electrical | Electrical supplies | 211.50 |
| 07/01/21 | 1745 | Equitable Financial Life Insurance | Life insurance, long-term and short-term disability premiums | 2,645.09 |
| 07/01/21 | 1746 | Evantec Corporation | Lab supplies | 115.77 |
| 07/01/21 | 1747 | Exceedio | 2 laserjet printers and additional firewall and O365 licenses | 2,046.68 |
| 07/01/21 | 1748 | Fastenal Company | Operating supplies | 1,921.86 |
| 07/01/21 | 1749 | First Alarm | Quarterly alarm service | 552.39 |
| 07/01/21 | 1750 | Fisher Scientific | Lab supplies | 53.54 |
| 07/01/21 | 1751 | Frisch Engineering | SCADA and PLC engineering | 17,490.00 |
| 07/01/21 | 1752 | Got.Net | Domain parking | 24.20 |
| 07/01/21 | 1753 | Grainger | Operating supplies | 46.31 |
| 07/01/21 | 1754 | Gregory Ange | Dental | 960.00 |
| 07/01/21 | 1755 | Idexx Laboratories | Lab supplies | 53.52 |
| 07/01/21 | 1756 | Image Source | Quarterly Plant copier | 83.06 |
| 07/01/21 | 1757 | Jack Doheny Companies | Claw and wheel adapters | 497.05 |
| 07/01/21 | 1758 | Jason Veile | Employee certificate renewal | 150.00 |
| 07/01/21 | 1759 | Johnson Marigot Consulting | CRFREE Mitigation Pipeline Undergrounding project #19-21 | 37,698.47 |
| 07/01/21 | 1760 | Kennedy/Jenks Consultants | CRFREE Mitigation Pipeline Undergrounding project #19-21 and Elec/Mech Rehab & Sludge Holdg Tank Project #18-01 (CAPITAL \$7,835.00) | 26,976.05 |
| 07/01/21 | 1761 | Kristina Pacheco | COVID test kit | 42.01 |
| 07/01/21 | 1762 | Michael Skinkle-VOID | CWEA annual membership and certificate renewals-VOID | 0.00 |
| 07/01/21 | 1763 | Monterey Bay Analytical Services | Final sample analysis | 349.00 |
| 07/01/21 | 1764 | Monterey One Water | Annual grease education expense | 671.55 |
| 07/01/21 | 1765 | Monterey County Health Dept. | Annual health permits | 1,833.00 |
| 07/01/21 | 1766 | MRC Global (US) Inc. | Limitorque control station | 5,412.52 |

Carmel Area Wastewater District
Disbursements
Jul-21

| Date | Check | Vendor | Description | Amount |
|-------------|--------------|-------------------------------------|--|---------------|
| 07/01/21 | 1767 | MUFG Union Bank, N.A. | Annual admin fees for the bonds | 2,101.00 |
| 07/01/21 | 1768 | Patelco Credit Union | Health savings accounts contributions | 5,203.69 |
| 07/01/21 | 1769 | Pacific Gas & Electric | Co-gen billing | 481.95 |
| 07/01/21 | 1770 | Public Agency Coalition Enterprise | Health insurance premium | 33,068.22 |
| 07/01/21 | 1771 | Quill LLC | Office supplies | 216.20 |
| 07/01/21 | 1772 | Rincon Consultants | Upper Rancho Canada Pipe Relocation Project #19-13 (CAPITAL) | 1,612.25 |
| 07/01/21 | 1773 | S&D Dimaggio Construction | 50% remodel costs for the Ops building bathroom in the basement (CAPITAL) | 8,244.50 |
| 07/01/21 | 1774 | Sage Software | Annual renewal of the fixed asset software | 3,645.00 |
| 07/01/21 | 1775 | Scarborough Lumber & Building | Operating supplies | 135.11 |
| 07/01/21 | 1776 | Smitty's Janitorial | Monthly service | 1,110.00 |
| 07/01/21 | 1777 | Teledyne Instruments | Control panel and power supply assembly | 1,439.17 |
| 07/01/21 | 1778 | Toro Petroleum | Mobil oil | 756.25 |
| 07/01/21 | 1779 | Univar Solutions USA Inc. | Sodium hypochlorite and bisulfate | 9,315.36 |
| 07/01/21 | 1780 | Vision Service Plan | Vision insurance premium | 616.00 |
| 07/01/21 | 1781 | Weco Industries | Tiger tails and hooks for Collections | 1,651.99 |
| 07/01/21 | 1782 | WorkWell Medical Group | New hire physical | 344.00 |
| 07/02/21 | 1783 | Robert Bowman | Vacation buy back | 1,538.54 |
| 07/15/21 | 1784 | Accelerated Technology Laboratories | Annual renewal of the LIMS lab software support | 5,664.87 |
| 07/15/21 | 1785 | American Fidelity Assurance Company | Flex accounts | 111.53 |
| 07/15/21 | 1786 | American Fidelity Assurance | Employee insurance premiums | 586.16 |
| 07/15/21 | 1787 | American Lock & Key | Admin bathroom deadbolt and door handle | 692.74 |
| 07/15/21 | 1788 | AT&T Mobility | Cell and mobile device service | 672.57 |
| 07/15/21 | 1789 | AT&T CALNET 3 | Plant fiber | 617.66 |
| 07/15/21 | 1790 | AT&T | Admin alarm | 45.17 |
| 07/15/21 | 1791 | AT&T | Voice routing line | 52.14 |
| 07/15/21 | 1792 | Cal-Am Water | Monthly service | 1,966.59 |
| 07/15/21 | 1793 | Carmel Marina Corporation | Plant rollofs and admin garbage | 2,272.51 |
| 07/15/21 | 1794 | Carmel Pine Cone | Legal notices regarding new rates and the CRFree Mitigation Project #19-21 | 346.00 |
| 07/15/21 | 1795 | Cintas Corporation | Laundry service | 336.99 |
| 07/15/21 | 1796 | Clark Pest Control | Plant service | 279.00 |
| 07/15/21 | 1797 | Coastal Fabrication Company | Fabricate a 1/4" steel plate | 152.24 |
| 07/15/21 | 1798 | Comcast | Pump stations internet | 537.35 |
| 07/15/21 | 1799 | CSRMA | Annual renewal of property and worker's comp. policies | 153,421.15 |
| 07/15/21 | 1800 | D&D Compressor | Pneumatic 15hp pump | 1,532.44 |
| 07/15/21 | 1801 | Daryl Lauer | Dental | 906.00 |
| 07/15/21 | 1802 | Datco Services Corporation | Quarterly service fees | 200.75 |
| 07/15/21 | 1803 | DKF Solutions Group | Annual training for Overflow Emergency Response Plan (OERP) | 2,800.00 |
| 07/15/21 | 1804 | Edges Electrical | Galvanized steel conduit | 576.86 |
| 07/15/21 | 1805 | Edward Waggoner | Dental | 371.00 |
| 07/15/21 | 1806 | Exceedio | Annual renewal of the Managed Services for servers and SCADA | 77,643.06 |

Carmel Area Wastewater District
Disbursements
Jul-21

| Date | Check | Vendor | Description | Amount |
|-------------|--------------|-------------------------------------|--|---------------|
| 07/15/21 | 1807 | Frisch Engineering | SCADA and PLC engineering | 2,475.00 |
| 07/15/21 | 1808 | Green Infrastructure Design | Annual renewal of the TiGEO Portal Subscription GIS | 9,360.00 |
| 07/15/21 | 1809 | Hach Company | Lab supplies | 341.16 |
| 07/15/21 | 1810 | Harrington Industrial Plastics | Gasket | 52.75 |
| 07/15/21 | 1811 | Hayashi & Wayland Accounting | Bank reconciliation oversight | 375.00 |
| 07/15/21 | 1812 | ICON Cloud Solutions | Telephone service | 594.67 |
| 07/15/21 | 1813 | Johnson Associates | Tool box mat | 43.59 |
| 07/15/21 | 1814 | Liberty Composting | Sludge hauling | 6,348.00 |
| 07/15/21 | 1815 | Mainsaver Software | Annual renewal for software support | 4,455.00 |
| 07/15/21 | 1816 | MBS Business Systems | Admin copy machine billing | 908.84 |
| 07/15/21 | 1817 | OVERFLOW STUB | | 0.00 |
| 07/15/21 | 1818 | MNS Engineers | Carmel Highlands Yankee Point and Otter Cove study #19-04, Upper Rancho Canada Pipe Relocation Project #19-13 and Scenic Rd Pipe Bursting Project #20-08, (CAPITAL \$66,700.50) | 90,458.00 |
| 07/15/21 | 1819 | Monterey Bay Engineers | Corona Road Assessment District #18-21 (CAPITAL) | 10,500.00 |
| 07/15/21 | 1820 | Monterey County Assessor | Annual fee for the Custom Data Parcel for billing | 200.00 |
| 07/15/21 | 1821 | Murphy Austin Adams Schoenfeld LLP | Legal services-Monterey County option agreement-CRFREE Mitigation Pipeline Undergrounding project #19-21 | 1,347.00 |
| 07/15/21 | 1822 | Peninsula Welding & Medical Supply | Non-liquid cylinders rent | 103.20 |
| 07/15/21 | 1823 | Progressive Business Publications | Annual subscription for the Environmental Compliance Alert newsletter | 299.00 |
| 07/15/21 | 1824 | P S O M A S | Upper Rancho Canada Pipe Relocation Project #19-13 (CAPITAL) | 5,185.00 |
| 07/15/21 | 1825 | Pure Water | Monthly service | 169.00 |
| 07/15/21 | 1826 | Quill LLC | Office supplies | 480.24 |
| 07/15/21 | 1827 | Rachel Lather-Hidalgo | Dental | 90.00 |
| 07/15/21 | 1828 | Raymond DeOcampo | Dental | 940.00 |
| 07/15/21 | 1829 | Rockwell Solutions | Operating supplies | 3,296.51 |
| 07/15/21 | 1830 | Sherwin Williams Company | Paint and supplies | 164.54 |
| 07/15/21 | 1831 | Solenis LLC | Praestol K 144 L-NA IBC | 13,557.26 |
| 07/15/21 | 1832 | SRT Consultants | Carmel Meadows Gravity Sewer Project #19-03 final design and Bay/Scenic Pump Station Rehab Project #20-07 (CAPITAL) | 14,259.71 |
| 07/15/21 | 1833 | Stainless Distributors | Operating supplies | 4,311.35 |
| 07/15/21 | 1834 | Streamline | Website maintenance | 400.00 |
| 07/15/21 | 1835 | TITUS | 25 composite manhole covers and frames with gaskets and opening tools | 20,729.64 |
| 07/15/21 | 1836 | Town & Country Gardening | Monthly service | 650.00 |
| 07/15/21 | 1837 | Trevor Weidner-Holland | Dental | 144.00 |
| 07/15/21 | 1838 | Trident Environmental & Engineering | Cathodic Protection Project #21-03 testing and preliminary design | 6,936.42 |
| 07/15/21 | 1839 | ULINE | Stackable bins | 199.49 |
| 07/15/21 | 1840 | Univar Solutions USA Inc. | Sodium hypochlorite | 3,927.15 |
| 07/15/21 | 1841 | Wellington Law Offices | District legal services | 2,800.00 |
| 07/22/21 | 1842 | American Fidelity Assurance Company | Flex accounts | 111.53 |
| 07/22/21 | 1843 | Applied Marine Sciences | CCLEAN expenses | 3,396.16 |

Carmel Area Wastewater District
Disbursements
Jul-21

| Date | Check | Vendor | Description | Amount |
|-------------|--------------|--|---|-------------------|
| 07/22/21 | 1844 | Burleson Consulting, Inc. | Biological evaluation survey & report for the Eucalyptus Tree Trimming Project #21-01 | 5,952.00 |
| 07/22/21 | 1845 | Cal-Am Water | Monthly service | 100.14 |
| 07/22/21 | 1846 | CAWD/PBSCD Reclamation Project | Reimbursement for tertiary lab PG&E | 482.85 |
| 07/22/21 | 1847 | Cintas Corporation | Laundry service | 336.99 |
| 07/22/21 | 1848 | Coastal Fabrication Company | Welding a gas line | 440.00 |
| 07/22/21 | 1849 | Coastal Paving & Excavating | Asphalt road | 2,925.00 |
| 07/22/21 | 1850 | Conte's Generator Service | Solenoid valve kit | 472.20 |
| 07/22/21 | 1851 | Express Sewer & Drain | Rehab 8 manholes with Sprayroq Spraywall | 30,000.00 |
| 07/22/21 | 1852 | Fisher Scientific | Lab supplies | 1,181.74 |
| 07/22/21 | 1853 | Grainger | Lithium battery | 11.37 |
| 07/22/21 | 1854 | Green Rubber Kennedy | Rubber V-mat | 142.75 |
| 07/22/21 | 1855 | James Grover | Dental | 464.00 |
| 07/22/21 | 1856 | McMaster-Carr | Operating supplies | 71.97 |
| 07/22/21 | 1857 | MNS Engineers | Scenic Rd Pipe Bursting Ocean to Bay Project #20-08 and Pescadero Sewer Option Study (CAPITAL \$26,890.88) | 27,403.38 |
| 07/22/21 | 1858 | OVERFLOW STUB | | 0.00 |
| 07/22/21 | 1859 | Pacific Gas & Electric | Monthly service | 35,659.20 |
| 07/22/21 | 1860 | Rachel Lather-Hidalgo | Dental | 2,114.44 |
| 07/22/21 | 1861 | Robert Siegfried | Dental | 145.00 |
| 07/22/21 | 1862 | SIMA Barnyard LLC | Customer refund-restaurant not open | 3,513.44 |
| 07/22/21 | 1863 | Trevor Weidner-Holland | Dental | 2,000.00 |
| 07/22/21 | 1864 | YSI, a Xylem brand | Autotitrator Unit (CAPITAL) | 11,165.26 |
| 07/27/21 | 1865 | Alejandro Quintero | Reimburse for Coll. Sys. Maint. GR 1 certificate | 180.00 |
| 07/27/21 | 1866 | Alliant Insurance Services Inc.-NPB Main | Renew Commercial Cyber Liability policy | 4,956.00 |
| 07/27/21 | 1867 | Andrew Millington | Dental | 2,000.00 |
| 07/27/21 | 1868 | Applied Marine Sciences | June CCLEAN expenses | 15,565.81 |
| 07/27/21 | 1869 | Domine Barringer | Dental | 946.16 |
| 07/27/21 | 1870 | Great Valley Holdings LLC | Rate payer refund of 2020-21 user fees | 7,344.72 |
| 07/27/21 | 1871 | MNS Engineers | Carmel Highlands Yankee Point and Otter Cove study #19-04 and Upper Rancho Canada Pipe Relocation Project #19-13 (CAPITAL \$3,287.50) | 9,392.50 |
| 07/27/21 | 1872 | Monterey Bay Analytical Services | Final effluent sample analysis | 431.50 |
| 07/27/21 | 1873 | Public Agency Coalition Enterprise | Health insurance premium | 33,068.22 |
| | | | | 975,813.27 |

CAWD/PBCSD Reclamation Project
Disbursements
Jul-21

| Date | Check | Vendor | Description | Amount |
|-------------|--------------|--|---|-------------------|
| 07/01/21 | 314 | Brenntag Pacific | Ammonium hydroxide | 3,894.41 |
| 07/01/21 | 315 | Carmel Pine Cone | Bid notice for Sulfuric Acid Tank Project #18-26 (CAPITAL) | 182.00 |
| 07/01/21 | 316 | Carmel Area Wastewater District | Reimburse credit card charge for postage to notify Santa Cruz Coastal Commission of the Sulfuric Acid Tank Project #18-26 (CAPITAL) | 5.40 |
| 07/01/21 | 317 | Exceedio | Annual SCADA Managed Services renewal | 5,663.70 |
| 07/01/21 | 318 | Fastenal Company | Package of bungee cord steel hooks | 19.88 |
| 07/01/21 | 319 | Fisher Scientific | Lab supplies | 53.54 |
| 07/01/21 | 320 | Monterey Peninsula Water Management District | Semi-annual interest payment | 7,625.00 |
| 07/01/21 | 321 | Pebble Beach Company | Reimburse COP interest | 173.26 |
| 07/01/21 | 322 | Pacific Gas & Electric | MF/RO monthly service | 20,237.92 |
| 07/01/21 | 323 | Professional Water Technologies | Spectraguard360-275G antiscalant and the annual renewal fee for the InterlogX remote monitoring software | 17,143.98 |
| 07/01/21 | 324 | T&T Valve and Instrument | Check-Rite valve repair kit | 1,308.09 |
| 07/01/21 | 325 | Trussell Technologies | MF/RO Ops Support project | 1,907.50 |
| 07/01/21 | 326 | ULINE | 4-Step rolling step ladder | 566.49 |
| 07/01/21 | 327 | USA Blue Book | Four adhesive-backed Vertical rule | 64.51 |
| 07/15/21 | 328 | Accelerated Technology Laboratories | Annual renewal of LIMS lab software support | 5,664.87 |
| 07/15/21 | 329 | Grainger | Turbine ventilators | 348.83 |
| 07/15/21 | 330 | Hach Company | Lab supplies | 1,428.52 |
| 07/15/21 | 331 | Pebble Beach Company | Bond principal and interest, letter of credit fees current and past and project rep costs | 255,142.90 |
| 07/15/21 | 332 | Stifel Nicolaus & Company | Quarterly remarketing fees | 1,271.51 |
| 07/15/21 | 333 | Trucksis Enterprises-VOID, wrong vendor | MF/RO Ops Support project data review | 0.00 |
| 07/15/21 | 334 | Wellington Law Offices | RMC meeting and review | 209.00 |
| 07/22/21 | 335 | Brenntag Pacific | Ammonium hydroxide | 4,306.88 |
| 07/22/21 | 336 | Cal-Am Water | Hydrant Meter K monthly service | 2,453.17 |
| 07/22/21 | 337 | Carmel Area Wastewater District | O&M, aeration and secondary PG&E reimbursements | 51,832.63 |
| 07/22/21 | 338 | Fisher Scientific | Lab supplies | 45.68 |
| 07/22/21 | 339 | Pebble Beach Community Services District | O&M reimbursement | 50,161.38 |
| 07/22/21 | 340 | Pacific Gas & Electric | MF/RO and Tertiary service | 43,068.49 |
| 07/22/21 | 341 | Thermo Electron North America | Lab supplies | 3,088.74 |
| 07/22/21 | 342 | Trussell Technologies | MF/RO Ops Support project data review | 7,660.00 |
| 07/22/21 | 343 | USA Blue Book | Assembly suction cup | 41.51 |
| | | | | 485,569.79 |



**Financial Statements
and
Supplementary Schedules**

July 2021

August 26, 2021

Carmel Area Wastewater District

Balance Sheet

July 2021

| ASSETS | | | |
|------------------------------------|---------------|-----------------|---------------|
| Current Assets | | | |
| Cash | | | |
| Cash | 41,483,997.83 | | |
| TOTAL Cash | 41,483,997.83 | | 41,483,997.83 |
| Other Current Assets | | | |
| Other Current Assets | 678,335.66 | | |
| TOTAL Other Current Assets | 678,335.66 | | 678,335.66 |
| TOTAL Current Assets | | | 42,162,333.49 |
| Fixed Assets | | | |
| Land | | | |
| Land | 308,059.76 | | |
| TOTAL Land | 308,059.76 | | 308,059.76 |
| Treatment Structures | | | |
| Treatment Structures | 70,358,452.24 | | |
| TOTAL Treatment Structures | 70,358,452.24 | | 70,358,452.24 |
| Treatment Equipment | | | |
| Treatment Equipment | 8,658,126.21 | | |
| TOTAL Treatment Equipment | 8,658,126.21 | | 8,658,126.21 |
| Collection Structures | | | |
| Collection Structures | 1,238,843.71 | | |
| TOTAL Collection Structures | 1,238,843.71 | | 1,238,843.71 |
| Collection Equipment | | | |
| Collection Equipment | 1,047,801.66 | | |
| TOTAL Collection Equipment | 1,047,801.66 | | 1,047,801.66 |
| Sewers | | | 11,119,419.83 |
| Disposal Facilities | | | |
| Disposal Facilities | 1,643,890.85 | | |
| TOTAL Disposal Facilities | 1,643,890.85 | | 1,643,890.85 |
| Other Fixed Assets | | | |
| Other Fixed Assets | 4,478,694.65 | | |
| TOTAL Other Fixed Assets | 4,478,694.65 | | 4,478,694.65 |
| Capital Improvement Projects | | | |
| Capital Improvement Projects | 4,525,526.97 | | |
| TOTAL Capital Improvement Projects | 4,525,526.97 | | 4,525,526.97 |
| Accumulated depreciation | | (53,738,397.63) | |
| TOTAL Fixed Assets | | | 49,640,418.25 |
| Other Assets | | | |
| Other Assets | | 1,123,171.33 | |
| TOTAL Other Assets | | 1,123,171.33 | 1,123,171.33 |
| TOTAL ASSETS | | | 92,925,923.07 |

Carmel Area Wastewater District

Balance Sheet

July 2021

LIABILITIES

| | | |
|----------------------------------|----------------------|----------------------|
| Current Liabilities | | |
| Current Liabilities | 663,597.21 | |
| TOTAL Current Liabilities | <u>663,597.21</u> | 663,597.21 |
| Long-Term Liabilities | | |
| Long Term Liabilities | 710,957.04 | |
| TOTAL Long-Term Liabilities | <u>710,957.04</u> | 710,957.04 |
| TOTAL LIABILITIES | | <u>1,374,554.25</u> |
| | | |
| | NET POSITION | |
| Net Assets | 92,062,399.01 | |
| Year-to-Date Earnings | (511,030.19) | |
| | <u>91,551,368.82</u> | |
| TOTAL NET POSITION | | 91,551,368.82 |
| | | |
| TOTAL LIABILITIES & NET POSITION | | <u>92,925,923.07</u> |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|----------------------------------|---|--|-------------------------------------|--------------|
| Income | | | | |
| Revenue | 210,765.83 | 156,950.83 | 53,815.00 | 34.3 % |
| TOTAL Income | <u>210,765.83</u> | <u>156,950.83</u> | <u>53,815.00</u> | 34.3 % |
| Adjustments | | | | |
| Discounts | 2.47 | 0.00 | 2.47 | |
| TOTAL Adjustments | <u>2.47</u> | <u>0.00</u> | <u>2.47</u> | |
| ***** | <u>210,768.30</u> | <u>156,950.83</u> | <u>53,817.47</u> | 34.3 % |
| ***** OPERATING INCOME | <u>210,768.30</u> | <u>156,950.83</u> | <u>53,817.47</u> | 34.3 % |
| Operating Expenses | | | | |
| Salaries and Payroll Taxes | | | | |
| Salaries and Payroll Taxes | 271,543.39 | 267,791.11 | (3,752.28) | -1.4 % |
| TOTAL Salaries and Payroll Taxes | <u>271,543.39</u> | <u>267,791.11</u> | <u>(3,752.28)</u> | -1.4 % |
| Employee Benefits | | | | |
| Employee Benefits | 111,440.60 | 178,547.63 | 67,107.03 | 37.6 % |
| TOTAL Employee Benefits | <u>111,440.60</u> | <u>178,547.63</u> | <u>67,107.03</u> | 37.6 % |
| Director's Expenses | | | | |
| Director's Expenses | 1,711.00 | 2,825.00 | 1,114.00 | 39.4 % |
| TOTAL Director's Expenses | <u>1,711.00</u> | <u>2,825.00</u> | <u>1,114.00</u> | 39.4 % |
| Truck and Auto Expenses | | | | |
| Truck and Auto Expenses | 11,065.63 | 14,587.93 | 3,522.30 | 24.1 % |
| TOTAL Truck and Auto Expenses | <u>11,065.63</u> | <u>14,587.93</u> | <u>3,522.30</u> | 24.1 % |
| General and Administrative | | | | |
| General and Administrative | 104,469.15 | 128,550.00 | 24,080.85 | 18.7 % |
| TOTAL General and Administrative | <u>104,469.15</u> | <u>128,550.00</u> | <u>24,080.85</u> | 18.7 % |
| Office Expense | | | | |
| Office Expense | 1,863.14 | 4,581.24 | 2,718.10 | 59.3 % |
| TOTAL Office Expense | <u>1,863.14</u> | <u>4,581.24</u> | <u>2,718.10</u> | 59.3 % |
| Operating Supplies | | | | |
| Operating Supplies | 27,526.62 | 40,866.02 | 13,339.40 | 32.6 % |
| TOTAL Operating Supplies | <u>27,526.62</u> | <u>40,866.02</u> | <u>13,339.40</u> | 32.6 % |
| Contract Services | | | | |
| Contract Services | 136,605.94 | 241,140.38 | 104,534.44 | 43.4 % |
| TOTAL Contract Services | <u>136,605.94</u> | <u>241,140.38</u> | <u>104,534.44</u> | 43.4 % |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|--|---|--|-------------------------------------|--------------|
| Repairs and Maintenance | | | | |
| Repairs and Maintenance | 23,482.52 | 63,062.50 | 39,579.98 | 62.8 % |
| TOTAL Repairs and Maintenance | <u>23,482.52</u> | <u>63,062.50</u> | <u>39,579.98</u> | 62.8 % |
| Utilities | | | | |
| Utilities | 31,205.17 | 38,422.33 | 7,217.16 | 18.8 % |
| TOTAL Utilities | <u>31,205.17</u> | <u>38,422.33</u> | <u>7,217.16</u> | 18.8 % |
| Travel and Meetings | | | | |
| Travel and Meetings | 2,538.52 | 4,577.91 | 2,039.39 | 44.5 % |
| TOTAL Travel and Meetings | <u>2,538.52</u> | <u>4,577.91</u> | <u>2,039.39</u> | 44.5 % |
| Memberships and Subscriptions | | | | |
| Memberships and Subscriptions | 895.10 | 1,078.33 | 183.23 | 17.0 % |
| TOTAL Memberships and Subscriptions | <u>895.10</u> | <u>1,078.33</u> | <u>183.23</u> | 17.0 % |
| Safety | | | | |
| Safety | 2,057.47 | 4,084.18 | 2,026.71 | 49.6 % |
| TOTAL Safety | <u>2,057.47</u> | <u>4,084.18</u> | <u>2,026.71</u> | 49.6 % |
| Other Expenses | | | | |
| Other Expense | 60.00 | 375.01 | 315.01 | 84.0 % |
| TOTAL Other Expenses | <u>60.00</u> | <u>375.01</u> | <u>315.01</u> | 84.0 % |
| TOTAL Operating Expenses | <u>726,464.25</u> | <u>990,489.57</u> | <u>264,025.32</u> | 26.7 % |
| ***** OPERATING INCOME (LOSS) | <u>(515,695.95)</u> | <u>(833,538.74)</u> | <u>317,842.79</u> | 38.1 % |
| Non-op Income, Expense, Gain or Loss | | | | |
| Other Income or Gain | | | | |
| Other Income, Gain, Expense and Loss | 4,665.76 | 0.00 | 4,665.76 | |
| TOTAL Other Income or Gain | <u>4,665.76</u> | <u>0.00</u> | <u>4,665.76</u> | |
| TOTAL Non-op Income, Expense, Gain or Loss | <u>4,665.76</u> | <u>0.00</u> | <u>4,665.76</u> | |
| ***** NET INCOME (LOSS) | <u>(511,030.19)</u> | <u>(833,538.74)</u> | <u>322,508.55</u> | 38.7 % |
| ***** NET INCOME (LOSS) | <u>(511,030.19)</u> | <u>(833,538.74)</u> | <u>322,508.55</u> | 38.7 % |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|----------------------------------|---|--|-------------------------------------|--------------|
| ***** | 0.00 | 0.00 | 0.00 | |
| ***** OPERATING INCOME | 0.00 | 0.00 | 0.00 | |
| Operating Expenses | | | | |
| Salaries and Payroll Taxes | | | | |
| Salaries and Payroll Taxes | 38,970.91 | 40,398.39 | 1,427.48 | 3.5 % |
| TOTAL Salaries and Payroll Taxes | 38,970.91 | 40,398.39 | 1,427.48 | 3.5 % |
| Employee Benefits | | | | |
| Employee Benefits | 20,013.73 | 35,113.21 | 15,099.48 | 43.0 % |
| TOTAL Employee Benefits | 20,013.73 | 35,113.21 | 15,099.48 | 43.0 % |
| Truck and Auto Expenses | | | | |
| Truck and Auto Expenses | 0.00 | 694.17 | 694.17 | 100.0 % |
| TOTAL Truck and Auto Expenses | 0.00 | 694.17 | 694.17 | 100.0 % |
| General and Administrative | | | | |
| General and Administrative | 1,543.57 | 3,583.33 | 2,039.76 | 56.9 % |
| TOTAL General and Administrative | 1,543.57 | 3,583.33 | 2,039.76 | 56.9 % |
| Office Expense | | | | |
| Office Expense | 38.78 | 187.50 | 148.72 | 79.3 % |
| TOTAL Office Expense | 38.78 | 187.50 | 148.72 | 79.3 % |
| Operating Supplies | | | | |
| Operating Supplies | 633.44 | 4,775.02 | 4,141.58 | 86.7 % |
| TOTAL Operating Supplies | 633.44 | 4,775.02 | 4,141.58 | 86.7 % |
| Contract Services | | | | |
| Contract Services | 26,711.32 | 67,858.34 | 41,147.02 | 60.6 % |
| TOTAL Contract Services | 26,711.32 | 67,858.34 | 41,147.02 | 60.6 % |
| Repairs and Maintenance | | | | |
| Repairs and Maintenance | 9,959.31 | 18,916.66 | 8,957.35 | 47.4 % |
| TOTAL Repairs and Maintenance | 9,959.31 | 18,916.66 | 8,957.35 | 47.4 % |
| Utilities | | | | |
| Utilities | 456.14 | 391.67 | (64.47) | -16.5 % |
| TOTAL Utilities | 456.14 | 391.67 | (64.47) | -16.5 % |
| Travel and Meetings | | | | |
| Travel and Meetings | 681.94 | 533.33 | (148.61) | -27.9 % |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|-------------------------------------|---|--|-------------------------------------|--------------|
| TOTAL Travel and Meetings | 681.94 | 533.33 | (148.61) | -27.9 % |
| Memberships and Subscriptions | | | | |
| Memberships and Subscriptions | 101.00 | 200.00 | 99.00 | 49.5 % |
| TOTAL Memberships and Subscriptions | 101.00 | 200.00 | 99.00 | 49.5 % |
| Safety | | | | |
| Safety | 1,691.28 | 2,600.01 | 908.73 | 35.0 % |
| TOTAL Safety | 1,691.28 | 2,600.01 | 908.73 | 35.0 % |
| TOTAL Operating Expenses | 100,801.42 | 175,251.63 | 74,450.21 | 42.5 % |
| ***** OPERATING INCOME (LOSS) | (100,801.42) | (175,251.63) | 74,450.21 | 42.5 % |
| ***** NET INCOME (LOSS) | (100,801.42) | (175,251.63) | 74,450.21 | 42.5 % |
| ***** NET INCOME (LOSS) | (100,801.42) | (175,251.63) | 74,450.21 | 42.5 % |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|----------------------------------|---|--|-------------------------------------|--------------|
| ***** | 0.00 | 0.00 | 0.00 | |
| ***** OPERATING INCOME | 0.00 | 0.00 | 0.00 | |
| Operating Expenses | | | | |
| Salaries and Payroll Taxes | | | | |
| Salaries and Payroll Taxes | 51,132.79 | 46,638.54 | (4,494.25) | -9.6 % |
| TOTAL Salaries and Payroll Taxes | 51,132.79 | 46,638.54 | (4,494.25) | -9.6 % |
| Employee Benefits | | | | |
| Employee Benefits | 26,250.71 | 37,465.96 | 11,215.25 | 29.9 % |
| TOTAL Employee Benefits | 26,250.71 | 37,465.96 | 11,215.25 | 29.9 % |
| Truck and Auto Expenses | | | | |
| Truck and Auto Expenses | 9,309.46 | 10,870.84 | 1,561.38 | 14.4 % |
| TOTAL Truck and Auto Expenses | 9,309.46 | 10,870.84 | 1,561.38 | 14.4 % |
| General and Administrative | | | | |
| General and Administrative | 9,807.70 | 22,916.67 | 13,108.97 | 57.2 % |
| TOTAL General and Administrative | 9,807.70 | 22,916.67 | 13,108.97 | 57.2 % |
| Office Expense | | | | |
| Office Expense | 79.45 | 783.33 | 703.88 | 89.9 % |
| TOTAL Office Expense | 79.45 | 783.33 | 703.88 | 89.9 % |
| Operating Supplies | | | | |
| Operating Supplies | 4,821.06 | 3,266.66 | (1,554.40) | -47.6 % |
| TOTAL Operating Supplies | 4,821.06 | 3,266.66 | (1,554.40) | -47.6 % |
| Contract Services | | | | |
| Contract Services | 24,689.83 | 39,525.00 | 14,835.17 | 37.5 % |
| TOTAL Contract Services | 24,689.83 | 39,525.00 | 14,835.17 | 37.5 % |
| Repairs and Maintenance | | | | |
| Repairs and Maintenance | 6,977.13 | 36,958.34 | 29,981.21 | 81.1 % |
| TOTAL Repairs and Maintenance | 6,977.13 | 36,958.34 | 29,981.21 | 81.1 % |
| Utilities | | | | |
| Utilities | 3,557.12 | 3,858.33 | 301.21 | 7.8 % |
| TOTAL Utilities | 3,557.12 | 3,858.33 | 301.21 | 7.8 % |
| Travel and Meetings | | | | |
| Travel and Meetings | 916.38 | 1,367.08 | 450.70 | 33.0 % |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|-------------------------------------|---|--|-------------------------------------|--------------|
| TOTAL Travel and Meetings | 916.38 | 1,367.08 | 450.70 | 33.0 % |
| Memberships and Subscriptions | | | | |
| Memberships and Subscriptions | 0.00 | 331.67 | 331.67 | 100.0 % |
| TOTAL Memberships and Subscriptions | 0.00 | 331.67 | 331.67 | 100.0 % |
| Safety | | | | |
| Safety | 366.19 | 1,234.17 | 867.98 | 70.3 % |
| TOTAL Safety | 366.19 | 1,234.17 | 867.98 | 70.3 % |
| Other Expenses | | | | |
| Other Expense | 0.00 | 41.67 | 41.67 | 100.0 % |
| TOTAL Other Expenses | 0.00 | 41.67 | 41.67 | 100.0 % |
| TOTAL Operating Expenses | 137,907.82 | 205,258.26 | 67,350.44 | 32.8 % |
| ***** OPERATING INCOME (LOSS) | (137,907.82) | (205,258.26) | 67,350.44 | 32.8 % |
| | | | | |
| ***** NET INCOME (LOSS) | (137,907.82) | (205,258.26) | 67,350.44 | 32.8 % |
| | | | | |
| ***** NET INCOME (LOSS) | (137,907.82) | (205,258.26) | 67,350.44 | 32.8 % |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|-----------------------------------|---|--|-------------------------------------|--------------|
| ***** | 0.00 | 0.00 | 0.00 | |
| ***** OPERATING INCOME | 0.00 | 0.00 | 0.00 | |
| Operating Expenses | | | | |
| Salaries and Payroll Taxes | | | | |
| <i>Salaries and Payroll Taxes</i> | 87,546.34 | 87,753.47 | 207.13 | 0.2 % |
| TOTAL Salaries and Payroll Taxes | 87,546.34 | 87,753.47 | 207.13 | 0.2 % |
| Employee Benefits | | | | |
| <i>Employee Benefits</i> | 42,976.51 | 76,553.22 | 33,576.71 | 43.9 % |
| TOTAL Employee Benefits | 42,976.51 | 76,553.22 | 33,576.71 | 43.9 % |
| Truck and Auto Expenses | | | | |
| <i>Truck and Auto Expenses</i> | 1,530.52 | 1,600.00 | 69.48 | 4.3 % |
| TOTAL Truck and Auto Expenses | 1,530.52 | 1,600.00 | 69.48 | 4.3 % |
| General and Administrative | | | | |
| <i>General and Administrative</i> | 66,142.36 | 93,916.67 | 27,774.31 | 29.6 % |
| TOTAL General and Administrative | 66,142.36 | 93,916.67 | 27,774.31 | 29.6 % |
| Office Expense | | | | |
| <i>Office Expense</i> | 1,194.77 | 2,191.66 | 996.89 | 45.5 % |
| TOTAL Office Expense | 1,194.77 | 2,191.66 | 996.89 | 45.5 % |
| Operating Supplies | | | | |
| <i>Operating Supplies</i> | 21,859.74 | 31,449.34 | 9,589.60 | 30.5 % |
| TOTAL Operating Supplies | 21,859.74 | 31,449.34 | 9,589.60 | 30.5 % |
| Contract Services | | | | |
| <i>Contract Services</i> | 67,299.56 | 102,366.66 | 35,067.10 | 34.3 % |
| TOTAL Contract Services | 67,299.56 | 102,366.66 | 35,067.10 | 34.3 % |
| Repairs and Maintenance | | | | |
| <i>Repairs and Maintenance</i> | 5,695.23 | 5,954.16 | 258.93 | 4.3 % |
| TOTAL Repairs and Maintenance | 5,695.23 | 5,954.16 | 258.93 | 4.3 % |
| Utilities | | | | |
| <i>Utilities</i> | 25,103.28 | 32,249.99 | 7,146.71 | 22.2 % |
| TOTAL Utilities | 25,103.28 | 32,249.99 | 7,146.71 | 22.2 % |
| Travel and Meetings | | | | |
| <i>Travel and Meetings</i> | 0.00 | 1,285.83 | 1,285.83 | 100.0 % |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|-------------------------------------|---|--|-------------------------------------|--------------|
| TOTAL Travel and Meetings | 0.00 | 1,285.83 | 1,285.83 | 100.0 % |
| Memberships and Subscriptions | | | | |
| Memberships and Subscriptions | 405.05 | 484.16 | 79.11 | 16.3 % |
| TOTAL Memberships and Subscriptions | 405.05 | 484.16 | 79.11 | 16.3 % |
| Other Expenses | | | | |
| Other Expense | 0.00 | 166.67 | 166.67 | 100.0 % |
| TOTAL Other Expenses | 0.00 | 166.67 | 166.67 | 100.0 % |
| TOTAL Operating Expenses | 319,753.36 | 435,971.83 | 116,218.47 | 26.7 % |
| ***** OPERATING INCOME (LOSS) | (319,753.36) | (435,971.83) | 116,218.47 | 26.7 % |
| | | | | |
| ***** NET INCOME (LOSS) | (319,753.36) | (435,971.83) | 116,218.47 | 26.7 % |
| | | | | |
| ***** NET INCOME (LOSS) | (319,753.36) | (435,971.83) | 116,218.47 | 26.7 % |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|-----------------------------------|---|--|-------------------------------------|--------------|
| ***** | 0.00 | 0.00 | 0.00 | |
| ***** OPERATING INCOME | 0.00 | 0.00 | 0.00 | |
| Operating Expenses | | | | |
| Salaries and Payroll Taxes | | | | |
| <i>Salaries and Payroll Taxes</i> | 49,637.79 | 46,921.77 | (2,716.02) | -5.8 % |
| TOTAL Salaries and Payroll Taxes | 49,637.79 | 46,921.77 | (2,716.02) | -5.8 % |
| Employee Benefits | | | | |
| <i>Employee Benefits</i> | 22,199.65 | 29,415.24 | 7,215.59 | 24.5 % |
| TOTAL Employee Benefits | 22,199.65 | 29,415.24 | 7,215.59 | 24.5 % |
| Director's Expenses | | | | |
| <i>Director's Expenses</i> | 1,711.00 | 2,825.00 | 1,114.00 | 39.4 % |
| TOTAL Director's Expenses | 1,711.00 | 2,825.00 | 1,114.00 | 39.4 % |
| Truck and Auto Expenses | | | | |
| <i>Truck and Auto Expenses</i> | 225.65 | 1,422.92 | 1,197.27 | 84.1 % |
| TOTAL Truck and Auto Expenses | 225.65 | 1,422.92 | 1,197.27 | 84.1 % |
| General and Administrative | | | | |
| <i>General and Administrative</i> | 5,025.82 | 8,133.33 | 3,107.51 | 38.2 % |
| TOTAL General and Administrative | 5,025.82 | 8,133.33 | 3,107.51 | 38.2 % |
| Office Expense | | | | |
| <i>Office Expense</i> | 550.14 | 1,416.67 | 866.53 | 61.2 % |
| TOTAL Office Expense | 550.14 | 1,416.67 | 866.53 | 61.2 % |
| Operating Supplies | | | | |
| <i>Operating Supplies</i> | 179.00 | 150.00 | (29.00) | -19.3 % |
| TOTAL Operating Supplies | 179.00 | 150.00 | (29.00) | -19.3 % |
| Contract Services | | | | |
| <i>Contract Services</i> | 17,807.86 | 31,390.38 | 13,582.52 | 43.3 % |
| TOTAL Contract Services | 17,807.86 | 31,390.38 | 13,582.52 | 43.3 % |
| Repairs and Maintenance | | | | |
| <i>Repairs and Maintenance</i> | 692.74 | 416.67 | (276.07) | -66.3 % |
| TOTAL Repairs and Maintenance | 692.74 | 416.67 | (276.07) | -66.3 % |
| Utilities | | | | |
| <i>Utilities</i> | 2,066.80 | 1,922.34 | (144.46) | -7.5 % |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|-------------------------------------|---|--|-------------------------------------|--------------|
| TOTAL Utilities | 2,066.80 | 1,922.34 | (144.46) | -7.5 % |
| Travel and Meetings | | | | |
| Travel and Meetings | 940.20 | 1,391.67 | 451.47 | 32.4 % |
| TOTAL Travel and Meetings | 940.20 | 1,391.67 | 451.47 | 32.4 % |
| Memberships and Subscriptions | | | | |
| Memberships and Subscriptions | 389.05 | 62.50 | (326.55) | -522.5 % |
| TOTAL Memberships and Subscriptions | 389.05 | 62.50 | (326.55) | -522.5 % |
| Safety | | | | |
| Safety | 0.00 | 125.00 | 125.00 | 100.0 % |
| TOTAL Safety | 0.00 | 125.00 | 125.00 | 100.0 % |
| Other Expenses | | | | |
| Other Expense | 60.00 | 166.67 | 106.67 | 64.0 % |
| TOTAL Other Expenses | 60.00 | 166.67 | 106.67 | 64.0 % |
| TOTAL Operating Expenses | 101,485.70 | 125,760.16 | 24,274.46 | 19.3 % |
| ***** OPERATING INCOME (LOSS) | (101,485.70) | (125,760.16) | 24,274.46 | 19.3 % |
| | | | | |
| ***** NET INCOME (LOSS) | (101,485.70) | (125,760.16) | 24,274.46 | 19.3 % |
| | | | | |
| ***** NET INCOME (LOSS) | (101,485.70) | (125,760.16) | 24,274.46 | 19.3 % |

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

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|-----------------------------------|---|--|-------------------------------------|--------------|
| ***** | 0.00 | 0.00 | 0.00 | |
| ***** OPERATING INCOME | 0.00 | 0.00 | 0.00 | |
| Operating Expenses | | | | |
| Salaries and Payroll Taxes | | | | |
| <i>Salaries and Payroll Taxes</i> | 44,244.04 | 45,854.61 | 1,610.57 | 3.5 % |
| TOTAL Salaries and Payroll Taxes | 44,244.04 | 45,854.61 | 1,610.57 | 3.5 % |
| General and Administrative | | | | |
| <i>General and Administrative</i> | 21,949.70 | 0.00 | (21,949.70) | |
| TOTAL General and Administrative | 21,949.70 | 0.00 | (21,949.70) | |
| Operating Supplies | | | | |
| <i>Operating Supplies</i> | 33.38 | 708.33 | 674.95 | 95.3 % |
| TOTAL Operating Supplies | 33.38 | 708.33 | 674.95 | 95.3 % |
| Contract Services | | | | |
| <i>Contract Services</i> | 97.37 | 0.00 | (97.37) | |
| TOTAL Contract Services | 97.37 | 0.00 | (97.37) | |
| Repairs and Maintenance | | | | |
| <i>Repairs and Maintenance</i> | 158.11 | 358.33 | 200.22 | 55.9 % |
| TOTAL Repairs and Maintenance | 158.11 | 358.33 | 200.22 | 55.9 % |
| Utilities | | | | |
| <i>Utilities</i> | 21.83 | 0.00 | (21.83) | |
| TOTAL Utilities | 21.83 | 0.00 | (21.83) | |
| Safety | | | | |
| <i>Safety</i> | 0.00 | 125.00 | 125.00 | 100.0 % |
| TOTAL Safety | 0.00 | 125.00 | 125.00 | 100.0 % |
| TOTAL Operating Expenses | 66,504.43 | 47,046.27 | (19,458.16) | -41.4 % |
| ***** OPERATING INCOME (LOSS) | (66,504.43) | (47,046.27) | (19,458.16) | -41.4 % |
| ***** NET INCOME (LOSS) | (66,504.43) | (47,046.27) | (19,458.16) | -41.4 % |

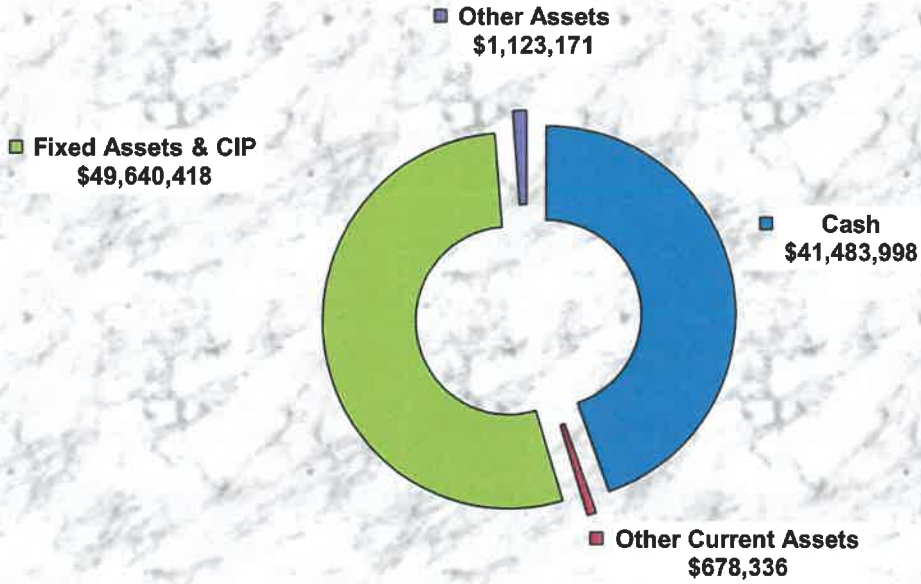
Carmel Area Wastewater District
Budgeted Income Stmt.-Waste to Energy
Year-to-Date Variance, July 2021 - current month, Consolidated by
account, Department 9

| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|----------------------------------|---|--|-------------------------------------|----------------|
| Income | | | | |
| Revenue | 425.00 | 416.67 | 8.33 | 2.0 % |
| TOTAL Income | <u>425.00</u> | <u>416.67</u> | <u>8.33</u> | <u>2.0 %</u> |
| ***** | <u>425.00</u> | <u>416.67</u> | <u>8.33</u> | <u>2.0 %</u> |
| ***** OPERATING INCOME | <u>425.00</u> | <u>416.67</u> | <u>8.33</u> | <u>2.0 %</u> |
| Operating Expenses | | | | |
| Salaries and Payroll Taxes | | | | |
| Salaries and Payroll Taxes | 11.52 | 89.75 | 78.23 | 87.2 % |
| TOTAL Salaries and Payroll Taxes | <u>11.52</u> | <u>89.75</u> | <u>78.23</u> | <u>87.2 %</u> |
| Operating Supplies | | | | |
| Operating Supplies | 0.00 | 416.67 | 416.67 | 100.0 % |
| TOTAL Operating Supplies | <u>0.00</u> | <u>416.67</u> | <u>416.67</u> | <u>100.0 %</u> |
| Repairs and Maintenance | | | | |
| Repairs and Maintenance | 0.00 | 250.00 | 250.00 | 100.0 % |
| TOTAL Repairs and Maintenance | <u>0.00</u> | <u>250.00</u> | <u>250.00</u> | <u>100.0 %</u> |
| TOTAL Operating Expenses | <u>11.52</u> | <u>756.42</u> | <u>744.90</u> | <u>98.5 %</u> |
| ***** OPERATING INCOME (LOSS) | <u>413.48</u> | <u>(339.75)</u> | <u>753.23</u> | <u>221.7 %</u> |
| ***** NET INCOME (LOSS) | <u>413.48</u> | <u>(339.75)</u> | <u>753.23</u> | <u>221.7 %</u> |
| ***** NET INCOME (LOSS) | <u>413.48</u> | <u>(339.75)</u> | <u>753.23</u> | <u>221.7 %</u> |

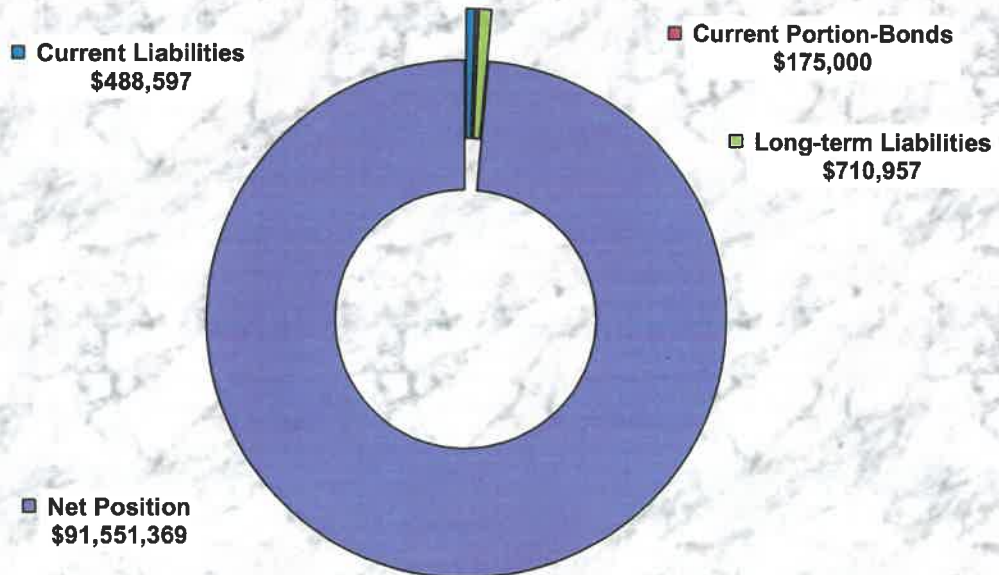
Carmel Area Wastewater District
Budgeted Income Stmt.-Brine Disposal
*Year-to-Date Variance, July 2021 - current month, Consolidated by
account, Department 10*

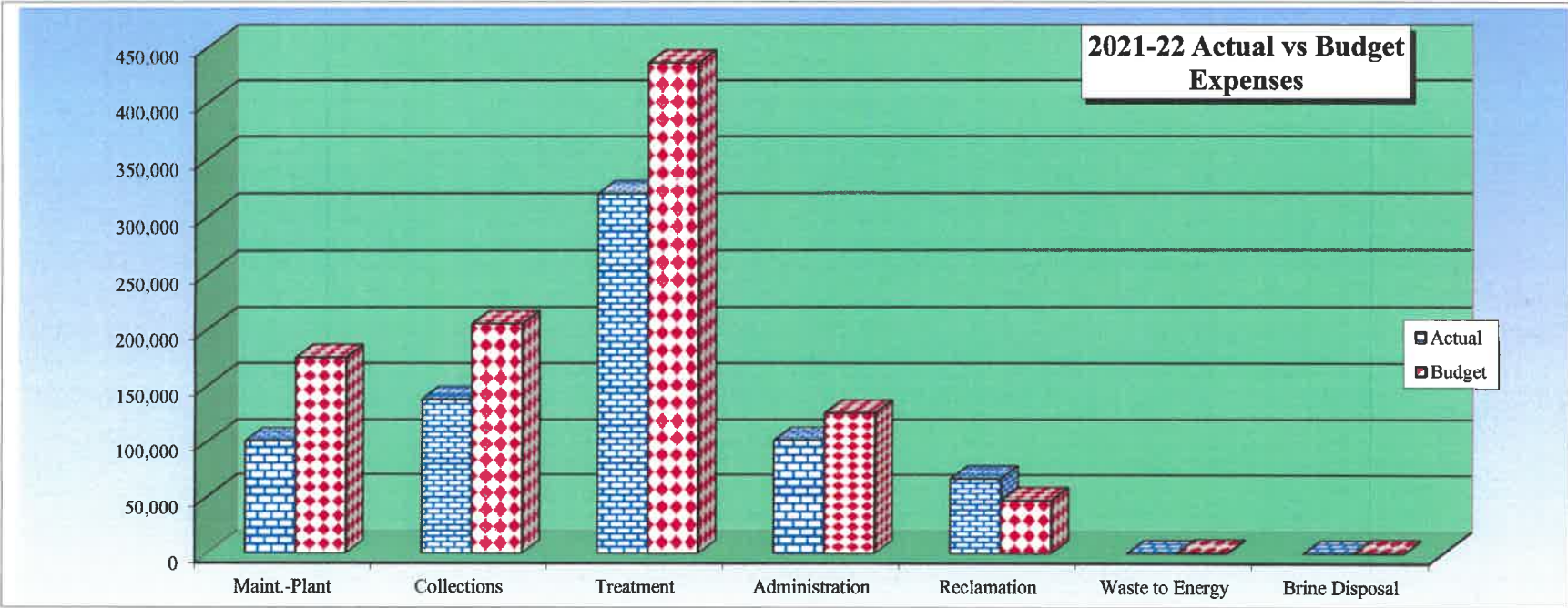
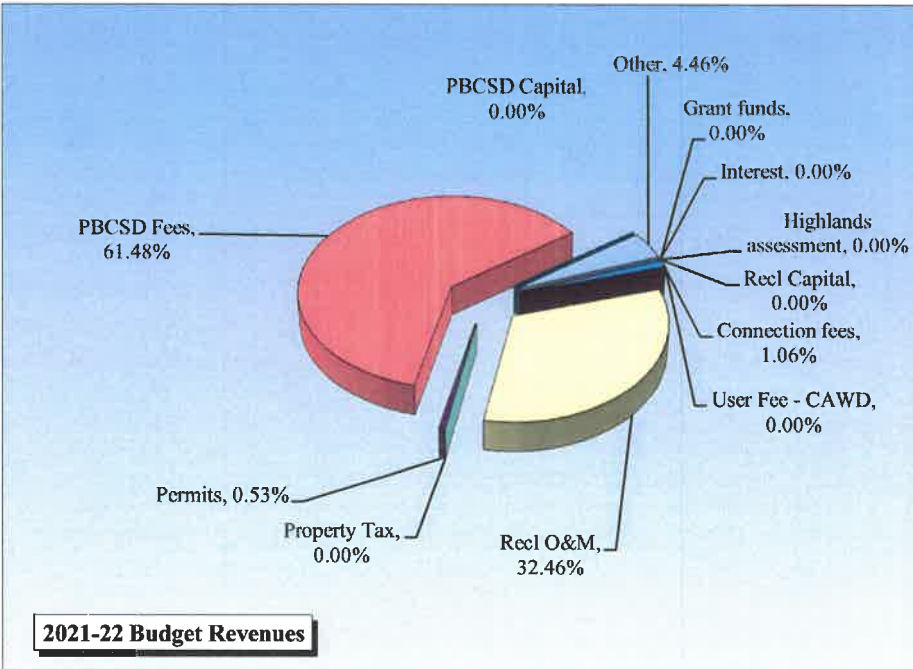
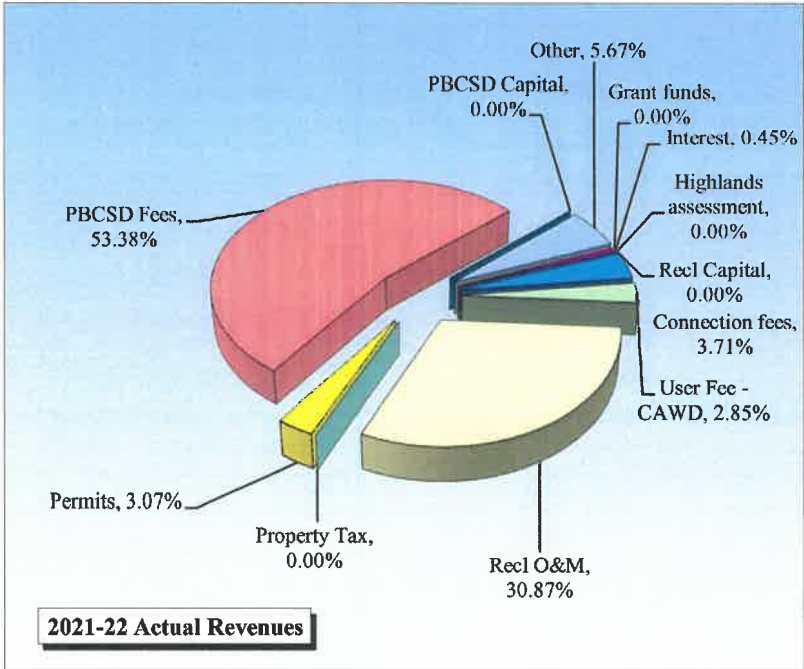
| | <i>1 Months Ended July 31, 2021</i> | <i>1 Months Ended July 31, 2021 Budget</i> | <i>Variance Fav/<Unf></i> | <i>% Var</i> |
|---|---|--|-------------------------------------|--------------|
| Income | | | | |
| Revenue | 7,795.70 | 6,583.33 | 1,212.37 | 18.4 % |
| TOTAL Income | <u>7,795.70</u> | <u>6,583.33</u> | <u>1,212.37</u> | 18.4 % |
| ***** | <u>7,795.70</u> | <u>6,583.33</u> | <u>1,212.37</u> | 18.4 % |
| ***** OPERATING INCOME | <u>7,795.70</u> | <u>6,583.33</u> | <u>1,212.37</u> | 18.4 % |
| Operating Expenses | | | | |
| Salaries and Payroll Taxes | | | | |
| Salaries and Payroll Taxes | 0.00 | 134.58 | 134.58 | 100.0 % |
| TOTAL Salaries and Payroll Taxes | <u>0.00</u> | <u>134.58</u> | <u>134.58</u> | 100.0 % |
| Office Expense | | | | |
| Office Expense | 0.00 | 2.08 | 2.08 | 100.0 % |
| TOTAL Office Expense | <u>0.00</u> | <u>2.08</u> | <u>2.08</u> | 100.0 % |
| Operating Supplies | | | | |
| Operating Supplies | 0.00 | 100.00 | 100.00 | 100.0 % |
| TOTAL Operating Supplies | <u>0.00</u> | <u>100.00</u> | <u>100.00</u> | 100.0 % |
| Repairs and Maintenance | | | | |
| Repairs and Maintenance | 0.00 | 208.34 | 208.34 | 100.0 % |
| TOTAL Repairs and Maintenance | <u>0.00</u> | <u>208.34</u> | <u>208.34</u> | 100.0 % |
| TOTAL Operating Expenses | <u>0.00</u> | <u>445.00</u> | <u>445.00</u> | 100.0 % |
| ***** OPERATING INCOME (LOSS) | <u>7,795.70</u> | <u>6,138.33</u> | <u>1,657.37</u> | 27.0 % |
| ***** NET INCOME (LOSS) | <u>7,795.70</u> | <u>6,138.33</u> | <u>1,657.37</u> | 27.0 % |
| ***** NET INCOME (LOSS) | <u>7,795.70</u> | <u>6,138.33</u> | <u>1,657.37</u> | 27.0 % |

Assets - July 31, 2021

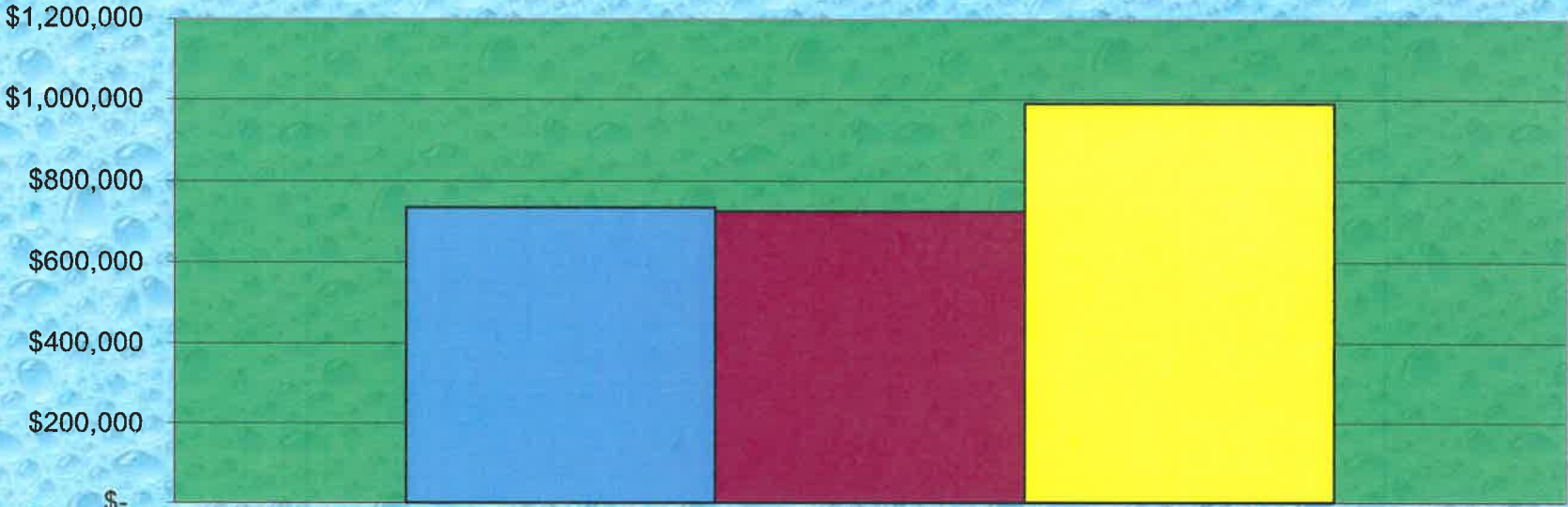


Liabilities - July 31, 2021





Operating Expenses



- FY 20-21
- FY 21-22
- CY Budget

July
\$736,364
\$726,464
\$990,490

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

| | ACCT | BEG BAL | JUL | CURRENT YTD | CUMULATIVE TOTAL | ANNUAL BUDGET | BUDGET SPENT |
|---|------|----------------|----------------|----------------|------------------|------------------|--------------|
| <u>CIP PROJECTS</u> | | | | | | | |
| <u>Administration</u> | | | | | | | |
| <u>Collections</u> | | | | | | | |
| Construction of new Gravity Sewer Line-Carmel Meadows | 1586 | 364,551 | 20,052 | 20,052 | 384,603 | 150,000 | 13.37% |
| Upper Rancho Canada Pipe Relocation | 1625 | 188,587 | 104,187 | 104,187 | 292,774 | 1,760,000 | 5.92% |
| Carmel Valley Manor Sewer-unbudgeted | 1632 | 180 | 0 | 0 | 180 | 0 | NA |
| Scenic Rd Pipe Burst-Ocn/Bay | 1635 | 80,276 | 0 | 0 | 80,276 | 1,200,000 | NA |
| Bay/Scenic Pump Station Rehab | 1636 | 6,727 | 4,585 | 4,585 | 11,312 | 250,000 | 1.83% |
| <u>Treatment</u> | | | | | | | |
| RECL share | | | 0 | 0 | 0 | 0 | NA |
| PBCSD share (1/3 of cost) | | | 0 | 0 | 0 | 0 | NA |
| <i>Total CIP Projects 21-22</i> | | 640,321 | 128,824 | 128,824 | 769,145 | 3,360,000 | 3.83% |

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

| | ACCT | BEG BAL | JUL | CURRENT YTD | CUMULATIVE TOTAL | ANNUAL BUDGET | BUDGET SPENT |
|---|------|------------------|----------------|----------------|------------------|------------------|--------------|
| <i>LONG TERM CIP PROJECTS</i> | | | | | | | |
| <u>Treatment</u> | | | | | | | |
| Microturbine/Gas Conditioning System | 1611 | 55,115 | 0 | 0 | 55,115 | 150,000 | NA |
| Elec/Mech Rehab & Sludge Holding Tank Project (RECL 4%) | 1620 | 896,671 | 15,000 | 15,000 | 911,671 | 5,000,000 | 0.30% |
| WWTP Perimeter Tree Planting | 1626 | 2,897 | 0 | 0 | 2,897 | 60,000 | NA |
| Critical Process Flood Adaptations (RECL 30%) | 1630 | 21,788 | 0 | 0 | 21,788 | 50,000 | NA |
| RECL share | | | (600) | (600) | (600) | (200,000) | 0.30% |
| PBCSD share (1/3 of cost) | | | (4,800) | (4,800) | (4,800) | (1,686,667) | 0.28% |
| | | 976,471 | 9,600 | 9,600 | 986,071 | 3,373,333 | 0.28% |
| Total Capital (net of RECL and PBCSD) | | 1,616,792 | 138,424 | 138,424 | 1,755,216 | 6,733,333 | 2.06% |

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

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

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

**YTD Actual/
YTD Budget
Variance**

Maintenance - Plant

| | | |
|---------------------|---------|---|
| Utilities | -16.50% | Correct period in which telephone expense recorded. Small dollar amounts. |
| Travel and Meetings | -27.90% | Timing of employee training. Small dollar amounts. |

Collections

| | | |
|----------------------------|---------|---|
| Salaries and Payroll Taxes | -9.60% | Slightly underbudgeted. |
| Operating Supplies | -47.60% | Timing of paints and fluids and hand tools. Small dollar amounts. |

Treatment

Administration

| | | |
|-------------------------------|----------|---|
| Salaries and Payroll Taxes | -5.80% | Slightly underbudgeted. |
| Operating Supplies | -19.30% | Timing of janitorial supplies. Small dollar amounts. |
| Repairs and Maintenance | -66.30% | Timing of building repairs. Small dollar amounts. |
| Utilities | -7.50% | Correct period in which telephone and water expense recorded. Small dollar amounts. |
| Memberships and Subscriptions | -522.50% | Timing of publications and reference works. Small dollar amounts. |

Waste to Energy

Brine Disposal

District Obligations:

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

STAFF REPORT



TO: Board of Directors
 FROM: Daryl Lauer, Collection Superintendent
 DATE: August 26, 2021
 SUBJECT: Monthly Report – July

RECOMMENDATION

Receive Report- Informational only; no action required.

Permits Issued

| | |
|--|------------|
| Sewer Lateral Permits issued in July | 25 |
| Total Fees | \$3,955.00 |

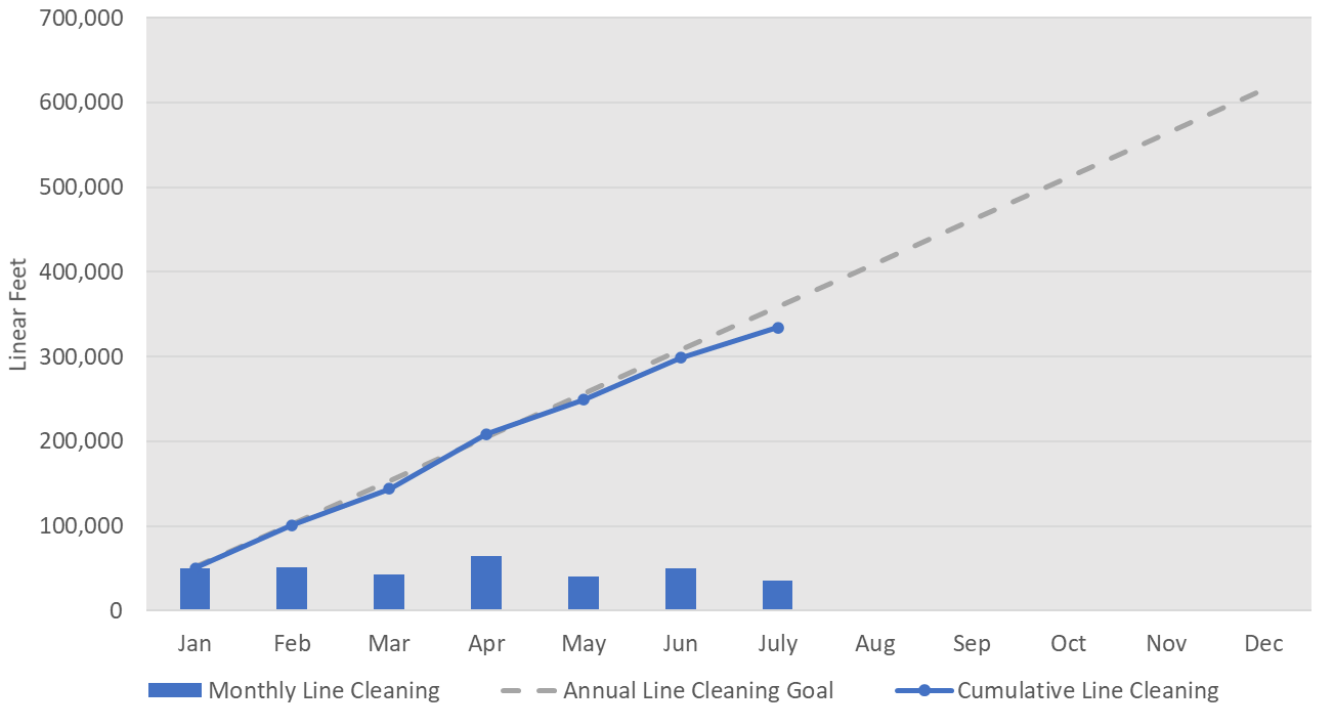
Maintenance

Attached is a map of the areas cleaned and Closed-Circuit Television (CCTV) inspected in the past three months. There were 35,498 feet of sewer lines cleaned, 10,118 feet of CCTV inspections and 98 manhole inspections performed during the month of July.

Recent Line Cleaning Summary

| Cleaning period | Footage Cleaned | Percentage Cleaned | Size of Pipe Cleaned |
|-----------------|-----------------|--------------------|----------------------|
| July | 35,498 ft. | 8.63% | 6 – 27 inches |
| June | 49,997 ft. | 12.16% | 6 - 12 inches |
| May | 40,477 ft. | 9.84% | 6 – 12 inches |

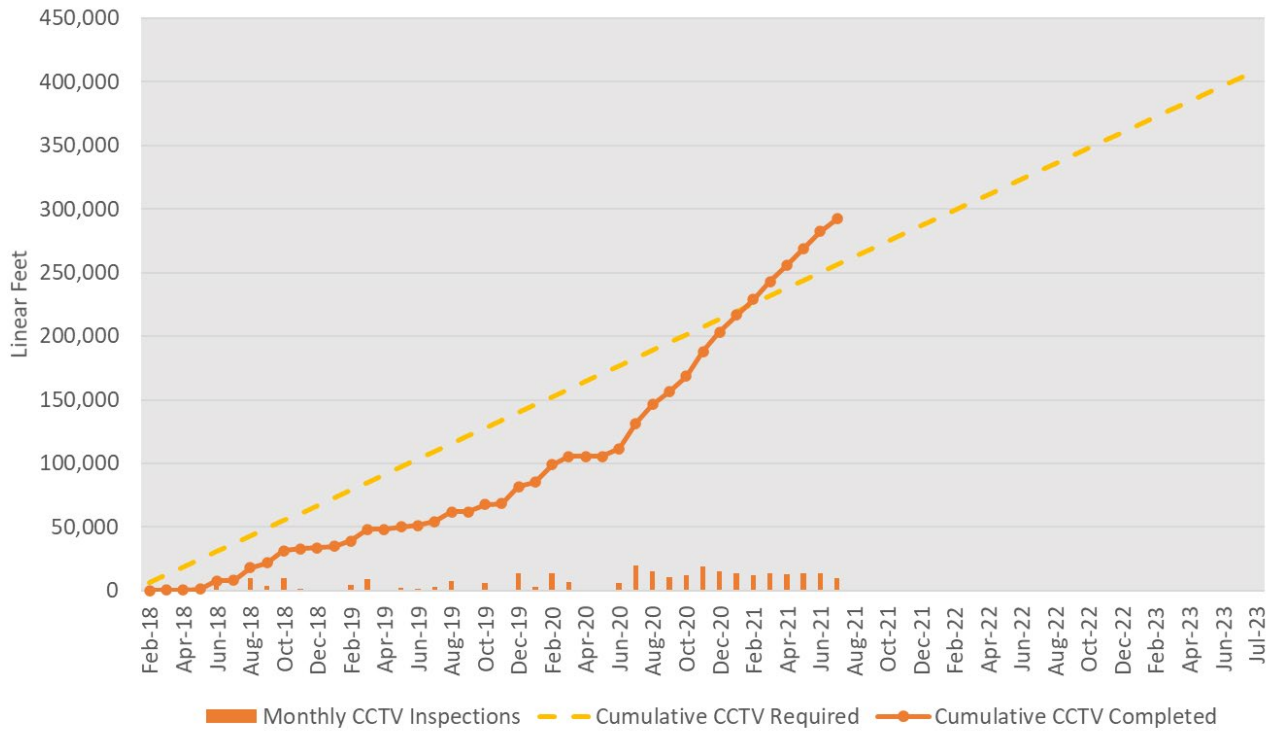
Annual Line Cleaning Graph



Line Cleaning Table

| Total Target Amount (Linear Feet) | Cumulative Complete (Linear Feet) | Remaining (Linear Feet) |
|-----------------------------------|-----------------------------------|-------------------------|
| 615,000 (in 2021) | 334,272 | 280,728 |

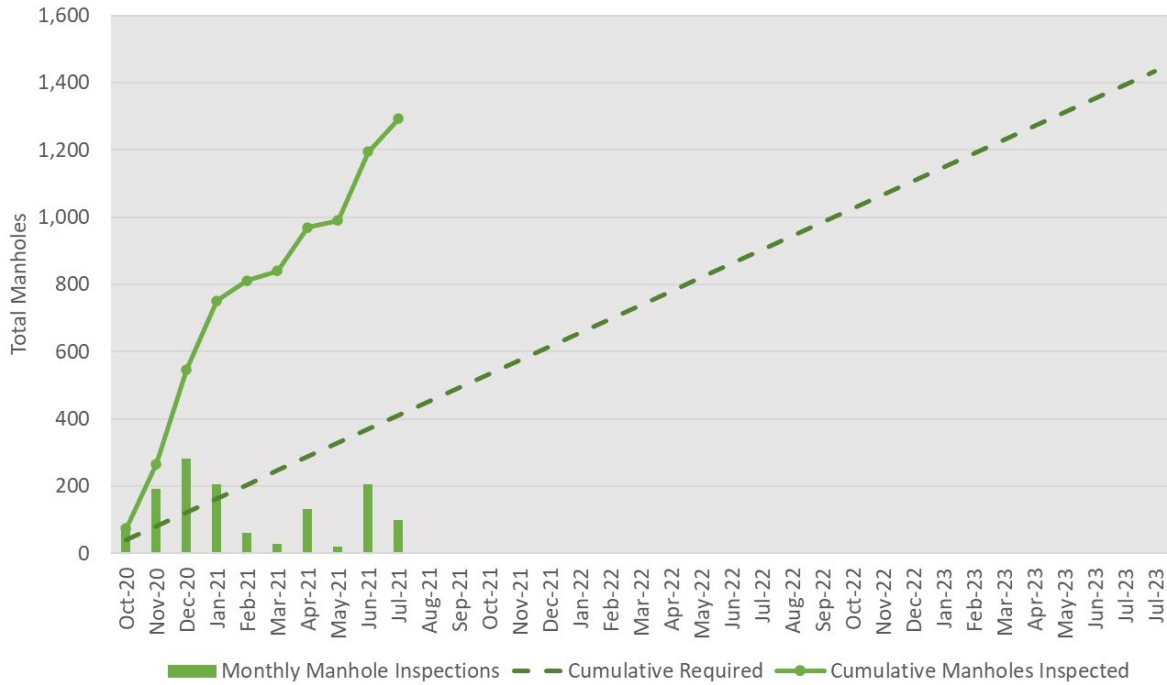
CCTV Progress Graph (River Watch Settlement Agreement Target)



CCTV Table

| Total Required amount (Linear Feet) | Cumulative Complete (Linear Feet) | Remaining (Linear Feet) |
|--|--|--------------------------------|
| 408,672 | 292,456 | 116,216 |

Manhole Inspection Progress Graph (Riverwatch Settlement Agreement Target)



Manhole Inspection Table

| Total Required Amount (Manholes) | Actual Complete (Manholes) | Remaining (Manholes) |
|----------------------------------|----------------------------|----------------------|
| 1434 | 1293 | 141 |

Construction Activities

- Project 19-13 the Upper Rancho Canada Pipe Relocation project started in July. The contractor started to mobilize equipment, surveyed, and has cleared work areas.

Staff Development

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

General Comments

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

Service calls responded to by crew

| Date | Time | Callout | Resolution |
|-------------|-------------|------------------|--|
| 7/6/2021 | 11:32 AM | Rattling Manhole | Call by main office for a report of a rattling manhole lid. Staff located the loose lid, cleaned the frame, and reset the lid. |
| 7/20/2021 | 4:46 PM | Lateral Overflow | Called by homeowner for a lateral overflow. Staff cleaned District main line and found no problems in District's line. Staff informed homeowner to call a plumber of their choice. |
| 7/30/2021 | 8:15 AM | Manhole Overflow | Staff found manhole N602 overflowing while walking Friday's easements. The manhole is located behind 24652 Pescadero. An estimated 802 gallons overflowed before crews were able to relieve the blockage using the pressure cleaner. Staff cleaned the sewer line several times and inspected the line using CCTV. Free floating roots cut from a lateral was determined to be the cause of the blockage. Staff cleaned the area and notified the proper agencies. This line segment is scheduled to be replaced during the Pescadero Creek Area Pipe Rehab project (# 21-05). See map for location of spill circled in red. |
| 7/30/2021 | 4:59 PM | Odor Complaint | Called by main office to the Mission Fields area for an odor complaint. Staff ran the main line in the area of the caller. No odor was detected after cleaning. |

USA Location Requests – 112

Plumbing permit inspections – 23

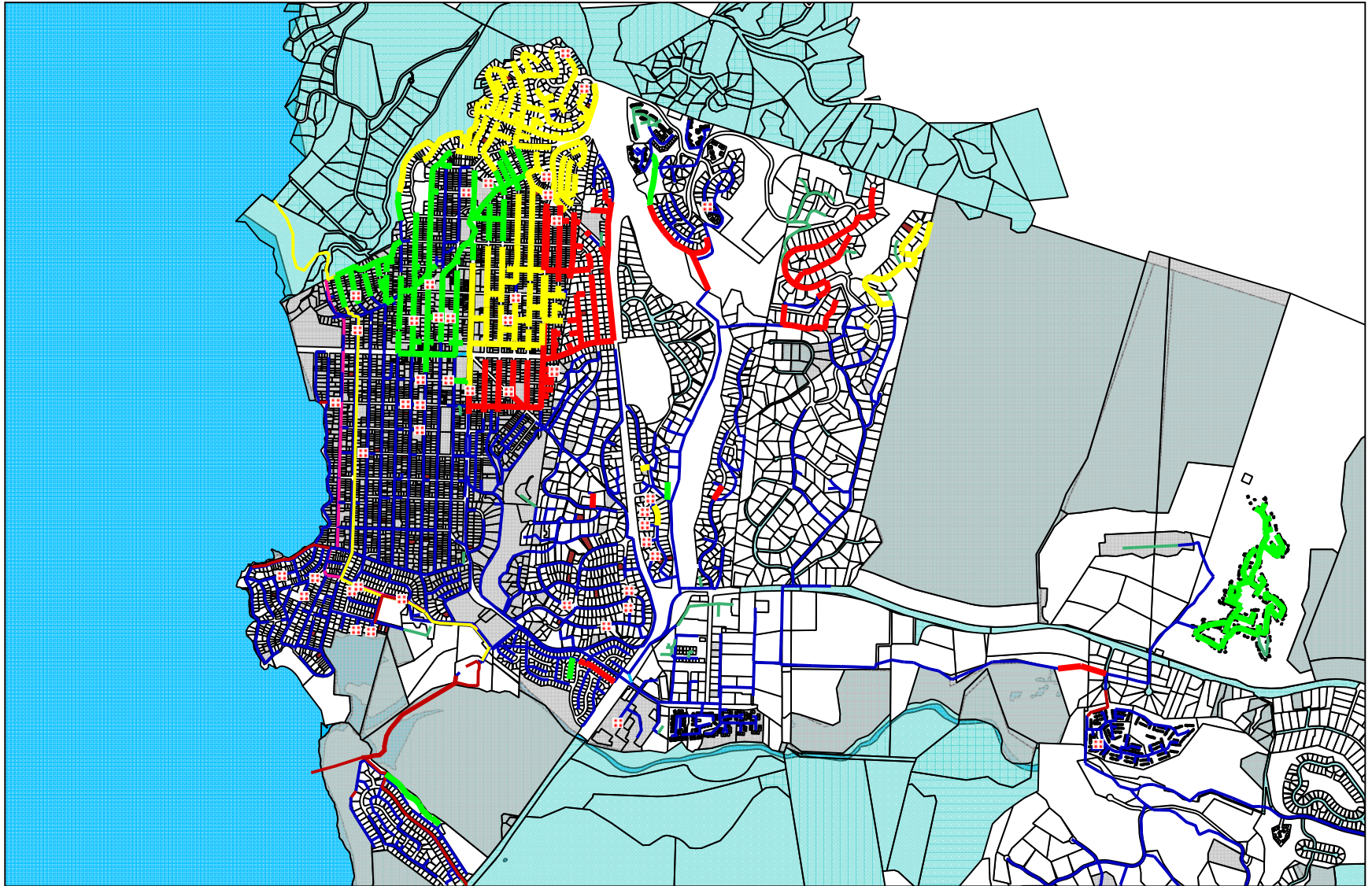
Private Sewer Lateral Compliance Certificates Issued – 19

FUNDING

N/A

July (Red) 35,498 feet
June (Yellow) 49,997 feet
May (Green) 40,477 feet

Monthly Cleaning Map

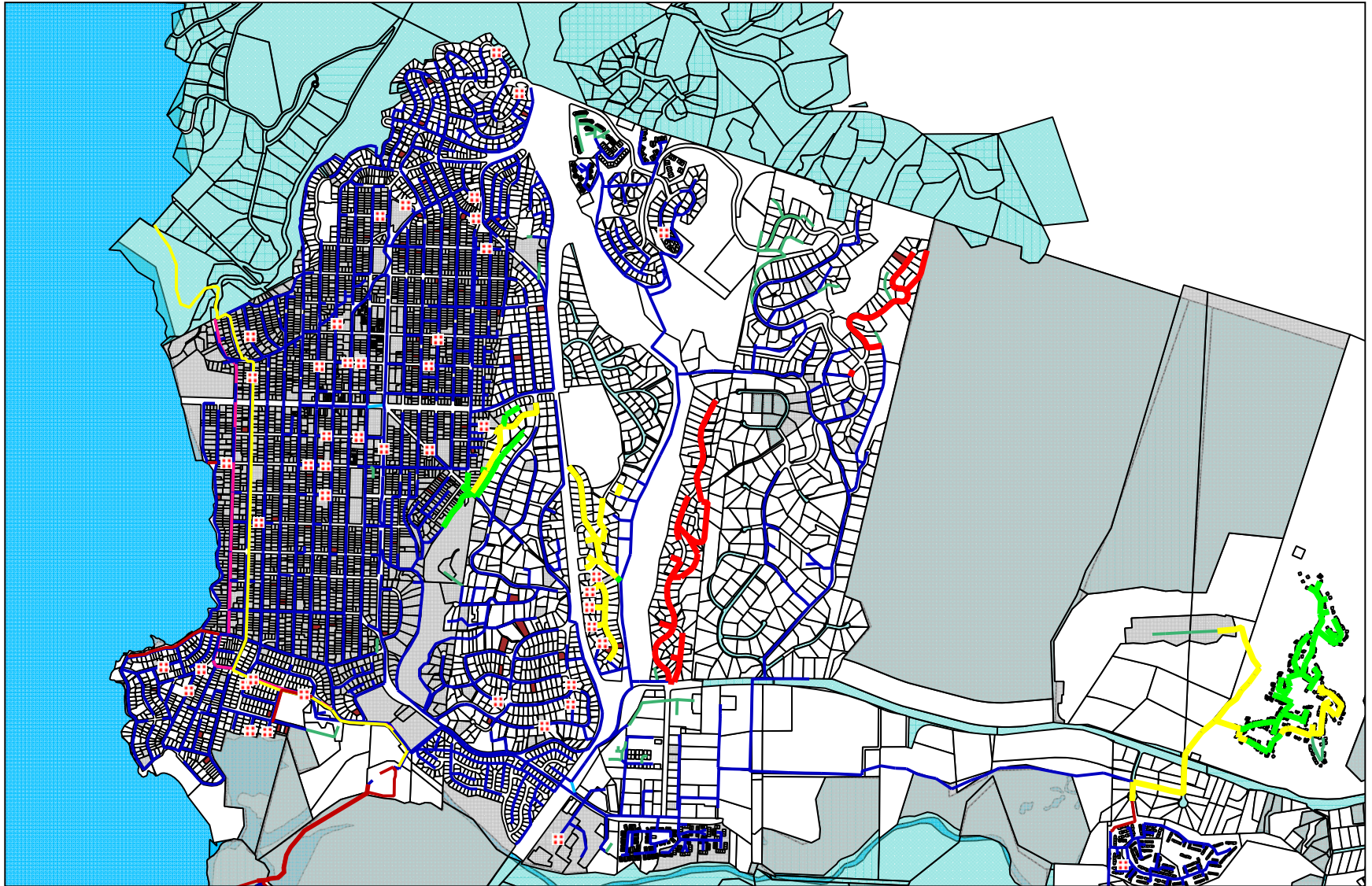


8/4/2021



July (Red) 10,118 feet
June (Yellow) 13,404 feet
May (Green) 13,452 feet

Monthly CCTV Map

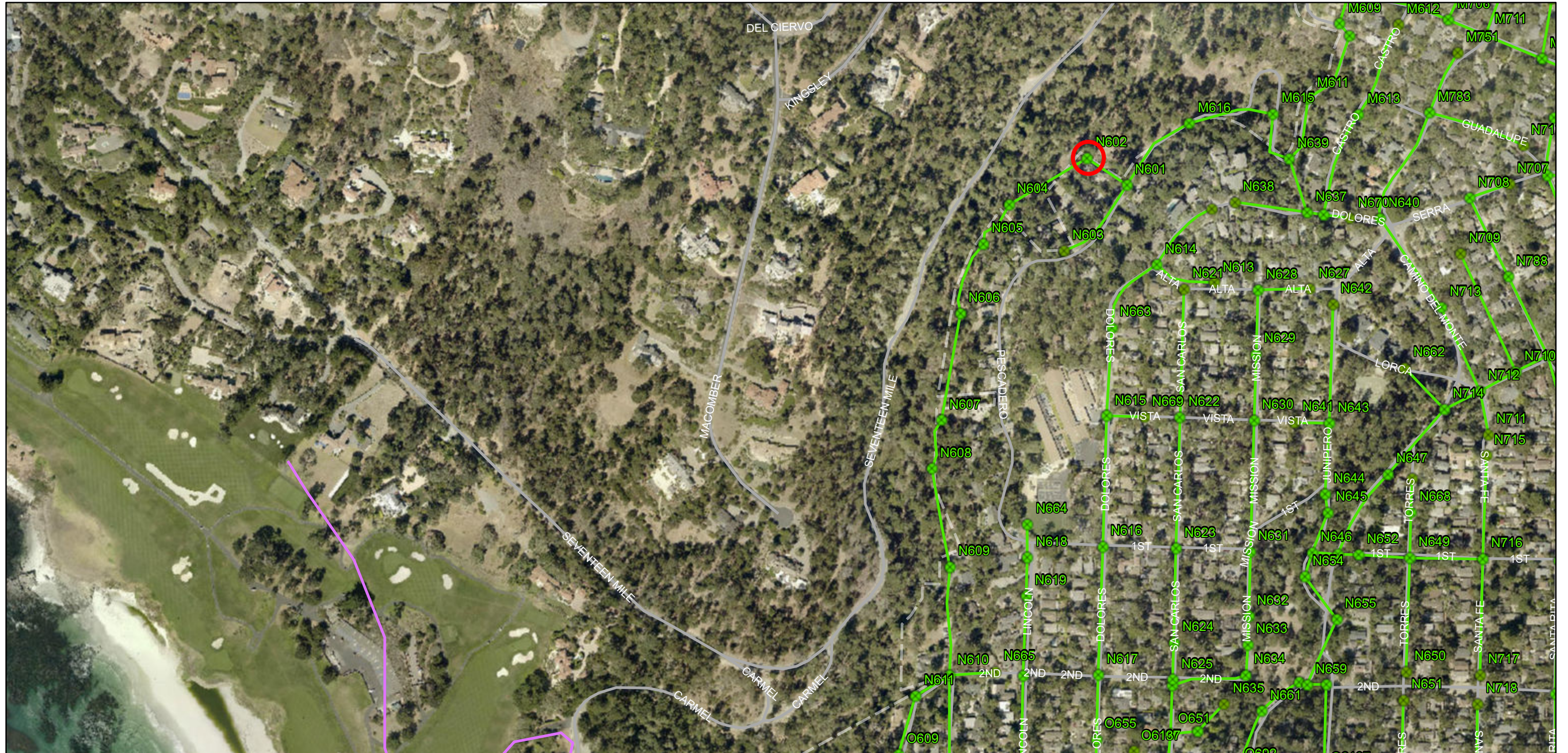


RedZone
ROBOTICS

8/4/2021

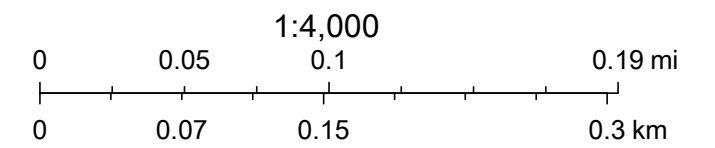


CAWD GIS Maps



8/4/2021, 10:25:01 AM

- CAWD Service Area ● MH — RECLAMATION
- Maintenance Holes v5 — Streets
- FI — GRAVITY



TIGEO

STAFF REPORT

To: Board of Directors

From: Mark Dias, Safety and
Regulatory Compliance Administrator

Date: August 26, 2021

Subject: Monthly Safety Report (for July 2021)



RECOMMENDATION

Receive Report- Informational only; no action required

DISCUSSION

Safety & Training

- **July 22- Protections from Wildfire Smoke Hazards.** Mark Dias, Safety and Compliance Administrator (S/C Admin Dias), presented on protection of workers from wildfire smoke hazards. While the regulations are relatively simple, the California Occupational Health and Safety Administration (Cal/OSHA) requires employers to protect and train employees for this hazard. Carmel Area Wastewater District (CAWD) is required to track air quality, and once certain air quality parameters are exceeded to begin informing employees and implementing protections. At lower particulate levels, simple protections such as moving indoors and using air filtration are satisfactory. At higher levels the use of N-95 respirators would be required. As part of the COVID-19 response the District has multiple High Efficiency Particulate Air (HEPA) filters and a supply of N-95 respirators.
- **July 29- Universal Waste handling and consolidation.** S/C Admin Dias provided training on the consolidation and storage of universal waste. Universal wastes are materials determined to pose less of a danger than other "hazardous wastes." Examples include used batteries, aerosol cans, some paints, fluorescent bulbs and electronic wastes. A covered storage unit had been designated as the formal consolidation area and is clearly labeled. It was emphasized to not throw any of these types of waste in the trash. Instead, employees should place all these on a nearby sorting platform. S/C Admin Dias would sort the materials as needed, store them, and periodically transport them to the Marina Landfill for proper recycling or disposal.

Ongoing Safety Improvements

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

- **Health Department Inspection.** The Health Department typically inspects the plant annually. The inspection covers three programs: (1) Above Ground Petroleum Storage Tanks, (2) Hazardous Materials, and (3) Hazardous Wastes. The site was not inspected in 2020 due to the pandemic. S/C Admin Dias had previously worked for the Health Department and had received formal training in Hazardous Waste and Materials Management. As a result, a number of incremental improvements to these programs were identified and addressed over the last few years. These included: comprehensive labeling of secondary hazardous material storage containers, the new universal waste consolidation storage unit, better danger/hazard warning signage, the relocation of the waste oils and paints out of the flood zone, disposal of old chemicals and paints, improved monthly inspection form and protocols, and increased separation of incompatible chemicals such as acids and bases. Previous inspections had not found any significant violations but would advise where corrections were needed. During the July inspection, the site was found to be fully compliant with no corrections or advisements. The inspector made several positive comments and complimented the state of the facility.
- **Planning for Safety Weeks.** Each year two full weeks are set aside for multiple California /Occupational Safety and Health Act (OSHA) required safety trainings. First aid training, respirator fit-testing and hearing testing are also completed. Significant effort is needed to coordinate all the vendors and develop a cohesive schedule so crews can be split to maintain critical operation and collection functions. New this year will be 3 hours of formal fall-protection training from a certified vendor. Aside from back injuries, falls are the most common type of serious injury at a work site.

Tours and Outreach

- **Tours.** Tours remain on hold. Further review of this policy is needed in light of the increasing Delta variant infection rates and whether reopening of schools will worsen the exposure risk to CAWD employees. Also, any future tours will need to be carefully coordinated to avoid conflicts with Phase II construction activities.

Injuries; First Aid Incidents; Workers Compensation Claims

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

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

FUNDING

N/A- Informational item only

Wastewater Treatment Facility Operations Report

| | HYDRAULIC LOADINGS | | | | | 2021 YEAR-TO-DATE | |
|--------------------------|--------------------|-----------------|----------------|----------------|---------------|-------------------|---------------|
| Report for: July 2021 | Total Monthly, MG | Avg. Daily, MGD | Min Daily, MGD | Max Daily, MGD | % of Total | MG | acre-feet |
| CAWD Flow | 25.481 | 0.822 | 0.793 | 0.857 | 68.650 | 173.18 | 531.24 |
| PBCSD Flow | 11.636 | 0.375 | 0.352 | 0.420 | 31.350 | 79.95 | 245.25 |
| Total Plant Flow | 37.117 | 1.197 | 1.145 | 1.277 | 100.00 | 253.13 | 776.48 |
| Tertiary Flow | 32.799 | 1.058 | 0.879 | 1.234 | 88.367 | 199.44 | 611.79 |
| Ocean Discharge | 4.319 | 0.135 | 0.014 | 0.160 | 11.636 | 58.63 | 179.86 |
| Potable Water | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

TERTIARY PROCESS HISTORY

| | |
|---|------------------------------|
| Total Annual Reclamation Production (2021) | 199.45MG (611.80acre-ft.) |
| Total Lifetime Reclamation Production (94-21) | 8.74 BG (26.82 K acre-ft.) |
| 12 Month Rolling Total Reclamation Production | 346.00 MG (1061.89 acre-ft.) |

ELECTRICAL COSTS

| Monthly Totals | Jul'21 kWh | Price per kWh | Jul'21 | Jun'21 | Mar'21 | Apr'21 |
|------------------------------------|-------------------|---------------|---------------------|--------------------------|---------------------|---------------------|
| Secondary | 90,396.00 | \$ 0.225 | \$ 20,354.14 | \$ 19,997.41 | \$ 15,341.63 | \$ 15,009.94 |
| Blowers | 56,930.40 | \$ 0.207 | \$ 11,790.88 | \$ 11,369.49 | \$ 9,129.95 | \$ 8,495.11 |
| CAWD Total | 147,326.40 | | \$ 32,145.02 | \$ 31,366.90 | \$ 24,471.58 | \$ 23,505.05 |
| Tertiary | 102,596.24 | \$ 0.225 | \$ 23,051.78 | \$ 20,558.60 | \$ 14,919.41 | \$ 15,428.62 |
| MF/RO | 102,740.00 | \$ 0.235 | \$ 24,160.27 | \$ 22,509.89 | \$ 20,237.92 | \$ 19,675.11 |
| Reclaim Total | 205,336.24 | | \$ 47,212.05 | \$ 43,068.49 | \$ 35,157.33 | \$ 35,103.73 |
| Adjusted Monthly Totals (1) | CAWD Total | | \$ 19,709.05 | Reclamation Total | | \$ 59,648.02 |

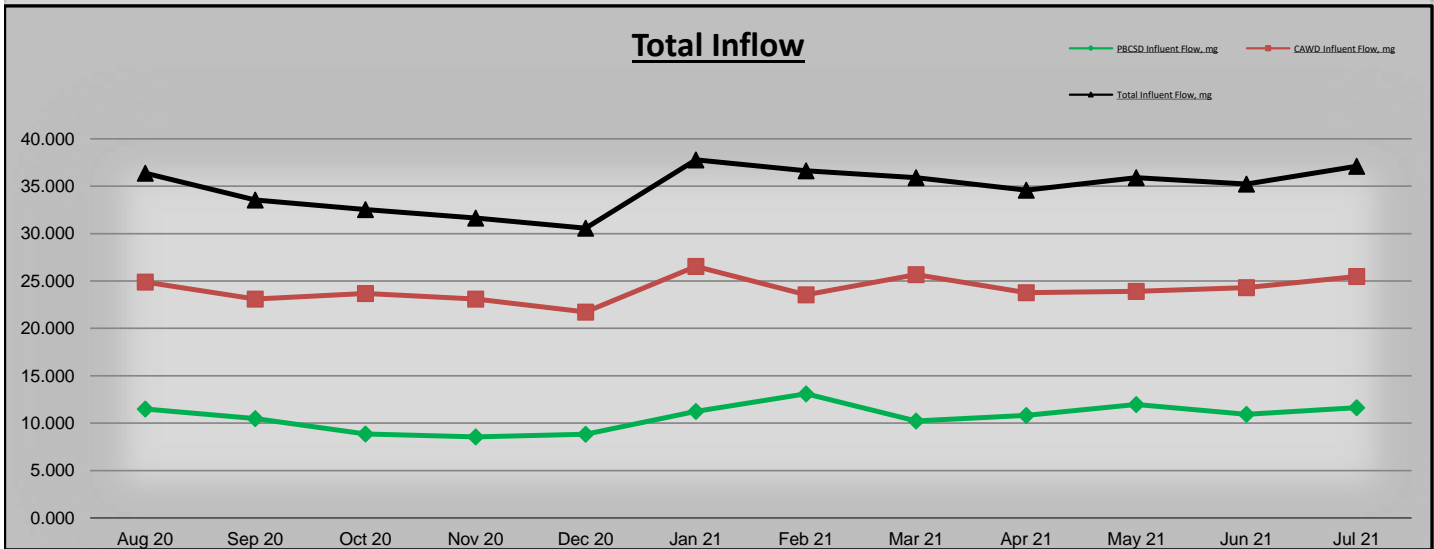
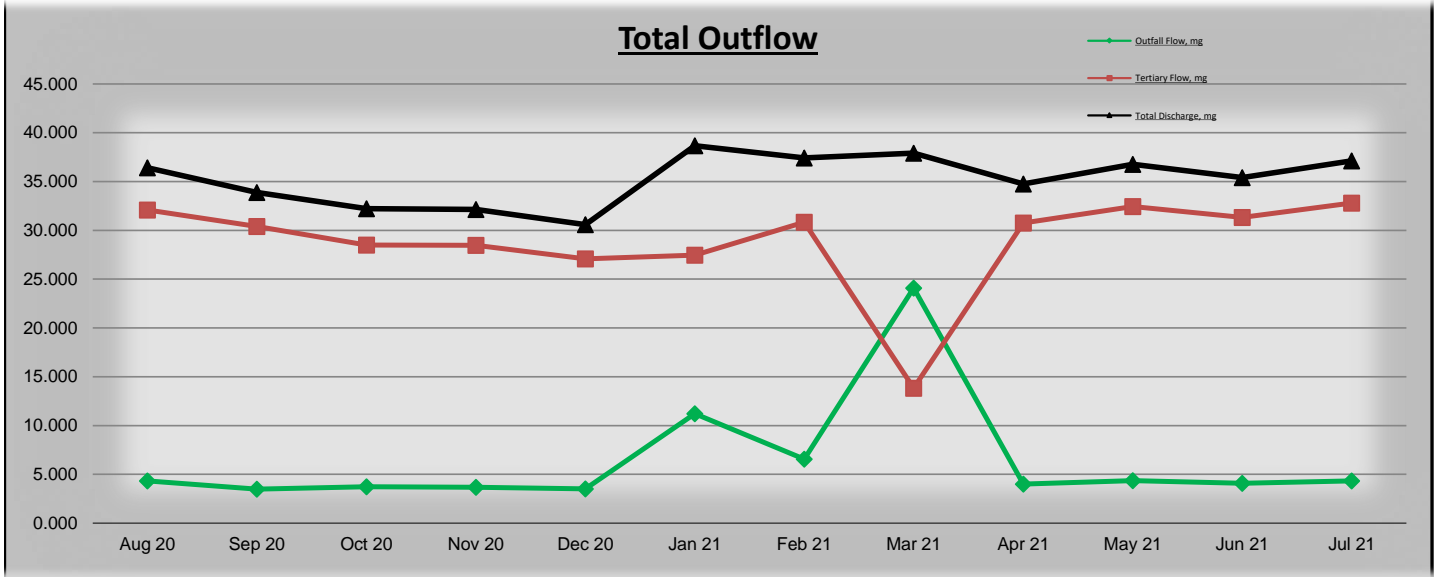
kW-h Per Acre Foot

| | 2020 | | | | 2021 | | | |
|-------------|---------|---------|---------|---------|---------|---------|-------|-------|
| | 1 QTR | 2 QTR | 3 QTR | 4 QTR | 1 QTR | 2 QTR | 3 QTR | 4 QTR |
| CAWD | 2064.85 | 1445.00 | 1434.66 | 1583.65 | 1453.87 | 1327.64 | N/A | N/A |
| Reclamation | 1920.96 | 1852.00 | 1878.67 | 1943.44 | 1984.84 | 1939.79 | N/A | N/A |

MICROTURBINE SUMMARY

| Month | Jul '21 kW-h | Jun '21 | May '21 | Apr '21 | Accumulated Totals |
|------------------|--------------|---------|---------|---------|--------------------|
| Production, kW-h | 29,434 | 31,493 | 31,196 | 31,694 | 1,101,712.00 |

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



Wastewater Treatment Facility Operations Report

| Report for: June 2021 | HYDRAULIC LOADINGS | | | | | 2021 YEAR-TO-DATE | |
|--------------------------|--------------------|-----------------|----------------|----------------|---------------|-------------------|---------------|
| | Total Monthly, MG | Avg. Daily, MGD | Min Daily, MGD | Max Daily, MGD | % of Total | MG | acre-feet |
| CAWD Flow | 24.294 | 0.810 | 0.714 | 0.857 | 68.935 | 147.70 | 453.07 |
| PBCSD Flow | 10.948 | 0.365 | 0.340 | 0.394 | 31.065 | 68.32 | 209.56 |
| Total Plant Flow | 35.242 | 1.175 | 1.054 | 1.251 | 100.00 | 216.02 | 662.63 |
| Tertiary Flow | 31.322 | 1.044 | 0.880 | 1.133 | 88.877 | 166.64 | 511.18 |
| Ocean Discharge | 4.088 | 0.136 | 0.107 | 0.157 | 11.600 | 54.31 | 166.61 |
| Potable Water | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

TERTIARY PROCESS HISTORY

| | |
|---|------------------------------|
| Total Annual Reclamation Production (2021) | 166.65MG (511.19acre-ft.) |
| Total Lifetime Reclamation Production (94-21) | 8.71 BG (26.72 K acre-ft.) |
| 12 Month Rolling Total Reclamation Production | 345.84 MG (1061.37 acre-ft.) |

ELECTRICAL COSTS

| Monthly Totals | Jun'21 kWh | Price per kWh | Jun '21 | May'21 | Apr'21 | Mar'21 |
|-----------------------------|-------------------|---------------|---------------------|---------------------|---------------------|---------------------|
| Secondary | 85,103.00 | \$ 0.235 | \$ 19,997.41 | \$ 15,341.63 | \$ 15,009.94 | \$ 16,198.02 |
| Blowers | 52,166.96 | \$ 0.218 | \$ 11,369.49 | \$ 9,129.95 | \$ 8,495.11 | \$ 8,318.61 |
| CAWD Total | 137,269.96 | | \$ 31,366.90 | \$ 24,471.58 | \$ 23,505.05 | \$ 24,516.63 |
| Tertiary | 96,550.40 | \$ 0.213 | \$ 20,558.60 | \$ 14,919.41 | \$ 15,428.62 | \$ 9,180.31 |
| MF/RO | 94,512.00 | \$ 0.238 | \$ 22,509.89 | \$ 20,237.92 | \$ 19,675.11 | \$ 8,129.10 |
| Reclaim Total | 191,062.40 | | \$ 43,068.49 | \$ 35,157.33 | \$ 35,103.73 | \$ 17,309.41 |
| Adjusted Monthly Totals (1) | CAWD Total | \$ | 19,083.15 | Reclamation Total | \$ | 55,352.24 |

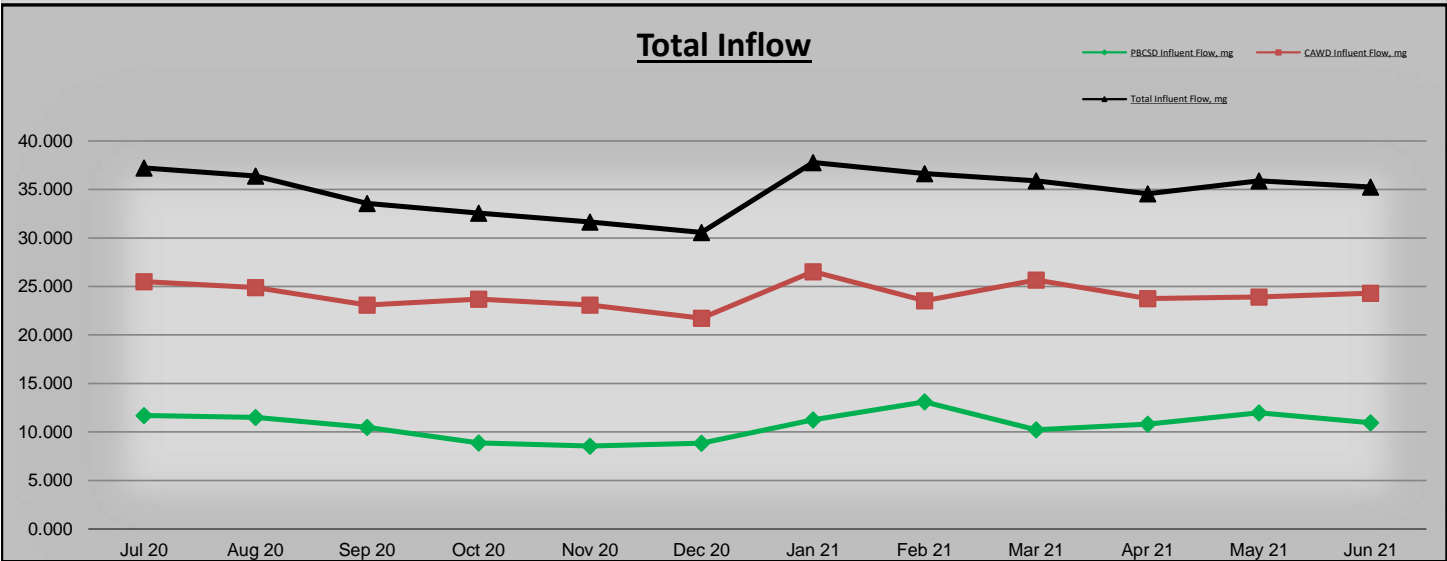
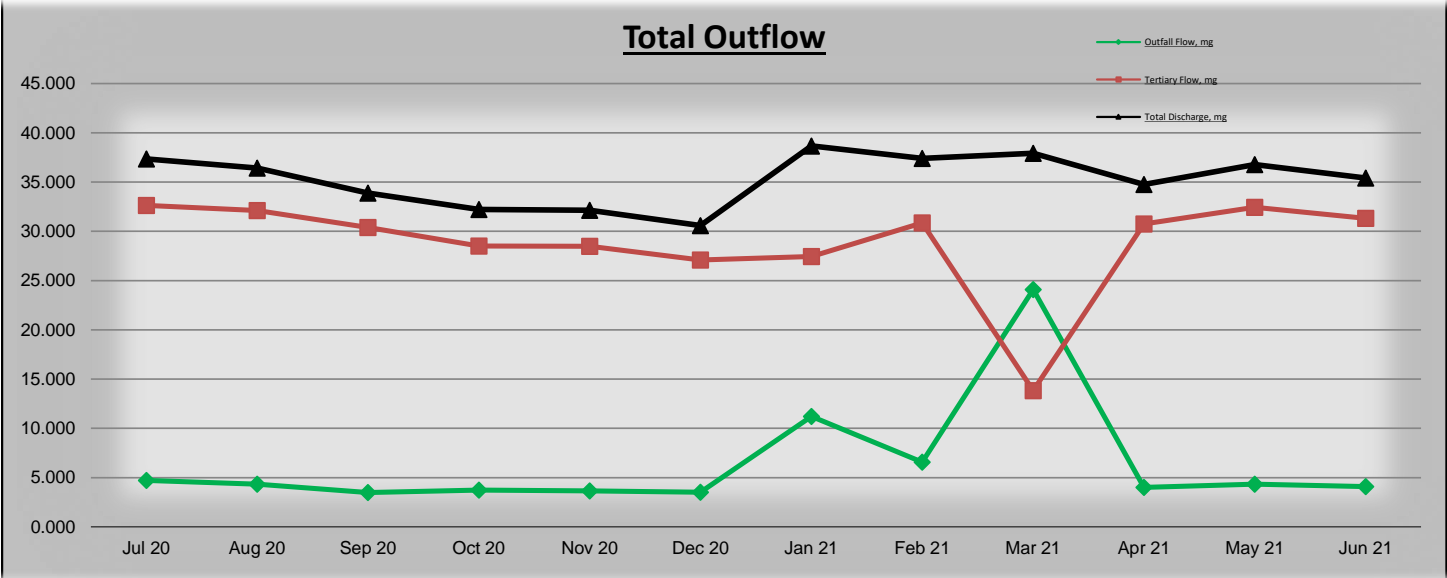
kW-h Per Acre Foot

| | 2020 | | | | 2021 | | | |
|-------------|---------|---------|---------|---------|---------|---------|-------|-------|
| | 1 QTR | 2 QTR | 3 QTR | 4 QTR | 1 QTR | 2 QTR | 3 QTR | 4 QTR |
| CAWD | 2064.85 | 1445.00 | 1434.66 | 1583.65 | 1453.87 | 1327.64 | N/A | N/A |
| Reclamation | 1920.96 | 1852.00 | 1878.67 | 1943.44 | 1984.84 | 1939.79 | N/A | N/A |

MICROTURBINE SUMMARY

| Month | Jun '21 kW-h | May '21 | Apr '21 | Mar '21 | Accumulated Totals |
|------------------|--------------|---------|---------|---------|--------------------|
| Production, kW-h | 31,493 | 31,196 | 31,694 | 29,055 | 1,072,278.00 |

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



Wastewater Treatment Facility Operations Report

| | HYDRAULIC LOADINGS | | | | | 2021 YEAR-TO-DATE | |
|-------------------------|----------------------|--------------------|-------------------|-------------------|---------------|-------------------|---------------|
| Report for: May 2021 | Total Monthly, MG | Avg. Daily, MGD | Min Daily, MGD | Max Daily, MGD | % of Total | MG | acre-feet |
| CAWD Flow | 23.914 | 0.772 | 0.694 | 0.885 | 66.633 | 123.41 | 378.55 |
| PBCSD Flow | 11.975 | 0.386 | 0.367 | 0.425 | 33.367 | 57.37 | 175.97 |
| Total Plant Flow | 35.889 | 1.158 | 1.061 | 1.310 | 100.00 | 180.78 | 554.52 |
| Tertiary Flow | 32.439 | 1.046 | 0.928 | 1.211 | 90.387 | 135.32 | 415.10 |
| Ocean Discharge | 4.343 | 0.140 | 0.104 | 0.179 | 12.101 | 50.23 | 154.07 |
| Potable Water | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

TERTIARY PROCESS HISTORY

| | |
|---|------------------------------|
| Total Annual Reclamation Production (2021) | 135.33MG (415.11acre-ft.) |
| Total Lifetime Reclamation Production (94-21) | 8.67 BG (26.62 K acre-ft.) |
| 12 Month Rolling Total Reclamation Production | 345.21 MG (1059.44 acre-ft.) |

ELECTRICAL COSTS

| Monthly Totals | May'21 kWh | Price per kWh | May'21 | Apr'21 | Mar'21 | Feb'21 |
|------------------------------------|-------------------|---------------|---------------------|--------------------------|---------------------|---------------------|
| Secondary | 90,407.00 | \$ 0.170 | \$ 15,341.63 | \$ 15,009.94 | \$ 16,198.02 | \$ 15,090.53 |
| Blowers | 55,435.44 | \$ 0.165 | \$ 9,129.95 | \$ 8,495.11 | \$ 8,318.61 | \$ 7,945.21 |
| CAWD Total | 145,842.44 | | \$ 24,471.58 | \$ 23,505.05 | \$ 24,516.63 | \$ 23,035.74 |
| Tertiary | 91,942.36 | \$ 0.162 | \$ 14,919.41 | \$ 15,428.62 | \$ 9,180.31 | \$ 14,362.85 |
| MF/RO | 99,474.00 | \$ 0.203 | \$ 20,237.92 | \$ 19,675.11 | \$ 8,129.10 | \$ 15,433.92 |
| Reclaim Total | 191,416.36 | | \$ 35,157.33 | \$ 35,103.73 | \$ 17,309.41 | \$ 29,796.77 |
| Adjusted Monthly Totals (1) | CAWD Total | | \$ 14,983.99 | Reclamation Total | | \$ 44,644.92 |

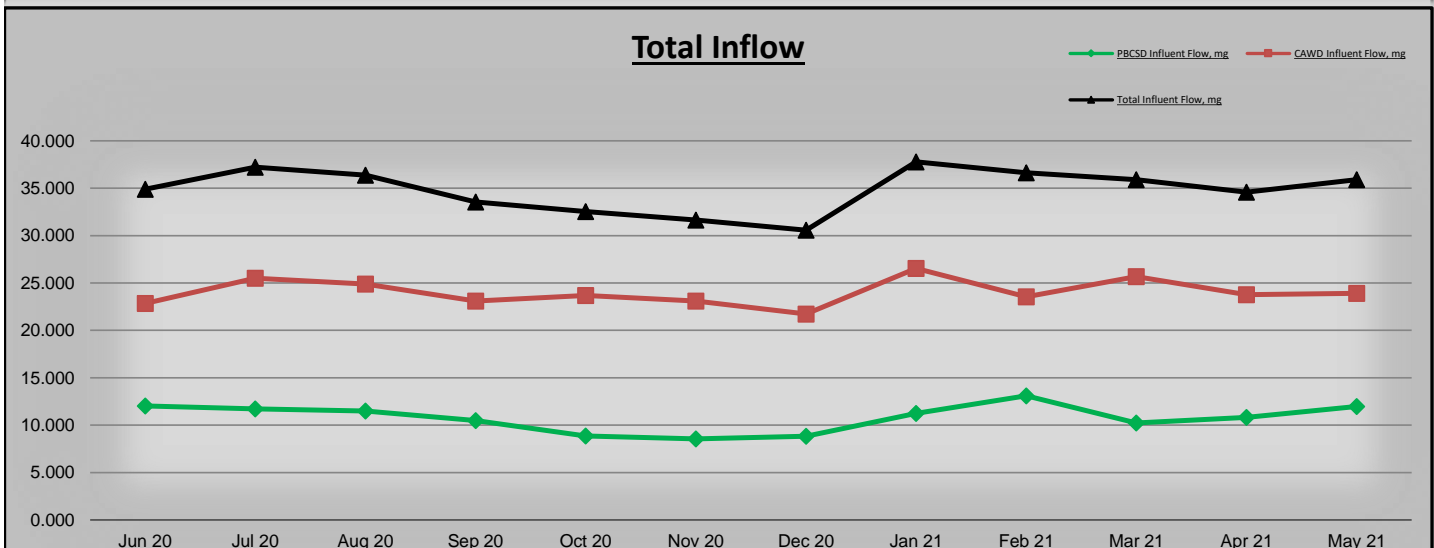
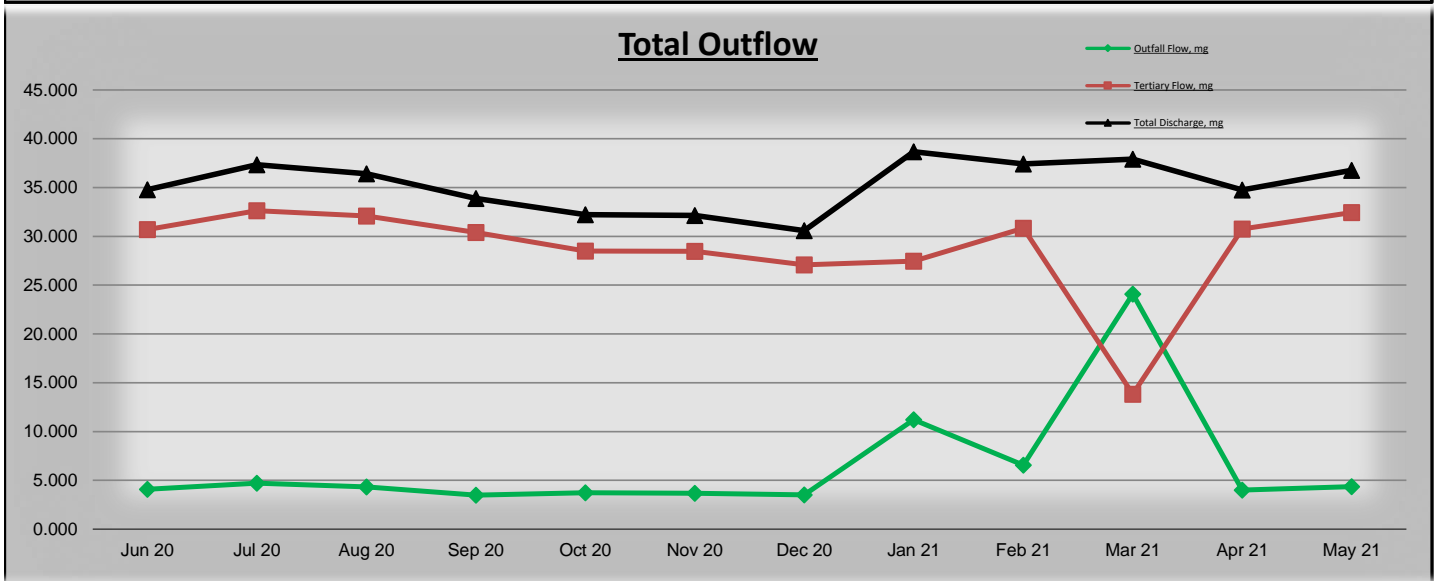
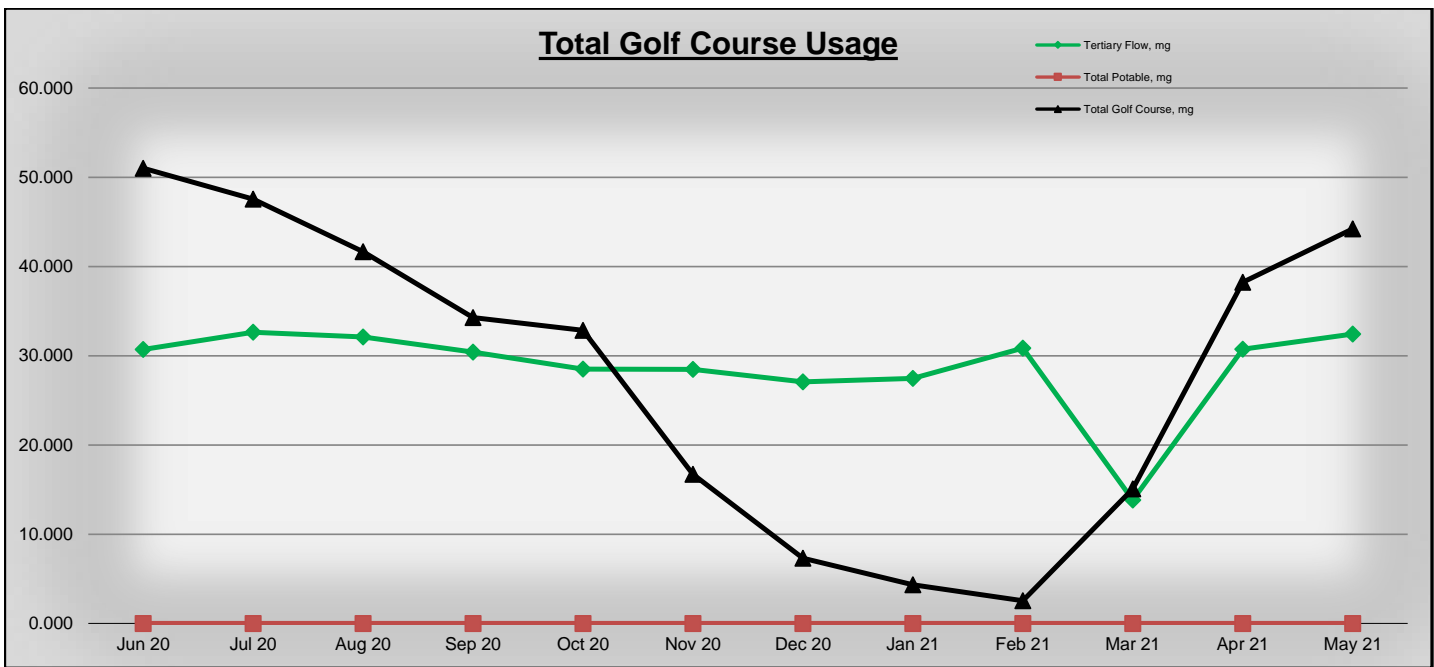
kW-h Per Acre Foot

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

MICROTURBINE SUMMARY

| Month | May '21 kW-h | Apr '21 | Mar '21 | Feb '21 | Accumulated Totals |
|-----------------|--------------|---------|---------|---------|--------------------|
| Production,kW-h | 31,196 | 31,694 | 29,055 | 22,833 | 1,040,785.00 |

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



STAFF REPORT

To: Board of Directors

From: Ray De Ocampo - Laboratory/Environmental Compliance Supervisor

Date: August 26, 2021

Subject: Monthly Report – July 2021



RECOMMENDATION

Receive Report - Informational only; No action required.

DISCUSSION

LABORATORY REPORT

- Biobot Analytics continues to provide COVID-19 analysis for Carmel Area Wastewater District's (CAWD) composite samples of the influent pump station. Biobot samples results are available upon request and can also be viewed on the CAWD website: https://www.cawd.org/biobot-analytics-weekly-reports-of-concentration-levels-sars-cov-2#/body_file-e72defec-6488-4185-b5f3-ab45b2fe531e
- On July 6, 2021, National Pollutant Discharge Elimination Permit System (NPDES) final effluent samples and biosolids were collected for quarterly monitoring. Samples were sent to Fruit Growers Laboratory (FGL) to be analyzed and waiting for results to be completed and emailed back to laboratory staff.
- The annual Performance Testing (PT) samples have been ordered from Sigma Aldrich. The performance samples are required to be completed and the lab must pass with acceptable results to maintain the Environmental Laboratory Accreditation Program (ELAP) certification. Staff will be completing the analysis and submitting the results back to be vendor.

ENVIRONMENTAL COMPLIANCE REPORT

- On July 15, 2021, a follow up inspection at The TreeHouse Cafe was performed, the grease trap was clean and compliant.
- On July 20, 2021, a follow up inspection at Mission Bistro was performed, the grease trap was clean and compliant.

- The new restaurant Dutch Door Donuts submitted plans to the CAWD District Engineer for review.

Restaurant Inspection Table

| Restaurant | Compliant | Reason for Non-Compliance | Comments |
|----------------------------|------------------|----------------------------------|--|
| Rio Grill | Yes | | |
| Hog's Breath Inn | Yes | | |
| Pescadero | Yes | | |
| Le Souffle | Yes | | |
| Cultura | Yes | | |
| Il Fornaio | Yes | | |
| La Balena | Yes | | |
| Carmel Bakery | Yes | | |
| Il Tegamino | Yes | | |
| Pangaea Grill | Yes | | |
| Vesuvio | Yes | | |
| Cypress Inn-Terry's Lounge | Yes | | |
| The Cottage Restaurant | Yes | | |
| Mission Bistro | Yes | | Grease trap was compliant, pumped out. |
| The TreeHouse Café | Yes | | Grease trap was compliant, pumped out. |

Grocery Store/Delicatessen Inspection Table

| Grocery Store/Delicatessen | Compliant | Reason for Non-Compliance | Comments |
|-----------------------------------|------------------|----------------------------------|-----------------|
| None | | | |

Restaurant Compliance Table

| % Compliance | Maintenance | Mechanical |
|---------------------|--------------------|-------------------|
| May 2021 | 89 | 100 |
| June 2021 | 94 | 100 |
| July 2021 | 100 | 100 |

FUNDING – N/A – Informational item only

| Project Number | GL | Task Name | Manager | Start | Finish | Current FY Budget | Cumulative Budget | Status | 2020 | | 2021 | | 2022 | |
|----------------|----------|---|---------------|----------|----------|-------------------|-------------------|--|--|----|------|----|------|----|
| | | | | | | | | | H1 | H2 | H1 | H2 | H1 | H2 |
| | | Projects Implementation Plan Schedule | | | | | | | | | | | | |
| | | Treatment Plant Projects | | | | | | | | | | | | |
| 18-01 | 1620.000 | Elec/Mech Rehab and Sludge Holding Tank Replacement Project | Treanor | 4/30/18 | 7/25/23 | \$5,000,000 | \$10,946,671 | Award/Contracting | Mech Rehab and Sludge Holding Tank Replacement Project | | | | | |
| 18-05 | 5858.004 | PLC/SCADA Programming | Foley | 10/8/18 | 7/30/21 | \$200,000 | \$473,297 | SCADA Screens 80% Complete | SCADA Programming | | | | | |
| 18-11 | 1611.000 | Microturbine Integration Project | Treanor/Foley | 6/4/19 | 6/30/22 | \$150,000 | \$205,114 | Purchasing Standby Gas Compressor | Microturbine Integration Project | | | | | |
| 19-01 | 1630.000 | Onsite Flood Mitigations | Waggoner | 7/1/19 | 6/30/22 | \$0 | \$21,788 | Converting to O&M Procedures | Onsite Flood Mitigations | | | | | |
| 18-28 | 1626.000 | Perimeter Tree Plan and Implementation | Treanor | 7/1/19 | 6/30/26 | \$60,000 | \$237,897 | Determining Tree Types / Final Landscape Plan for Interior | Perimeter Tree Plan and Implementation | | | | | |
| 21-01 | 5982.004 | WWTP Eucalyptus Pruning | Treanor | 7/1/20 | 2/1/22 | \$130,000 | \$150,376 | Pending Bidding for Work in Non-Nesting Season | WWTP Eucalyptus Pruning | | | | | |
| 19-21 | 1993.000 | Carmel River FREE Mitigation | Treanor | 6/1/20 | 11/30/22 | \$0 | \$0 | Design/CEQA/ Developing Funding Agreement | Carmel River FREE Mitigation | | | | | |
| 21-03 | 5500.006 | Cathodic Protection Testing | Treanor | 7/1/20 | 6/30/22 | \$30,000 | \$30,000 | Pre-Design of Upgrades | Cathodic Protection Testing | | | | | |
| 19-19 | 1634.000 | Aeration Basin Improvements | Waggoner | 7/1/20 | 6/30/21 | \$0 | \$9,030 | Materials Onsite Pending Installation in June | Aeration Basin Improvements | | | | | |
| | | Perimeter Fencing | Foley | 7/1/21 | 6/29/22 | \$200,000 | \$200,000 | Inactive | Perimeter Fencing | | | | | |
| | | Treatment Plant Studies & O&M Manuals | Treanor | 5/1/20 | 3/1/22 | | | | Treatment Plant Studies & O&M Manuals | | | | | |
| | 5500.006 | Coastal Hazards Monitoring Plan | Treanor | 5/1/20 | 4/30/21 | \$75,000 | \$1,050,000 | Draft Submitted to Coastal Commission | Coastal Hazards Monitoring Plan | | | | | |
| | 5500.006 | Long Term SLR Planning | Treanor | 5/3/21 | 3/1/22 | \$100,000 | \$1,400,000 | Inactive | Long Term SLR Planning | | | | | |
| | | Reclamation Projects | | | | | | | | | | | | |
| 18-26 | 14777 | Sulfuric Acid and Citric Acid Storage and Feed Systems | Treanor | 1/1/19 | 7/29/22 | \$370,000 | \$438,743 | Award/Contracting | Sulfuric Acid and Citric Acid Storage and Feed Systems | | | | | |
| | | SCADA Migration | Foley | 7/1/21 | 6/30/22 | \$140,000 | \$140,000 | Inactive | SCADA Migration | | | | | |
| | | Reclamation Studies | Treanor | 7/2/18 | 6/30/22 | | | | Reclamation Studies | | | | | |
| | 69200 | Trussell MF/RO Performance Review | Treanor | 7/2/18 | 6/30/22 | \$32,000 | \$115,000 | In Study Phase | Trussell MF/RO Performance Review | | | | | |
| | 69200 | Trussell Brine Dilution Study | Treanor | 7/1/21 | 6/30/22 | \$31,000 | \$115,000 | In Study Phase | Trussell Brine Dilution Study | | | | | |
| | | Reclamation 15-Year Asset Management Assessment | Treanor | 7/1/21 | 6/1/22 | \$50,000 | \$50,000 | Inactive | Reclamation 15-Year Asset Management Assessment | | | | | |
| | | Collections Projects | | | | | | | | | | | | |
| 19-02 | | Pretreatment Ordinance | Lather | 11/15/19 | 5/14/21 | \$0 | \$0 | Under Committee Review | Pretreatment Ordinance | | | | | |
| 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 | | | | | |
| 19-13 | 1625.000 | Upper Rancho Canada Pipe Relocation | Lather | 7/1/19 | 10/29/21 | \$1,760,000 | \$1,912,475 | In Construction | Upper Rancho Canada Pipe Relocation | | | | | |
| 19-08 | 1632.000 | Carmel Valley Manor Pipeline and Pump Station | Lather | 7/3/18 | 12/10/21 | \$0 | \$0 | Design by Owner Construction Planned Upon Completion of Annexation | Carmel Valley Manor Pipeline and Pump Station | | | | | |
| 20-07 | 1636.000 | Bay/Scenic Pump Station Rehabilitation | Lather | 12/31/20 | 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 | 6/30/22 | \$1,200,000 | \$1,280,276 | In Design | Scenic Rd Pipe Bursting - Ocean to Bay | | | | | |

| Project Number | GL | Task Name | Manager | Start | Finish | Current FY Budget | Cumulative Budget | Status | 2020 | | 2021 | | 2022 | |
|----------------|----------|--|---------|---------|---------|-------------------|-------------------|---|------|----|------|----|------|----|
| | | | | | | | | | H1 | H2 | H1 | H2 | H1 | H2 |
| 21-02 | 6130.005 | 2021 Pipeline Spot Repairs | Lather | 7/1/21 | 7/1/22 | \$150,000 | \$150,000 | Re-Bid | | | | | | |
| 21-06 | 6140.005 | Manhole Rehabilitation | Lather | 7/1/21 | 7/1/22 | \$150,000 | \$150,000 | Design In House | | | | | | |
| 21-05 | 1637.000 | Pescadero Creek Area Pipe Relocation | Lather | 7/1/21 | 6/30/23 | \$450,000 | \$1,700,000 | Prelim Engineering Report | | | | | | |
| 21-07 | | Mission & San Carlos Sewer Rehabilitation from Ocean to 2nd | Lather | 7/1/21 | 6/30/23 | \$250,000 | \$962,500 | Consultant Request For Proposal in September 2021 | | | | | | |
| 20-05 | | River Watch Agreement | Lather | 2/21/20 | 2/21/24 | \$0 | \$0 | Work In Progress | | | | | | |
| 20-06 | | Collections 20-Year CIP | Lather | 7/1/20 | 7/1/40 | \$0 | \$29,489,616 | Work In Progress | | | | | | |
| | | Assessment Districts/Annexations | Lather | 8/2/18 | 3/1/23 | | | | | | | | | |
| 19-09 | 5500.005 | 2020 Sphere of Influence Amendment and Annexation Proposal | Lather | 3/15/19 | 7/30/21 | \$0 | \$50,000 | Pending Recording By CA State | | | | | | |
| 18-21 | 1631.000 | Corona Road Assessment District | Lather | 8/2/18 | 12/2/22 | \$0 | \$0 | In Preliminary Design | | | | | | |
| 19-04 | 2510.000 | Carmel Highlands Sewer Collection System Expansion – Yankee Point and Otter Cove | Lather | 3/1/21 | 3/1/23 | \$0 | \$0 | In Study Phase | | | | | | |



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

| | | |
|-----------------------------|---|-------------------|
| Project Number: | 18-01 | |
| Project Name: | Wastewater Treatment Plant (WWTP) – Elec/Mech Rehab & Sludge Holding Tank Replacement Project | |
| Project Location: | Wastewater Treatment Plant | |
| Project Manager: | Treanor | |
| Status: | Award/Contracting | |
| Project Description: | This Project is a multi-area project at the WWTP aimed at mitigating risk of failure in the Influent Pump Station, Headworks, 3W/Chlorine Analyzer Building, Effluent Building and Sludge Storage Tank. Most of the work involves replacing aged electrical and mechanical equipment in existing buildings. | |
| Department: | Treatment | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$10,946,671 | \$896,671 |
| Financial: | FY Budget: | FY Spent: |
| | \$5,000,000 | \$0 |
| Reclamation Share: | Estimated at 4% of project cost. Actual share TBD based on Construction Costs. | |
| Other Entities: | Pebble Beach Community Services District, CAWD/PBCSD Reclamation Project | |
| Permits Required: | Coastal Commission Notification | |
| Challenges: | Electrical Cutover Coordination | |
| Schedule: | <ul style="list-style-type: none"> Construction anticipated for FY21/22 into FY22/23 | |
| Consultants: | Design: Kennedy/Jenks Consultants Construction Management: Currie Engineers | |
| Contractor: | Clark Bros. | |

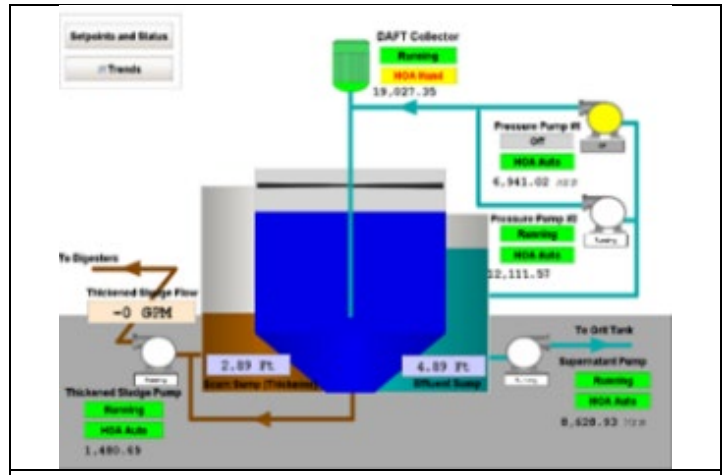


Photo: DAFT SCADA Overview

| | | |
|-----------------------------|--|-------------------|
| Project Number: | 18-05 | |
| Project Name: | Programmable Logic Controller (PLC) and Supervisory Control and Data Acquisition (SCADA) Programming Project | |
| Project Location: | Wastewater Treatment Plant | |
| Project Manager: | Foley | |
| Status: | SCADA Screens 80% complete | |
| Project Description: | During the Phase 1 project a new SCADA software package from Inductive Automation was installed to parallel the existing system. This project includes the migration of the remaining SCADA screens from the legacy system to the new system. The PLC code is also being updated to the CAWD standards that are being developed during this project. This project is necessary to replace obsolete software and hardware so that the automated controls, alarms, and reporting remain accurate and reliable. | |
| Department: | Treatment | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$473,297 | \$273,297 |
| Financial: | FY Budget: | FY Spent: |
| | \$200,000 | \$0 |
| Reclamation Share: | Partial Reclamation | |
| Schedule: | <ul style="list-style-type: none"> Some minor additional work remains and will roll over into FY21/22. | |
| Consultants: | Frisch Engineering | |



Photo: Existing Gas Conditioning System

| | | | | | | | | | |
|---|---|--------------------|-----------|-------------------|----------|------------|-----------|-----------|-----|
| Project Number: 18-11 | | | | | | | | | |
| Project Name: Microturbine Integration Project | | | | | | | | | |
| Project Location: Wastewater Treatment Plant | | | | | | | | | |
| Project Manager: Treanor/Foley | | | | | | | | | |
| Status: Purchasing Standby Gas Compressor | | | | | | | | | |
| Project Description: | Overhaul of existing gas conditioning system and controls for the microturbines. The existing gas conditioning system has been having repeated mechanical failures which reduces the amount of time the Microturbines are in service. Significant overhaul of controls is needed to integrate the new 65kW turbine. CAWD is looking into a new gas conditioning system in case the existing system is not sufficient to treat the gas after the larger 65kW turbine is placed in service. | | | | | | | | |
| Department: | Treatment | | | | | | | | |
| Financial: | <table border="1"> <tr> <td>Cumulative Budget:</td> <td>\$205,114</td> <td>Cumulative Spent:</td> <td>\$55,114</td> </tr> <tr> <td>FY Budget:</td> <td>\$150,000</td> <td>FY Spent:</td> <td>\$0</td> </tr> </table> | Cumulative Budget: | \$205,114 | Cumulative Spent: | \$55,114 | FY Budget: | \$150,000 | FY Spent: | \$0 |
| Cumulative Budget: | \$205,114 | Cumulative Spent: | \$55,114 | | | | | | |
| FY Budget: | \$150,000 | FY Spent: | \$0 | | | | | | |
| Reclamation Share: | N/A | | | | | | | | |
| Other Entities: | N/A | | | | | | | | |
| Permits Required: | Air Board Permit | | | | | | | | |
| Challenges: | Complexity of System | | | | | | | | |
| Schedule: | <ul style="list-style-type: none"> Ongoing | | | | | | | | |
| Consultants: | Frisch Engineering (programming) | | | | | | | | |
| Contractor: | N/A | | | | | | | | |

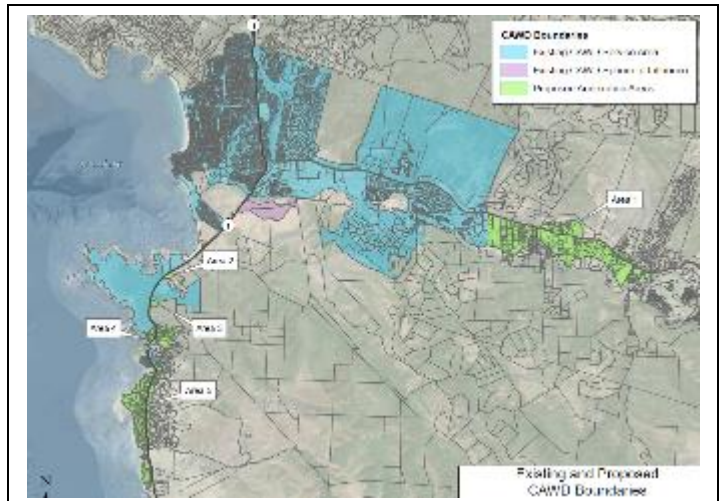


Photo: Areas of Potential Annexation

| | | | | | | | | | |
|--|--|--------------------|---------------------|-------------------|----------|------------|-----|-----------|----------|
| Project Number: 18-21, 19-04, 19-09 | | | | | | | | | |
| Project Name: 2021 CAWD Sphere of Influence (SOI) Amendment & Annexation Proposal | | | | | | | | | |
| Project Location: Collection System | | | | | | | | | |
| Project Manager: Lathér | | | | | | | | | |
| Status: Pending Recording by CA State | | | | | | | | | |
| Project Description: | The project will provide access for homes and businesses currently on septic systems and add approximately 350 connections to the District at build-out. Interested areas include Corona Road, Riley Ranch, Carmel Valley Manor and Yankee Point & Otter Cove. | | | | | | | | |
| Department: | Collections | | | | | | | | |
| Financial: | <table border="1"> <tr> <td>Cumulative Budget:</td> <td>\$105,000 (55K+50K)</td> <td>Cumulative Spent:</td> <td>\$51,767</td> </tr> <tr> <td>FY Budget:</td> <td>\$0</td> <td>FY Spent:</td> <td>\$26,527</td> </tr> </table> | Cumulative Budget: | \$105,000 (55K+50K) | Cumulative Spent: | \$51,767 | FY Budget: | \$0 | FY Spent: | \$26,527 |
| Cumulative Budget: | \$105,000 (55K+50K) | Cumulative Spent: | \$51,767 | | | | | | |
| FY Budget: | \$0 | FY Spent: | \$26,527 | | | | | | |
| ** No Budget included for Annexation b/c costs will be recouped through annexation fees. | | | | | | | | | |
| Permits Required: | Environmental Review, LAFCO Annexation Approval | | | | | | | | |
| Challenges: | #18-21 Working with homeowner groups to form a Corona Road Assessment District to pay for infrastructure that is needed to connect to our sewer system. Funds from homeowner in the amount of \$67K received by CAWD. | | | | | | | | |
| Schedule: | LAFCO annexation hearing on 3-22-21. Approved with zero protests. | | | | | | | | |
| Consultant: | Denise Duffy & Associates | | | | | | | | |



Photo: Existing totes used for Sulfuric Acid storage and Feed

| | | |
|-----------------------------|--|-------------------|
| Project Number: | 18-26 | |
| Project Name: | Sulfuric Acid & Citric Acid Storage & Feed Systems Project | |
| Project Location: | Reclamation – Microfiltration (MF)/Reverse Osmosis (RO) | |
| Project Manager: | Treanor | |
| Status: | Award/Contracting | |
| Project Description: | Code compliance upgrades for existing acid chemical storage and feed system used by Reclamation for enhancing RO recovery. Project includes code compliant secondary containment and separation of dissimilar chemicals. | |
| Department: | Treatment | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$438,743 | \$68,743 |
| Financial: | FY Budget: | FY Spent: |
| | \$370,000 | \$0 |
| Reclamation Share: | 100% | |
| Other Entities: | Reclamation Project | |
| Permits Required: | Coastal Commission Notification | |
| Challenges: | N/A | |
| Schedule: | <ul style="list-style-type: none"> • Bid Summer 2021 • Construction 2021/2022 | |
| Consultants: | Trussell Technologies, Inc | |
| Contractor: | TBD | |



Photo: Eucalyptus trees on South Side of Treatment Plant

| | | |
|-----------------------------|--|-------------------|
| Project Number: | 18-28 | |
| Project Name: | Perimeter Tree Plan and Implementation | |
| Project Location: | Wastewater Treatment Plant | |
| Project Manager: | Treanor | |
| Status: | Determining Tree Types / Final Landscape Plan for Interior | |
| Project Description: | Planning and landscaping around the treatment plant. This will include looking into possibly replacing the non-native eucalyptus trees around the perimeter of the treatment plant with native tree species. The project will start with a study and a plan to determine costs, sequencing schedule, and visual impacts. The eucalyptus trees around the plant have ongoing maintenance costs which may be offset in the long term with different type of tree screening. Purpose is to improve security around plant perimeter. | |
| Department: | Treatment | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$237,897 | \$2,897 |
| Financial: | FY Budget: | FY Spent: |
| | \$60,000 | \$0 |
| Reclamation: | N/A | |
| Other Entities: | N/A | |
| Permits Required: | Currently unknown (In Study Phase) | |
| Challenges: | Time it will take for new trees to grow up that will fully screen treatment plant from view | |
| Schedule: | <ul style="list-style-type: none"> • Study to occur in 2021 | |
| Consultants: | Scott Hall Landscape Design | |
| Contractor: | TBD | |



Photo: Old Flood Door in Headworks Basement

| | | |
|-----------------------------|---|-------------------|
| Project Number: | 19-01 | |
| Project Name: | Critical Process Minor Onsite Flood Mitigations | |
| Project Location: | Wastewater Treatment Plant | |
| Project Manager: | Waggoner | |
| Status: | Converting to O&M Procedures | |
| Project Description: | There are a few areas of the WWTP that may be vulnerable to inundation during a 100-year river flooding event. Although the actual impact to the process in the event of inundation of these areas may be minor, it would be prudent to mitigate any possible impacts of flooding on the treatment process. Staff are working on procedures and housekeeping practices to keep the site prepped for flooding. | |
| Department: | Treatment | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$21,788 | \$21,788 |
| Financial: | FY Budget: | FY Spent: |
| | \$0 | \$0 |
| Reclamation Share: | 15% Reclamation | |
| Other Entities: | Reclamation Project | |
| Permits Required: | Coastal Commission Notification | |
| Challenges: | N/A | |
| Schedule: | <ul style="list-style-type: none"> • Planning performed in 2019 • Modifications in 2021 | |
| Consultants: | N/A | |
| Contractor: | TBD | |

PRE-TREATMENT ORDINANCE
2020-XX



CARMEL AREA WASTEWATER DISTRICT

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



Photo: View gravity pipe in Carmel easement

| | | |
|---|--------------------|-------------------|
| Project Number: 19-03 | | |
| Project Name: Carmel Meadows Sewer Replacement | | |
| Project Location: Collection System | | |
| Project Manager: Lathér | | |
| Status: In Design / California Environmental Quality Act (CEQA) | | |
| Project Description: The project will replace 1,300 feet of Ductile Iron Pipe (DIP) on an aerial span and eight manholes by constructing a small pump station at the end of Mariposa Drive. This project is located on an easement parallel to Ribera Road and was originally installed in the early 1960's. | | |
| Department: Collections | | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$2,014,551 | \$364,551 |
| Financial: | FY Budget: | FY Spent: |
| | \$150,000 | \$0 |
| Permits Required: Coastal Permit and Environmental Review | | |
| Challenges: Redirecting the sewer to the pump station without requiring booster pumps for individual houses. | | |
| Schedule: Design FY20/21. Construct FY21/22. | | |
| Consultants: SRT Consultants | | |
| Contractor: TBD | | |



Photo: Entrance to Carmel Valley Manor

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



Photo: View of proposed sewer line realignment

| | | | | | | | | | |
|-----------------------------|--|--------------------|-------------------|-------------|-----------|------------|-----------|-------------|-----|
| Project Number: | 19-13 | | | | | | | | |
| Project Name: | Upper Rancho Cañada Pipe Relocation | | | | | | | | |
| Project Location: | Collection System | | | | | | | | |
| Project Manager: | Lathér | | | | | | | | |
| Status: | In Construction | | | | | | | | |
| Project Description: | This project relocates an existing sewer trunk line that serves the eastern most assets of the District and is located within the proposed County Park at Rancho Cañada. The trunk line varies in size from a 12-inch to 8-inch diameter and is made of Truss pipe material that was installed in the early 1970's. The pipe is damaged in many locations, has capacity issues, and was identified as a priority in the Asset Management Plan. | | | | | | | | |
| Department: | Collection | | | | | | | | |
| Financial: | <table border="1"> <tr> <td>Cumulative Budget:</td> <td>Cumulative Spent:</td> </tr> <tr> <td>\$1,912,586</td> <td>\$172,586</td> </tr> <tr> <td>FY Budget:</td> <td>FY Spent:</td> </tr> <tr> <td>\$1,760,000</td> <td>\$0</td> </tr> </table> | Cumulative Budget: | Cumulative Spent: | \$1,912,586 | \$172,586 | FY Budget: | FY Spent: | \$1,760,000 | \$0 |
| Cumulative Budget: | Cumulative Spent: | | | | | | | | |
| \$1,912,586 | \$172,586 | | | | | | | | |
| FY Budget: | FY Spent: | | | | | | | | |
| \$1,760,000 | \$0 | | | | | | | | |
| Other Entities: | Monterey Regional Park District | | | | | | | | |
| Permits Required: | Environmental Review | | | | | | | | |
| Challenges: | Providing a design that allows CAWD access to assets and is acceptable to the Park District. | | | | | | | | |
| Schedule: | Design FY 19/20. Construct FY 20/21. | | | | | | | | |
| Consultants: | MNS Engineering Rincon Environmental | | | | | | | | |
| Contractor: | Graniterock | | | | | | | | |



Photo: Existing air diffuser system

| | | |
|-----------------------------|---|-------------------|
| Project Number: | 19-19 | |
| Project Name: | WWTP – Aeration Basin Improvements | |
| Project Location: | Wastewater Treatment Plant | |
| Project Manager: | Waggoner | |
| Status: | Materials Onsite Pending Installation in Sept/Oct 2021 | |
| Project Description: | The Aeration Basins 4A & 4B need to have additional diffusers installed to ensure the proper air (oxygen) transfer into the wastewater to support the aerobic microorganisms in the basins. | |
| Department: | Treatment | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$9,030 | \$9,030 |
| | FY Budget: | FY Spent: |
| | \$0 | \$0 |
| Reclamation Share: | Estimated at 0% of project cost. | |
| Other Entities: | N/A | |
| Permits Required: | N/A | |
| Challenges: | Weather conditions and Scheduling | |
| Schedule: | <ul style="list-style-type: none"> • Design is complete • Materials ordered and received • Construction anticipated for Fall 2021 | |
| Consultants: | N/A | |
| Contractor: | TBD | |

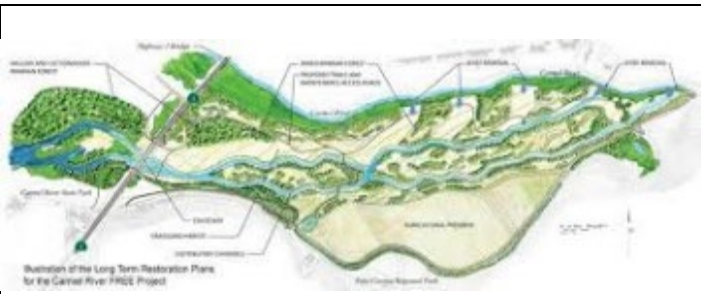


Photo: Carmel River Floodplain Restoration and Environmental Enhancement (CRFREE)

| | | |
|---|---|--|
| Project Number: | 19-21 | |
| Project Name: | Carmel River Floodplain Restoration & Environmental Enhancement (CRFREE) Mitigation | |
| Project Location: | Carmel River Lagoon | |
| Project Manager: | Treanor | |
| Status: | Design/CEQA/Developing Funding Agreement | |
| Project Description: | The CRFREE Project intends to create a new river channel in the Carmel River lagoon floodplain, which will significantly impact existing wastewater pipelines that cross the lagoon. To fully mitigate impacts from CRFREE the pipelines which are currently crossing over a portion of the lagoon are proposed to be installed underground using Horizontal Directional Drilling construction methods. | |
| Department: | Engineering | |
| Financial: | Coastal Conservancy Grant Budget: \$750,000 | Cumulative Spent: \$480,141 FY Spent: \$0 |
| ** Project is being funded by CRFREE initiated grants | | |
| Reclamation Share: | 0% | |
| Other Entities: | Monterey County | |
| Permits Required: | Coastal Commission, CA Fish and Wildlife, Army Corp of Engineers, Reginal Water Quality Control Board (RWQCB) | |
| Challenges: | Construction near environmentally sensitive habitat and obtaining new easement from State Parks | |
| Schedule: | <ul style="list-style-type: none"> Design and CEQA anticipated completion Summer 2021 Construction anticipated in Summer 2022 | |
| Consultants: | Design: Kennedy Jenks and Staheli Trenchless CEQA: Johnson Marigot | |
| Contractor: | Pending | |



Photo: River Watch logo

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

| LAWD Collection Dept - CIP | | FY 2020/21 thru 2026/27 | | | | | | | | | | |
|----------------------------|---|-------------------------|-------------|-------------|-----------|-------|-------|-------|-------|-------|-------|-------|
| Project # | PROJECT | 2020 | 21/22 | 22/23 | 23/24 | 24/25 | 25/26 | 26/27 | 27/28 | 28/29 | 29/30 | 30/31 |
| 1 | Causal Meadows Pipeline (Cauci Over) | \$185,000 | \$1,000,000 | | | | | | | | | |
| 2 | Water Canyon Pipeline Pipe Relining | \$1,450,000 | | | | | | | | | | |
| 3 | Upper Canyon Pipeline Pipe Relining | \$1,700,000 | | | | | | | | | | |
| 4 | Upper Canyon Pipeline Pipe Relining | \$1,000,000 | \$150,000 | \$150,000 | | | | | | | | |
| 5 | Upper Canyon Pipeline Pipe Relining | \$1,000,000 | \$150,000 | \$150,000 | | | | | | | | |
| 6 | Upper Canyon Pipeline Pipe Relining | \$1,000,000 | \$150,000 | \$150,000 | | | | | | | | |
| 7 | Chemical Injection or Treatment Pump Station | \$140,000 | | | | | | | | | | |
| 8 | Water Valve PS and Station - South of Santa Lucia | | \$1,100,000 | | \$200,000 | | | | | | | |
| 9 | 17th Avenue to Hill Road | | \$700,000 | | \$700,000 | | | | | | | |
| 10 | Upper Canyon Pipeline Pipe Relining | | \$400,000 | \$2,000,000 | | | | | | | | |
| 11 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 12 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 13 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 14 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 15 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 16 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 17 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 18 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 19 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 20 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 21 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 22 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 23 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 24 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 25 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 26 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 27 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 28 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 29 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 30 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 31 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 32 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 33 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 34 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 35 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 36 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 37 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 38 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 39 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 40 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 41 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 42 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 43 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 44 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 45 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 46 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 47 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 48 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 49 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 50 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 51 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 52 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 53 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 54 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 55 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 56 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 57 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 58 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 59 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 60 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 61 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 62 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 63 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 64 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 65 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 66 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 67 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 68 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 69 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 70 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 71 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 72 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 73 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 74 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 75 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 76 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 77 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 78 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 79 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 80 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 81 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 82 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 83 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 84 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 85 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 86 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 87 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 88 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 89 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 90 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 91 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 92 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 93 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 94 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 95 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 96 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 97 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 98 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 99 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |
| 100 | Water Valve PS and Station - Hill Road | | \$150,000 | | \$150,000 | | | | | | | |

Photo: LT Capital Schedule

| | | |
|--|---|--|
| Project Number: 20-06 | | |
| Project Name: Collections 20-Year CIP | | |
| Project Location: Collection System | | |
| Project Manager: Lathér | | |
| Status: Work in Progress | | |
| Project Description: Utilize updated sewer line inspection information and flow modeling to develop a 20-year Construction Improvement Plan | | |
| Department: Collections | | |
| Projection of Total Capital Costs-20-Yr \$60M | Construction Costs: \$50M | Administration Costs: \$10M (20% engineering, legal, admin.) |
| Financial: | Cumulative 15YR Budget: EST \$30M | Cumulative Spent: N/A |
| | FY Budget: N/A | FY Spent: N/A |
| Reclamation Share: | 0% | |
| Other Entities: | River Watch | |
| Permits Required: | none | |
| Challenges: | Need all pipeline CCTV results to be completed to develop plan. | |
| Schedule: | 2020 - 2040 | |
| Consultants: | West Yost | |
| Contractor: | N/A | |



Photo: Looking at Pump Station Exterior

| | | |
|---|---|---------------------------|
| Project Number: 20-07 | | |
| Project Name: Bay/Scenic Pump Station Rehabilitation | | |
| Project Location: Collection System | | |
| Project Manager: Lathér | | |
| Status: In Design | | |
| Project Description: Remodel the interior of the pump station and update SCADA panel to remove from areas prone to flooding. | | |
| Department: Collections | | |
| Financial: | Cumulative Budget: \$756,726 | Cumulative Spent: \$6,726 |
| | FY Budget: \$250,000 | FY Spent: \$0 |
| Reclamation Share: | 0% | |
| Other Entities: | Carmel-by-the-Sea, Coastal Commission | |
| Permits Required: | Exemptions from CEQA & Coastal Commission | |
| Challenges: | Traffic Control | |
| Schedule: | Design 2021, Construct 2022 | |
| Consultants: | SRT | |
| Contractor: | Pending | |



Photo: Pipe Bursting Limits on Scenic

| | | |
|--|--------------------------------|----------------------------|
| Project Number: 20-08 | | |
| Project Name: Scenic Rd Pipe Bursting - Ocean to Bay | | |
| Project Location: Collection System | | |
| Project Manager: Lathér | | |
| Status: In Design | | |
| Project Description: Replace approximately 4,950 linear feet of existing 6-inch clay pipe with a new 8-inch (HDPE) and includes manhole rehabilitation. | | |
| Department: Collections | | |
| Financial: | Cumulative Budget: \$1,280,276 | Cumulative Spent: \$80,276 |
| | FY Budget: \$1,200,000 | FY Spent: \$0 |
| Reclamation Share: | | 0% |
| Other Entities: Carmel-by-the-Sea, Coastal | | |
| Permits Required: Exemptions from CEQA & Coastal Commission | | |
| Challenges: Traffic Control & poorly mapped Underground Utilities | | |
| Schedule: Design 2021, Construct 2022 | | |
| Consultants: Pending | | |
| Contractor: MNS | | |



Photo: WWTP Aerial Showing Eucalyptus Trees Around Perimeter

| | | |
|--|------------------------------|----------------------------|
| Project Number: 21-01 | | |
| Project Name: WWTP Eucalyptus Pruning | | |
| Project Location: Wastewater Treatment Plant | | |
| Project Manager: Treanor | | |
| Status: Pending Bidding for Work in Non-Nesting Season | | |
| Project Description: Trim Eucalyptus Trees around WWTP to control overgrowth of trees and mitigate spread of non-native tree. | | |
| Department: | | Treatment |
| Financial: | Cumulative Budget: \$150,376 | Cumulative Spent: \$20,376 |
| | FY Budget: \$130,000 | FY Spent: \$0 |
| Reclamation Share: | | 0% |
| Other Entities: N/A | | |
| Permits Required: Coastal Commission Notification, County Tree Cutting Permit | | |
| Challenges: | | |
| Schedule: Tree Trimming anticipated during non-nesting season (fall-winter 21/22) | | |
| Consultants: Burleson Consulting (Environmental Monitoring) Frank Ono (Arborist) | | |
| Contractor: TBD | | |



Photo: Sewer Line Repair

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



Photo: Impressed Current Rectifier

| | | |
|--|-------------------------------|-------------------|
| Project Number: 21-03 | | |
| Project Name: Cathodic Protection Testing | | |
| Project Location: Treatment Plant | | |
| Project Manager: Treanor | | |
| Status: Pre-Design of Upgrades | | |
| Project Description: Testing and evaluation of existing 50-year old impressed current cathodic protection system for WWTP Ocean Outfall, and improvements design. | | |
| Department: Treatment | | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$30,000 | \$0 |
| Financial: | FY Budget: | FY Spent: |
| | \$30,000 | \$6,936 |
| Reclamation Share: | 0% | |
| Other Entities: | N/A | |
| Permits Required: | None | |
| Challenges: | None | |
| Schedule: | Complete by Mid 2022 | |
| Consultants: | Trident Corrosion Engineering | |
| Contractor: | N/A | |

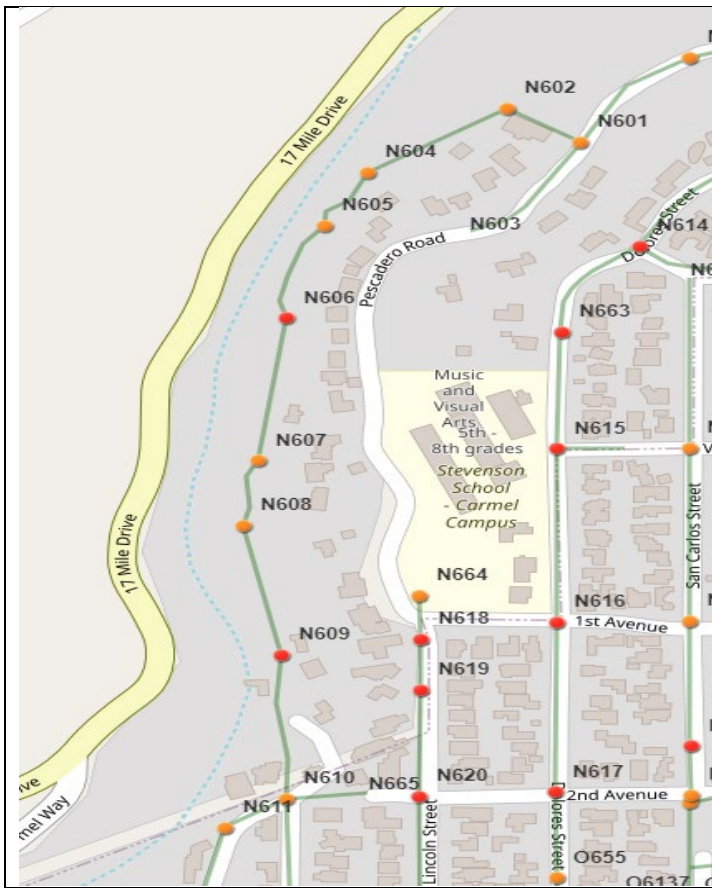


Photo: Sewer Line at Pescadero Creek

| | | | |
|-----------------------------|---------------------|-------------------|--|
| Project Number: | | | 21-05 |
| Project Name: | | | Pescadero Creek Area Pipe Relocation |
| Project Location: | | | Collection System |
| Project Manager: | | | Lather |
| Status: | | | Prelim Engineering Report |
| Project Description: | | | Relocate damaged pipe from creek slope to roadway |
| Department: | | | Collections |
| Financial: O&M | Cumulative Budget: | Cumulative Spent: | \$0 |
| | \$1,700,00 | | |
| | FY Budget: | FY Spent: | \$0 |
| | \$450,000 (FY21-22) | | |
| Reclamation Share: | | | 0% |
| Other Entities: | | | N/A |
| Permits Required: | | | Environmental Review |
| Challenges: | | | Narrow road, depth of manhole, houses to be placed on individual pumps |
| Schedule: | | | Start design, public outreach & Environmental in Fall 2021 |
| Consultants: | | | MNS, Denise Duffy |
| Contractor: | | | TBD |

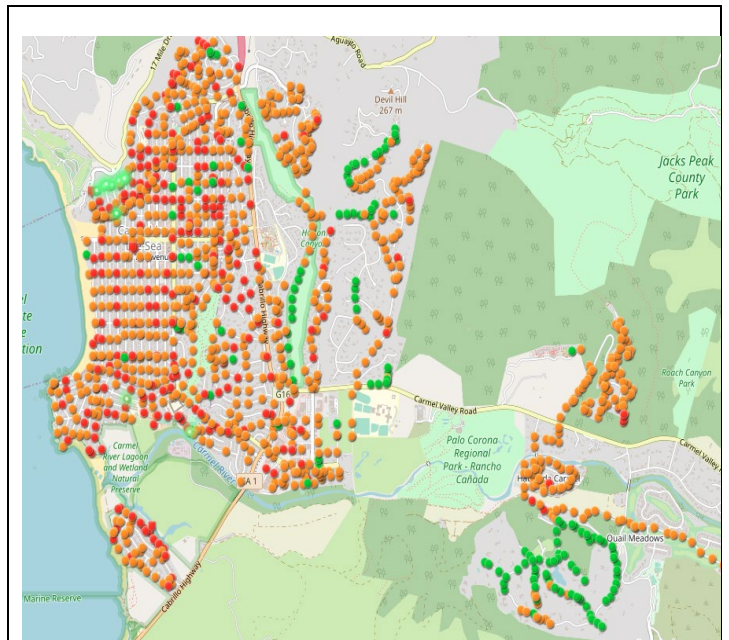


Photo: Manhole Inspection Map

| | | | |
|-----------------------------|--------------------|-------------------|--|
| Project Number: | | | 21-06 |
| Project Name: | | | Manhole Rehab |
| Project Location: | | | Collection System |
| Project Manager: | | | Lather |
| Status: | | | Design in House |
| Project Description: | | | Line Manholes with a solvent-free rigid polyurethane material that seals surface and provides structural integrity |
| Department: | | | Collections |
| Financial: | Cumulative Budget: | Cumulative Spent: | \$0 |
| | \$ 1,50,000 | | |
| | FY Budget: | FY Spent: | \$0 |
| | \$150,000 | | |
| Reclamation Share: | | | 0% |
| Other Entities: | | | N/A |
| Permits Required: | | | None |
| Challenges: | | | Traffic Control |
| Schedule: | | | Complete by Mid 2022 |
| Consultants: | | | None |
| Contractor: | | | TBD |

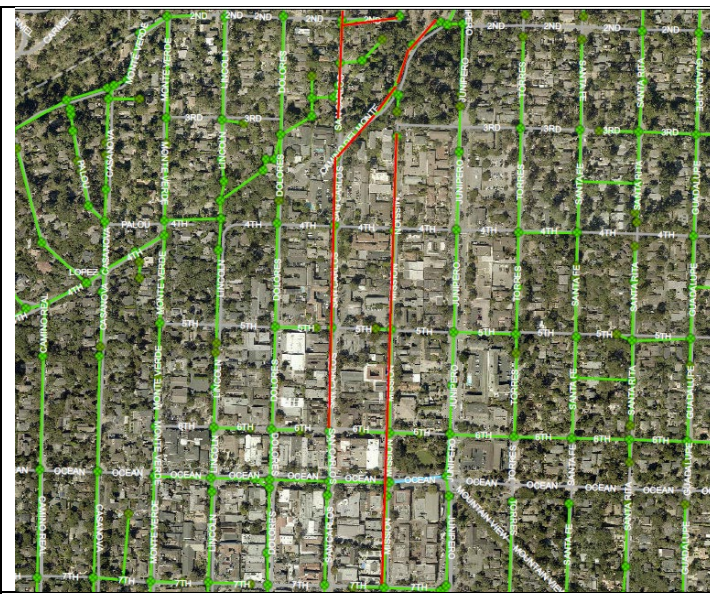


Photo: Sewer Line Rehab Location

| | | |
|---|---|-------------------|
| Project Number: 21-07 | | |
| Project Name: Mission & San Carlos Sewer Rehabilitation from Ocean to 2nd | | |
| Project Location: Collection System | | |
| Project Manager: Lather | | |
| Status: Consultant Request For Proposal (RFP) in September 2021 | | |
| Project Description: Replace or pipe burst existing sewer on Mission and on San Carlos | | |
| Department: Collections | | |
| Financial: O&M | Cumulative Budget: | Cumulative Spent: |
| | \$962,500 | \$0 |
| | FY Budget: | FY Spent: |
| | \$250,000 | \$0 |
| Reclamation Share: | 0% | |
| Other Entities: | N/A | |
| Permits Required: | City of Carmel-by-the-Sea | |
| Challenges: | Traffic control in area of town, depth of repair. | |
| Schedule: | Complete by July 1, 2023 | |
| Consultants: | TBD | |
| Contractor: | TBD | |

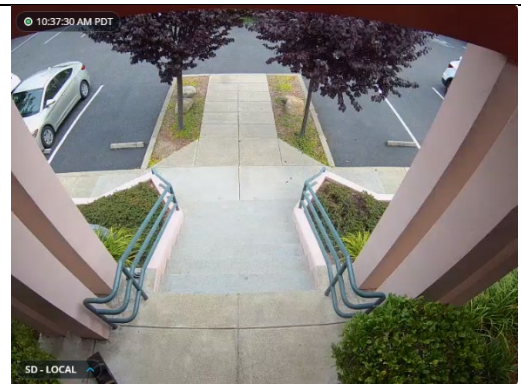


Photo: Security Cameras – Admin View

| | | |
|--|--|-------------------|
| Project Number: TBD | | |
| Project Name: Administration Access Control and Security Cameras | | |
| Project Location: 3945 Rio Road | | |
| Project Manager: Chris Foley | | |
| Status: Procurement | | |
| Project Description: Install 1 additional security camera and door access controller with card readers. | | |
| Department: Administration | | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$ | \$ |
| | FY Budget: | FY Spent: |
| | \$19,291 | \$ |
| Other Entities: | None | |
| Permits Required: | None | |
| Challenges: | Adequate Coverage with minimal hardware. | |
| Schedule: | Construction to begin in September | |
| Consultants: | Verkada Security Systems | |
| Contractor: | Johnson Electronics | |



Photo: Security Cameras – Plant Gate View

| | | | |
|-----------------------------|--------------------|--|--|
| Project Number: | | TBD | |
| Project Name: | | Treatment Plant Access Control and Camera Project | |
| Project Location: | | Treatment Plant | |
| Project Manager: | | Chris Foley | |
| Status: | | Procurement | |
| Project Description: | | Install additional security cameras to monitor vehicle storage and treatment plant site. Replace gate access controller with more secure platform. | |
| Department: | | Maintenance | |
| Financial: | Cumulative Budget: | Cumulative Spent: | |
| | \$ | \$ | |
| Financial: | FY Budget: | FY Spent: | |
| | \$24,000 | \$ | |
| Other Entities: | | None | |
| Permits Required: | | None | |
| Challenges: | | Adequate Coverage with minimal hardware. | |
| Schedule: | | Construction to begin in September | |
| Consultants: | | Verkada Security Systems | |
| Contractor: | | Johnson Electronics | |



ADP Workforce Now

Photo: ADP Clip Art

| | | |
|-----------------------------|--|-------------------|
| Project Number: | N/A | |
| Project Name: | Workforce Now | |
| Project Location: | All Supervisor Locations | |
| Project Manager: | Beth Ingram | |
| Status: | Contract signed waiting for implementation schedule and training | |
| Project Description: | Implementation of a comprehensive Human Resource (HR) software database for all supervisors and employees to utilize. Modules provide employee development tracking, benefits administration, custom performance review templates, and employee goal management. | |
| Department: | Administration | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$0 | \$2,520 |
| Financial: | FY Budget: | FY Spent: |
| | \$0 | \$2,520 |
| Challenges: | Employee training | |
| Schedule: | Anticipate full training by June 30 th , 2022 | |
| Consultants: | ADP | |



Photo: Caduceus

| | | |
|-----------------------------|--|-------------------|
| Project Number: | N/A | |
| Project Name: | Health Insurance Review | |
| Project Location: | Administration | |
| Project Manager: | Barbara Buikema | |
| Status: | Currently seeking quotes | |
| Project Description: | As part of employee negotiations for health insurance last year the District agreed to “shop” insurance rates. Currently looking at five different health insurance brokers. Next steps will be to preview information to Employee negotiating team. The final step is the presentation to the Salary & Benefit Committee prior to full roll out to the board. | |
| Department: | Administration | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$0 | \$0 |
| Financial: | FY Budget: | FY Spent: |
| | \$0 | \$0 |
| Schedule: | Must be complete by 12-15-21 or earlier depending on December board meeting scheduled date | |
| Consultants: | Beth Ingram, HR | |



Photo: Real Estate Clip Art

| | | |
|-----------------------------|---|-------------------|
| Project Number: | N/A | |
| Project Name: | Real Property Investigation | |
| Project Location: | Carmel Valley | |
| Project Manager: | Barbara Buikema | |
| Status: | Contract signed | |
| Project Description: | An investigation of possible treatment facility sites in the mouth of the Carmel Valley to respond to Coastal Commission requirement to move facilities within 30 years | |
| Department: | Administration | |
| Financial: | Cumulative Budget: | Cumulative Spent: |
| | \$75,000 | \$0 |
| Financial: | FY Budget: | FY Spent: |
| | \$75,000 | \$0 |
| Permits Required: | None – at this time | |
| Challenges: | Limited possibilities, regulatory hurdles, zoning | |
| Schedule: | 12 mos. | |
| Consultants: | Mahoney & Associates | |



Photo: Cyber Security Clip Art

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



Photo: Six Sigma Clip Art

| | | | |
|-----------------------------|----------------------|--|--|
| Project Number: | | N/A | |
| Project Name: | | Lean Six Sigma | |
| Project Location: | | Management staff | |
| Project Manager: | | Barbara Buikema | |
| Status: | | Training phase | |
| Project Description: | | Currently all managers have been assigned the task of earning a Yellow Belt by 09-01-21. Plan to move on with self-study course to Green Belt. Also, will investigate an in person trainer for implementation of a specific agreed upon project. | |
| Department: | | Administration | |
| Financial: | Cumulative Budget: | Cumulative Spent: | |
| | \$0 | \$0 | |
| Financial: | FY Budget: | FY Spent: | |
| | \$0 | \$0 | |
| Permits Required: | None | | |
| Challenges: | Implementation phase | | |
| Schedule: | Ongoing | | |
| Consultants: | Self-study online | | |
| Trainer: | To be determined | | |



Photo: California coastline

| | | | |
|-----------------------------|---|---|--|
| Project Number: | | N/A | |
| Project Name: | | Coastal Permit Monitoring Requirements | |
| Project Location: | | Treatment Plant | |
| Project Manager: | | Barbara Buikema/Patrick Treanor | |
| Status: | | Ongoing | |
| Project Description: | | As conditions of Coastal Permit #3-82-199-A8 - the District must submit a Long-Term Coastal Hazards Plan by 03-11-22. This shall describe the specifics that will be analyzed during the iterative planning process and identify triggers for when Executive Director review and approval is necessary. Progress reports are due at five-year intervals by 05/01/2025, 05/01/2030, etc. Must include and describe coastal hazard trends and changes since approval of this permit and efforts to monitor and address coastal hazards over time. | |
| Department: | | Administration | |
| Financial: | Cumulative Budget: | Cumulative Spent: | |
| | \$0 | \$0 | |
| Financial: | FY Budget: | FY Spent: | |
| | \$0 | \$0 | |
| Permits Required: | In response to California Coastal Commission | | |
| Challenges: | Establishing focus on long term objectives and committing to follow through items. | | |
| Schedule: | Draft Long-Term Coastal Hazard Plan will be complete by 01-02-22 | | |
| Consultants: | None at this time, however we anticipate and have provided for in long term coastal hazards monitoring planning budget. | | |

STAFF REPORT

To: Board of Directors

From: Ed Waggoner
Operations Superintendent

Date: August 26, 2021

Subject: Monthly Operations Report – July 2021



RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

Plant Operation

Treatment Plant:

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

Reclamation:

- Staff continued preventative maintenance work on pumps, motors, and any equipment that needs maintenance for the Microfiltration and Reverse Osmosis Systems.
- Staff completed Clean-in-Place (CIP) cleans on Microfiltration Cells 1, 2 and 3. All cells cleaned successfully with Trans Membrane Pressures (TMPs) pressures ranging between 4.0 to 8.7 pounds per square inch (psi).
- Staff completed Clean-in-Place cleaning on the following Reverse Osmosis Trains and stages in June: Trains A and B, stages 3 and 4.

- On July 29, Operations ordered 160 Scinor SMT600-S26 Modules for the Membrane Filtration (MF) System. Delivery is projected for 12 to 16 weeks from the time of order.
- July 26, Hach Company was onsite installing the new model SC4500, a demonstration controller, for assessment. The SC4500 controller is the first unit installed in the United States for any purpose.

Training:

- Staff continues to complete online training at the treatment facility from Target Solutions as Carmel Area Wastewater District implements its new safety policies for the Exposure Control Plan for the COVID-19 virus.
- Staff continues to participate in scheduled tailgate safety meetings with Collections leading the way by holding the meetings in the truck bays so social distancing can be practiced.

Capital Improvement:

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

Meetings Attended

- A July 1 meeting with Canada Woods Water Company on possible sewer connection to new main sewer pipeline from the Carmel Valley Manor Project.
- On July 1 operations staff and maintenance staff conducted a post project meeting for the Chlorination/Dechlorination pipe repair project. They reviewed the repair process and procedures including safety and staffing of the project.
- A July 13 Reclamation Oversight Committee Zoom meeting with Golf Course Superintendents for strategy of irrigation on the golf courses for the month of July.
- A July 20 Zoom meeting with Pacific Gas and Electric to review and discuss Carmel Area Wastewater District's current and future energy efficiency projects. Staff is waiting for paperwork to be completed to schedule an onsite walk of the treatment facility.

- A July 29 Zoom meeting with Iorex to review the Iorex corrosion control system installed in December of 2019 for the #1 water system on the Chlorine/Dechlorination Building. Laboratory testing indicated a reduction in iron particles/concentration levels along with signs of corrosion in the number one water system in the building.

Discharge Permit Violations

- There were no Reclamation Permit 93-72 discharge violations for the month of June 2021.
- There were no Violations of the National Pollutant Discharge Elimination System (NPDES) Number CA0047996, Order No. R3-2014-0012 within the month of June 2021.
- On July 28 the Food Waste System passed second quarter inspection by Inspector Javon Williams from the State of California Department of Food and Agriculture Meat, Poultry, & Egg Safety Branch.
- Staff has not received feedback from Central Coast Regional Water Quality Control Board on the submitted Toxicity Reduction Evaluation (TRE) Work Plan for Order No. RCA0047996 as set forth in Section V.2.a. Toxic Reduction Requirements on November 11, 2020. This plan is currently under review by the Central Coast Executive Officer to be certified for future use if needed.

FUNDING

N/A-Informational item only

STAFF REPORT



To: Board of Directors

From: Chris Foley, Maintenance Superintendent

Date: August 26, 2021

Subject: Monthly Maintenance Report – July 2021

RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

Maintenance Projects in Progress/Completed

- The waste gas burner pilot issue was resolved. The air and fuel adjustment valves were faulty. The internal components were loose which was causing the air/fuel ratio to change without any changes to the valve. The valves were replaced and the spark duration setpoint was changed to prevent multiple ignitions when starting.
- The automatic transfer switch (ATS) was replaced at Hacienda pump station. All the pump station ATS units are now standardized. Bryan Mailey Electric added inverters for the Comcast internet modems and audited the utility power alarms. Additional animation was added to the Supervisory Control and Data Acquisition (SCADA) system to provide better visibility into the power status of the stations if utility power is lost.
- A faulty water valve was discovered when disconnecting the water from the retired digester that is slated for removal. The valve has a minor leak. A&R Plumbing has been scheduled to excavate and then cap off the pipe in the ground before the leak increases.
- Update: The treatment plant access control and security camera project equipment has been ordered and the conduit/cabling is being installed. The Rio Road administration building will receive electronic access controls and one additional security camera as part of this project.

- Staff is working on converting the digester storage room into a meeting room. The room has good ventilation due to the roll up door and is a large enough space to social distance. The room is currently used for storage of operation and maintenance manuals and historical logbooks. Staff has setup shelving in the adjacent room and the documents will be moved. Existing tables and chairs will be relocated, and the outdoor rolling monitor will be moved into the new meeting room.

Upcoming Maintenance Projects

- Updated: Bryan Mailey Electric will be installing variable frequency drive (VFD) controls for a sand filter reject pump and tertiary clarifier polymer mixer. VFD controls will improve the process and consistency of the reject water flow. The polymer mixer is currently offline since at full speed it breaks up the suspended material so the addition of the VFD will allow staff to place the mixer back online at a reduced speed which will improve the polymer mixing and tertiary clarifier process. Material is on order.
- Staff has contracted with Telstar to perform minor instrumentation work. The instrumentation technician role is a current skill gap between an electrician and system integrator. A hybrid approach is being taken to fill this skill gap. Staff is receiving more training and Telstar will be brought in when specialized equipment is required. Telstar will be troubleshooting the screwpress flow meter and commissioning Evoqua Deox 2000 de-chlorination analyzer.

Staff Development

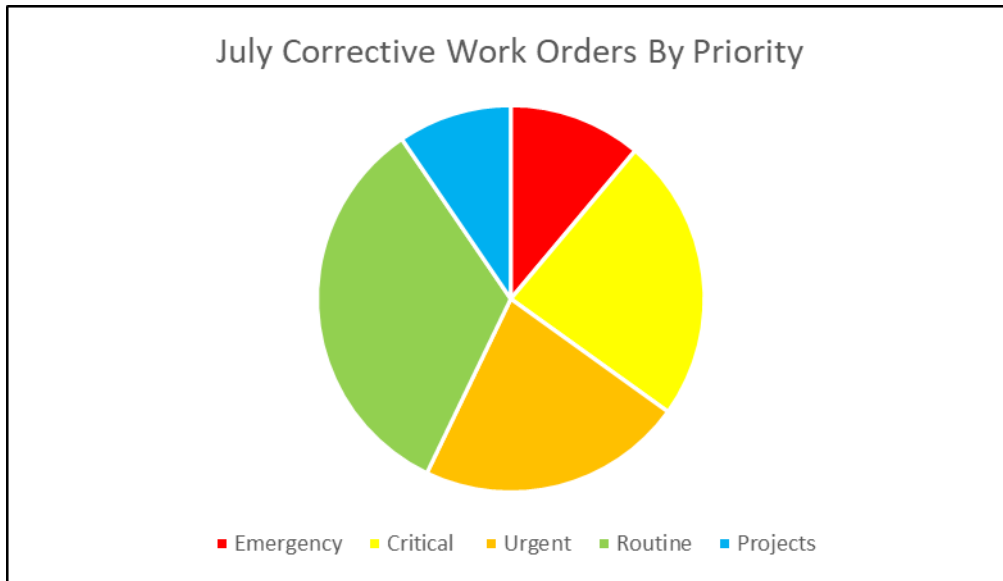
- Maintenance staff have been assigned Six Sigma White belt certification. Staff has discussed ways to reduce waste of movement and already implemented some improvements such as reorganization of ladder storage.
- Training is scheduled for 8/13/21 for collections and maintenance staff on pump station utility power fail response. Training will take place at Hacienda pump station and review various scenarios.

Work Order Metrics

Preventive Maintenance

| | |
|-------------------------------------|--------|
| Total Work Orders Generated | 255 |
| Total Work Orders Closed/Done | 230 |
| Total Work Orders Still Open | 25 |
| Percentage of Work Orders Completed | 90.20% |

Corrective Maintenance



| | |
|-----------|----|
| Emergency | 7 |
| Critical | 15 |
| Urgent | 14 |
| Routine | 21 |
| Projects | 6 |

FUNDING

N/A- Informational item only

STAFF REPORT



To: Board of Directors

From: Rachél Lather, Principal Engineer

Date: August 26, 2021

Subject: General Engineering

RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

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

General Engineering

The Principal Engineer continues to work on projects related to the 2021 Annexation, including Yankee Point, Carmel Valley Manor and Corona Road. The project kick-off meeting for the Corona Road project occurred on June 18, 2021. The engineer, Monterey Bay Engineers, has completed surveying the project site and we are ready to start the environmental/permitting process.

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

The Yankee Point/Spindrift study is being conducted by MNS Engineers. A draft report has been presented to Mr. Keig, and the Principal Engineer met with all parties on July 27, 2021. The estimated cost per parcel is \$80,000 and includes replacing the Highlands Inn force main with a 6-inch force main and using a low-pressure sewer force main system to transport sewage to the pump station. The system requires that all homes be serviced by individual pumps that provide pressure to the force main. This eliminates the need for large pump stations and the associated cost to build them. In addition, the costs could be reduced significantly if the remaining parcels in Carmel Highlands were annexed to the District. Mr. Keig is going to share the draft report with others in order to see if there is support for the project.

The Upper Rancho Cañada Pipe Relocation project has been awarded to Graniterock and due to environmental concerns, delays in getting the pipe bursting contractor onboard, and locating utilities on the Santa Lucia Conservancy property, the starting date for construction has been delayed to mid-August.

The Pretreatment Ordinance was reviewed by committee members (President White and Director D'Ambrosio) on June 10, 2021. The ordinance has also been reviewed by District Counsel. Staff would like to meet with the committee a final time in order to review educational handouts prior to taking the Ordinance to the Board for approval. It is planned to bring the Ordinance to the Board for approval at the September 2021 meeting.

FUNDING

N/A- Informational item only

Resolutions

STAFF REPORT



To: Board of Directors

From: Rachél Lather, Principal Engineer

Subject: Contract Award Recommendation –
2021 Pipeline Spot Repair Project 21-02

Date: August 26, 2021

RECOMMENDATION

After review of the bid proposals, staff recommends that the Board of Directors adopt Resolution 2021-47 ratifying the contract to be signed by the General Manager with the lowest qualified responsible bidder, Rooter King of Monterey County, Inc. in the amount of \$136,000.

DISCUSSION

The Board approved Resolution No. 2021-34 on June 24, 2021, authorizing solicitation of bids for construction of the 2021 Pipeline Spot Repairs Project. Three bids were opened on August 3, 2021, at the Carmel Area Wastewater District office. The Engineer’s Estimate was \$150,000. The bid tabulation is provided below.

TABLE 1 – 2021 PIPELINE SPOT REPAIRS PROJECT BID SUMMARY

| Bidder | Bid Amount |
|--------------------------------|-------------------|
| Don Chapin Company, Inc. | \$208,800 |
| Coastal Paving & Excavating | \$160,000 |
| Rooter King of Monterey County | \$136,000 |

TABLE 2 – ROOTER KING BID

| Item No. | Description | Quantity | Unit | Unit Cost, dollars | Cost, dollars |
|-----------------|---|-----------------|-------------|---------------------------|----------------------|
| 1 | Spot repair, location #1 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$8,944.31 | \$8,944.31 |
| 2 | Spot repair, location #2 total cost, Including traffic control, sewer flow bypassing, labor, and materials | LS | 1 | \$7,362.18 | \$7,362.18 |
| 3 | Spot repair, location #3 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$8,123.45 | \$8,123.45 |
| 4 | Spot repair, location #4 total cost, Including traffic control, sewer flow bypassing labor, and materials. | LS | 1 | \$8,932.09 | \$8,932.09 |
| 5 | Spot repair, location #5 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$8,427.13 | \$8,427.13 |
| 6 | Spot repair, location #6 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$9,691.30 | \$9,691.30 |
| 7 | Spot repair, location #7 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$6,154.35 | \$6,154.35 |
| 8 | Spot repair, location #8 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$10,873.18 | \$10,873.18 |
| 9 | Spot repair, location #9 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$10,873.18 | \$10,873.18 |
| 10 | Spot repair, location #10 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$7,146.54 | \$7,146.54 |
| 11 | Spot repair, location #11 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$6,220.47 | \$6,220.47 |
| 12 | Spot repair (MH), location #12 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$10,289.51 | \$10,289.51 |
| 13 | Spot repair, location #13 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$5,728.49 | \$5,728.49 |
| 14 | Spot repair (MH), location #14 total cost, Including traffic control, sewer flow bypassing, labor, and materials. | LS | 1 | \$10,289.51 | \$10,289.51 |
| 15 | Spot repair, location #15 total cost, Including traffic control, sewer flow bypassing, labor, and materials | LS | 1 | \$6944.31 | \$6944.31 |
| 16 | Extra Work | LS | 1 | \$10,000 | \$10,000 |
| TOTAL | | | | \$136,000 | |

LS= Lump Sum

After reviewing the bid documents and checking the experience requirements of the contractor, the lowest qualified responsible bidder was determined to be Rooter King of Monterey County in the total amount of \$136,000.

FUNDING

The 2021-2022 budget for this project is \$150, 000.

RESOLUTION NO. 2021-47

RESOLUTION ACCEPTING THE LOWEST RESPONSIBLE BID FOR THE "2021 PIPELINE SPOT REPAIRS PROJECT #21-02" AND AWARDING CONTRACT IN AN AMOUNT NOT TO EXCEED \$150,000

-oOo-

WHEREAS, the Board of Directors authorized solicitation for bids for the 2021 Pipeline Spot Repairs project on June 24, 2021; and

WHEREAS, there were three bids received at the bid opening on August 3, 2021 and the lowest responsible bid was determined to be Rooter King of Monterey County, Inc.;

WHEREAS, the Engineer's Estimate for the project was \$150,000 and all bids were competitive between bidders; and

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

1. That the Board accepts the bid of the lowest responsible bidder, Rooter King of Monterey County, Inc. and awards the contract for the above-mentioned project to said bidder at the price specified in the bid of \$136,000,
2. That the Board authorizes the General Manager to approve project change orders not to exceed 10% of bid amount (\$13,600).
3. That the Board authorizes and directs the General Manager to execute a written contract with the successful bidder Rooter King of Monterey County, Inc. for an amount not to exceed \$136,000.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on August 26, 2021 by the following vote:

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

President of the Board

ATTEST:

Secretary to the Board

STAFF REPORT



To: Board of Directors
From: Rachél Lather, Principal Engineer
Date: August 26, 2021
Subject: Scenic Road Pipe Bursting Project
Project #20-08

RECOMMENDATION

It is recommended that the Board of Directors authorize the General Manager to amend a contract with MNS Engineers, Inc. to provide utility locating and surveying services in the amount of \$32,690.

DISCUSSION

The Scenic Road collection line is a high priority for rehabilitation due to the condition of the pipeline and its location with respect to the Pacific Ocean. The Carmel Area Wastewater District Board of Directors approved Resolution 21-11 on February 25, 2021, authorizing the General Manager to enter into a contract with MNS Engineers, Inc. to provide design services for the project.

The gravity sewer pipe is expected to be replaced using the pipe-bursting construction technique. This method pushes a new High-Density Polyethylene (HDPE) pipe through the existing pipe and can cause some localized heaving of soil in the vicinity of the pipeline. The engineer reached out to other utility companies in order to verify the depth and location of their assets. It was found that there are limited records of the location of Cal American Water Company asbestos cement pipes that are in the vicinity of our pipeline. In order to prevent damage to other utilities, it is recommended that a professional utility locator identify the location and depth of utilities such as gas and water prior to finalizing the project design. The attached proposal from MNS Engineers, Inc. outlines the specific tasks associated with obtaining the utility location information for a total cost of \$32,690.

FUNDING

The 2021/2022 budget for this project is \$1,200,000.

Attachment 1: MNS Proposal

Attachment 2: Resolution 2021-48 Authorizing the General Manager to Amend Contract



811 El Capitan Way Suite 130, San Luis Obispo, CA 93401
Ph. (805) 778-0326 / F. (805) 787-0437

August 4, 2021

Ms. Rachél Lather, M.S., P.E.
Carmel Area Wastewater District
3945 Rio Road
Carmel-By-The-Sea CA 93923

Subject: Proposal for Professional Engineering Services – Scenic Drive Sewer Main Replacement Project, Amendment No. 1, Utility Locating

Dear Ms. Lather:

Thank you for the opportunity to submit this amendment request for additional services for the Scenic Drive Sewer Main Replacement Project (Project) for the Carmel Area Wastewater District (District). Due to insufficient record information of existing utilities within the project area, additional work is necessary to determine horizontal and vertical locations of existing utilities to mitigate Project construction risk.

Project Understanding

MNS is currently developing the design for replacement of approximately 4,950 linear feet (LF) of existing 6-inch diameter vitrified clay pipe (VCP) gravity sewer main with a new 8-inch high-density polyethylene (HDPE) sewer main located along Scenic Road from manhole O666 south of Ocean Avenue (Ave) to the Bay & Scenic Lift Station, 750-LF west of Martin Way in the community of Carmel by the Sea and unincorporated Monterey County. The work also includes replacement of approximately 30-LF of 6-inch steel force main with new 6-inch pipe at the intersection of Santa Lucia Ave and San Antonio Ave. The gravity sewer pipe is expected to be replaced using the pipe-bursting technique of construction. The force main will be replaced using open trench construction.

MNS recently submitted 60% design plans for the Project. Through the process to develop the 60% design plans, it was discovered that record plans of existing utilities along the project alignment are substantially unavailable. Existing water mains and sewer mains along the alignment are believed to be installed along unknown horizontal and vertical curves. Due to these curves, it cannot be determined if sufficient separation exists between existing utilities to avoid damage resulting from the sewer main replacement by pipe bursting.

The goal of the additional work covered by this amendment request is to mitigate risk to the District by providing additional information regarding the locations of existing utilities. In addition, the utility location will improve the accuracy of the plans and record information upon project completion.

Project Scope

MNS proposes to complete the additional utility location work and design revisions under Task 6 as described below.

Task 6 – Utility Locating

Subtask 6.1 Utility Locating

MNS has retained the services of GPRS, Inc (GPRS), to provide utility locating services for the project. GPRS will utilize ground penetrating radar and electromagnetic technologies to determine approximate horizontal and vertical locations of existing gravity sewers and sewer force main, water mains, gas, storm drains, and communication utilities along the pipeline alignment. GPRS will mark the Utility locations for data collection by MNS.

GPRS will provide a dedicated flagger for traffic control during utility locating operations. We assume an encroachment permit for the work will not be required. MNS will communicate with the District and City to coordinate the work. It is assumed no coordination will be required with the County of Monterey for the utility location work.

August 4, 2021

Page 2 of 2

Subtask 6.2 Utility Surveying

MNS survey staff will field locate horizontal and vertical utility information marked in the field by GPRS. Collected information will be drafted and added to the Project base map.

Subtask 6.3 Design Revisions

MNS will revise the Project design plans based on the additional utility information. MNS will also coordinate with a pipe bursting contractor to assess feasibility of pipe bursting along the curved alignments of the proposed project. The revised design will be submitted with the 90% design deliverable.

Deliverables

No additional deliverables will be submitted to the District over the course of this Project due to the additional scope.

Compensation

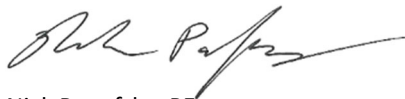
MNS proposes to perform the additional base services described herein for a not-to-exceed fee estimate of **\$32,690**. A detailed fee proposal spreadsheet is provided as an attachment. All fees are in accordance with the MNS Standard Fee Schedule, provided with our original proposal.

Closing

Thank you for the opportunity to submit this amendment proposal. We are excited and look forward to continuing to work with the District. Please feel free to contact me with any questions you may have at 805.592.2074 or npanofsky@mnsengineers.com. Thank you for your consideration.

Sincerely,

MNS Engineers, Inc.



Nick Panofsky, PE
Lead Engineer

Attachments:

Detailed Fee Spreadsheet

RESOLUTION 2021-48

A RESOLUTION AUTHORIZING THE GENERAL MANAGER TO AMEND A CONTRACT WITH MNS ENGINEERS, INC IN THE AMOUNT OF \$32,690 TO PROVIDE UTILITY LOCATING SERVICES FOR THE SCENIC ROAD PIPE BURSTING PROJECT-#20-08

WHEREAS, the Board of Directors approved the 2021/2022 budget that included funding for the Scenic Road Pipe Bursting Project consulting work;

WHEREAS, the Board of Directors approved a contract with MNS Engineers, Inc. for professional engineering services to provide construction engineering services for the Scenic Road Pipe Bursting Project in the amount of \$152,685;

WHEREAS, in order to finalize design of the project, the District needs additional services from MNS Engineers, Inc. for the project as summarized in their proposal dated August 4, 2021, to include utility locating and surveying;

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Carmel Area Wastewater District, hereby authorizes the General Manager to amend a contract with MNS Engineers to provide utility locating and surveying for the project in the amount of \$32,690 for a total not to exceed contract amount of \$185,375.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on August 26, 2021.

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

President of the Board

ATTEST:

Secretary to the Board

STAFF REPORT



To: Board of Directors

From: Patrick Treanor, Plant Engineer

Date: August 26, 2021

Subject: Project #19-21 - Adopting a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan for the "Carmel River Floodplain Restoration & Environmental Enhancement (CRFREE) Mitigation Pipeline Undergrounding Project" Pursuant to the California Environmental Quality Act (CEQA)

RECOMMENDATION

It is recommended that the Board of Directors:

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

DISCUSSION

The purpose of the CRFREE Mitigation Pipeline Undergrounding Project is to replace existing wastewater pipelines that currently span the south arm of the Carmel River Lagoon with new pipelines installed deep below the bed of the lagoon so that they would not be subject to damage by increased river flows in the south arm created by the CRFREE project being proposed by Monterey County. The new pipelines are proposed to be installed under the lagoon by means of horizontal directional drilling installation methods in order to minimize the amount of ground disturbance required to install replacement pipelines.

Once the new pipelines are installed and connected to the existing pipes on either side of the lagoon, the existing aerial pipe structure crossing over the south arm of the Carmel River Lagoon will be removed.

The Draft CEQA IS/MND for the CRFREE Mitigation Pipeline Undergrounding Project was submitted to the State Clearinghouse on June 16th and the notice of intent and Draft IS/MND was also posted on the District website at that time. The notice of intent was published in the Pine Cone on June 18th and on June 25th. In addition, the notice of intent was mailed to homes adjacent to the project area, and to other interested parties at the County of Monterey, Big Sur Land Trust, and California State Parks. Two comment letters were received: one from CalTrans, and one from California Department of Fish and Wildlife. Neither comment letter brought up any issues that were not already addressed in the project. Responses to the comments provided have been included in the Final CEQA MND for the record.

CLOSING

The Final IS/MND is attached (under separate cover) for Board review to facilitate adopting a Mitigated Negative Declaration for the project in accordance with § 15074 of CEQA Guidelines. A Mitigation Monitoring and Reporting Plan (MMRP) is also attached. The MMRP summarizes the mitigation measures that must be adopted by the Board in accordance with § 15074 of CEQA Guidelines.

FUNDING

Costs for recording the Notice of Determination for the Mitigated Negative Declaration at the County Clerk office will be applied to the Coastal Conservancy Grant that was awarded for the Design and Environmental/ Permitting work for the Project.

Attachment (Under Separate Cover):

- FINAL Initial Study/Mitigated Negative Declaration & Mitigation Monitoring and Reporting Plan – CRFREE Mitigation Pipeline Undergrounding Project

RESOLUTION NO. 2021-49

A RESOLUTION ADOPTING A MITIGATED NEGATIVE DECLARATION AND
MITIGATION MONITORING AND REPORTING PLAN FOR THE “CARMEL RIVER
FLOODPLAIN RESTORATION & ENVIRONMENTAL ENHANCEMENT (CRFREE)
MITIGATION PIPELINE UNDERGROUNDING PROJECT” (PROJECT #19-21)
PURSUANT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT

-o0o-

WHEREAS, pursuant to Article 6 (Sections 15070-15075) of the California Environmental Quality Act guidelines (CEQA), the Carmel Area Wastewater District (CAWD), as Lead Agency, has considered the Mitigated Negative Declaration, and

WHEREAS, the Notice of Intent and Draft Mitigated Negative Declaration was submitted to the State Clearinghouse and was posted on June 16th, 2021, and

WHEREAS, the Notice of Intent and Draft Mitigated Negative Declaration was posted on the District website on June 16th, 2021, and

WHEREAS, the District published the Notice of Intent to Adopt a Mitigated Negative Declaration in the local newspaper on June 18th, 2021 and June 25th, 2021, and

WHEREAS, the District sent the Notice of Intent by mail to residences adjacent to the project area, and interested parties, and

WHEREAS, the public review period occurred over 30 days where all documents and project reports were available to the public for review, and

WHEREAS, the Board has reviewed the Initial Study/Mitigated Negative Declaration and the Mitigation Monitoring and Reporting Plan and,

WHEREAS, the Board finds that there is no substantial evidence, based on the record as a whole that would support a fair argument that the project, as designed and mitigated, may have a significant environmental impact.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that it does hereby adopt a Mitigated Negative Declaration and the accompanying Mitigation Monitoring and Reporting Plan for the “CRFREE Mitigation Pipeline Undergrounding Project.”

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on August 26th, 2021, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

President of the Board

ATTEST:

Secretary of the Board

STAFF REPORT



To: Board of Directors

From: Patrick Treanor, Plant Engineer

Date: August 26, 2021

Subject: Project #18-26 – Reclamation - Construction Contract Award – Sulfuric Acid and Citric Acid Storage and Feed Systems Project – Monterey Peninsula Engineering-(MPE)

RECOMMENDATION

After review of the bid proposals, staff recommends that the Board of Directors:

- Adopt a resolution awarding a contract for construction of the Sulfuric Acid and Citric Acid Storage and Feed Systems Project in the amount of \$377,000 to the lowest responsive and responsible bidder – Monterey Peninsula Engineering (MPE).
- Authorize the General Manager to sign and execute a contract with MPE to construct the project per the bid documents.

DISCUSSION

The board approved Resolution No. 2021-35 on June 24, 2021, authorizing solicitation of bids for Project #18-26. Sealed bids were opened on August 5, 2021 at the District office.

During the bid period six (6) general contractors obtained plans and specifications. Two bidders attended a mandatory site visit, and both of these contractors submitted bids. Table 1 contains the bid results, and Photo 1 was taken during the public bid opening, which was conducted on the front stoop of the CAWD Administration Building. The Engineer's Estimate was \$350,000 and the lowest bid was about 8% higher than the estimate.

The lowest bid was from Monterey Peninsula Engineering (MPE). Their bid and qualifications were reviewed and found to be in conformance with the requirements.

Table 1: Sulfuric Acid and Citric Acid Storage and Feed Systems Project Bids

| BIDDER | BID AMOUNT |
|--------------------------------------|------------|
| Clark Bros | \$416,000 |
| Monterey Peninsula Engineering (MPE) | \$377,000 |

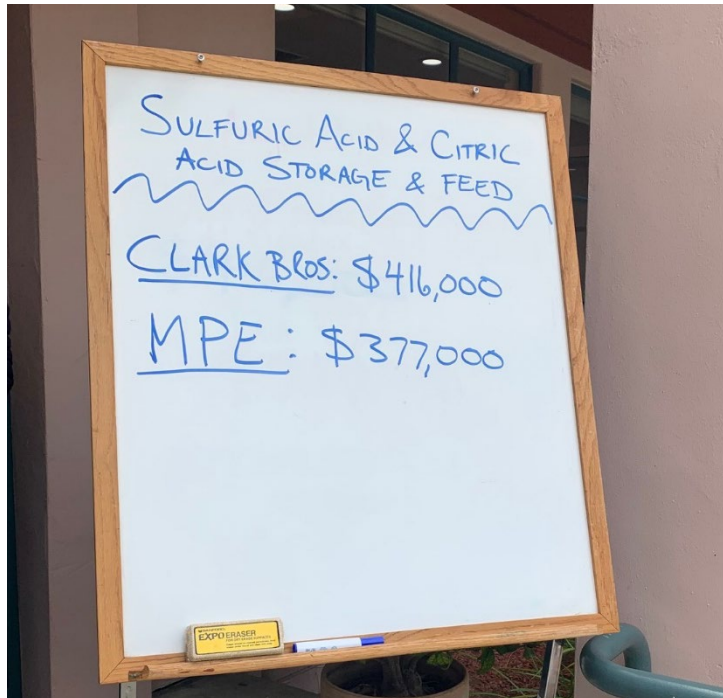


Photo 1: The public bid opening was conducted on the front stoop of the CAWD Administration Building.

FUNDING

The CAWD/PBCSD Reclamation Capital Budget includes \$370,000 for construction of Project #18-26. Authorizations from Pebble Beach Company (PBCo) and the Independent Reclaimed Water Users Group (IRWUG) were obtained for budget authorization to proceed with the \$377,000 construction contract.

Attachment:

- Email construction contract approvals from PBCo and IRWUG representatives for \$377,000.

Patrick Treanor

From: Heuck, David <heuckd@pebblebeach.com>
Sent: Thursday, August 12, 2021 1:43 PM
To: JJ West; reitzb; Patrick Treanor
Cc: jhuston@ncga.org
Subject: RE: Approval to Award \$377,000 Construction Contract for Reclamation "Sulfuric Acid and Citric Acid Storage and Feed Systems Project"

ok

From: JJ West <jjwest@mpccpb.org>
Sent: Thursday, August 12, 2021 1:41 PM
To: Reitz, Brent <reitzb@pebblebeach.com>; Patrick Treanor <Treanor@cawd.org>
Cc: Heuck, David <heuckd@pebblebeach.com>; Joe Huston <jhuston@ncga.org>
Subject: RE: Approval to Award \$377,000 Construction Contract for Reclamation "Sulfuric Acid and Citric Acid Storage and Feed Systems Project"

MPCC is good with the additional 7k for the project.

Approved.



JJ West
General Manager
Monterey Peninsula Country Club

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

From: Reitz, Brent <reitzb@pebblebeach.com>
Sent: Thursday, August 12, 2021 1:37 PM
To: Patrick Treanor <Treanor@cawd.org>
Cc: Heuck, David <heuckd@pebblebeach.com>; Joe Huston <jhuston@ncga.org>; JJ West <jjwest@mpccpb.org>
Subject: Re: Approval to Award \$377,000 Construction Contract for Reclamation "Sulfuric Acid and Citric Acid Storage and Feed Systems Project"

Will do Patrick.

I also agree that we should go with the low bid and approve the additional \$7K to get this long overdue project on the road!

Thanks for all of your hard work in design review, bid solicitation and bid review...(to name only a few of the many tasks you & CAWD have performed on RMC's behalf.)

David, Joe & JJ: I recommend & request approval of an additional \$7K moved into the Budget line item for this Capital Project.

This project will be mandatory in any future efforts to Increase Production, as well as, Greatly Increase the Safety Factor in daily operations involving Sulfuric Acid

If you have a preference or direction on how you want to see our budget-funds shifted to move \$7K into this project's line item please let Patrick & I know.

Please feel free to reach out to me with any further questions you may have.

Patrick & I would appreciate a timely response to this budget-increase request.

Thanks,
Brent Reitz
PBC

Sent from my iPhone

On Aug 12, 2021, at 11:36 AM, Patrick Treanor <Treanor@cawd.org> wrote:

Hi Brent,

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The bids are as follows:

Monterey Peninsula Engineering (MPE) - \$377,000 <- *Apparent Low Bidder*
Clark Bros Inc - \$416,000

CAWD staff recommends that we award the contract to the low bidder (MPE) for the bid amount of \$377,000. Before we take action to award the contract we would like to get email approvals from the Reclamation Project financial backers, PBCo and IRWUG.

Please forward to Heuck, JJ, and Joe Huston and ask if it is OK to move forward. If I could get the responses by end of week or early next week that would be appreciated.

Thanks,

Patrick Treanor, P.E. | Plant Engineer

Office: 831-624-1248

Carmel Area Wastewater District

<image001.png>

Patrick Treanor

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Office: 831-624-1248

Carmel Area Wastewater District

<image001.png>

Patrick Treanor

From: Joe Huston <jhuston@ncga.org>
Sent: Thursday, August 12, 2021 1:52 PM
To: reitzb
Cc: heuckd@pebblebeach.com; JJ West; Patrick Treanor
Subject: Re: Approval to Award \$377,000 Construction Contract for Reclamation "Sulfuric Acid and Citric Acid Storage and Feed Systems Project"

Approved

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Thanks,

Patrick Treanor, P.E. | Plant Engineer

Office: 831-624-1248

Carmel Area Wastewater District

<image001.png>

RESOLUTION NO. 21-50

A RESOLUTION ACCEPTING THE LOWEST RESPONSIBLE AND RESPONSIVE BID FOR THE "SULFURIC ACID AND CITRIC ACID STORAGE AND FEED SYSTEMS PROJECT" (PROJECT #18-26), AND AWARDING CONSTRUCTION CONTRACT-AN AMOUNT NOT TO EXCEED \$377,000

-oOo-

WHEREAS, the Reclamation Micro Filtration/Reverse Osmosis (MF/RO) Facility requires upgrades for safe and reliable storage and feed of sulfuric acid and citric acid chemicals; and

WHEREAS, the representatives of Pebble Beach Company (PBCo) and the Independent Reclaimed Water Users Group (IRWUG) have authorized proceeding with the project for the bid price of \$377,000; and

WHEREAS, the Board of Directors authorized solicitations of bids for said project in Resolution No. 2021-35; and

WHEREAS, Monterey Peninsula Engineering submitted the lowest responsible and responsive bid of \$377,000.

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

1. That the Board accepts the bid of the lowest responsible and responsive bidder (i.e. Monterey Peninsula Engineering-MPE) and awards the contract for the "Sulfuric Acid and Citric Acid Storage and Feed Systems Project" to said bidder at the bid price of \$377,000.

2. That the Board authorizes and directs the General Manager to execute a written contract with the successful bidder and commence construction of the project.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on August 26, 2021 by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

ATTEST:

President of the Board

Secretary to the Board

STAFF REPORT



To: Board of Directors
From: James Grover, Principal Accountant
Date: August 26, 2021
Subject: Reserve Fund Balance Annual Adjustment

RECOMMENDATION

It is recommended that the Board of Directors approve a resolution authorizing the adjustment of District fund balances to match the 2021-22 beginning budget balance as follows:

| | |
|---|--------------|
| Capital Fund | \$ 9,809,191 |
| General Operation & Maintenance (O&M)Fund | \$ 7,884,551 |

DISCUSSION

This transfer of funds is to realign internal balances as per policy at the beginning of the fiscal 2021-22 year. The policy provides for this realignment to be made at the start of each budget year and will therefore be reflected in July transactions.

As per Reserve Policy dated March 2010:

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

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

FISCAL IMPACT

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

The transfer amounts required are:

- Transfer \$3,455,840 from General O&M Fund to Capital Fund to bring balance to \$9,809,191.
- Transfer \$2,013,539 from General O&M Fund to Capital Improvement Reserve to bring balance to \$7,884,551.

RESOLUTION NO. 2021-51

A RESOLUTION AUTHORIZING AN ANNUAL ADJUSTMENT OF THE DISTRICT'S RESERVE FUND BALANCES BY TRANSFERRING \$3,455,840 TO THE CAPITAL FUND AND \$2,013,539 TO THE CAPITAL IMPROVEMENT RESERVE FROM THE GENERAL O&M FUND IN ACCORDANCE WITH THE DISTRICT'S RESERVE POLICY

-oOo-

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

WHEREAS, to fully fund the current year Capital Fund and the General O&M Fund, staff has recommended that the Board authorize the adjustment of the District's Reserve Fund balances by approving an internal budget transfer in the amount of \$3,455,840 to the Capital Fund and in the amount of \$2,013,539 to the Capital Improvement Reserve from the General O&M Fund.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of the Carmel Area Wastewater District that it hereby authorizes the adjustment of the District's Reserve Fund balances and approves the transfer of \$3,455,840 to the Capital Fund and the transfer of \$2,013,539 to the Capital Improvement Reserve from the General O&M Fund.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on August 26, 2021, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS:

ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:

President of the Board

ATTEST:

Secretary to the Board

STAFF REPORT



To: Board of Directors
From: Barbara Buikema, General Manager
Date: August 26, 2021
Subject: COVID-19 Vaccination Requirements

RECOMMENDATION

It is recommended that the Board of Directors approve the COVID-19 Vaccination Policy Requirements as set forth in the attached policy document.

DISCUSSION

The Board of Directors discussed establishing a COVID-19 Vaccination Policy Requirement at their July 2021 meeting. On the advice of District Council, we are presenting a policy document that very closely aligns with the County of Monterey's policy document. Staff feels that the County policy meets our needs and follows all legal requirements.

Any staff member who does not vaccinate and does not provide a certified exemption will essentially position themselves as a voluntary separation from employment.

FUNDING

There may be a cost of weekly testing for any employee that presents a valid exemption to the policy. Estimate \$160/per test.



CAWD COVID-19 Vaccination Requirements

Carmel Area Wastewater District (CAWD) is committed to providing a healthy workplace in accordance with COVID-19 public health guidance and legal requirements to protect all employees and the public.

The federal Centers for Disease Control (CDC), the California Department of Public Health and the County of Monterey Health Department have determined that COVID-19 continues to pose a significant risk, especially to individuals who are not fully vaccinated.

At the time of CAWD's last policy update (June 2021), it was believed that fully vaccinated persons would not typically be able to spread the virus. However subsequent research shows that the delta variant can be spread by asymptomatic or mildly symptomatic persons even if fully vaccinated. This variant is also shown to be at least twice as contagious as the original variant. The combination of asymptomatic spread and high infectiousness means that routine surveillance testing of unvaccinated employees is not adequate to protect against the hazards from COVID-19. Further, Biobot monitoring of the incoming wastewater stream shows the virus is very active within CAWD's service area with concentrations at the highest levels since the pandemic began. Lastly, Cal/OSHA regulations still require that all persons be treated as potentially infectious regardless of vaccination status.

Experts have determined that vaccination is the most effective way to limit COVID-19 cases, hospitalizations, and deaths. Consequently, unvaccinated employees pose a preventable hazard both to themselves and to coworkers. These additional safety measures are now necessary to protect against an identified hazard.

Therefore, to protect the health and safety of CAWD employees, and the public they come in contact with, on August 26, 2021, the Board of Directors approved a resolution to adopt an updated COVID-19 Risk Mitigation and Response Plan which included these vaccination requirements. These mandate that all employees become fully vaccinated, or provide certification of an authorized medical or religious exemption.

Declining to state vaccination status or declining vaccination for any other reason is no longer an option.

For the purposes of this policy, fully vaccinated means the employee or impacted persons received, atleast 14 days prior, either the second dose in a two-dose COVID-19 vaccine series or a single-dose COVID-19 vaccine protocol. Vaccines must be either FDA approved or have an emergency use authorization from the FDA.

If the vaccination status of a previously unvaccinated employee has changed, they can submit an updated Employee Attestation Form to the District’s Human Resources consultant at any time. CAWD will now also accept electronic documentation issued by the State of California by going to: <https://myvaccinerecord.cdph.ca.gov/>

For employees requesting a medical exemption from the COVID-19 vaccine requirement, the employee must complete the Request for COVID-19 Vaccination Exemption Form, and provide supporting documentation (i.e. COVID-19 Vaccination Exemption Medical Professional Certification) to CAWD’s Human Resources consultant. Submittals must first be granted/authorized by CAWD to be effective.

For employees requesting a religious exemption from the COVID-19 vaccine requirement, the employee must submit the COVID-19 Vaccination Exemption Religious Officiant Certification Form to CAWD’s Human Resources consultant. Submittals must first be granted/authorized by CAWD to be effective.

Employees who are granted an authorized medical or religious exemption must submit to regular (a minimum of weekly) COVID-19 testing and follow all protective measures required elsewhere in this policy.

All employees who are not fully vaccinated, or are in the process of being vaccinated must continue to comply with N-95 respirator use, and all other safety requirements until they are fully vaccinated and have reported and documented that status to the District.

Unless granted an authorized exemption, all unvaccinated employees must comply with the requirement to achieve a fully vaccinated status by no later than September 30, 2021.

IMPLEMENTATION DATES AND DEADLINES

| | |
|---|-----------------|
| Approved Date: | August 26, 2021 |
| Effective Date: | August 26, 2021 |
| Deadline to submit temporary/permanent medical exemption: | Sept 17, 2021 |
| Deadline for submittal of religious exemption: | Sept 17, 2021 |
| Fully vaccinated status required on or before: | Sept 30, 2021 |

RESOLUTION NO. 2021-52

RESOLUTION APPROVING THE COVID-19 VACCINATION POLICY
REQUIREMENTS

-oOo-

WHEREAS, the Board of Directors is committed to providing a healthy workplace, in accordance with COVID-19 public health guidance and legal requirements and protecting District Employees and the public; and approves the COVID-19 Vaccination Policy Requirements; and

WHEREAS, the District Board of Directors approves the attached COVID-19 Vaccination Requirements.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel approves the COVID-19 Vaccination Requirements as set forth in the policy attached to this resolution.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on August 26, 2021 by the following vote:

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

President of the Board

ATTEST:

Secretary to the Board

Other Items & Information/Discussion

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: August 26, 2021

Subject: Ad Hoc Committee Assignments

RECOMMENDATION

Staff requests that the Board form two ad hoc committees; a "Construction Committee" and a "Tree & Trail Committee" and make membership assignments.

DISCUSSION

An ad hoc committee is a committee that is formed for a limited period of time and to address a specific need. They are dissolved when the specific task is completed. The Brown Act does not apply to ad hoc committees consisting solely of less than a quorum of the legislative body provided they are composed solely of members of the legislative body and provided that these ad hoc committees do not have some "continuing subject matter jurisdiction" and do not have a meeting scheduled fixed by formal action of the legislative body.

The District has used ad hoc committees successfully to manage a variety of projects in the past and is now requesting the Board make member assignments for two new ad hoc committees. In the past, there was the first "Construction Committee" formed to provide board oversight during Phase I of the Treatment Plant rehabilitation that was dissolved when the project was completed. Staff is now recommending that the Board form a second "Construction Committee" for the purposes of the Electrical/Mechanical Rehab and Sludge Holding Tank Replacement Project #18-01. The purpose will be to provide an oversight function during the project – estimated to be approximately 1 ½ years.

The second new committee staff is requesting is for the formation and member assignments to a "Tree & Trail Committee". This committee will combine projects to provide oversight for constructing a path from Rio Park across the river utilizing our trestle bridge and to oversee the elimination of the eucalyptus trees around the treatment facility and replacement with native trees.

FINANCIAL

None at this time. There are sufficient funds in the Administration O&M budget to cover director stipends.



Carmel Area Wastewater District

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

TO: Board of Directors
 FROM: Domine Barringer, Board Secretary
 SUBJECT: Committee Assignments for 2021
 DATE: August 26, 2021

| Committee | 2020 Members | 2021 Members |
|---------------------------------|--------------------------------------|-----------------------------------|
| Budget & Audit | D'Ambrosio Siegfried | D'Ambrosio Siegfried |
| Pension | Rachel Wellington | Rachel Siegfried Wellington |
| Reclamation Management | Townsend White | Townsend White |
| Salary & Benefits | White Rachel | White Rachel |
| Special Districts' Association | Townsend Siegfried (alternate) | Townsend Siegfried (alternate) |
| CRFREE (ad hoc) | White Siegfried | White Siegfried |
| Sea Level Rise (ad hoc) | Siegfried D'Ambrosio | Siegfried D'Ambrosio |
| Pre-Treatment (ad hoc) | | White D'Ambrosio |
| Construction Committee (ad hoc) | | |
| Tree & Trail Committee (ad hoc) | | |

STAFF REPORT



To: Board of Directors

From: Barbara Buikema, General Manager

Date: August 26, 2021

Subject: Pebble Beach Community Services District (PBCSD) – Regular Board Meeting July 30, 2021

DISCUSSION

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

- Total cash balance at the end of June 2021 was \$29.0M; of that amount \$19.8M was designated for Capital Acquisition and Outlay Reserves. Property taxes comprise roughly 85% of District revenues with user fees making up 12%.
- The June 2021 Cash Basis Budget showed total revenues of \$21.4M and total expenditures of \$15.6M.
- Forest Lake Reservoir held 66 MG (million gallons) of recycled water or 57% of permitted capacity. Current storage volume is 14% above the historic average of 58 MG.
- Total irrigation water demand for the 2021 calendar year through June was 475 AF (acre feet). Total demand for the calendar year is 16% above the 5-year average of 408 AF through June. The month of June reflected a net storage decrease of approximately 19 million gallons. By comparison, a net storage decrease of approximately 21 million gallons occurred in June of last year.
- Average daily wastewater flow of 365,000 gallons per day (GPD) was measured in June at the PBCSD-Carmel gate. This represents 31 of the total flow at the CAWD treatment facility. The measured PBCSD flow was 7% below the five-year average of 391,000 GPD for the month of June; the CAWD total flow was 4% below the five-year average of 1,221,000 GPD for June.
- The four alternative source water projects are online and currently producing a combined total of 60,000 GPD. Total production for the 2021 calendar year through mid-June is approximately 8.7 million gallons.

- The Board adopted a resolution approving an assignment to the Master Agreement with E2 Engineers, Inc. to provide engineering design and bid-phase services required for P-1 and P-2 Pump Station Rehabilitation Projects in an amount not to exceed \$225,000.
- Average daily wastewater flows measured in million gallons per day (MG) show:

| MONTH | TOTAL | CAWD FLOW | PBCSD FLOW | PBCSD |
|--------------|--------------|------------------|-------------------|--------------|
| July - 20 | 37.211 | 25.504 | 11.707 | 31.461% |
| Aug - 20 | 36.386 | 24.877 | 11.509 | 31.630% |
| Sept - 20 | 33.559 | 23.082 | 10.477 | 31.220% |
| Oct - 20 | 32.551 | 23.689 | 8.862 | 27.225% |
| Nov-20 | 31.644 | 23.089 | 8.555 | 27.035% |
| Dec-20 | 30.572 | 21.732 | 8.840 | 28.915% |
| Jan - 21 | 37.781 | 26.537 | 11.244 | 29.761% |
| Feb - 21 | 36.638 | 23.536 | 13.102 | 35.761% |
| Mar - 21 | 35.896 | 25.666 | 10.230 | 28.499% |
| Apr - 21 | 34.571 | 23.755 | 10.816 | 31.286% |
| May - 21 | 35.889 | 23.914 | 11.975 | 33.367% |
| Jun - 21 | 35.242 | 24.294 | 10.948 | 31.065 |
| Total | 417.94 | 289.675 | 128.265 | 30.655% |

STAFF REPORT

To: Board of Directors

From: Barbara Buikema, General Manager

Date: August 26, 2021

Subject: Summary of Monterey County Treasurer
Report dated 06-30-21



RECOMMENDATION

No action required – this is informational only.

DISCUSSION

Economic conditions during the quarter were characterized by the following factors: broad economic reopening as COVID-19 caseloads plummeted, strong growth and forward economic momentum, continued improvement in the labor market, material shortages, elevated input costs, and supply-chain challenges.

Driven by a combination of base effects, stimulus-driven demand, and transient factors such as supply chain disruption, measure of inflation rose in the second quarter of 2021. The Federal Reserve's June projections showed some variety amongst its committee members regarding views on monetary policy. While no change in policy is expected in the remainder of 2021, participants are leaning towards two federal funds rate increases by the end of 2023.

On June 30, 2021, the Monterey County investment portfolio contained an amortized book value of \$2,208,759,362 spread among 233 separate securities and funds. The par value of those funds was \$2,196,394,069 with a market value of \$2,211,758,054 or 100% of amortized book value. The portfolio's net earned income yield for the period was 0.69%. The portfolio produced an estimated quarterly income of \$3,788,827 that will be distributed proportionately to all agencies participating in the investment pool. The investment portfolio had a weighted average maturity of 604 days. The County Treasury continues to use shorter term debt to provide portfolio liquidity and enhanced investment opportunities.

| PORTFOLIO CHARACTERISTICS | | | |
|----------------------------------|--------------------|--------------------|--------------------|
| | 12-31-20 | 03-31-21 | 06-30-21 |
| Total Assets | \$2,227,736,412.70 | \$2,109,458,018.97 | \$2,196,394,068.88 |
| Market Value | \$2,236,498,742.36 | \$2,119,066,936.05 | \$2,211,758,053.83 |
| Days to Maturity | 490 | 539 | 604 |
| Yield | 1.21% | 0.99% | 0.69% |
| Estimated Earnings | \$6,205,140.10 | \$5,205,543.85 | \$3,788,827.31 |

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

| PORTFOLIO ASSET COMPOSITION 06-30-21 | |
|---|-------|
| Corporate Notes | 13.1% |
| Overnight Liquid Assets | 13.5% |
| US Treasuries | 44.3% |
| Federal Agencies | 17.2% |
| Commercial Paper | 6.5% |
| Negotiable CDs | 2.7% |
| Supranationals | 2.7% |
| Municipal Bonds | <0.1% |

Future Strategy: Given the volatile market environment related to the COVID-19 pandemic, the Treasury continues strategically investing maturities 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 rate of return.

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

Note: The Monterey County Treasurer Report is available on the Monterey County Treasury [website](#).

**CARMEL AREA WASTEWATER DISTRICT
SUMMARY OF RETIREMENT PENSION PLAN TRUSTEES
MEETING HELD – August 3, 2021**

A meeting of the Retirement Pension Plan Trustees was held on Thursday, August 3, 2021, at 10:00 a.m.

Those Present Included: Michael Rachel, Director, Trustee
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 held via ZOOM

I. 2nd Quarter 2021 Review

As of 06-30-21 the total weighted return for the quarter was 4.63%. The ending balance with accrued interest was \$6,654,171. Total gains for the quarter were \$287,948.

While the market looks calm on the surface, the introduction of inflation has caused some volatility. The question is whether that is a long term or transitory issue. In May 2021 inflation was 4.2% and in June it was 5.4%. Both Janet Yellen, Secretary of the Treasury and Jerome Powell, Chairman of the Federal Reserve have indicated that they believe inflation will be transitory as the economy transitions out of the pandemic.

When looking at year-to-date performance we see continued evidence of the shift from growth to value in the portfolio. Funds that have beaten the S&P 500 have focused on a rotation from growth to value. The rebalancing reflects the portfolio – last year performance was slightly better than the S&P, but this year it is better due to the rotation from growth to value.

II. 3rd Quarter Action Plan

Hastie Financial has recommended several changes to the portfolio. Buy recommendations included PGIM Jennison Emerging Markets which is focused on Indian and China markets, BlackRock Multi Strategy a 50% high quality fixed income fund, and American Funds Strategic Bond with focus on U.S. government securities and high quality corporate bonds. The portfolio's diversification is to protect against any market downside; however, the goal is to keep the duration short and quality high.

The infrastructure bill before Congress should be good for the stock market per Mr. Hastie. There is an “artificial” amount of money being pumped into the economy that could begin to overheat it. Inflation is the resulting fear of too much money in circulation.

Portfolio Risk Measures (3-year measure):

| | Three Year | S&P 500 | Five Year | S&P 500 | Ten Year | S&P 500 |
|---------------------------|-----------------------|--------------------|----------------------|--------------------|---------------------|--------------------|
| Beta (a) | 0.67 | | 0.66 | | 0.74 | |
| Standard Deviation (b) | 12.76 | 18.52 | 10.24 | 14.99 | 10.32 | 13.59 |
| Mean | 15.75 | 18.76 | 14.30 | 17.65 | 11.29 | 14.84 |
| Alpha | 2.38 | | 1.96 | | 0.21 | |

(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

Mr. Hastie agreed to manage funds for 25 basis points (bp), which is equivalent to the CalPERS Section 115 fee.

Estimate cost of fees over 20 years is approximately \$1,250 - \$1,500 per year as compared with \$3,250 - \$3,900 per year at Public Agency Retirement Services (PARS) at 65 bp.

The Committee instructed staff to obtain a quote on legal services necessary to write a stand-alone plan document.

There being no further business, the meeting was adjourned at approximately 10:55 a.m.

Carmel Area Wastewater District Defined Benefit Plan



H F G Hastie Financial Group

For confidence in your future

2nd Quarter and 2021 Performance Review

3rd Quarter 2021 Action Plan

August 3, 2021

Change in Market Value Register

From 4/1/2021 to 6/30/2021

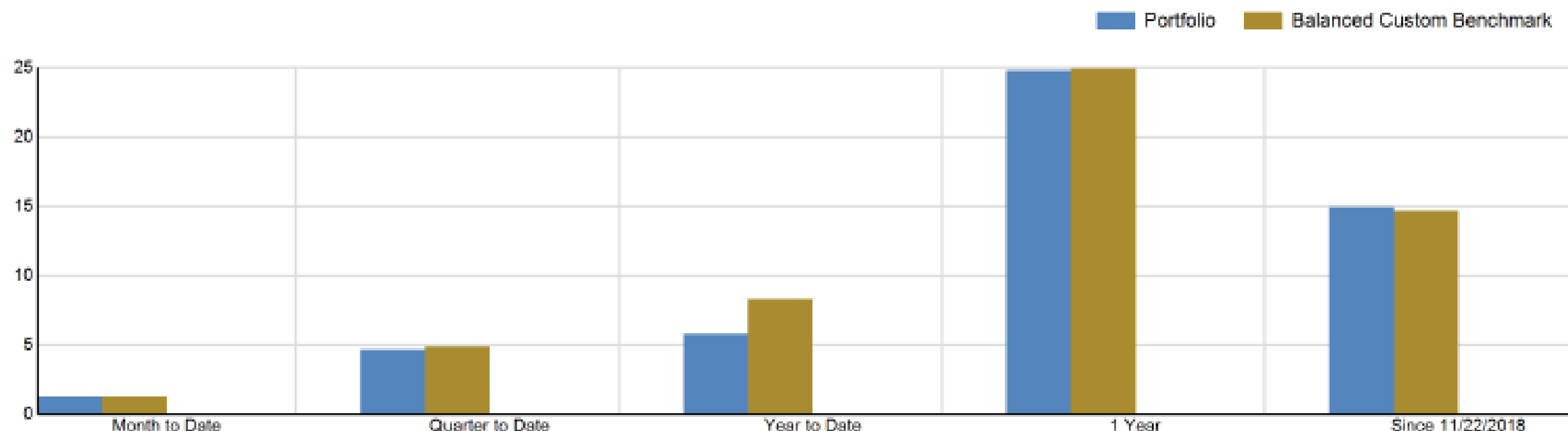
| Carmel Area Wastewater District Ppt Non Prototype NFS - PPS Custom (xxxx4110) | | | | | | | | | |
|---|------------------------|--|-------------------------------------|-------------------------|--------------------|---|---------------------|-----------------------|---------|
| Account Name | Performance Start Date | Beginning Value with Accrued Interest (\$) | Net Contributions/ Withdrawals (\$) | Total Gains/Losses (\$) | Net Income (\$) | Ending Balance with Accrued Interest (\$) | Net Change (\$) | Performance Stop Date | TWR (%) |
| Carmel Area Wastewater District Ppt Non Prototype NFS - PPS Custom (xxxx4110) | 04/01/2021 | 6,403,802.73 | (45,944.24) | 287,948.04 | 19,571.76 | 6,654,171.64 | 296,313.15 | 06/30/2021 | 4.63 |
| Total | 4/1/2021 | \$6,403,802.73 | (\$45,944.24) | \$287,948.04 | \$19,571.76 | \$6,654,171.64 | \$296,313.15 | 6/30/2021 | |

Performance Summary

As of 6/30/2021

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

Time Weighted Return



Activity Summary

| | |
|--------------------------------|----------------|
| Beginning Balance (04/01/2021) | \$6,403,802.73 |
| Contributions | \$2,055.76 |
| Withdrawals | \$48,000.00 |
| Realized Gain / Loss | \$0.00 |
| Unrealized Gain / Loss | \$287,948.04 |
| Interest | \$0.00 |
| Dividend / Cap Gains | \$19,571.76 |
| Management Fees | \$11,206.65 |
| Ending Balance (06/30/2021) | \$6,654,171.64 |
| Total Gain / Loss After Fees | \$296,313.15 |

Performance Summary

| Period | Portfolio | Balanced Custom Benchmark |
|------------------|-----------|---------------------------|
| Month to Date | 1.24 | 1.24 |
| Quarter to Date | 4.63 | 4.87 |
| Year to Date | 5.78 | 8.31 |
| 1 Year | 24.79 | 24.94 |
| Since 11/22/2018 | 14.90 | 14.67 |

Note: Returns are time-weighted and annualized for any period greater than one year.

Performance by Security

From 4/1/2021 to 6/30/2021

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

Holdings by Account and Asset Class (Primary)

| Description | Market Value (4/1/2021) | Purchases / Sales | Interest Dividends Cap. Gains | Market Value (6/30/2021) | Annualized Return % (IRR Net of Fees) |
|--|----------------------------|----------------------|-------------------------------------|-----------------------------|--|
| Carmel Area Wastewater District Ppt Non Prototype NFS - PPS Custom (xxxx4110) | | | | | |
| Domestic Equity | | | | | |
| iShares Core S&P 500 ETF | 778,700.43 | 2,397.59 | 2,397.59 | 843,964.77 | 8.38 |
| JPMorgan Large-Cap Growth Fund CI I | 462,036.47 | .00 | .00 | 502,236.86 | 8.70 |
| Columbia Contrarian Core Fund Advisor CI | 448,851.86 | .00 | .00 | 486,244.97 | 8.33 |
| Neuberger Berman Large-Cap Value Fund Institutional CI | 443,680.48 | .00 | .00 | 459,132.55 | 3.48 |
| MFS Mid-Cap Value Fund CI I | 256,713.90 | .00 | .00 | 269,489.17 | 4.98 |
| Bridgeway Small-Cap Value Fund | 242,284.05 | .00 | .00 | 264,066.45 | 8.99 |
| Federated Hermes Kaufmann Small-Cap Fund Institutional Shares | 199,006.99 | .00 | .00 | 214,036.24 | 7.55 |
| iShares Morningstar Mid-Cap Growth ETF | 194,900.78 | 255.83 | 255.83 | 213,300.87 | 9.44 |
| Total Domestic Equity | \$3,026,174.95 | \$2,653.42 | \$2,653.42 | \$3,252,471.89 | 7.48 |
| International Equity | | | | | |
| PGIM Jennison International Opportunities Fund-CI Z | 328,383.23 | .00 | .00 | 368,239.50 | 12.14 |
| Bank of New York Mellon Global Emerging Markets CI I | 237,742.13 | .00 | .00 | 244,549.92 | 2.86 |
| Total International Equity | \$566,125.35 | \$0.00 | \$0.00 | \$612,789.41 | 8.24 |

| Description | Market Value (4/1/2021) | Purchases / Sales | Interest Dividends Cap. Gains | Market Value (6/30/2021) | Annualized Return % (IRR Net of Fees) |
|---|----------------------------|----------------------|-------------------------------------|-----------------------------|--|
| Domestic Bond | | | | | |
| Columbia Mortgage Opportunities Fund Advisor CI | 642,667.11 | 4,870.64 | 4,870.64 | 643,403.02 | 0.11 |
| PGIM High-Yield Fund- CI Z | 547,265.61 | 7,629.84 | 7,629.84 | 562,849.25 | 2.85 |
| BlackRock Floating Rate Income Portfolio Institutional | 380,915.61 | 3,317.22 | 3,317.22 | 386,159.08 | 1.38 |
| American Funds Inflation Linked Bond Fund CI F- 2 | 321,895.61 | .00 | .00 | 330,603.61 | 2.71 |
| American Funds U.S. Government Securities CI F-2 | 296,377.14 | 821.71 | 821.71 | 300,386.07 | 1.35 |
| Goldman Sachs Enhanced Income Fund CI Administration | 254,356.43 | 270.44 | 270.44 | 254,626.78 | 0.11 |
| Total Domestic Bond | \$2,443,477.50 | \$16,909.85 | \$16,909.85 | \$2,478,027.82 | 1.41 |

| | 3 Month | 1 Year | 3 Year | 5 Year |
|----------------------------------|---------|--------|--------|--------|
| S&P 500 TR | 8.55 | 40.79 | 18.67 | 17.65 |
| Russell 1000 | 8.54 | 43.07 | 19.16 | 17.99 |
| Russell Mid Cap | 7.50 | 49.80 | 16.45 | 15.62 |
| Russell 2000 | 4.29 | 62.03 | 13.52 | 16.47 |
| MSCI EAFE | 5.17 | 32.35 | 8.27 | 10.28 |
| MSCI Emerging Markets | 5.05 | 40.90 | 11.27 | 13.03 |
| Barclays Capital US Aggregate | 1.83 | -0.33 | 5.34 | 3.03 |

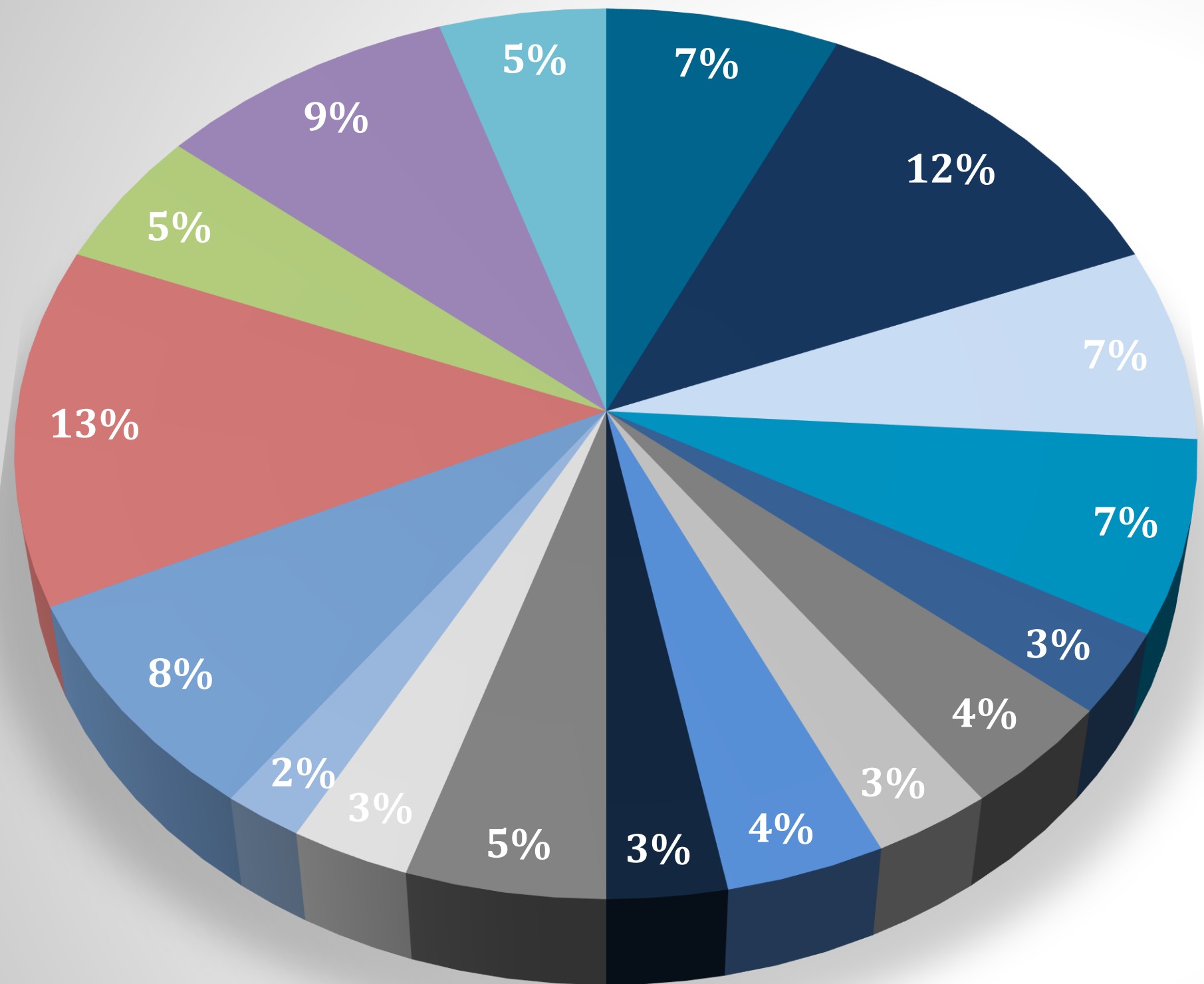
- Sell:

- BNY Mellon Global Emerging Markets
- American Funds Government Securities
- Columbia Mortgage Opportunities
- Goldman Sachs Enhanced Income
- American Funds Inflation Protected

- Buy:

- iShares MSCI International Quality Factor
- PGIM Jennison Emerging Markets
- BlackRock Multi Strategy
- American Funds Strategic Bond
- Loomis Sayles Inflation Protected

- Rebalance the rest of the portfolio



- JP Morgan Large Cap Growth - 7%
- iShares Core S&P 500 - 12%
- Columbia Contrarian Core - 7%
- Neuberger Berman Large Value - 7%
- iShares Morningstar Mid Cap - 3%
- MFS Mid Value - 4%
- Federated Kaufmann Small Cap - 3%
- Bridgeway Small Value - 4%
- Vanguard Consumer Discretionary - 3%
- PGIM International Opportunities - 5%
- iShares MSCI International Quality Factor - 3%
- PGIM Jennison Emerging Markets - 2%
- BlackRock Multi Strategy - 8%
- American Funds Strategic Bond - 13%
- Loomis Sayles Inflation Protected - 5%
- PGIM High Yield - 9%
- Cash - 5%

BETA:

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

| | <u>3 Year</u> | <u>5 Year</u> | <u>10 Year</u> |
|----------------|---------------|---------------|----------------|
| CAWD Portfolio | 0.67 | 0.66 | 0.74 |

| Mutual Fund/ETF | 3 Year Beta | Net Expense Ratio |
|---|-------------|-------------------|
| JP Morgan Large Cap Growth | 1.06 | 0.69 |
| iShares Core S&P 500 | 1.00 | 0.03 |
| Columbia Contrarian Core | 1.03 | 0.77 |
| Neuberger Berman Large Cap Value | 1.04 | 0.68 |
| iShares Morningstar Mid Cap | 1.07 | 0.06 |
| MFS Mid Value | 1.16 | 0.82 |
| Federated Kaufmann Small Cap | 1.09 | 0.91 |
| Bridgeway Small Value | 1.25 | 0.94 |
| PGIM International Opportunities | 0.87 | 0.90 |
| iShares MSCI International Quality Factor | 0.92 | 0.30 |
| PGIM Jennison Emerging Markets | 0.88 | 0.90 |
| BlackRock Multi Strategy | 0.13 | 0.98 |
| American Funds Strategic Bond | 0.83 | 0.48 |
| Loomis Sayles Inflation Protected | 1.04 | 0.40 |
| PGIM High Yield | 0.79 | 0.40 |

STANDARD DEVIATION:

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

| | <u>3 Year</u> | <u>5 Year</u> | <u>10 Year</u> |
|-----------------------------|---------------|---------------|----------------|
| CAWD Portfolio | 12.76 | 10.24 | 10.32 |
| Standard & Poor's 500 Index | 18.52 | 14.99 | 13.59 |

MEAN:

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

| | <u>3 Year</u> | <u>5 Year</u> | <u>10 Year</u> |
|-----------------------------|---------------|---------------|----------------|
| CAWD Portfolio | 15.75 | 14.30 | 11.29 |
| Standard & Poor's 500 Index | 18.67 | 17.65 | 14.84 |

ALPHA:

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

| | <u>3 Year</u> | <u>5 Year</u> | <u>10 Year</u> |
|----------------|---------------|---------------|----------------|
| CAWD Portfolio | 2.38 | 1.96 | 0.21 |

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All returns are shown net of fees unless otherwise indicated. Commonwealth relies upon data, formulas, and software to calculate the performance of portfolios. Periodic software enhancements may possibly cause inconsistencies with some performance calculations. Please notify your advisor if you have reason to believe calculations are incorrect to help ensure proper performance calculations going forward.

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Blended benchmark returns are composed of individual index data and index composition may change over time. All indices are unmanaged and it is not possible to invest directly in an index or blended benchmark. Unlike investments, indices and blended benchmarks do not incur management fees, charges, or expenses.

Balanced Custom Benchmark - 48.00% Russell 3000; 5.50% US Treasury Bills; 4.00% Bloomberg Barclays US Government Intermediate; 20.00% Bloomberg Barclays US Govt/Credit 1-3 Yr ; 9.00% MSCI ACWI ex USA (GR) ; 8.50% BofA Merrill Lynch US High-Yield - Master II; 5.00% Bloomberg Barclays US TIPS Index - Rebalance monthly.

Russell 3000 - The Russell 3000 Index is composed of 3000 large U.S. companies, as determined by market capitalization. This portfolio of securities represents approximately 98% of the investable U.S. equity market.

US Treasury Bills - The 3-Month Treasury Bill represents the monthly return equivalents of yield averages, which are not marked to market; this index is an average of the last three three-month Treasury Bill issues.

Bloomberg Barclays US Government Intermediate - The Bloomberg Barclays US Government Intermediate Bond Index is a broad measure of U.S. Government Treasury and Agency Securities with maturities of up to ten years.

Bloomberg Barclays US Govt/Credit 1-3 Yr - The Bloomberg Barclays US Govt/Credit 1-3 Yr Index measures a composite of government and corporate issues with maturities between 1-3 years.

MSCI ACWI ex USA (GR) - The MSCI ACWI ex USA (Gross) is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of Developed and Emerging Markets. The MSCI ACWI ex USA index does not include the United States. (Total Return Gross USD)

BofA Merrill Lynch US High-Yield - Master II - The Merrill Lynch US High Yield Master II Index is a commonly used benchmark index for high yield corporate bonds. It is administered by Merrill Lynch. The Master II is a measure of the broad high yield market, unlike the Merrill Lynch BB/B Index, which excludes lower-rated securities.

Bloomberg Barclays US TIPS Index - The Bloomberg Barclays U.S. TIPS Index is a rules based, market value-weighted index that tracks inflation-protected securities issued by the U.S. Treasury.