

**CALAVERAS PUBLIC UTILITY DISTRICT
BOARD OF DIRECTORS REGULAR MEETING: 7:00 PM
April 13, 2021**

Calaveras Public Utility District hereby provides notice that it will convene its regularly scheduled public meetings of the Board of Directors exclusively by telephone conference until further notice. No attendance will be permitted by the public at the District office until further notice.

Based on guidance from the California Governor's Office and the Department of Public Health, to minimize the potential spread of the COVID-19 virus, please do the following:

- Join the Conference Call meeting
- - **Dial-in number (US):** 1(669)900-9128
 - **Join the online ZOOM meeting:**
 - <https://us02web.zoom.us/j/85952352835?pwd=THFvZTRaSnFSS1BQdWVpOGI4aC9mUT09>
 - **Meeting ID:** 859 5235 2835
 - **Meeting Passcode code:** 147568
- Please mute your call before joining. This will limit technical difficulties with audio.
- Only unmute your call if the President has requested public comment on an item. Upon completing your comments, please mute your call again.
- Do not put the call on hold, as hold music can ruin the call for all other participants. If that occurs,

AGENDA

I. CALL THE MEETING TO ORDER

II. ROLL CALL OF DIRECTORS

President J.W. Dell 'Orto
Director Richard Blood
Director Scott Speer

III. PLEDGE OF ALLEGIANCE

IV. PUBLIC COMMENT (Limit: 3 min/person)

At this time, members of the public may address the Board on any matter within its jurisdiction which is not on the agenda. The public is encouraged to work with staff to place items on the agenda for Board consideration. No action can be taken on matters not listed on the agenda. Comments are limited to 3 minutes per person.

V. CONSENT ITEMS

Consent items should be considered together as one motion. Any item(s) requested to be removed will be considered after the motion to approve the Consent Items.

- a. Minutes of Regular Meeting of March 2, 2021
- b. Minutes of Special Meeting of March 9, 2021
- c. Minutes of Special Meeting of March 15, 2021
- d. Minutes of Special Meeting of March 23, 2021
- e. Minutes of Special Meeting of March 30, 2021
- f. System Total Report for March
- g. Water Report
- h. Claim Summary
- i. Resolution 2021-4 Update Authorization for Transfer of Funds Local Agency Investment Fund (LAIF)

Action: (Roll call Vote)

Motion to approve consent items for items a-i

ITEMS FOR BOARD DISCUSSION AND/OR ACTION

Board action may occur on any identified agenda item. Any member of the public may directly address the Board on any identified agenda item of interest, either before or during the Board's consideration of that item.

VI. APPLICATION FOR CITIZEN APPOINTMENT TO CALAVERAS PUBLIC UTILITY DISTRICT BOARD OF DIRECTORS

Brady McCartney, Mokelumne Hill, CA 95245

Action Requested: Roll Call Vote

Request consideration to appoint Brady McCartney to the Board of Directors

VII. WATER CAPACITY AND CONNECTION FEES STUDY: Presentation by Hansford Economic Consulting, LLC to update the Board on the status of the Water Capacity and Connection Fees Study

Action Requested: Roll Call Vote

Request discussion and consideration to provide direction to staff and Hansford Economic Consulting

VIII. CLEARWELL TANK PROJECT: Presentation by Weber, Ghio and Associates, Inc. to update the Board on the status of the Clearwell Tank Project.

Action Requested: Roll Call Vote

Request discussion and possible action to provide direction to staff and Weber, Ghio and Associates, Inc.

IX. REPORTS

The purpose of these reports is to provide information on projects, programs, staff actions, and committee meetings that are of general interest to the Board and public. No decisions are to be made on these issues.

1. Legal Counsel's Report
2. Water System Superintendent's Report
3. Interim General Manager's Report
4. Director's Comments: Directors may make brief announcements or brief reports on their own activities. They may ask questions for clarification, make a referral to staff or take action to have staff place a matter of business on a future agenda.

X. BOARD OF DIRECTOR MEETINGS

Action Requested: Roll Call Vote

Request consideration and possible action to change monthly Board meetings to daytime hours.

XI. CLOSED SESSION

Pursuant to Government Code Sections 54957 Public Employee Performance Evaluation
Interim General Manager

XII. ADJOURNMENT

If there is no other Board business the President will adjourn the meeting to its next regular meeting in May as determined at this Board meeting.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Office at (209) 754-9442. Notification in advance of the meeting will enable CPUD to make reasonable arrangements to ensure accessibility to this meeting. Any documents that are made available to the Board before or at the meeting, not privileged or otherwise protected from disclosure, and related to agenda items, will be made available at CPUD for review by the public.

Minutes of Special Meeting

7:00 pm

MEMBERS PRESENT: Richard Blood
J.W. Dell'Orto
John Lavaroni
Scott Speer

STAFF PRESENT: Donna Leatherman, General Manager
Adam Brown, Legal Counsel

1. ROLL CALL AND PLEDGE OF ALLEGIANCE: The special meeting of the Board of Directors (conducted via Zoom) was called to order by President Dell'Orto at 7:25P.M. Directors Dell'Orto, Speer, Lavaroni and Blood were present.

2. PUBLIC COMMENT (Limit 3 minutes per person/15 minutes per subject): None

3. CLOSED SESSION

a. Personnel Matters

Public Employee Performance Evaluation (Government Code §54957(b)(1))

Title: General Manager

At 7:35pm the Board convened into closed session. The General Manager left the meeting, and the meeting was attended by District Legal Counsel, Adam Brown, who also conducted the Zoom hosting privileges and served as secretary.

The Board reconvened into open session at 8:20pm. The General Manager asked to re-enter the meeting. During this time, the General Manager reported to the Board of her intent to retire as of March 31, 2021.

The Board reconvened into closed session at 8:44 pm. The Board reconvened into open session at 10:00. It was announced that no action was taken during the closed session. The Board discussed the announcement of the General Manager's retirement. It was also reported out that Director Lavaroni announced his resignation from the Board of Directors effective at the end of this meeting.

4. ADJOURNMENT (Next Regular Meeting March 9, 2021 at 7:00pm) As there was no further business to come before the Board, a motion was made by Director Speer, seconded by Director Blood, to adjourn the meeting.

Respectfully Submitted,

Adam Brown, Legal Counsel

Regular Meeting

7:00 pm

MEMBERS PRESENT: J.W. Dell'Orto
Scott Speer
Richard Blood

STAFF PRESENT: Donna Leatherman, General Manager
Carissa Bear, Administrative Account Assistant
Adam Brown, Legal Counsel
Matt Ospital, District Engineer

OTHERS PRESENT: Megan Long
Gary Phillips, Bob Murray & Associates *

1. ROLL CALL AND PLEDGE OF ALLEGIANCE: The regular meeting was called to order by President Dell'Orto at 7:02 P.M. Directors Dell'Orto, Blood and Speer were present.

2. PUBLIC COMMENT (Limit 3 minutes per person/15 minutes per subject): Megan Long had a previous request for water service. At that time, her application was denied due to needing an easement. She has since obtained the easement and would like water service. She asked for clarification on what the policy is to get water service in regarding having a physical address or assessor's parcel number. She also expressed her frustration with the office still being closed due to COVID-19 and wanted to know when the office will be open again.

3. APPROVAL OF CONSENT CALENDAR:

- a. Minutes of Regular Meeting of February 9, 2021
- b. Minutes of Special Meeting February 16, 2021
- c. Systems Totals Report for February 2021
- d. Maintenance Report of February 2021
- e. Water Report for February 2021

Director Blood inquired as to why the minutes from the Special Meeting held March 2, 2021 were not included, the General Manager explained. Director Dell'Orto stated he liked the water comparisons being closer. A motion was made by Director Speer, seconded by Director Blood, to approve the Consent Calendar as presented. A roll call vote was taken. Directors Dell'Orto, Speer and Blood voted yes, none opposed. Motion carried 3-0.

*At 7:15pm President Dell'Orto moved to items #7 and #8 on the agenda.

4. FINANCIAL BUSINESS

a. Approval of Claim Summary #749: Director Speer inquired as to what work was completed by Cole Tiscornia Construction (CTC). The General Manager clarified that CTC assisted with three leak repairs; the ballpark in Mokelumne Hill, Lewis Avenue, Miller Court, and support with a pressure station rebuild and fire hydrant replacement on Gold Strike Road. President Dell'Orto inquired about a bill for Glencoe pump station from Henwood. The General Manager clarified it was an old bill related to a P.S.P.S event. President Dell'Orto verified that the Solar Bee is the aerator at Jeff Davis, Reservoir, the General Manager confirmed. A motion was made by Director

Speer, seconded by Director Blood, to approve Claim Summary #749 in the amount of \$168,669.03. A roll call vote was taken, none opposed. Directors Dell'Orto, Speer and Blood voted yes. Motion carried 3-0.

b. Investment Update: President Dell'Orto made sure that the Directors were aware of the additional documents sent via email. The General Manager notified the board the CD that matured March 1st was reinvested. However, a different option was presented at a higher rate as shown. It will become callable June 1, 2021. Director Blood asked if there would be a penalty if the District were to pull its investments. The General Manager will get clarification and report back.

5. APPOINTMENT OF BOARD SECRETARY – POLICY NO. 1015: The General Manager described the duties of the Board Secretary and provided her recommendation of Carissa Bear, who has been recently promoted to the position of Administrative Account Assistant. A motion was made by Director Speer, seconded by Director Blood, to appoint Carissa Bear as Board Secretary. A roll call vote was taken. Directors Dell'Orto, Speer and Blood voted yes, none opposed. Motion carried 3-0.

6. APPOINTMENT OF REPRESENTATIVES TO ASSOCIATION MEMBERSHIPS POLICY NO. 1005: With the retirement of the General Manager, she recommended appointing Board members to association memberships. Each association meets quarterly. Discussion was held and the Board President appointed himself and Director Blood the alternate for Calaveras Amador Mokelumne River Authority, Director Speer, and President Dell'Orto alternate for Calaveras Public Power Agency, Director Blood and Director Speer, will be the alternate for Upper Mokelumne River Watershed Authority.

7. PRESENTATION: DRAFT – WATER CAPACITY AND CONNECTION FEES STUDY - HANSFORD ECONOMIC CONSULTING

The General Manager presented the draft study for the Board to review. The draft and comment from the Board will need to be submitted by March 26, 2021. President Dell'Orto asked for clarification on the term basic size, Matt Ospital, District Engineer clarified. Director Blood asked for the difference in cost between a 5/8" meter and a 1" meter, the General Manager clarified. Director Dell'Orto commented on the cost being higher than expected. Director Speer expressed that he had no concerns with the cost and thought the price was right where he expected it to be. President Dell'Orto agreed an adjustment to connection fees is needed.

8. STATUS REPORT – CLEARWELL TANK PROJECT – WEBER, GHIO AND ASSOCIATES, INC.

Matt Ospital, District Engineer, provided update and information on a similar tank project in Linden which came in over the engineer's estimate. He explained the difference in cost is due to the cost of steel going up. Mr. Ospital reported on project status and next steps. Director Blood inquired about where the dirt will be put, Mr. Ospital clarified. Director Blood expressed his concerns with the cost and the potential of the rest of the supplies being over budget. Mr. Ospital explained that his only concern at this time is with the cost of steel. Director Blood wanted clarification on what was included in the price, Mr. Ospital clarified. Director Blood expressed his dissatisfaction with the size of the tank that will be used. He believes a smaller tank would have worked for less money. The General Manager stated the project needs to move forward as approved. Change will delay all efforts thus far. President Dell'Orto expressed his concern with the timeline for the rest of the project and delays due to COVID-19, Mr. Ospital reassured him that he is not concerned.

*At 7:38pm Gary Phillips, Bob Murray & Associates joined the meeting. Adam Brown recommended moving to item #11 on the agenda.

9. CLEARWELL TANK PROJECT-FINANCING AGREEMENT

The General Manager presented the financial agreement and explained that it had been reviewed by Legal Counsel and there were no concerns. The only change was to the installment agreement modifying payment to biannual, which was originally an annual payment. Mr. Brown believes an explanation will be provided during the April board meeting. Director Blood expressed his concern with the language regarding the Water Treatment Plant being put up as collateral. Mr. Brown informed him that is normal practice. Director Blood asked if this is a draft agreement that is being voted on at this time. Mr. Brown confirmed that is a draft and the final agreement is not expected to change much. Director Blood asked what section of the agreement states this is not the final draft. Mr. Brown informed him the language he is looking for could be found in section 2 in the resolution. Director Blood asked for President Dell'Orto's opinion. Director Dell'Orto provided his opinion. A motion was made by Director Speer, seconded by Director Blood, to approve Resolution 2021-3 – Resolution of The Calaveras Public Utility District Approving Conveyance Agreement and an Installment Purchase Contract. A roll call vote was taken. Directors Dell'Orto, Speer and Blood voted yes, none opposed. Motion carried 3-0.

*At 8:34pm President Dell'Orto returned to item #4 on the agenda.

10. ACWA/JPIA – President's Special Recognition Awards: The General Manager reported that ACWA/JPIA annually recognizes their members that have a loss ratio of 20% or less in their insurance program. The District has received this award since 2000 and continues to strive to meet these goals in Liability, Property, and Workers Compensation programs.

11. CONSIDERATION OF BOB MURRAY & ASSOCIATES PROPOSAL FOR GENERAL MANAGER RECRUITMENT: Mr. Gary Phillips of Bob Murray & Associates opened with a presentation. He went over the proposal in detail, following the presentation he welcomed any questions. Director Blood asked clarifying questions pertaining to how the interview process works, Mr. Phillips clarified. The General Manager inquired if the number of Board members and vacancies on the Board could potentially impact the process, Mr. Phillips clarified he has worked with this situation before. Mr. Phillips assuring the Board and the General Manager that although difficult a full Board is not required. Director Dell'Orto inquired as to how many applicants typically meet the qualifications. Mr. Phillips informed him it is typically expected to receive 6-12 qualified applicants. Director Blood inquired as to when work can begin if the Board decides to go with the proposal. Mr. Phillips advised he could start within days of the contract being signed. Mr. Phillips left the meeting at 8:13pm. The Board, General Manager, and Legal Counsel discussed the proposal. A motion was made by Director Speer, seconded by Director Blood to approve Consideration of Bob Murray & Associates Proposal for General Manager Recruitment at a cost not to exceed \$25,000. A roll call vote was taken. Directors Dell'Orto, Speer and Blood voted yes, none opposed. Motion carried 3-0.

*At 8:17pm President Dell'Orto moved to item #9.

12. STAFF REPORTS

a. General Manager's Report: The General Manager provided an overview of current work

projects as reported.

- b. Legal Counsel's Report: Mr. Brown reported the legal counsel's report was covered so far and the remainder will be covered in closed session.
- c. Engineer's Report: Engineer's Report was covered earlier on. Nothing more to report.

13. BOARD MEMBERS' REPORTS:

- a. LAFCO Public Hearing: The General Manager reported LAFCO hearing will be held Monday, March 15, 2021 at 6 pm, she will attend the Zoom meeting.
- b. Director Blood- UMRWA Meeting Reminder for April 22, 2021.
- c. Other Board Member Comments: Director Speer asked if someone needs to replace Director Lavaroni's position on LAFCO. The General Manager reported LAFCO will appoint one of their alternates. President Dell'Orto requested a Resolution of Appreciation for Director Lavaroni at the April Board meeting. The General Manager agreed and stated the Lavaroni family had served on the board for over fifty years between John and his father Hank Lavaroni.
- d. Reminder of Annual Statement of Economic Interest – Form 700 (Due: April 1, 2021)
The General Manager reminded the board to complete their Form 700 forms. Also, she informed the Board of the \$10 a day penalty for filing after the deadline.

14. CLOSED SESSION

- a. Conference with Labor Negotiators (Government Code §54957.6)
Adam Brown briefly discussed the agenda of the closed session, the Board convened to closed session at 9:12 pm. The General Manager left the meeting, and the remainder of the meeting was attended by District Legal Counsel, Adam Brown, who also conducted the Zoom hosting privileges and served as secretary.

The Board reconvened into open session at 11: 35. During closed session, the Board discussed with the General Manager a possible delay in her retirement until a permanent General Manager replacement was recruited. No action was taken.

15. ADJOURNMENT (Next Regular Meeting April 13, 2021 at 7:00pm) As there was no further business to come before the Board, a motion was made by Director Speer, seconded by Director Blood, to adjourn the meeting. A roll call vote was taken. Directors Dell'Orto, Speer and Blood voted to adjourn the meeting at 11: 40. Motion carried 3-0.

Respectfully Submitted,

Carissa Bear, Board Secretary

Special Meeting

6:00 pm

MEMBERS PRESENT: J.W. Dell'Orto
Scott Speer
Richard Blood

STAFF PRESENT: Donna Leatherman, General Manager
Adam Brown, District Legal Counsel
Carissa Bear, Board Secretary
Mathew Roberts, Water Systems Superintendent
Matt Ospital, District Engineer

OTHERS PRESENT: Gary Phillips, Bob Murray & Associates *

1. **ROLL CALL AND PLEDGE OF ALLEGIANCE:** The special meeting of the Board of Directors (conducted via Zoom) was called to order by President Dell'Orto at 6:09 P.M. Directors Dell'Orto, Speer, and Blood were present.

2. **PUBLIC COMMENT (Limit 3 minutes per person/15 minutes per subject):** None

3. **DISCUSSION REGARDING STATUS OF DISTRICT OPERATIONS AND PROVIDE DIRECTION TO GENERAL MANAGER**

Adam Brown, District Legal Counsel, informed the Board of the telephone conference between President Dell'Orto, the General Manager and himself that took place on March 12. The purpose of the call was to discuss pending items and to help make the transition at the end of the month as smooth as possible. The General Manager provided input on the meeting. District Legal Counsel stated at this time a list of what is needing to be done and a list of items that can be placed on hold is important. The General Manager responded that the Board is not clear on what the priorities consist of and with time running out until her expected retirement on March 31, creating a prioritized list was difficult without the Board's input. Mr. Brown stated he understood the preparation of the budget and the Clearwell Tank Project should be at the top of the list. President Dell'Orto expressed the need to get the bank updates, informing Service Employees International Union (SEIU), preparing the budget, and preparing a list of pending and upcoming projects. Director Speer agreed with the above-listed items. Director Blood asked the General Manager to familiarize the staff with projects and where the documentation for those projects are kept. Director Blood asked the General Manager if there is a numbering system in place to locate files easily. The General Manager stated that the staff is aware of the District's filing system. Director Blood asked whether there was a written procedure for the filing system, the General Manager responded. The General Manager informed the Board that the Clearwell Tank project funding is moving forward, and a pending signature is required from President Dell'Orto on the Resolution passed at the March regular meeting. The General Manager is in the processing of making step by step procedures for numerous items. The General Manager informed the Board that GEI Consulting will be assisting with FERC requirements to respond to the FERC annual letter. The Part 12 will

require an extension request for possibly December of 2021. The General Manager reported that anything to do with the Clearwell Tank project, minus the financing, will be handled by Weber, Ghio, and Associates. The General Manager will attempt to prepare an Excel spreadsheet, and President Dell'Orto agreed that a spreadsheet will be helpful. The General Manager stated that she will need a point of contact to provide to SEIU, and District Legal Counsel reported that he could serve as the point of contact until an interim General Manager is in place. The General Manager reported that she has a standing monthly meeting with Weber, Ghio, and Associates and will have a list for presentation to the Board. The General Manager informed the Board on the status of the State Revolving Fund (SFR) Planning Grant. A conversation ensued regarding the Calaveras County Water District's agreement with Calaveras Public Utility District. The General Manager informed the Board that the existing agreement is due to expire in June. President Dell'Orto suggested a short-term extension to the existing agreement in order for the new General Manager to get settled. The General Manager reported that the modeling efforts by KASL are continuing. The General Manager hopes to have the EAP reviews finalized by the end of month. The General Manager has spoken with staff regarding the Consumer Confidence Report and other required state reports. The Board was informed that the District has received acceptance letters for two new hires filling the Water Utility Worker I and Customer Service Representative vacancies.

4. CONSIDERATION OF ENGAGEMENT OF INTERIM GENERAL MANAGER

District Legal Counsel reported he had contacted John Kingsbury to inquire about his interest in filling the interim General Manager position, as he had served in that capacity in 2020 for Amador Water Agency. Mr. Kingsbury expressed interest. However, he was out of town and unavailable until later this month.

At 6:46pm Gary Phillips, Bob Murray & Associates joined the meeting.

5. CLOSED SESSION – PUBLIC EMPLOYEE APPOINTMENT (GOV. CODE § 54957)

Title: General Manager

Meeting with Gary Phillips of Bob Murray & Associates, District negotiator/recruiter for General Manager position.

Gary Phillips briefly discussed the recruitment process prior to closed session. During this time, Mr. Phillips requested the General Manager gather some items to help put together the marketing materials and job description for the General Manager. The Board convened to closed session at 6:54pm. The General Manager left the meeting, and the remainder of the meeting was attended by District Legal Counsel, Adam Brown, who also conducted the Zoom hosting privileges and served as Secretary.

The Board reconvened into open session at 9:05pm. The General Manager rejoined the meeting. District Legal Counsel reported that during closed session the Board discussed the recruitment process and with recruiter Gary Phillips. No action was taken. Prior to closing the meeting, the General Manager asked the Board if they are going to be prepared and have a better idea of the duties of the interim General Manager and hopes they are better prepared in all aspects of their duties as a Board of Directors. There was discussion among the Board and General Manager regarding the Board keeping abreast of District operations and priorities, and the need for a smooth transition until a permanent General Manager could be recruited. The General Manager offered to delay her retirement if the Board accepted her conditions of continued employment.

6. ADJOURNMENT

A motion was made by Director Blood that if there was no further business before the Board that the meeting be adjourned. Before a second could be made, the meeting ended when the Zoom call was disconnected.(Next Regular Meeting April 13, 2021 at 7:00pm)

Respectfully Submitted,

Carissa Bear, Secretary

DRAFT

Minutes of Special Meeting

7:00 pm

DIRECTORS PRESENT: J.W. Dell'Orto
Scott Speer
Richard Blood

STAFF PRESENT: Donna Leatherman, General Manager
Adam Brown, District Legal Counsel
Carissa Bear, Board Secretary

OTHERS PRESENT: John Kingsbury

1. ROLL CALL AND PLEDGE OF ALLEGIANCE: The special meeting of the Board of Directors (conducted via Zoom) was called to order by President Dell'Orto at 7:03 P.M. Directors Dell'Orto, Speer, and Blood were present.

2. PUBLIC COMMENT (Limit 3 minutes per person/15 minutes per subject): None

3. DISCUSSION REGARDING STATUS OF DISTRICT OPERATIONS AND PROVIDE DIRECTION TO GENERAL MANAGER

President Dell'Orto inquired on how things were going regarding the General Manager's upcoming retirement. The General Manager informed the Board that she and Adam Brown, District Legal Counsel, attended a meeting via Zoom with Calaveras County Water District regarding the possibility of extending their water agreement with Calaveras Public Utility District. The General Manager reported that Calaveras County Water District is interested. The Board will need to decide the length of the extension. The General Manager reminded the Board that the current agreement ends in June. The General Manager questioned why Calaveras County Water District would need the same amount of water as the current agreement since they are not using it. Calaveras County Water District was not able to provide answers at that time. Attorney Brown informed the Board that once Calaveras County Water District has the answers that they will provide them. He believes that they were not prepared to answer specifically at that time..

The General Manager reported that two new staff members will be starting on March 29, 2021. She has high expectations for the new staff as they are both eager to start.

The General Manager informed the Board that she has started the 2021/2022 Budget but has not made much progress.

The General Manager has her final meeting with WGA, Inc. on March 24, 2021. She will discuss the status of any pending projects and she will ask WGA, Inc. to prepare a report for April's Board Meeting.

The General Manager reported on the status of the Clearwell Tank Project funding. Everything is on track for funding to close on April 1, 2021. She inquired about the possibility of delaying the funding but was informed that an increase to the interest rate would occur after April 1, 2021. She requested WGA, Inc. to provide a rough estimate of a budget needed over the next three to four months. WGA, Inc. believes \$30,000 - \$40,000 will be sufficient. Attorney Brown reminded the Board that this is not an action item. He wanted to verify that the Board is still comfortable moving

forward due to the imminent retirement of the General Manager. The General Manager verified that the District has up to 2 years to use the funds. She recommended transferring the balance to LAIF after it is initially wired to the District's account at Wells Fargo Bank, and noting that the funds are intended for The Clearwell Tank Project. She is unsure if there are any ramifications by putting in that account due to the interest. Director Speer expressed that interest rates are going to continue to rise in the upcoming months. He thinks it is in the District's best interest to lock in a lower rate while we can. President Dell'Orto checked with the General Manager that the District is locked in at a 2.75% interest as long as it is funded by April 1, 2021. The General Manager confirmed. Attorney Brown reported that if funded after April 1, 2021 that the rate will jump to 3.05%. The General Manager will forward all email correspondence regarding funding. President Dell'Orto was pleased to know that the District has up to two years to use the funds. He thanked the General Manager for looking into that. Attorney Brown informed the Board that the documents are ready for President Dell'Orto's signature as long as there are no objections. Director Blood inquired as to if the documents would still be sent over for review before being signed as previously indicated. The General Manager said she could send them out. Attorney Brown informed Director Blood that there were no changes made since his last review. Director Blood requested to still be able to review it. President Dell'Orto reported that if Director Blood has no objections that he will be in by the end of the month to sign the documents.

The General Manager asked the auditor to send a quote for the annual audit. She thinks it will benefit the District to stay with our current company until we have a new General Manager on board. President Dell'Orto asked if it was time to get a new one. The General Manager informed him that it is, but we can make it one more year as long the company uses different staff this year. President Dell'Orto agreed to stay with current audit company.

The General Manager will provide a list of pending new connections. The General Manager informed the Board that Chester Murphy's new single-family connection is still pending. She believes that it will be a few more months before he is ready to act. He will be required to fill out an application and pay his fees.

The General Manager will meet with Rich Sanchez with G.E.I to create a list of pending items. She will ask him to give a presentation at the April Board meeting.

The General Manager asked if the Board was still interested in a presentation by Hansford Economic Consulting, LLC. President Dell'Orto expressed his interest.

4. CONSIDERATION OF ENGAGEMENT OF INTERIM GENERAL MANAGER

Attorney Brown has been in touch with John Kingsbury. John is retiring from Mountain Counties effective March 31, 2021. With the upcoming retirement of the General Manager, the District will need an Interim General Manager. Mr. Kingsbury previously acted as the Interim General Manager of Amador Water Agency and comes highly recommended. Mr. Kingsbury provided his previous agreement with Amador Water Agency as a template to be used for Calaveras Public Utility District. Mr. Kingsbury informed the Board that he has restrictions on the number of hours he is able to work as a retired annuitant through CalPERS. Mr. Kingsbury gave a brief overview of his career. He expressed his interest in becoming the Interim General Manager. President Dell'Orto thanked Mr. Kingsbury for making himself available and expressed that he believes Mr. Kingsbury will be a great fit at the District. Director Dell'Orto asked for clarification on how Mr. Kingsbury would be paid. Mr. Kingsbury clarified that it would be on an hourly basis. President Dell'Orto informed Director Blood that the formula is in the contract. The General Manager recommended setting a set schedule for the Interim General

Manager. She asked the Board to come up with a plan and to inform the staff since they are unaware of what will be happening come April 1, 2021. Attorney Brown informed the General Manager that once on board, Mr. Kingsbury will introduce himself to the staff and come up with a plan. Once staff is comfortable, then he will do the majority of his work remotely. The General Manager expressed her concerns of the role being so hands off. Director Speer clarified that a General Manager position needs to be more hands on, but an Interim General does not need to be, as he is serving a caretaker role until the new permanent General Manager is recruited. Mr. Kingsbury informed the Board that his goal is to give the staff the tools to successfully do their jobs without someone being there one hundred percent of the time. His goal is to empower the staff. He will also stay on long enough to help on-board the new General Manager. Attorney Brown recommended the approval of \$55.98 for hourly rate, which is the published hourly rate for the current General Manager as required by PERS regulations for the employment of retired annuitants. Once the Board decides to move forward, he will meet with Mr. Kingsbury to finalize. A motion was made by Director Speer, seconded by Director Blood, to appoint Mr. Kingsbury as Interim General Manager. A roll call vote was taken. Directors Dell'Orto, Speer and Blood voted yes, none opposed. Motion carried 3-0.

5. AUTHORIZATION TO PURCHASE NEW 2020 F350 FORD 4WD SUPER CAB

The General Manager reported that another quote was received today. She pulled it up on the screen for everyone to see. The General Manager expressed the need for another utility truck with another crew member coming aboard. Due to COVID there were not a lot of trucks to choose from. All trucks quoted are different models. The General Manager asked for approval to raise the original budget of \$40,000 to \$50,000. President Dell'Orto and the General Manager discussed the size of the truck needed. It was agreed that a Ford F-250 would be sufficient. A motion was made by Director Speer, seconded by Director Blood, to approve the authorization to purchase a new truck at an amount not to exceed \$50,000. A roll call vote was taken. Directors Dell'Orto, Speer and Blood voted yes, none opposed. Motion carried 3-0.

6. CLOSED SESSION – PUBLIC EMPLOYEE APPOINTMENT (GOV. CODE § 54957)

Title: General Manager

Meeting with Gary Phillips of Bob Murray & Associates, District negotiator/recruiter for General Manager position.

Attorney Brown reported that he has not received any updates from the recruiter, so no closed session was conducted.

7. ADJOURNMENT

As there was no further business to come before the Board, a motion was made by Director Speer, seconded by Director Blood, to adjourn the meeting. A roll call vote was taken. Directors Dell'Orto, Speer and Blood voted to adjourn the meeting at 8:10 p.m. Motion carried 3-0. (Next Special Meeting March 30, 2021 at 7:00pm)

Respectfully Submitted,

Carissa Bear, Secretary

Minutes of Special Meeting

7:00 pm

DIRECTORS PRESENT: J.W. Dell'Orto
Scott Speer
Richard Blood

STAFF PRESENT: John Kingsbury, Interim General Manager
Adam Brown, District Legal Counsel
Carissa Bear, Board Secretary

1. ROLL CALL AND PLEDGE OF ALLEGIANCE: The special meeting of the Board of Directors (conducted via Zoom) was called to order by President Dell'Orto at 7:00 P.M. Directors Dell'Orto, Speer, and Blood were present.

2. PUBLIC COMMENT (Limit 3 minutes per person/15 minutes per subject): None

3. DISCUSSION REGARDING STATUS OF DISTRICT OPERATIONS AND PROVIDE DIRECTION TO GENERAL MANAGER

The Interim General Manager informed the Board that he has been meeting with some staff and also with President Dell'Orto. He plans on meeting with Directors Blood and Speer soon. The Interim General Manager is looking to get as much direction from staff and the Board as possible. The Water System Superintendent took the Interim General Manger on a tour of some of Calaveras Public Utility District's facilities. The Interim General Manager has scheduled a meet and greet between the staff and the Board for Thursday, April 1, 2021. The Interim General Manager's goal is to have the District ready for when a permanent General Manager comes in. The Interim General Manager has been in contact with Gary Phillips of Bob Murray & Associates. The Interim General Manager has left a message with Dennis Mallory of SEIU Local 1021 to introduce himself. The Interim General Manager informed the Board that he will be going out of state April 9, 2021 but he will still be available by phone, email and Zoom. The Interim General Manager let the Board know that he is looking to build a better relationship with local newspaper and is hoping to start an ongoing listing updating the public of what is happening at Calaveras Public Utility District. Director Blood asked if the Interim General Manager had a chance to meet with the District's Engineer, the Interim General Manager replied that he had not. The Interim General Manger informed the Board of his plans to start creating some committees once there is a full Board. Director Speer complimented the Interim General Manager on all of the work he has done so far and stated that he is pleased with the Board's decision bringing him on as Interim General Manager. President Dell'Orto agreed.

Adam Brown, District Legal Counsel informed the Board that he has been in contact with General Manager Donna Leatherman preparing for her upcoming retirement. Attorney Brown informed the Board that the funding documents for the Clearwell Tank Project have been submitted and it is expected that the General Manager will transfer the funds to LAIF as soon as they become available.

Carissa Bear, Administrative Account Assistant, reported that the two new staff hires started on Monday, March 29, 2021. Both new staff members have jumped in feet first and are already assisting with daily duties. The Administrative Account Assistant notified the Board that the new truck was delivered today and that a Board Member Application came in today as well. President Dell'Orto and Director Speer acknowledged the upcoming deadline for the Form 700s and promised to get them in on time. President Dell'Orto asked for a Resolution of Appreciation for Donna Leatherman and John Lavaroni to be written.

4. ADJOURNMENT

As there was no further business to come before the Board, a motion was made by Director Speer, seconded by Director Blood, to adjourn the meeting. A roll call vote was taken. Directors Dell'Orto, Speer and Blood voted to adjourn the meeting at 8:10 p.m. Motion carried 3-0. (Next Regular Meeting April 13, 2021 at 7:00pm)

Respectfully Submitted,

Carissa Bear, Secretary

System Totals Report

Calaveras P.U.D.

Water Sold This Month

12,110,835 Gallons

	Amount (\$)	# Of Accounts
Total Water	153,409.13	1,909
Total Late Charge	2,730.00	91
Total Adjustments	-1,818.45	103
Total New Acct Fee	280.00	8
Total Service Call Out	35.00	1
Total Current Charges	154,635.68	1,910
<hr/>		
Amount Past Due 1-30 Days	16,496.57	146
Amount Past Due 31-60 Days	2,596.43	35
Amount Past Due Over 60 Days	10,784.52	22
Amount Of Overpayments/Prepayments	-24,687.04	282
Total Receivables	159,826.16	1,840
<hr/>		
Total Receipts On Account	170,898.58	1,772
Net Change in Deposits	0.00	0
Amount of All Deposits	0.00	
Turned Off Accounts (Amount Owed)	5,267.77	149
Collection Accounts (Amount Owed)	5,267.77	149
Number Of Unread (Turned On) Meters		2
Average Usage For Active Meters	6,321	1,916
Average Water Charge For Active Meters	80.36	1,909

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		25	3,427,180	28.30	12.88
40,001-50,000		7	314,154	2.59	1.01
30,001-40,000		14	467,874	3.86	2.09
20,001-30,000		32	772,614	6.38	3.27
10,001-20,000		125	1,672,186	13.81	9.08
8,001-10,000		61	547,161	4.52	3.19
6,001-8,000		158	1,093,391	9.03	7.13
4,001-6,000		301	1,483,018	12.25	12.36
2,001-4,000		572	1,706,810	14.09	23.14
1-2,000		576	626,447	5.17	24.02
Zero Usage		45	0	0.00	1.83
<hr/>					
Total Meters		1,916	12,110,835	100.00	100.00

CALAVERAS PUBLIC UTILITY DISTRICT

CLAIM SUMMARY # 750

DATE: March 2021

The claims listed on the schedules attached to this summary have been examined and found to be correct and proper demands against the Calaveras Public Utility District.

Claims Submitted	\$172,655.13
Payroll Submitted	\$ 40,793.67
P/R Tax Deposits	\$ 19,026.54
Sub-total	232,475.34

Net Additions	
Net Deductions	
Claim Summary Approved for	\$232,475.34

Board Secretary, Calaveras Public Utility District

Calaveras Public Utility District Bill Payments for All Vendors

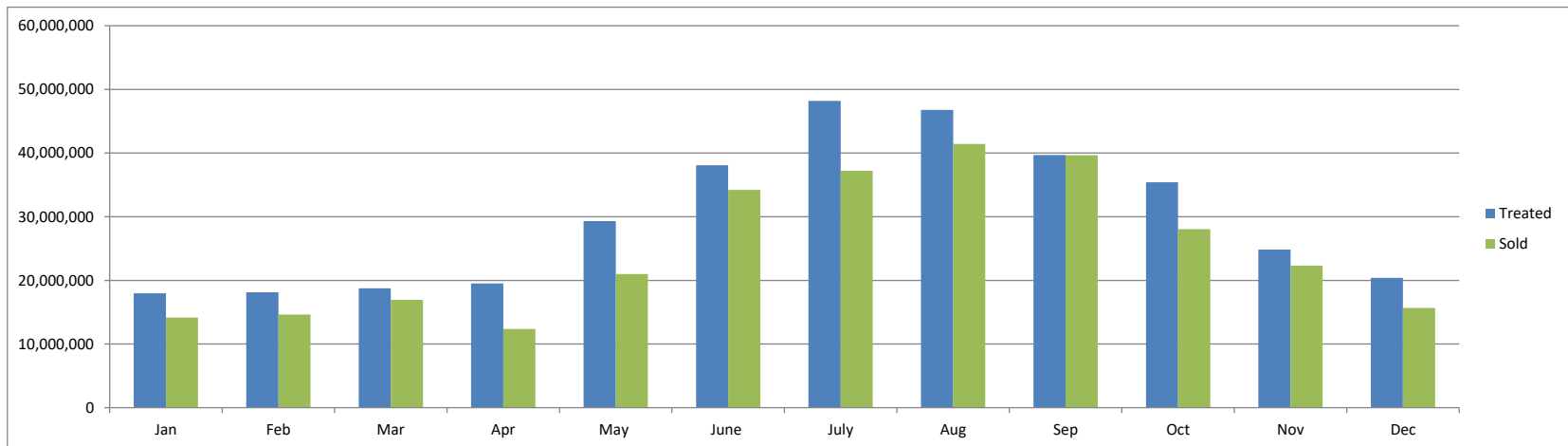
March 2021

Name	Num	Date	Amount	GL	Description
ACWA-Health	22908	03/09/2021	1,653.13		5643 Dental & Vision
ACWA/JPIA	22933	03/31/2021	909.29		5643 Dental & Vision
Alpha Analytical Labs, Inc.	22917	03/17/2021	520.00		5323 Lab Fees (February)
American Fidelity Assurance	EFT	03/26/2021	237.46		5646 125 Cafeteria Plan
American Fidelity Assurance	EFT	03/29/2021	237.46		5646 125 Cafeteria Plan
AT & T	22934	03/31/2021	67.72		5432 Utilities
Blood, Richard	22909	03/09/2021	75.00		5680 Director Compensation
Brawner Automotive Repair	22935	03/31/2021	485.53		5424 Vehicle Maintenance
Cal PERS	EFT	03/05/2021	11,863.06		5643 Health Insurance
Cole Tiscornia Construction	22918	03/17/2021	17,089.41	1190/5422	Construction/Leak Repairs
Comcast	22919	03/17/2021	311.37		5621 Utilities
De Lage Landen Financial Services Inc.	22920	03/17/2021	83.66		5623 Contract Services
Dell'Orto, J.W.	22910	03/09/2021	75.00		5680 Director Compensation
Fischer, Merle	22911	03/09/2021	496.18		5647 Post Retirement Health
Garrett's Cross Connection Control	22936	03/31/2021	330.00		5421 Backflow Testing
GEI Consultants, Inc.	22921	03/17/2021	445.50		5430 Engineering
Grainger	22922	03/17/2021	110.94		5322 WTP Supplies
Grainger	22937	03/31/2021	110.94		5322 WTP Supplies
Hansford Economic Consulting, LLC	22923	03/17/2021	8,743.75		5623 Contract Services
Hill Rivkins Brown & Associates	22938	03/31/2021	10,856.00		5682 Legal Services
Hobgood's Cleaning Service	22939	03/31/2021	160.00		5623 Janitorial Services
Hunt & Sons Inc.	22924	03/17/2021	1,031.84		5424 Fuel
Hunt & Sons Inc.	22940	03/31/2021	695.14		5424 Fuel
KASL Consulting Engineers	22941	03/31/2021	36,412.50		5430 Engineering-Modeling
Lavaroni, John	22912	03/09/2021	50.00		5680 Director Compensation
Lehigh Hanson	22942	03/31/2021	133.42		5421 Materials & Supplies
Matrix Trust Company	22913	03/09/2021	800.00		2317 457 Plan
Matrix Trust Company	22943	03/31/2021	400.00		2317 457 Plan
Motherlode Answering Service	22925	03/17/2021	236.00		5623 Contract Services
Pace Supply	22944	03/31/2021	439.16		5421 Materials & Supplies
Pacific Gas & Electric	22926	03/17/2021	586.79	5200/5432/5621	Utilities
Postmaster	22931	03/26/2021	700.00		5622 Postage
Public Employees Retirement System	EFT	03/15/2021	7,412.22		5645 Retirement
Public Employees Retirement System	EFT	03/16/2021	4,030.73		5645 Retirement
Public Employees Retirement System	EFT	03/30/2021	4,185.44		5645 Retirement
R.F. MacDonald Co.	22927	03/17/2021	583.50		5231 Pump Station Supplies
Razzari Auto Centers	22932	03/29/2021	39,889.63		1117 New Vehicle
Roberts, Mathew A.	22916	03/12/2021	200.00		5429 2021 Boot Allowance
Safety Center, Inc	22928	03/17/2021	1,200.00		5429 Training
SEIU Local 1021	22914	03/09/2021	304.74		2322 Union Dues
SEIU Local 1021	22929	03/17/2021	296.36		2322 Union Dues
SEIU Local 1021	22945	03/31/2021	295.87		2322 Union Dues
Signal Service	22946	03/31/2021	183.00		5623 Contract Services
Speer, Scott	22915	03/09/2021	75.00		5680 Director Compensation
USA Blue Book	22947	03/31/2021	570.67		5322 WTP Supplies
Verizon Wireless	22948	03/31/2021	326.00		5432 Utilities
Weber, Ghio & Associates	22949	03/31/2021	13,849.28		5684 Engineering
Wells Fargo Bank	22930	03/17/2021	2,117.13	5429/5620/5623	Training/Materials &Supplies/Contract Services
Wilbur-Ellis	22950	03/31/2021	789.31		5421 Materials & Supplies
			<u>172,655.13</u>		

Calaveras Public Utility District (2021)

Water Treated and Water Sold Comparison

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	TOTAL
Treated	20,104,042	18,224,337	19,757,415										58,085,794
Sold	13,113,421	15,811,924	12,110,835										41,036,180
% difference	-34.77%	-13.24%	-38.70%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-29.35%



CALAVERAS PUBLIC UTILITY DISTRICT

RESOLUTION 2021-5

RESOLUTION AUTHORIZING THE TRANSFER OF FUNDS FROM
LOCAL AGENCY INVESTMENT FUND (LAIF) FOR THE PURPOSE OF INVESTMENT

WHEREAS, The Local Agency Investment Fund is established in the State Treasury under Government Code section 16429.0 et. Seq. for the deposit of money of a local agency for purposes of investment by the State Treasurer; and

WHEREAS, Calaveras Public Utility District hereby finds that the deposit and withdrawal of money in the Local Agency Investment Fund in accordance with Government Code section 16429.1 et. Seq. for the purpose of investment as provided therein is in the best interests of Calaveras Public Utility District; and

NOW, THEREFORE, BE IT RESOLVED, that Calaveras Public Utility District hereby authorizes the deposit and withdrawal of Calaveras Public Utility district's monies in the Local Agency Investment Fund in the State Treasury in accordance with government code section 16429.1 et. seq. for the purpose of investment as provided therein.

BE IT FURTHER RESOLVED, as follows:

Section 1. The following Calaveras Public Utility District authorizes the persons holding the positions/title(s) specified hereinbelow or successors in each position to order the deposit or withdrawal of monies in the Local Agency Investment Fund and may execute and deliver any and all documents necessary or advisable in order to effectuate the purposes of this resolution and the transactions contemplated hereby:

1. General Manager
2. Interim General Manager
3. Administrative Account Assistant
4. Board President
5. Board Director

Section 2. This resolution shall remain in full force and effect until rescinded by Calaveras Public Utility District by resolution and a copy of the resolution rescinding this resolution is filed with the State Treasurer's Office.

Section 3. The above resolution hereby rescinds and replaces Resolution No. 2013-4.

On A Motion by Director _____, seconded by Director _____, the foregoing Resolution was duly passed and adopted by the

Board of Directors of the Calaveras Public Utility District of the County of Calaveras, State of California this 13th day of April 2021, by the following vote:

AYES: Directors:

NOES: Directors:

ABSTAIN: Directors:

ABSENT: Directors:

J.W. Dell'Orto, President Board of Directors

ATTEST:

Carissa Bear, Board Secretary

DRAFT

Monthly Maintenance Report

March 2021

LOCATION	DESCRIPTION OF WORK	STATUS
Jeff Davis WTP	Monthly operation and maintenance	Complete
	Annual filter Miantencance	Complete
	Routine water sampling and State reporting, WTP in compliance	Complete
	Upper Mokelumne Sanitary Survey	Pending
	Treated Water - 19,757,415 gallons	
Warehouse Shop		
South Fork Pump Station	Weekly routine checks	Complete
	Pump #2 Controller repairs	Pending
	Raw Pumped Water 68,751,009 Gallons	
Schaads Reservoir	Weekly checks	Complete
	Bug Kill tree Removal Marios	Complete
	Oil leak Hydrolic Pump	Complete
Glencoe Pump Station	Weekly checks - routine monitoring	Complete
Ponderosa PRV Hydro	Weekly checks - routine monitoring	Complete
MCV PRV Hydro	Weekly checks - routine monitoring	Complete
Garamendi's PRV Hydro	Weekly checks - routine monitoring	Complete
San Andreas Distribution	Routine operations, sampling	Complete
	Cemetery PRV Maintencance	Complete
	San Andreas Tank Controls (TSl)	Ongoing
	Fire Hydrant Repair	Complete
Moke Hill Distribution	Routine operations, sampling	Complete
	#1 Bock main line leak 4" Clamp	Complete
	#2 Bock main line leak 4" Clamp	Complete
	Meter locations and easements(Diamond maps)	Ongoing
	Fire Hydrant repair EasyBird	Complete
Glencoe Distribution	Routine operations	Complete
Paloma Distribution	Routine operations, sampling	Complete
Rail Road Flat Distribution	Routine operations, sampling	Complete
Safety/Training	Tailgate Safety talk	OnGoing
Spray Program	Spring pre-emergent	Ongoing
Vehicle Maintenance	2016 White Ford engine replacement	Pending
	Silver Toyota truck Maintenance	Complete
Other	63 USA tags completed	Complete
	Customer service/work orders 45	Complete
	Monthly meter reading	Complete
	1 Complaint- Pressure	Complete
	KASL Mapping and Network Development - Hydrant flushing	Complete
	1 New service inquiries- Poloma	Pending
	Revision of Operations Plan	Ongoing

Calaveras Public Utility District

**Water Capacity and
Connection Fees Study**

March 2, 2021

DRAFT

The following report was prepared by Hansford Economic Consulting LLC.

The analyses and findings contained within this report are based on primary data provided by the Calaveras Public Utility District, as well as additional secondary sources of data available as of the date of this report. Updates to information used in this report could change or invalidate the findings contained herein. While it is believed that the primary and secondary sources of information are accurate, this is not guaranteed.

Every reasonable effort has been made in order that the data contained in this study reflect the most accurate and timely information possible. No responsibility is assumed for inaccuracies in reporting by the client, its consultants and representatives, or any other data source used in the preparation of this study. No warranty or representation is made that any of the projected values or results contained in this study will actually be achieved.

Changes in economic and social conditions due to events including, but not limited to, major recessions, droughts, major environmental problems or disasters that would negatively affect operations, expenses and revenues may affect the result of the findings in this study. In addition, other factors not considered in the study may influence actual results.

TABLE OF CONTENTS

SECTION	PAGE
1. Introduction and Summary of Findings	1
1.1 Introduction	1
1.2 Authority to Charge Capacity and Connection Fees	1
1.3 Calculated Capacity and Connection Fees	2
2. Connection Fees	5
2.1 Meter Fee Calculation	5
2.2 Installation Fee Calculation	5
2.3 Total Calculated Connection Fee	5
3. Capacity Fees	7
3.1 Future Development and Growth Assumptions	7
3.2 Expansion Fee Costs	8
3.3 Buy-In Fee Costs	9
3.4 Capacity Fee Calculations	9
3.5 Regional Fees Comparison	12
4. Capacity and Connection Fees Adoption and Administration	14
4.1 Capacity and Connection Fees Adoption	14
4.2 Future Fee Adjustments and Updates	14
4.3 Mitigation Fee Act Compliance	14
4.4 Capacity Fee Credits and Reimbursements	15

LIST OF TABLES

TABLE		PAGE
1	Current New Development Water Fees	1
2	Proposed New Development Water Fees Schedule	3
3	Residential Comparison of Current and Proposed Fees	4
4	Non-Residential Comparison of Current and Proposed Fees	4
3	Calculated Connection Fees	6
6	Current Number of ERUs	7
7	Twenty-year Projection of ERUs	8
8	Determination of 20-Year CIP Costs	8
9	Capacity Fee Calculation per ERU	10
10	Determination of Meter Ratios for Capacity Fee	11
11	Calculated Capacity Fees	12
12	Comparison of Regional Capacity Fees	13

Section 1: INTRODUCTION AND SUMMARY OF FINDINGS

1.1 INTRODUCTION

The Calaveras Public Utility District (CPUD or District) provides water service to residents and businesses in the San Andreas, Mokelumne Hill and outlying areas of Calaveras County. The District currently serves a population of about 5,000, and provides service to new development as it occurs. The purpose of this report is to update the District’s schedule of new development water fees.

Currently, the District charges new development water fees comprising two components: (1) a connection fee, and (2) an installation charge. The fees are mostly based on actual costs incurred, as shown in **Table 1** below. The current new development fees were set by the Board of Directors (Board) in September 1989.

Table 1
Current New Development Water Fees

METER SIZE	CONNECTION FEE	INSTALLATION CHARGE [1]
1" or smaller	current meter cost + \$2,575	\$1,225
1.5" & 2"	current meter cost + \$5,150	cost + 15%
>2"	current meter cost + fee determined by Board	cost +15%

Source: CPUD Resolution 89-23.

curr

[1] Where any service line requires installation greater than 10 feet from the distribution line or across/under any road, the installation fee is actual cost plus 15%.

Given that the fees were set more than 30 years ago, and that the District has updated its Water Master Plan since that time, it is appropriate to revisit the current schedule of new development fees.

1.2 AUTHORITY TO CHARGE CAPACITY AND CONNECTION FEES

Under the authority of the Mitigation Fee Act (1987), contained in California Government Code Section 66000 et. seq., the District is authorized to collect water capacity and connection fees. When a municipality adopts or updates a capacity or connection fee, it must demonstrate that the fees shall not exceed the estimated reasonable cost of providing the service for which the fee is imposed. Maximum justifiable fees are calculated in this report pursuant to demonstration of the nexus between new development and the increase in demand for the infrastructure that is provided to serve the new development.

Specifically, the District may impose a connection fee pursuant to Government Code Section 66013 (b)(5) for the physical facilities necessary to make a water connection, including, but not limited to, meters, meter boxes, and pipelines from the structure or project to a water distribution line, that does not exceed the estimated reasonable cost of labor and materials for installation of those facilities.

The District may impose a capacity fee pursuant to Government Code Section 66013(b)(3) for public facilities in existence at the time a charge is imposed or charges for new public facilities to be acquired or constructed in the future that are of proportional benefit to the person or property being charged, including supply or capacity contracts for rights or entitlements, real property interest, and entitlements and other rights of the local agency involving capital expense relating to its use of existing or new public facilities.

The new development fees should be evaluated at least every five years; over time, inflationary adjustments to fees alone may be insufficient as development plans change, anticipated pace of development changes, and infrastructure solutions to water service provision (typically in Water Master Plans) are revised.

1.3 CALCULATED CAPACITY AND CONNECTION FEES

This report updates the District’s current water connection fee, and it calculates a proposed new water capacity fee. Both the connection and capacity fees include two subcomponents as presented in the table below.

Connection Fee	Capacity Fee
Meter Fee	Buy-In Fee
Installation Fee	Expansion Fee

For the capacity fee, two fee level options are presented for the Board’s consideration. The first fee level option calculates the fees based on the replacement cost of the District’s water system assets less accumulated depreciation. This option is most commonly used for water asset infrastructure because it accounts for the current costs to replace existing infrastructure.

The second option calculates the capacity fees based on the original cost of the assets. Under the original cost approach, the buy-in fee reflects the original investment in existing capacity, paying an amount similar to what the existing customers paid for the capacity (or the remaining value of the original investments). Assets that have in theory exceeded their useful life may still have a value associated with them that new development would pay for a portion of; however, the methodology does not take into account that replacement costs of the assets would be greater than when originally installed. A concern with this approach is that it is impractical because insufficient capital is raised to ensure maintenance of the assets.

Table 2 on the next page presents the calculated updated connection fees and the proposed new capacity fees. The fees would be charged according the meter size of the new service, with the

exception of Accessory Dwelling Units (ADUs). Pursuant to State law, ADUs must be charged development fees on a per building square foot basis.

Table 2
Proposed New Development Water Fees Schedule

New Development Fee [1]	Schedule of Fees			
	Meter Size			
Connection Fee [2]	<= 1"	1.5"	2"	> 2"
Meter	\$660	\$1,010	\$1,510	actual costs
Installation	\$2,180	\$2,265	\$2,300	actual costs
Total	\$2,840	\$3,275	\$3,810	actual costs
ADU Connection Fee [3], [4]	\$1.49	Per Livable Bldg. Sq. Ft. [5]		
Capacity Fee	Option 1	Option 2		
1" and Smaller	\$13,159	\$11,011		
1.5"	\$21,055	\$17,617		
2"	\$30,267	\$25,325		
3"	\$51,322	\$42,942		
4"	\$85,536	\$71,570		
6"	\$161,861	\$135,433		
8"	\$253,977	\$212,508		
ADU Capacity Fee [3]	\$6.93	\$5.80	Per Livable Bldg. Sq. Ft. [5]	

Source: HEC January 2021.

summ

[1] Both fees proposed under authority of California Government Code 66013.

[2] District may waive a portion (meter or installation fee) of the connection fee, circumstance depending. Additional at-cost fee will be charged for extraordinary circumstances such as a road crossing, pressure reducer installation, and so forth.

[3] Per California law (passage of AB-494 and SB-13), an Accessory Dwelling Unit (ADU) may be charged the capacity fee provided that it is greater than 749 building square feet. The fee may only be charged when a new water service is required for a detached ADU building. Note that creation of ADUs is permitted by California law on single-family and multi-family zoned property.

[4] Contrary to footnote [2], no portion of the fee is to be waived for an ADU.

[5] Excludes garage and covered outdoor areas.

It is recommended that the District update the fees annually by a predetermined index. The Engineering News Record San Francisco Construction Cost Index March to March change is recommended for an annual July 1 update. Periodic review of the capacity and connection fees is also recommended whenever estimated costs are revised pursuant to an update of the Water Master Plan, or whenever there are changes in the County's General Plan that would affect projected growth in the District's service territory.

A comparison of current and proposed fees under capacity fee option one is provided in **Table 3** for a new single-family home. Currently a new home installing a one-inch water meter would pay a connection fee of \$4,460. Under the proposed new fees, a new home would pay a connection fee of \$2,840 and a capacity fee of \$13,159. The total fees due would increase from \$4,460 to \$15,999.

Table 3
Residential Comparison of Current and Proposed Fees

Item	Connection Fee			Capacity Fee Option 1	TOTAL FEE
	Meter	Installation	Total		
<i>Assumption: New single family home with a 1" meter</i>					
Current [1]	\$3,235	\$1,225	\$4,460	\$0	\$4,460
Proposed [2]	\$660	\$2,180	\$2,840	\$13,159	\$15,999

Source: HEC January 2021.

1" sum

[1] Current cost of a 1" meter and appurtenances is \$660.

[2] Fees calculated using Option 1, RCNLD asset valuation methodology.

Table 4 compares the development fees due for a new commercial building with a two-inch water meter. Under the current fee schedule, the building applicant would pay a connection fee of \$8,960. Under the proposed fee schedule option one, the applicant would pay a connection fee of \$3,810 plus a capacity fee of \$30,267, for a total fee of \$34,077.

Table 4
Non-residential Comparison of Current and Proposed Fees

Item	Connection Fee			Capacity Fee Option 1	TOTAL FEE
	Meter	Installation	Total		
<i>Assumption: New commercial building with a 2" meter</i>					
Current [1]	\$6,660	\$2,300	\$8,960	\$0	\$8,960
Proposed [2]	\$1,510	\$2,300	\$3,810	\$30,267	\$34,077

Source: HEC January 2021.

non sum

[1] Current cost of a 2" meter and appurtenances is \$1,510.

[2] Fees calculated using Option 1, RCNLD asset valuation methodology.

Section 2: CONNECTION FEES

Under current California Government Code, connection fees are charges imposed by the District to pay for the reasonable cost of providing physical facilities necessary to make a water connection, including, but not limited to meters, meter boxes, and pipelines from the structure or project to a water distribution line that does not exceed the estimated cost of labor and materials for installation of those facilities¹.

The connection fee is made up of two fee components: (1) the meter fee, which covers the estimated costs of the meter and meter appurtenances, and (2) the installation fee, which covers the estimated costs of labor and equipment to install the facilities.

2.1 METER FEE CALCULATION

The meter fee reflects the most current costs of meters and appurtenances for meters one-inch (and smaller), 1.5-inch, and 2-inch in size. Meters larger than 2-inch should be charged the actual cost of the meter and appurtenances because the costs for these meters are more variable and less predictable. There are many options for type of larger meter size (jet, turbine, propeller and so forth) and different meter types may be necessary for different building types and building locations (including fire protection) needs.

2.2 INSTALLATION FEE CALCULATION

The installation fee is based on the estimated amount of staff time (labor cost) and equipment time (rental cost) needed to install the meter. The District has documented labor and equipment time needed for typical installations. **Table A-1** in Appendix A shows the assumptions used in the calculation to determine the installation cost for a one-inch meter. Labor costs are determined using fiscal year 2021 hourly labor rates plus benefits (see support **Tables A-2 and A-3** in Appendix A). The equipment costs are assumed to be the same for all meter sizes two-inch and smaller. The labor cost is assumed to increase for field personnel time for 1.5-inch and 2-inch meters.

As with the meter fee, the installation fee is only calculated for meter services that are two-inch or smaller. Costs are less predictable with larger meter sizes; therefore, it is recommended that the actual cost of installation be charged for new larger size meter services.

2.3 TOTAL CALCULATED CONNECTION FEE

The total calculated connection fees are shown in **Table 5** on the following page. As already described, the connection fees are calculated for new services with meters 2-inches and smaller. For new services requiring larger meters, the District will charge the actual cost of installation. Note, the District may charge greater fees than established in the fee schedule for meters 2-inches and

¹ Government Code Section 66013(b)(5).

smaller for extraordinary circumstances (such as a road crossing or a pressure reducer installation) under which greater than typical service installation costs occur.

When a separate service is required for an ADU, the District will charge \$1.49 per livable building square foot of the ADU. The calculation of the ADU fee is based on the connection fee of \$2,840 for a typical home divided by the typical livable building square feet of homes in the CPUD service territory. The typical size of a home in the CPUD service territory is 1,900 square feet; this size was determined by pulling local real estate data and holding discussions with District staff. **Table A-4** in Appendix A lists recently sold homes in the area built since 2010. The median home size is just under 1,900 building square feet.

**Table 5
Calculated Connection Fees**

Fee Component	Service Size			
	<= 1"	1.5"	2"	> 2"
Meter Fee				
Meter	\$250	\$550	\$1,000	actual
Meter Appurtenances	\$410	\$460	\$510	actual
Total Meter Fee (rounded)	\$660	\$1,010	\$1,510	actual costs
Installation Fee				
Labor	\$607	\$690	\$725	actual
Equipment	\$1,575	\$1,575	\$1,575	actual
Total Installation Fee (rounded)	\$2,180	\$2,265	\$2,300	actual costs
Total Connection Fee [1]	\$2,840	\$3,275	\$3,810	actual costs
ADU Connection Fee				
Est. ERU Livable Bldg. Sq. Ft.	1,900			
ADU Fee per Bldg. Sq. Ft. [2], [3]	\$1.49			

Source: CPUD and HEC, January 2021.

conn fee

[1] Additional at-cost fee will be charged for extraordinary circumstances such as a road crossing, pressure reducer installation, and so forth.

[2] Excludes garage and covered outdoor areas.

[3] Per California law (passage of AB-494 and SB-13), an Accessory Dwelling Unit (ADU) may be charged the capacity fee provided that it is greater than 749 building square feet. The fee may only be charged when a new water service is required for a detached ADU building. Note that creation of ADUs is permitted by California law on single-family and multi-family zoned property.

Section 3: CAPACITY FEES

Capacity fees are charged to pay for current and future District facilities that new water customers will use. Capacity fees pay for major infrastructure such as water supply and development, treatment and distribution facilities. Currently, the District does not charge water capacity fees. The capacity fees are comprised of two components: (1) a buy-in fee to pay for the portion of capacity in existing facilities that the new customer will use, and (2) an expansion fee to pay for estimated costs of infrastructure upgrades that expand capacity to the benefit of new users.

3.1 FUTURE DEVELOPMENT AND GROWTH ASSUMPTIONS

The first step in determining capacity fees is establishing the current number of water customers, expressed in equivalent residential units (ERUs). Using the current number of customers by meter size and applying AWWA-standard meter ratios, the current number of ERUs is 2,185 (see **Table 6** below).

Table 6
Current Number of ERUs

Meters	Number of Meters	Flow Rate (gpm)	Meter Ratios	Number of ERUs
1" and Smaller	1,966	50	1.0	1,966
1.5"	14	100	2.0	28
2"	31	160	3.2	99
3"	0	300	6.0	0
4"	6	500	10.0	60
6"	0	1,000	20.0	0
8"	1	1,600	32.0	32
TOTAL	2,018			2,185

Source: AWWA M1 meter flow rates and CPUD number of meters. erus

Based on historical growth patterns in the CPUD service territory, it is estimated that 2.5 ERUs will be added to the customer base each year. Over the next twenty years, which is the time span of the District's Water Master Plan, it is estimated that the District will serve an additional 50 ERUs, as shown in **Table 7** on the next page. With this level of growth, the new ERUs represent 2% of all ERUS by 2040.

Table 7
Twenty-year Projection of ERUs

Fiscal Year Ending	# ERUs	Share of ERUs by 2040
2020	2,185	98%
2040	2,235	
Increase	50	2%

Source: CPUD and HEC 2021. proj

3.2 EXPANSION FEE COSTS

The cost that is the basis for the expansion fee is determined by multiplying the 20-year estimated Capital Improvement Projects (CIP) costs by new development’s share of ERUs in 2040. The estimated CIP costs are based on the 2012 Water Master Plan and 2019 Water Rate Study estimated costs inflated to current dollars. The total 20-year CIP cost estimate is \$12.00 million in today’s dollars, as summarized in **Table 8** below. New development’s share of the estimated cost is \$268,000.

Table 8
Determination of 20-Year CIP Costs

Capital Improvements	Est. Cost in 2021 \$	2019 Rate Study		2012 Master Plan	
		Est. in 2021 \$	Original Est.	Est. in 2021 \$	Original Est.
	rounded				
Water Supply		\$0	\$0	\$124,710	\$100,000
Treatment Plant Improvements		\$882,330	\$855,050	\$1,864,421	\$1,495,000
Raw Water Improvements		\$0	\$0	\$2,438,089	\$1,955,000
Pipeline/Schaads Hydros		\$371,486	\$360,000	\$685,907	\$550,000
Transmission and Distribution		\$629,462	\$610,000	\$779,440	\$625,000
Line Replacement / Other		\$1,068,022	\$1,035,000	\$4,676,641	\$3,750,000
General and Administration		\$198,126	\$192,000	\$0	\$0
Total		\$3,149,425	\$3,052,050	\$10,569,208	\$8,475,000
Study Timeframe (years)		5		20	
Estimated Cost per Year	\$600,000	\$629,885		\$528,460	
20-Year CIP Expenditure Estimate	\$12,000,000				
Existing Users Share	\$11,732,000	98%			
New Users Share	\$268,000	2%			

Source: 2008 and 2012 Master Plan documents, and the 2019 Rate Study.

mp costs

3.3 BUY-IN FEE COSTS

Because almost all of the CIP costs are for infrastructure that serves existing users, the majority of the capacity fee is to buy-in to existing water facilities. The cost included in the buy-in fee calculation depends on the methodology that is used to determine the value of the District's current water assets. This report provides two methodologies, a replacement cost less depreciation (RCNLD) methodology, and an original cost methodology. Both methodologies are described in the American Water Works Association M1 Manual, and both are considered to be valid for calculating capacity fees.

Table A-5 in Appendix A provides a list of the CPUD water assets, their original cost, and estimated replacement cost analysis. The first fee level option using the RCNLD methodology calculates the fees based on the estimated current replacement cost of the District's water system assets less accumulated depreciation. This option is most commonly used for water asset infrastructure because it accounts for the current costs to replace existing infrastructure.

The second option calculates the capacity fees based on the original cost of the assets. Under this option, assets that have in theory exceeded their useful life may still have a value associated with them that new development would pay for a portion of; however, it does not take into account that replacement costs of the assets would be greater than when originally installed. Under the original cost approach, the buy-in fee reflects the original investment in existing capacity, paying an amount similar to what the existing customers paid for the capacity (or the remaining value of the original investments). A concern with this approach is that it is impractical because insufficient capital is raised to ensure maintenance of the asset.

Under both options, the cost of any assets funded with grants is removed, and the cost of land (which is not depreciable) is added. In addition, the cost of replacing or rehabilitating and upgrading existing assets that is included in the CIP is excluded at the estimated current cost (option 1) or original cost (option 2). Total cost included in the buy-in fee is \$16.58 million under option 1, and \$11.91 million under option 2.

3.4 CAPACITY FEE CALCULATIONS

The total buy-in costs are divided by the number of estimated ERUs in 2040 to determine the maximum buy-in fee per ERU. The expansion fee costs are only borne by the estimated number of new ERUs by 2040. The two fee components are added to determine the total capacity fee per ERU. An administrative fee of three-percent is added for collection and handling of the fees, public hearing costs², and periodic updates of the fee program.

Under fee level option 1 with the RCNLD methodology, the total capacity fee per ERU is \$13,159. Under fee level option 2 with the original cost methodology, the total capacity fee per ERU is \$11,011. The fee calculations are shown in **Table 9** on the next page.

² Government Code 66016 (c).

Table 9
Capacity Fee Calculation per ERU

Item	Option 1 (RCNLD)	Option 2 (Original Cost)
Buy-In Fee		
Buy-In of Depreciated Assets	\$20,798,111	\$14,898,733
less grant-funded projects	(\$11,129)	(\$12,439)
Plus Land	\$150,436	\$150,436
less replacement of assets included in the CIP	(\$4,360,800)	(\$3,122,923)
Net Buy-In Facilities Cost	\$16,576,618	\$11,913,806
Total ERUs by 2040	2,235	2,235
Buy-In Fee per ERU	\$7,416	\$5,330
Expansion Fee		
New Users Share of Projected 20-Year CIP Costs	\$268,000	\$268,000
New ERUs by 2040	50	50
Expansion Fee per ERU	\$5,360	\$5,360
Total Fee per ERU	\$12,776	\$10,690
Administrative Fee @ 3%	\$383	\$321
Total Water Capacity Fee per ERU	\$13,159	\$11,011

Source: CPUD supporting data and HEC Jan 2021.

exp costs

The fee per ERU is the fee for a one-inch meter because almost all new residential homes will be required to install a one-inch meter. The fees for all other meter sizes are based on a) maximum flow rates by meter size, and b) estimated installation costs³.

Maximum flow rates are used because a significant portion of a water system's design (supply, treatment and transmission) is related to meeting capacity needs. The ratio at which the meter charge increases is a function of the meter's safe operating capacity as established by the American Water Works Association. For example, a one-inch meter has a maximum flow rate of 50 gallons per minute (gpm) and a two-inch meter has a maximum flow rate of 100 gpm. The flow rate of a two-inch meter is twice that of a one-inch meter therefore the ratio for a two-inch meter is 2.0. Meter ratios based on safe operating capacity were previously shown in **Table 6**.

Installation costs are also used because they more closely reflect the new customer's demand on the water system's distribution facilities, and because for larger meters, the meter capacity may not be a reasonable indicator for the actual demand of the customer. The installation cost meter ratios are shown in **Appendix A Table A-6**. Service installation costs, which are an input to the installation costs, are estimated in **Table A-7**.

³ Regionally, the Tuolumne Utilities District also uses this methodology for capacity fee calculations.

The meter ratios used to calculate the capacity fee by meter size are an average of the installation cost and meter capacity ratios, shown in **Table 10** below.

Table 10
Determination of Meter Ratios for Capacity Fee

Meter Size	Installation Cost	Meter Capacity	Average
1" and Smaller	1.0	1.0	1.0
1.5"	1.2	2.0	1.6
2"	1.3	3.2	2.3
3"	1.9	6.0	3.9
4"	2.9	10.0	6.5
6"	4.6	20.0	12.3
8"	6.8	32.0	19.4

Source: CPUD and HEC January February 2021. ratios

The calculated capacity fees under each fee level option are shown in **Table 11** on the next page.

Table 11
Calculated Capacity Fees

Item	Option 1 (RCNLD)	Option 2 (Original Cost)
Fee per ERU		
Buy-In Fee	\$7,416	\$5,330
Expansion Fee	\$5,360	\$5,360
Administrative Fee 3%	\$383	\$321
Total Capacity Fee per ERU	\$13,159	\$11,011
Est. ERU Livable Bldg. Sq. Ft.	1,900	1,900
ADU Fee per Bldg. Sq. Ft. [1], [2]	\$6.93	\$5.80
Meter Size		
1" and Smaller	\$13,159	\$11,011
1.5"	\$21,055	\$17,617
2"	\$30,267	\$25,325
3"	\$51,322	\$42,942
4"	\$85,536	\$71,570
6"	\$161,861	\$135,433
8"	\$253,977	\$212,508

Source: HEC January 2021.

cap calc

[1] Excludes garage and covered outdoor areas.

[2] Per California law (passage of AB-494 and SB-13), an Accessory Dwelling Unit (ADU) may be charged the capacity fee provided that it is greater than 749 building square feet. The fee may only be charged when a new water service is required for a detached ADU building. Note that creation of ADUs is permitted by California law on single-family and multi-family zoned property.

3.5 REGIONAL FEES COMPARISON

It is common for municipal water providers to charge capacity fees (sometimes also called “participation fees”) to equalize the cost of infrastructure between current and future system users. Other regional municipal water providers charge capacity fees, as shown in **Table 12** on the next page. The proposed capacity fee for a new ERU is less than that charged by the Calaveras County Water District and the Amador Water Agency which serve the communities surrounding the CPUD service territory.

Table 12
Comparison of Regional Capacity Fees

Water Provider	Connection Fees [1]		Capacity Fees	
	5/8"	1"	5/8"	1"
Calaveras PUD (Proposed)	\$2,840	\$2,840	\$13,159	\$13,159
Linden CWD	actual cost	actual cost	\$8,445	\$8,445
Tuolumne Utilities District [1]	\$564	\$689	\$5,477	\$5,477
Amador Water Agency [2]	\$585	\$720	\$10,660	\$26,655
Groveland CSD	\$290	\$365	\$1,827	\$3,106
City of Jackson	not published	not published	\$2,101	\$2,101
Calaveras County Water District				
- West Point	\$705	not published	\$12,561	\$31,403
- Copper Cove	\$705	not published	\$12,302	\$30,755
- Ebbett's Pass	\$705	not published	\$8,050	\$20,125
- Jenny Lind	\$705	not published	\$12,164	\$30,410
- Wallace	\$705	not published	\$9,000	\$22,500

Source: Website information or telephone call.

comps

[1] Meter fee only shown. The installation fee is actual time and materials cost.

[2] Meter fee only shown. The installation fee is actual time and materials cost, with an initial deposit of \$5,000 required.

Section 4: CAPACITY AND CONNECTION FEES ADOPTION AND ADMINISTRATION

4.1 CAPACITY AND CONNECTION FEES ADOPTION

Pursuant to California Government Code 66016, prior to increasing an existing fee or adopting a new fee, an agency must hold at least one open and public meeting. Notice of the time and place of the meeting, including a general explanation of the matter to be considered, and a statement that all supporting studies and information are available to the public, shall be noticed at least 10 days prior to the meeting. Increases to an existing fee or adoption of a new fee may be made by ordinance or resolution.

4.2 FUTURE FEE ADJUSTMENTS AND UPDATES

It is recommended that the District update the Capacity and Connection Fees annually by a predetermined index. The Engineering News Record San Francisco Construction Cost Index March to March change is recommended for an annual July 1 update. Periodic review of the Capacity and Connection Fees is also recommended whenever estimated costs are revised pursuant to an update of the District's Water Master Plan, or whenever there are changes in the County's General Plan that would affect projected growth in the District's service territory.

4.3 MITIGATION FEE ACT COMPLIANCE

For the capacity fees only, the District must deposit fee revenues in a separate capital facilities fund to avoid any comingling with other monies of the District. Any interest income earned must also be deposited into the Water Capacity Fee Fund. In addition, the District must comply with annual and five-year reporting requirements for the Water Capacity Fees Fund.

Within 180 days of the end of a fiscal year, the following is to be furnished for the prior fiscal year:

1. A description of the charges deposited in the fund,
2. The beginning and ending balance of the fund,
3. The amount of the fees collected and interest earned,
4. An identification of each public improvement for which fees were expended and the amount of expenditure for each improvement, including the percentage of the total cost of the improvement that was funded with capacity fees if more than one source of funding was used,
5. An identification of each public improvement on which charges were expended that were completed during the fiscal year, and each improvement anticipated to be undertaken in the following fiscal year, and
6. A description of any interfund transfer or loan made from the Water Capacity Fee Fund, identification of any public improvements on which any transferred monies are, or will be, expended, and a description of repayment terms.

All of the above information may be included in the District's annual financial report.

4.4 CAPACITY FEE CREDITS AND REIMBURSEMENTS

The District may provide fee credits and reimbursements to developers who dedicate land or construct facilities included in the expansion fee portion of the capacity fee with private financing. The credit / reimbursement may only be up to the cost of the improvement, as included in the expansion fee program, or the actual cost paid by the developer, whichever is lower. No credit or reimbursement will be allowed for costs incurred that are higher than estimated in the fee program, and the administrative portion of the fee is excluded from fee credits / reimbursements.

Credits. Once fee credits have been determined, they will be used at the time the respective fees would be due. The use of accumulated fee revenues shall first be used for District-determined priority capital improvement projects, and secondly for repayment of accrued reimbursement to private developers.

Reimbursements. Reimbursements would be due to developers who advance-fund water facilities in excess of their fair share of the facility costs. Developers must enter into a reimbursement agreement with the District to receive reimbursements. Fee credits would be provided up to the fair share cost for the developer, then reimbursements would be due to the developer once revenue collections have been made from other developers. Reimbursement priority is a "first in, first out" system. As money becomes available, the first in would receive reimbursement first. Developers may have to wait some time before their reimbursement is paid in full. Reimbursements are only an obligation of the Water Capacity Fee Fund, not any other District fund.

Fee credits/reimbursements will be adjusted annually by the inflation factor used to adjust the fee.

APPENDIX A

WATER CAPACITY AND CONNECTION FEE STUDY

SUPPORT TABLES

Table A-1
Calaveras Public Utility District Connection Fees Update
Installation Fee Calculations for a One-Inch Meter **DRAFT**

Item	Cost per Hour	Time (Hours)	Total Cost
Labor			
Administrative	\$36.96	2.00	\$73.92
General Manager	\$102.38	1.00	\$102.38
Field Personnel	\$31.97	11.00	\$351.67
Total Labor			\$527.97
Overhead Cost Allocation			15%
Total Labor Fee			\$607.17
Equipment			
	per day		
District Truck	\$75.00	5.00	\$375.00
Dump Truck	\$150.00	4.00	\$600.00
Backhoe	\$150.00	4.00	\$600.00
Total Equipment			\$1,575.00
Total Installation Fee			\$2,182.17

Source: CPUD and HEC January 2021.

install fee

Table A-2
Calaveras Public Utility District Connection Fees Update
Fiscal Year 2021 Labor Hourly Rates

DRAFT

Name	Position	Hourly Rate	Benefits Ratio	Full Hourly Rate
Cunningham, John	Water Utility Worker	\$31.97	1.88	\$60.26
Dresser, Michael	Water Utility Worker	\$26.30	1.88	\$49.57
Moe, James	Water Utility Worker	\$32.36	1.88	\$60.99
Roberts, Mathew	Water System Superintendent	\$42.82	1.88	\$80.71
Bear, Carissa	Administrative Account Assistant	\$19.61	1.88	\$36.96
Rovera, Wyatt	Water Treatment Plant Operator	\$31.97	1.88	\$60.26
Leatherman, Donna	General Manager	\$54.32	1.88	\$102.38

Table A-3 includes benefits

Source: CPUD data.

staff

Table A-3
Calaveras Public Utility District Connection Fees Update
Fiscal Year 2021 Budget **DRAFT**

Expenses	FY 2021 Employee Budget
Salaries and Wages	\$312,500
Benefits	
SS FICA	\$45,000
Unemployment	\$2,500
Medical Insurance	\$241,500
PERS	\$200,000
OPEB	\$100,000
Total Benefits	\$589,000
TOTAL	\$901,500
Ratio Benefits to Salaries & Wages	1.88

Source: CPUD Resolution 2020-12, FY21 Budget. emp budg

Table A-4
Calaveras Public Utility District Connection Fees Update
Recently Sold Homes Built Since 2010 **DRAFT**

Area	Bldg. Sq. Ft.
Mokelumne Hill	1,200
Mokelumne Hill	4,704
Mokelumne Hill	1,205
Mokelumne Hill	1,674
Mokelumne Hill	1,200
Mokelumne Hill	1,330
Mokelumne Hill	2,059
Mokelumne Hill	2,264
Mountain Ranch	1,296
Mountain Ranch	1,396
Pine Grove	2,370
Jackson	1,897
Jackson	1,998
Jackson	2,248
Jackson	4,125
San Andreas	1,680
San Andreas	2,786
Median Home Size	1,897

Source: Zillow and Trulia searches, Jan. 7, 2021.

sf built

Table A-5
 Calaveras Public Utility District Connection Fees Update
 CPUD Water Assets and Current Values

DRAFT

Asset Description	Date Acquired	Base Year	Years of Life	Years Deprec.	Remaining Years	ORIGINAL COST		REPLACEMENT COST				
						Original Cost	Replacement Factor	Replacement Cost Est.	Annual Depr.	Accum. Deprec.	Remaining Value	
						2021						
						e	f	$g = e * f$	$h = g / b$	$i = h * c$	$j = g - i$	
BUILDING AND IMPROVEMENT												
506 w. Charles Office	06/30/05	2005	30	16	14	\$297,320	1.82	\$539,985	\$18,000	\$287,992	\$251,993	
New a/c for office	06/30/06	2006	10	15	0	\$13,564	1.75	\$23,733	\$2,373	\$23,733	\$0	
Office Roof Replacement	06/30/18	2018	30	3	27	\$10,250	1.12	\$11,463	\$382	\$1,146	\$10,317	
TOTAL BUILDING AND IMPROVEMENT						\$321,134		\$575,181	\$20,755	\$312,871	\$262,310	
PUMPING PLANT												
Dam	06/30/74	1974	99	47	52	\$1,286,710	5.77	\$7,426,022	\$75,010	\$3,525,485	\$3,900,537	
Pump Station controls	04/30/04	2004	30	17	13	\$13,775	1.89	\$25,968	\$866	\$14,715	\$11,253	
Rebuild So. Fork Pump Station Controls	02/29/12	2012	10	9	1	\$5,165	1.40	\$7,225	\$722	\$6,502	\$722	
Rebuild So. Fork 400 HP GE Solid Shaft Motor	05/31/12	2012	10	9	1	\$7,271	1.40	\$10,171	\$1,017	\$9,154	\$1,017	
South Fork Pump Station	06/30/20	2020	40	1	39	\$167,810	1.04	\$174,186	\$4,355	\$4,355	\$169,832	
TOTAL PUMPING PLANT						\$1,480,730		\$7,643,573	\$81,970	\$3,560,212	\$4,083,361	
HYDRO PLANT												
Hydro #1	12/31/94	1994	25	27	0	\$16,667	2.74	\$45,623	\$1,825	\$45,623	\$0	
Hydro #2	12/31/94	1994	25	27	0	\$16,667	2.74	\$45,623	\$1,825	\$45,623	\$0	
Hydro #3	12/31/94	1994	25	27	0	\$16,666	2.74	\$45,620	\$1,825	\$45,620	\$0	
80 KW Cummins & GE Zenith Backup Generator (Glencoe)	11/30/11	2011	10	10	0	\$38,616	1.45	\$56,071	\$5,607	\$56,071	\$0	
Pipeline Hydros - Cla Val	06/30/15	2015	10	6	4	\$12,155	1.25	\$15,204	\$1,520	\$9,122	\$6,081	
Schaads Dam Access Road	06/30/19	2019	30	2	28	\$52,746	1.08	\$56,831	\$1,894	\$3,789	\$53,042	
Schaads Underground Irrigation Line	06/30/19	2019	30	2	28	\$52,500	1.08	\$56,566	\$1,886	\$3,771	\$52,795	
Schaads	06/30/20	2020	30	1	29	\$47,139	1.04	\$48,931	\$1,631	\$1,631	\$47,300	
Ponderosa Hydro	06/30/20	2020	30	1	29	\$17,373	1.04	\$18,033	\$601	\$601	\$17,432	
TOTAL HYDRO PLANT						\$270,529		\$388,502	\$18,614	\$211,852	\$176,650	
TREATMENT PLANT & TANKS												
Diversion Dam	06/30/74	1974	99	47	52	\$38,505	5.77	\$222,225	\$2,245	\$105,501	\$116,724	
Pumping Plant	06/30/74	1974	40	47	0	\$166,854	5.77	\$962,969	\$24,074	\$962,969	\$0	
Treatment Plant	06/30/74	1974	40	47	0	\$500,564	5.77	\$2,888,919	\$72,223	\$2,888,919	\$0	
Clearwell Tank	06/30/74	1974	60	47	13	\$102,680	5.77	\$592,600	\$9,877	\$464,203	\$128,397	
Mokelumne Hill Reservoir	06/30/74	1974	99	47	52	\$166,855	5.77	\$962,975	\$9,727	\$457,170	\$505,805	
San Andreas Reservoir	06/30/74	1974	99	47	52	\$302,833	5.77	\$1,747,748	\$17,654	\$829,739	\$918,009	
Pump Station Road	06/30/74	1974	33	47	0	\$5,839	5.77	\$33,699	\$1,021	\$33,699	\$0	
Mokelumne Hill Road	06/30/74	1974	33	47	0	\$5,399	5.77	\$31,159	\$944	\$31,159	\$0	
Pump Station B Road	06/30/74	1974	33	47	0	\$5,402	5.77	\$31,177	\$945	\$31,177	\$0	
Other	06/30/93	1993	33	28	5	\$98,115	2.84	\$278,780	\$8,448	\$236,540	\$42,239	
Electric Panel with new switch	06/30/00	2000	10	21	0	\$10,115	2.19	\$22,136	\$2,214	\$22,136	\$0	
Railroad flat water line extension	06/30/02	2002	99	19	80	\$1,559,469	2.03	\$3,167,572	\$31,996	\$607,918	\$2,559,654	
Treatment plant filters	06/30/05	2005	40	16	24	\$286,507	1.82	\$520,346	\$13,009	\$208,138	\$312,208	
Treatment plant pump	06/30/05	2005	40	16	24	\$46,254	1.82	\$84,004	\$2,100	\$33,602	\$50,403	
Backwash Pond Renewal	06/30/14	2014	20	7	13	\$168,213	1.30	\$218,395	\$10,920	\$76,438	\$141,957	
Treatment Plant Valve Project	06/30/14	2014	20	7	13	\$69,302	1.30	\$89,976	\$4,499	\$31,492	\$58,485	
Treatment Plant Improvements	06/30/15	2015	20	6	14	\$157,435	1.25	\$196,919	\$9,846	\$59,076	\$137,843	
Filter Media Replacement	06/30/16	2016	10	5	5	\$274,605	1.20	\$330,899	\$33,090	\$165,450	\$165,450	
Energy Efficient Lighting Upgrade	06/30/16	2016	40	5	35	\$24,574	1.20	\$29,612	\$740	\$3,701	\$25,910	
Water Treatment Plant Backwash Valve	06/30/17	2017	10	4	6	\$5,985	1.16	\$6,948	\$695	\$2,779	\$4,169	
Filter Cla-Val Replacement	06/30/18	2018	5	3	2	\$13,813	1.12	\$15,448	\$3,090	\$9,269	\$6,179	
Treatment Plant HVAC/Lighting Upgrade	06/30/18	2018	15	3	12	\$12,439	1.12	\$13,912	\$927	\$2,782	\$11,129	
Reservoir Diversion Ditch Improvement	06/30/18	2018	3	3	0	\$31,040	1.12	\$34,715	\$11,572	\$34,715	\$0	
Water Treatment Plant On-Site Chlorine Generator	06/30/18	2018	20	3	17	\$292,154	1.12	\$326,741	\$16,337	\$49,011	\$277,730	
Treatment Plant Salt Storage	06/30/19	2019	30	2	28	\$75,806	1.08	\$81,677	\$2,723	\$5,445	\$76,232	
Treatment Plant Compressor	06/30/20	2020	20	1	19	\$7,503	1.04	\$7,789	\$389	\$389	\$7,399	
TOTAL TREATMENT PLANTS AND TANKS						\$4,428,261		\$12,899,337	\$291,303	\$7,353,417	\$5,545,920	

Table A-5
 Calaveras Public Utility District Connection Fees Update
 CPUD Water Assets and Current Values

DRAFT

Asset Description	Date Acquired	Base Year	Years of Life	Years Deprec.	Remaining Years	ORIGINAL COST		REPLACEMENT COST				
						Original Cost	Replacement Factor	Replacement Cost Est.	Annual Depr.	Accum. Deprec.	Remaining Value	
						2021						
						e	f	$g = e * f$	$h = g / b$	$i = h * c$	$j = g - i$	
GENERAL PLANT												
Warehouse Construction	06/30/70	1970	40	51	0	\$5,573	6.70	\$37,338	\$933	\$37,338	\$0	
Dump Truck	06/30/05	2005	15	16	0	\$72,627	1.82	\$131,903	\$8,794	\$131,903	\$0	
TOTAL GENERAL PLANT						\$78,200		\$169,241	\$9,727	\$169,241	\$0	
TRANSMISSION & DISTRIBUTION												
Mokelumne River System	06/30/39	1939	40	82	0	\$20,000	21.29	\$425,807	\$10,645	\$425,807	\$0	
Construction Cost	06/30/40	1940	40	81	0	\$257,215	20.51	\$5,275,722	\$131,893	\$5,275,722	\$0	
Extension Lines	06/30/47	1947	40	74	0	\$5,127	15.80	\$80,997	\$2,025	\$80,997	\$0	
Extension Lines	06/30/48	1948	40	73	0	\$8,683	15.22	\$132,153	\$3,304	\$132,153	\$0	
Extension Lines	06/30/49	1949	40	72	0	\$8,091	14.66	\$118,635	\$2,966	\$118,635	\$0	
San Andreas Line	06/30/52	1952	40	69	0	\$104,025	13.11	\$1,363,814	\$34,095	\$1,363,814	\$0	
Line to cement plant	06/30/53	1953	40	68	0	\$9,317	12.63	\$117,678	\$2,942	\$117,678	\$0	
McCarty Dam Spillway	06/30/54	1954	25	67	0	\$25,689	12.17	\$312,586	\$12,503	\$312,586	\$0	
Highway Realignment	06/30/55	1955	40	66	0	\$16,768	11.72	\$196,565	\$4,914	\$196,565	\$0	
Mainline Extension	06/30/64	1964	40	57	0	\$6,164	8.38	\$51,655	\$1,291	\$51,655	\$0	
Mainline Extension Reimbursement	06/30/68	1968	40	53	0	\$51,073	7.22	\$368,681	\$9,217	\$368,681	\$0	
Mainline Extension Garamendi	06/30/72	1972	40	49	0	\$7,439	6.22	\$46,258	\$1,156	\$46,258	\$0	
Water Lines	06/30/74	1974	75	47	28	\$2,725,934	5.77	\$15,732,254	\$209,763	\$9,858,879	\$5,873,375	
Water Line - Construction	06/30/76	1976	75	45	30	\$9,789	5.36	\$52,435	\$699	\$31,461	\$20,974	
Paloma Water Project	06/30/78	1978	75	43	32	\$537,378	4.97	\$2,671,567	\$35,621	\$1,531,698	\$1,139,869	
Replace Line Material	06/29/83	1983	40	38	2	\$5,290	4.13	\$21,825	\$546	\$20,734	\$1,091	
Water Meters	03/01/87	1987	30	34	0	\$5,500	3.55	\$19,547	\$652	\$19,547	\$0	
Additions	07/01/89	1989	40	32	8	\$5,465	3.30	\$18,026	\$451	\$14,421	\$3,605	
Additions	07/01/90	1990	40	31	9	\$105,339	3.18	\$334,740	\$8,369	\$259,424	\$75,317	
Additions	07/01/90	1990	40	31	9	\$24,403	3.18	\$77,546	\$1,939	\$60,098	\$17,448	
Additions	07/01/90	1990	40	31	9	\$851,588	3.18	\$2,706,123	\$67,653	\$2,097,245	\$608,878	
Additions	07/01/91	1991	40	30	10	\$40,829	3.06	\$124,994	\$3,125	\$93,746	\$31,249	
Additions	07/01/92	1992	40	29	11	\$138,537	2.95	\$408,591	\$10,215	\$296,229	\$112,363	
Additions	06/30/94	1994	40	27	13	\$49,630	2.74	\$135,854	\$3,396	\$91,702	\$44,153	
Handheld Units, 3	07/31/94	1994	10	27	0	\$5,980	2.74	\$16,369	\$1,637	\$16,369	\$0	
Backhoe	10/31/94	1994	30	27	3	\$57,862	2.74	\$158,388	\$5,280	\$142,549	\$15,839	
Extension Lines	12/31/94	1994	40	27	13	\$6,493	2.74	\$17,774	\$444	\$11,997	\$5,776	
Line Replace Various	01/31/95	1995	10	26	0	\$10,000	2.64	\$26,371	\$2,637	\$26,371	\$0	
Extension Lines	06/30/95	1995	10	26	0	\$15,978	2.64	\$42,136	\$4,214	\$42,136	\$0	
MTR 5/8-3/4 SR DR 10G - Sensus Tech	06/30/96	1996	40	25	15	\$7,398	2.54	\$18,795	\$470	\$11,747	\$7,048	
Misc-Camellia, US Pipe, Super Plumbing	06/30/96	1996	10	25	0	\$7,225	2.54	\$18,356	\$1,836	\$18,356	\$0	
12-C-900 CL 150 Pipe - Westburne Supply	06/30/96	1996	40	25	15	\$21,983	2.54	\$55,850	\$1,396	\$34,906	\$20,944	
Lines Replacement, Various	06/30/97	1997	10	24	0	\$74,300	2.45	\$181,855	\$18,186	\$181,855	\$0	
Hydroelectric Project	06/30/98	1998	40	23	17	\$57,629	2.36	\$135,889	\$3,397	\$78,136	\$57,753	
Line Replacement Supplies	06/30/98	1998	30	23	7	\$28,845	2.36	\$68,015	\$2,267	\$52,145	\$15,870	
Pipe	06/30/98	1998	30	23	7	\$6,492	2.36	\$15,308	\$510	\$11,736	\$3,572	
Pipelines	06/30/99	1999	10	22	0	\$13,065	2.27	\$29,679	\$2,968	\$29,679	\$0	
Pickup, Toyota Tacoma 2000	06/30/00	2000	10	21	0	\$22,618	2.19	\$49,499	\$4,950	\$49,499	\$0	
Lewis Avenue	06/30/00	2000	30	21	9	\$52,792	2.19	\$115,535	\$3,851	\$80,875	\$34,661	
Air Compressor	06/30/00	2000	10	21	0	\$11,895	2.19	\$26,031	\$2,603	\$26,031	\$0	
Misc. Pipeline MTGS	06/30/00	2000	10	21	0	\$1,877	2.19	\$4,107	\$411	\$4,107	\$0	
Welder, Rock Splitter	06/30/00	2000	10	21	0	\$8,365	2.19	\$18,307	\$1,831	\$18,307	\$0	
Gold Strike Road Replacement	06/30/01	2001	40	20	20	\$17,256	2.11	\$36,382	\$910	\$18,191	\$18,191	
County Bond reimbursement	09/30/01	2001	40	20	20	(\$10,000)	2.11	(\$21,084)	(\$527)	(\$10,542)	(\$10,542)	

Table A-5
 Calaveras Public Utility District Connection Fees Update
 CPUD Water Assets and Current Values

DRAFT

Asset Description	Date Acquired	Base Year	Years of Life	2021			ORIGINAL COST	REPLACEMENT COST				
				Years Deprec.	Remaining Years		Original Cost	Replacement Factor	Replacement Cost Est.	Annual Depr.	Accum. Deprec.	Remaining Value
				$c = 2021 - b$	$d = b - c$		e	f	$g = e * f$	$h = g / b$	$i = h * c$	$j = g - i$
Valves	06/30/01	2001	10	20	0		\$6,595	2.11	\$13,905	\$1,390	\$13,905	\$0
Pipeline from CCWD	06/30/01	2001	40	20	20		\$23,310	2.11	\$49,146	\$1,229	\$24,573	\$24,573
Pipelines	06/30/01	2001	40	20	20		\$25,337	2.11	\$53,420	\$1,335	\$26,710	\$26,710
Pickup truck F3504x4	02/28/02	2002	5	19	0		\$30,763	2.03	\$62,486	\$12,497	\$62,486	\$0
Meters	06/30/02	2002	10	19	0		\$6,618	2.03	\$13,442	\$1,344	\$13,442	\$0
Whittle pump controls	06/30/03	2003	30	18	12		\$14,820	1.96	\$29,000	\$967	\$17,400	\$11,600
Winebrenner line extension	06/30/04	2004	30	17	13		\$5,708	1.89	\$10,761	\$359	\$6,098	\$4,663
Fence materials	06/30/04	2004	30	17	13		\$28,068	1.89	\$52,913	\$1,764	\$29,984	\$22,929
GSH Water system (dev cont)	06/30/05	2005	30	16	14		\$91,085	1.82	\$165,426	\$5,514	\$88,227	\$77,199
Simpson road extension	06/30/06	2006	30	15	15		\$32,360	1.75	\$56,620	\$1,887	\$28,310	\$28,310
Toyota Tacoma	06/30/07	2007	5	14	0		\$28,058	1.69	\$47,295	\$9,459	\$47,295	\$0
Chain link fence-Jack Davis reservoir	06/30/07	2007	30	14	16		\$33,894	1.69	\$57,133	\$1,904	\$26,662	\$30,471
Major pipeline leak repair	06/30/07	2007	30	14	16		\$111,545	1.69	\$188,024	\$6,267	\$87,745	\$100,280
Pope & California St. new water line Ph1	06/30/09	2009	30	12	18		\$38,740	1.56	\$60,608	\$2,020	\$24,243	\$36,365
2009 Toyota Tacoma	06/30/09	2009	5	12	0		\$28,173	1.56	\$44,076	\$8,815	\$44,076	\$0
Paloma pressure station	06/30/09	2009	30	12	18		\$5,717	1.56	\$8,944	\$298	\$3,577	\$5,366
Ford Truck	11/23/10	2010	5	11	0		\$34,091	1.51	\$51,382	\$10,276	\$51,382	\$0
2009 Trail Max Trailer	10/31/10	2010	5	11	0		\$20,533	1.51	\$30,947	\$6,189	\$30,947	\$0
Pope & California St. new water line Ph1	06/30/10	2010	30	11	19		\$40,756	1.51	\$61,427	\$2,048	\$22,523	\$38,904
Pope & California St. new water line Ph2	10/31/11	2011	30	10	20		\$37,504	1.45	\$54,457	\$1,815	\$18,152	\$36,305
Blastronix Upgrade	11/30/11	2011	5	10	0		\$5,145	1.45	\$7,470	\$1,494	\$7,470	\$0
Lafayette Line Replacement	07/31/11	2011	40	10	30		\$94,301	1.45	\$136,928	\$3,423	\$34,232	\$102,696
Foothills Terrace Water System	06/30/12	2012	40	9	31		\$36,950	1.40	\$51,688	\$1,292	\$11,630	\$40,058
Ridge Road	06/30/13	2013	40	8	32		\$93,442	1.35	\$125,928	\$3,148	\$25,186	\$100,742
18" Main	06/30/13	2013	40	8	32		\$37,041	1.35	\$49,919	\$1,248	\$9,984	\$39,935
Cemetery Lane	06/30/13	2013	40	8	32		\$19,617	1.35	\$26,437	\$661	\$5,287	\$21,150
Mokelumne Hill Tank Fence	06/30/13	2013	8	8	0		\$7,316	1.35	\$9,859	\$1,232	\$9,859	\$0
Dozer Retrofit	06/30/13	2013	5	8	0		\$21,224	1.35	\$28,603	\$5,721	\$28,603	\$0
Warehouse Paving	06/30/13	2013	10	8	2		\$13,350	1.35	\$17,991	\$1,799	\$14,393	\$3,598
506 St. Charles Line Replacement	06/30/13	2013	40	8	32		\$20,765	1.35	\$27,984	\$700	\$5,597	\$22,387
Hildebrandt Line Replacement	06/30/14	2014	40	7	33		\$69,704	1.30	\$90,499	\$2,262	\$15,837	\$74,661
SCADA System Upgrade (Eurotherm)	06/30/15	2015	10	6	4		\$11,485	1.25	\$14,365	\$1,436	\$8,619	\$5,746
SF Pump Station Motor and Flow Meter	06/30/15	2015	10	6	4		\$18,204	1.25	\$22,769	\$2,277	\$13,662	\$9,108
Zimmerman & Happy Valley Line Replacement Project	06/30/15	2015	40	6	34		\$32,789	1.25	\$41,013	\$1,025	\$6,152	\$34,861
S. Main Line Replacement Project	06/30/16	2016	40	5	35		\$205,527	1.20	\$247,660	\$6,192	\$30,958	\$216,703
S. Main (Leger) Moke Hill Line Replacement	06/30/17	2017	40	4	36		\$69,415	1.16	\$80,582	\$2,015	\$8,058	\$72,524
Pope/Hildebrandt Fill Station	06/30/17	2017	20	4	16		\$45,148	1.16	\$52,412	\$2,621	\$10,482	\$41,929
Railroad Flat Fill Station	06/30/17	2017	20	4	16		\$43,726	1.16	\$50,761	\$2,538	\$10,152	\$40,609
Mokelumne Hill Fill Station	06/30/17	2017	20	4	16		\$52,941	1.16	\$61,458	\$3,073	\$12,292	\$49,167
2016 Ford F-350 1FD8X3B6XGED28505	06/30/17	2017	10	4	6		\$48,212	1.16	\$55,968	\$5,597	\$22,387	\$33,581
Oak Street Line Replacement	06/30/17	2017	40	4	36		\$50,656	1.16	\$58,806	\$1,470	\$5,881	\$52,925
High School Street Line Replacement	06/30/17	2017	40	4	36		\$78,489	1.16	\$91,117	\$2,278	\$9,112	\$82,005
Main Control Valve Road Improvements	06/30/17	2017	15	4	11		\$31,454	1.16	\$36,515	\$2,434	\$9,737	\$26,777
Marler Line Replacement	06/30/17	2017	40	4	36		\$53,471	1.16	\$62,073	\$1,552	\$6,207	\$55,866
Paloma Fill Station	06/30/18	2018	20	3	17		\$34,379	1.12	\$38,449	\$1,922	\$5,767	\$32,682
George Reed Fill Station	06/30/18	2018	20	3	17		\$34,379	1.12	\$38,449	\$1,922	\$5,767	\$32,682
2018 Ford F-350	06/30/18	2018	10	3	7		\$31,783	1.12	\$35,545	\$3,555	\$10,664	\$24,882
Ponderosa Meter Upgrade	06/30/18	2018	20	3	17		\$24,009	1.12	\$26,851	\$1,343	\$4,028	\$22,824
Sunset Line Replacement Project	06/30/18	2018	40	3	37		\$402,327	1.12	\$449,957	\$11,249	\$33,747	\$416,210
Pixley Ave Line Replacement Project	06/30/19	2019	40	2	38		\$219,096	1.08	\$236,063	\$5,902	\$11,803	\$224,260
Court Line Replacement Project	06/30/19	2019	40	2	38		\$16,974	1.08	\$18,289	\$457	\$914	\$17,375
FLEXUS F601 Portable Ultrasonic Flowmeter	06/30/19	2019	10	2	8		\$11,906	1.08	\$12,828	\$1,283	\$2,566	\$10,262
SCADA System Upgrade	06/30/20	2020	10	1	9		\$273,668	1.04	\$284,067	\$28,407	\$28,407	\$255,661
2020 Ford F150 XL (VIN 1FTEX1EP5LKD19366)	06/30/20	2020	5	1	4		\$29,985	1.04	\$31,125	\$6,225	\$6,225	\$24,900
TOTAL TRANSMISSION AND DISTRIBUTION							\$8,319,879		\$35,539,458	\$815,782	\$24,809,588	\$10,729,870
GRAND TOTAL CPUD ASSETS							\$14,898,733		\$57,215,292	\$1,238,151	\$36,417,181	\$20,798,111

Source: CPUD Depreciation schedule.

[1] Adjusted by the average annual rate of inflation in California since 1955.

Table A-6
Calaveras Public Utility District Connection Fees Update

Installation Cost Meter Ratios

DRAFT

Meter Size	Estimated Costs by Meter Size			Installation Cost Meter Ratio
	Meter [1]	Install	Total	
1" and Smaller	\$660	\$2,190	\$2,850	1.00
1.5"	\$1,010	\$2,270	\$3,280	1.15
2"	\$1,510	\$2,305	\$3,815	1.34
3"	\$2,000	\$3,361	\$5,361	1.88
4"	\$4,800	\$3,476	\$8,276	2.90
6"	\$8,400	\$4,450	\$12,850	4.51
8"	\$13,500	\$5,562	\$19,062	6.69

Source: HEC 2021 rate study.

install ratio

[1] Costs for meter smaller than 3" based on CPUD data and costs for meters larger than 3" based on data from comparison communities.

Table A-7
Calaveras Public Utility District Connection Fees Update

Service Installation Cost Estimates

DRAFT

Labor and Equipment	Meter Size						
	1 or Smaller	1.5	2	3	4	6	8
LABOR							
Hours by Position							
Administrative	2.00	2.00	2.00	5.00	5.00	6.00	6.00
General Manager	1.00	1.00	1.00	1.50	1.50	2.00	3.00
Field Personnel	11.00	13.25	14.25	16.50	19.75	22.00	27.50
Cost by Position							
Administrative	\$74	\$74	\$74	\$185	\$185	\$222	\$222
General Manager	\$102	\$102	\$102	\$154	\$154	\$205	\$307
Field Personnel	\$352	\$424	\$456	\$528	\$631	\$703	\$879
Total Labor	\$530	\$600	\$630	\$870	\$970	\$1,130	\$1,410
Overhead Cost Allocation	15%	15%	15%	15%	15%	15%	15%
Total Labor Fee	\$610	\$690	\$725	\$1,001	\$1,116	\$1,300	\$1,622
Equipment							
Days per Equipment Type							
District Truck	5.00	5.00	5.00	7.50	7.50	10.00	12.50
Dump Truck	4.00	4.00	4.00	6.00	6.00	8.00	10.00
Backhoe	4.00	4.00	4.00	6.00	6.00	8.00	10.00
Cost by Equipment							
District Truck	\$375	\$375	\$375	\$563	\$563	\$750	\$938
Dump Truck	\$600	\$600	\$600	\$900	\$900	\$1,200	\$1,500
Backhoe	\$600	\$600	\$600	\$900	\$900	\$1,200	\$1,500
Total Equipment	\$1,580	\$1,580	\$1,580	\$2,360	\$2,360	\$3,150	\$3,940
TOTAL	\$2,190	\$2,270	\$2,305	\$3,361	\$3,476	\$4,450	\$5,562

Source: CPUD and HEC February 2021.

all sizes

Engineering Project Status Update

April 7, 2021

1. Clearwell Tank Project #2873

- **State Domestic Water Supply Permit Amendment** – Coordination with the State regarding the project has clarified that the District will need to complete a permit amendment for the new clearwell tank to be brought into service. A project report and submittal of plans will be required for approval. The District has been advised that a CT tracer study will also be required once the tank is constructed.
- **Environmental** – The project team is pursuing a CEQA Categorical exemption as the new clearwell tank will replace in-kind and existing facility. The environmental group is in the process of drafting a Cultural Resources Technical Report, Notice of Exemption, and Biological Resources Evaluation to document the results of the biological survey, which was conducted at the Water Treatment Plant on April 6, 2021.
- **Design** – To-date a Geotechnical Engineering Study and all topographic survey has been completed. The tank location has been confirmed and grading and piping has been designed and was reviewed by CPUD Operations Staff at a recent meeting. Tank interior baffle design is substantially complete and was reviewed by operations staff. Approval of this system by the State is a critical piece of the project as the tank must meet the State’s Chlorine Contact Time requirements.
- **Construction Work** – The project team has been discussing moving forward with two phases of contract work for construction. Phase 1 work will include clearing the project footprint of large trees, grading, and installation of piping. Phase 2 will include construction of the tank.
- **Project Schedule**

Phase	2021											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Environmental												
Design												
Procurement												
Construction												

2. General Engineering #2528

- Facilitation of monthly engineering meeting and response to requests/questions.
- Assistance with easement research.

3. DWSRF Planning Application #2798

- Status update with the State.

Calaveras Public Utility District

MEMORANDUM

TO: Donna Leatherman, District Manager

FROM: Matt Ospital, District Engineer

RE: Billing Summary for February 2021

DATE: March 11, 2021

#2528	General Engineering Services - Research and Plot Easements Assisted with easement research at four locations, per District Manager.	\$520.00
#2798	SRF Application Revised and resubmitted per exclusion of the new Clearwell scope and inclusion of the River Pump Station Dam Repair. Corresponded with and resubmitted to the State the DWSRF planning grant.	\$1,425.00
#2873	Clearwell Tank Project Assisted staff with DWSRF application. Coordinated environmental and geotechnical contracts and corresponding work. Corresponded with District, facilitated field exploration meeting for geotechnical work and critical infrastructure confirmation. Performed site topographic survey and prepared data for design.	\$11,904.28

TOTAL **\$13,849.28**

CALAVERAS PUBLIC UTILITY DISTRICT

MEMORANDUM

TO: John Kingsbury, Interim District Manager

FROM: Matt Ospital, District Engineer *MSO*

RE: Clearwell Tank Project Update

DATE: April 5, 2021

Background:

The Clearwell Tank, which is located at the Jeff Davis Water Treatment Plant (WTP) is a welded steel 0.5-million-gallon tank that was built with the original WTP in 1972. This tank is used to satisfy chlorine contact time as required by the California State treatment permit. Staff does a visual inspection of the outside of all District tanks on a regular basis and a dive inspection/cleaning is contracted every 3-5 years. The existing tank has never been taken out of service for recoating or repair since its construction due to limitations in not having access to a back-up or redundant tank.

During the October 18, 2018 dive inspection and cleaning by Inland Potable Services, Inc. it was noted that there was a broken structural I-beam that they recommended be repaired. The picture and video quality of the report was not adequate to identify the extent of the repair needed. Due to the critical nature of this tank affecting the District's ability to provide treated water, a follow-up inspection was completed on August 18, 2020 by CSI Services to gain better insight on the specific extent of the damage.

During the August 18, 2020 dive tank inspection by CSI Services, the following deficiencies were identified:

- The interior coating of the tank was in very poor condition
- Corrosion pitting in the floor panels has left some areas of the floor at only 0.3 mm in comparison to the original thickness of 6.35 mm
- Structural roof beams were also severely corroded, and one was disconnected from the center connection.

The tank inspection company communicated that replacement of the epoxy internal coating and repair of the floor panels should be completed as soon as possible, ideally in the next 6-8 months before the full thickness of the floor panels corrode all the way

through which will accelerate corrosion and gradually increase the scope of the required repair.

At the January 12, 2021 CPUD Board Meeting the following alternatives were presented to the Board for selection:

- Alternative #1 – Repair the existing 0.5 MG Clearwell Tank
- Alternative #2 – Construct an in-kind 0.5 MG Clearwell Tank

Alternative #2 was chosen and the Engineering office has been moving forward with design for the new tank.

Project Scope:

Construction of an in-kind 500,000-gallon welded steel tank directly adjacent to the existing clearwell. All existing piping between the WTP and the clearwell tank will be replaced. The new tank and valves will be integrated into the CPUD SCADA system. The existing clearwell tank will continue to operate normally throughout the construction duration. Once the project is complete, the existing clearwell will be taken out of service and can be evaluated as part of the District's future planning efforts.

Project Status Update:

State Domestic Water Supply Permit Amendment – Coordination with the State regarding the project has clarified that the District will need to complete a permit amendment for the new clearwell tank to be brought into service. A project report and submittal of plans will be required for approval. The District has been advised that a CT tracer study will also be required once the tank is constructed.

Environmental – The project team is pursuing a CEQA Categorical exemption as the new clearwell tank will replace in-kind and existing facility. The environmental group is in the process of drafting a Cultural Resources Technical Report, Notice of Exemption, and Biological Resources Evaluation to document the results of the biological survey, which is scheduled to be conducted at the Water Treatment Plant on April 6, 2021.

Design – To-date a Geotechnical Engineering Study and all topographic survey has been completed. The tank location has been confirmed and grading and piping has been designed and is pending review by CPUD Operations Staff at a meeting scheduled April 6, 2021 at 9am. Tank interior baffle design is substantially complete and will be reviewed at tomorrow's meeting with Operations Staff as well. Approval of this system by the State is a critical piece of the project as the tank must meet the State's Chlorine Contact Time requirements.

Construction Work – The project team has been discussing moving forward with two phases of contract work for construction. Phase 1 work will include clearing the project

footprint of large trees, grading, and installation of piping. Phase 2 will include construction of the tank.

Schedule:

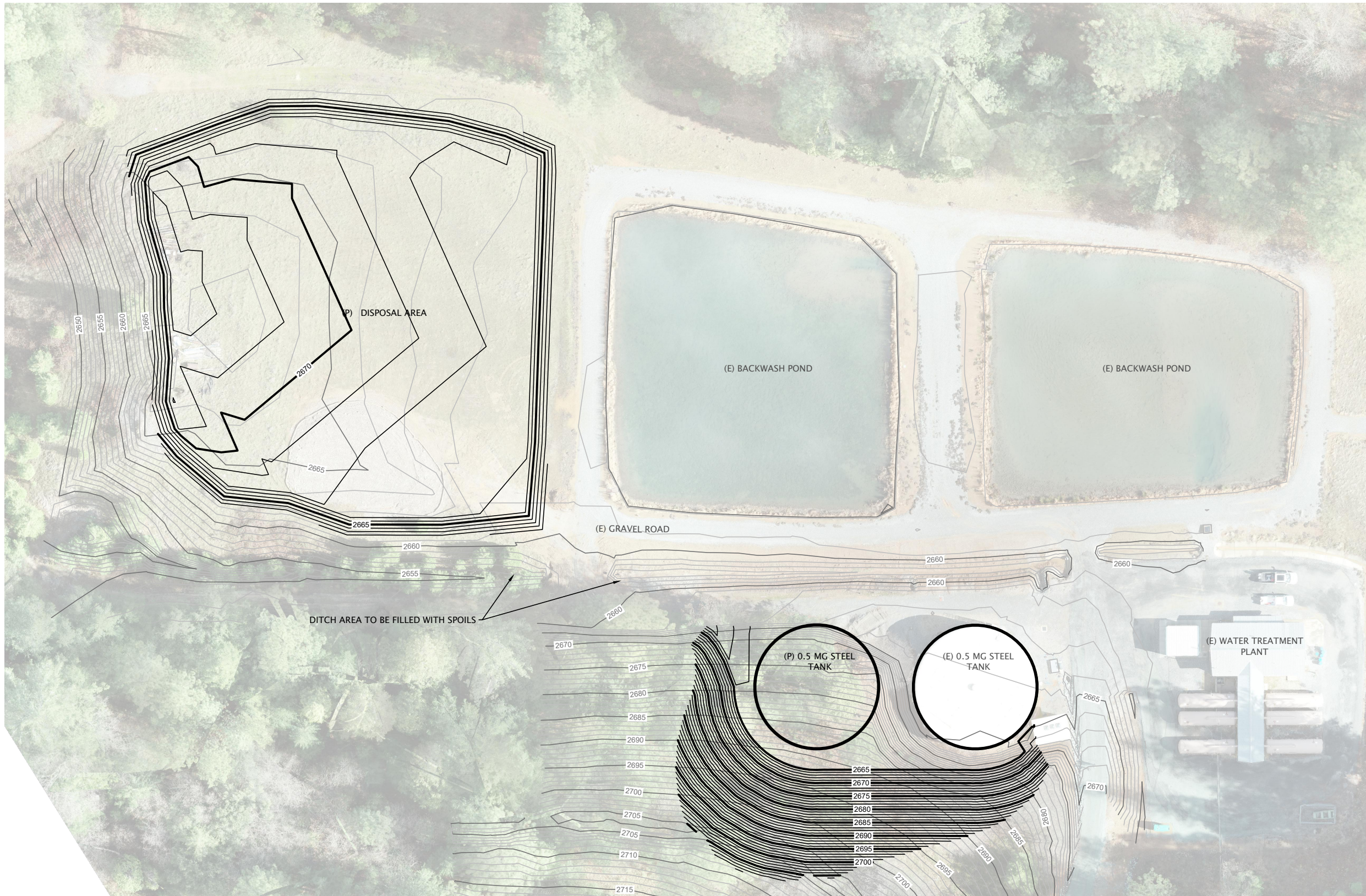
The project team identifies that the schedule is extremely aggressive however continued coordination with the industry up to this point has supported the following schedule:

Phase	2021											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Environmental	■	■	■	■								
Design	■	■	■	■								
Procurement	■	■	■	■	■							
Construction	■	■	■			■	■	■	■	■	■	■

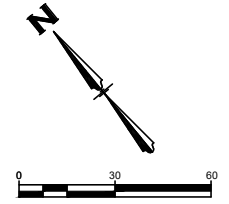
Project delays due to COVID and material scarcity are being tracked by the project team. At this time, we have received feedback that steel prices are higher than when the original Engineer’s Estimate was given but impacts to schedule due to scarcity is unlikely.

Attachments:

- Project Exhibit
- Engineer’s Estimate (1/8/2021)



OVERALL SITE PLAN



REV. No.	DESCRIPTION	REV. DATE	BY
1			
2			
3			
4			
5			

WGA WEBER, GHIO & ASSOCIATES
civil engineering consultant

394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

CALAVERAS PUBLIC UTILITY DISTRICT
CLEARWELL TANK PROJECT

JEFF DAVIS WATER TREATMENT PLANT
1601 W FORTY ROAD
MOKELUMNE, CA 95245

CALAVERAS COUNTY CALIFORNIA

PRJ. No.:	2873
DATE:	4/5/2021
SCALE:	AS SHOWN
DRAWN BY:	TAD
CHECKED BY:	MSO

C1

SHT. 1 of SHT. 1

PRELIMINARY
NOT FOR CONSTRUCTION

**CALAVERAS PUBLIC UTILITY DISTRICT
CLEARWELL REPAIR PROJECT
ALTERNATIVE #2 - NEW 0.5 MG WELDED STEEL TANK
OPINION OF PROBABLE PROJECT COSTS
1/8/2021**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	10" PVC C900	LF	120	\$150.00	\$18,000.00
2	24" PVC C900	LF	305	\$200.00	\$61,000.00
3	30" PVC C900	LF	20	\$250.00	\$5,000.00
4	AUTOMATED VALVES	EA	3	\$35,000.00	\$105,000.00
5	FLOW METER	EA	2	\$25,000.00	\$50,000.00
6	GRADING	LS	1	\$200,000.00	\$200,000.00
7	0.5 MG WELDED STEEL TANK	LS	1	\$500,000.00	\$500,000.00
8	TANK BAFFLES	LS	1	\$70,000.00	\$70,000.00
9	GALVANIC CATHODIC PROTECTION	LS	1	\$15,000.00	\$15,000.00
10	ELECTRICAL	LS	1	\$25,000.00	\$25,000.00
11	INSTRUMENTATION & SCADA INTEGRATION	LS	1	\$50,000.00	\$50,000.00

TOTAL: \$1,099,000.00
CONSTRUCTION CONTINGENCY (30%): \$330,000.00
TOTAL CONSTRUCTION COST: \$1,429,000.00

ENGINEERING, GEOTECHNICAL, SURVEYING, & ADMINISTRATION (20%): \$220,000.00
ENVIRONMENTAL & PERMITTING : \$50,000.00
CONSTRUCTION MANAGEMENT (15%): \$165,000.00
TOTAL PROJECT COST: \$1,864,000.00