



CALAVERAS COUNTY WATER DISTRICT ENGINEERING COMMITTEE MEETING

OUR MISSION

Protect, enhance, and develop Calaveras County's water resources and watersheds to provide safe, reliable, and cost-effective services to our communities.

2021-2026 Strategic Plan, Adopted April 28, 2021, can be viewed at this [link](#)

Engineering Committee
Wednesday, September 17, 2025
2:00 p.m.

Calaveras County Water District
120 Toma Court
San Andreas, California 95249

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COMMITTEE MEMBERS

Director Davidson, Chair

Russ Thomas, Director

ORDER OF BUSINESS

CALL TO ORDER / PLEDGE OF ALLEGIANCE

1. **ROLL CALL**

2. **PUBLIC COMMENT**

3. **APPROVAL OF MINUTES:** For the meeting of May 6, 2025, and July 8, 2025

4. **NEW BUSINESS**

4a.* Introduction of Chase King
(Kevin Williams, District Engineer)

4b. ADU Update
(Kevin Williams, District Engineer)

4c. UPUD Emergency Intertie Project
(Kevin Williams, District Engineer)

4d. Jenny Lind A-B Water Transmission Line CIP 11088 Project Update
(Juan Maya, Associate Civil Engineer)

4e. Section 219 Grants Update
(Alex Brown, Senior Civil Engineer)

4f. Wildfire Hardening of Critical Pump Stations Update
(Alex Brown, Senior Civil Engineer)

4g. Arnold Sewer Master Plan Update
(Kevin Williams, District Engineer)

5. **OLD BUSINESS**

5a. Project Updates
(Kevin Williams, District Engineer)

6.* **GENERAL MANAGER COMMENTS**

7.* **DIRECTOR COMMENTS OR FUTURE AGENDA ITEMS**

*No information included in packet

September 17, 2025, Committee Meeting.

8. **NEXT COMMITTEE MEETING:**
November 4, 2025

9. **ADJOURNMENT**

*No information included in packet

September 17, 2025, Committee Meeting.



CALAVERAS COUNTY WATER DISTRICT SPECIAL ENGINEERING COMMITTEE

MINUTES
May 6, 2025

Directors/Committee Members present:

Scott Ratterman
Jeff Davidson

Staff present:

Michael Minkler	General Manager
Kevin Williams	District Engineer
Juan Maya	Civil Engineer
Haley Airola	Engineering Coordinator
Sam Singh	Senior Engineer Technician
Pat Burkhardt	Construction and Maintenance Manager
Damon Wyckoff	Director of Operations
Jeff Myers	Director of Administration Services*
Rebecca Hitchcock	Executive Assistance/Clerk to the board*
Bana Rousan-Gedese	Water Resource Specialist*
Tiffany Burke	Senior Administrative Technician*
Kate Jesus	Human Resources Technician*
Ron Rose	Senior Supervisor Water/Wastewater*
Michael Bear	Accountant I*
Dylan Smith	Information *
Bill Heinle	Senior Distribution Worker*
Stacey Lollar	Human Resources Manager*
Kelly Gerkenmeyer	External Affairs Manger*

Others present:

Russ Thomas Member of the Public*

CALL TO ORDER / PLEDGE OF ALLEGIANCE.

1. ROLL CALL

Director Davidson called the Engineering Committee to order at 2:00 p.m. and led the Pledge of Allegiance.

2. PUBLIC COMMENT

No public comment was given.

3. APPROVAL OF MINUTES

The March 11, 2025, minutes were approved by a motion from Director Ratterman and seconded by Director Davidson.

4. NEW BUSINESS

**4a. Cross-Connection Control Policy
(Operations Department)**

DISCUSSION: The Operations department provided an update on changing policies regarding back flow prevention assembly. All questions were answered directly by the Operations Department.

PUBLIC COMMENT: No Public comment was given.

**4b. SSMP Update
(Operations Department)**

DISCUSSION: The operations department provided information regarding the SSMP update. All questions were answered directly by the Operations Department.

PUBLIC COMMENT: No Public comment was given.

**4c. Arnold Secondary Clarifier CIP 15095
(Kevin Williams, District Engineer)**

DISCUSSION: Kevin Williams provided an update on the project status. Any questions from the Committee were answered by Kevin Williams.

PUBLIC COMMENT: No public comment was given.

**4d. Proposed Development Projects
(Sam Singh, Senior Engineering Technician)**

DISCUSSION: Sam Singh provided an update on the current proposed developer projects and their statuses. Any questions from the Committee were answered by Sam Singh.

PUBLIC COMMENT: No public comment was given.

**4e. Capital Improvement Update
(Kevin Williams, District Engineer)**

DISCUSSION: Kevin Williams provided on update on the Capital Improvement Program. Any questions from the Committee were answered by Kevin Williams.

PUBLIC COMMENT: No public comment was given.

5. **OLD BUSINESS**

5a. **Developer Projects
(Sam Singh, Senior Engineering Technician)**

DISCUSSION: Sam Singh provided updates on the developer projects. Any questions from the Committee were answered by Engineering Staff.

PUBLIC COMMENT: No public comment was given.

5b. **Other Updates
(Juan Maya, Associate Civil Engineer)**

DISCUSSION: Juan Maya provided updates on all other engineering projects. Any questions from the Committee were answered by Engineering staff.

PUBLIC COMMENT: No public comment was given.

6. **GENERAL MANAGER COMMENTS**

Staff and Board members will be attending the ACWA conference will be next week. Director Secada has resigned from the Board effective May 22, 2025. Notice for vacancy will be initiated.

7. **DIRECTOR COMMENTS OR FUTURE AGENDA ITEMS**

None.

8. **NEXT COMMITTEE MEETING**

July 1, 2025

9. **ADJOURNMENT**

There being no further business, the meeting adjourned at approximately 3:16 p.m.

Respectfully submitted,

Haley Airola

Haley Airola
Engineering Coordinator



CALAVERAS COUNTY WATER DISTRICT ENGINEERING COMMITTEE MEETING

MINUTES
July 7, 2025

Directors/Committee Members present:

Russ Thomas
Jeff Robertson

Staff present:

Michael Minkler	General Manager
Kevin Williams	District Engineer
Juan Maya	Civil Engineer
Haley Airola	Engineering Coordinator
Sam Singh	Senior Engineer Technician
Pat Burkhardt	Construction and Maintenance Manager
Damon Wyckoff	Director of Operations
Jeff Myers	Director of Administration Services*
Jesse Hampton	Plant Operations Manager*
Rebecca Hitchcock	Executive Assistance/Clerk to the board*
Kelly Richards	Business Services Manager*
Kate Jesus	Human Resources Technician*
Dylan Smith	Information Systems Administrator*
Joshua Fernandez	Information Systems Technician*

Others present:

Matt Ospital	Member of the Public*
Rebecca Smith	Member of the Public*
Mike Johnson	Member of the Public
Richard Dickinson	Member of the Public
Scott Hertzog	Member of the Public
John Parks	Member of the Public

CALL TO ORDER / PLEDGE OF ALLEGIANCE.

1. ROLL CALL

Director Thomas called the Engineering Committee to order at 2:00 p.m. and led the Pledge of Allegiance.

2. PUBLIC COMMENT

No public comment was given.

3. APPROVAL OF MINUTES

Deferred to next meeting.

4. **NEW BUSINESS**

4a. **Fire Hydrant Operations & Maintenance Overview
(Damon Wyckoff, Director of Operations)**

DISCUSSION: Damon Wyckoff provided information regarding the fire hydrant system and cooperation with local fire departments. All questions were answered directly by the Operations Department or present fire personnel.

PUBLIC COMMENT: No Public comment was given.

4b. **Introduction of Alex Brown
(Kevin Williams, District Engineer)**

DISCUSSION: Kevin Williams provided an introduction of Alex Brown, the new Senior Civil Engineer. Alex Brown provided information about his past experiences. All questions were answered directly by Alex Brown.

PUBLIC COMMENT: No Public comment was given.

4c. **La Contenta Master Plan Update #10108
(Kevin Williams, District Engineer)**

DISCUSSION: Kevin Williams provided information about updating the La Contenta Master Plan. Item to be presented to the full Board. Any questions from the Committee were answered by Kevin Williams.

PUBLIC COMMENT: No public comment was given.

4d. **Jenny Lind A-B Water Transmission Line CIP 11088 Project Update
(Juan Maya, Associate Engineer)**

DISCUSSION: Juan Maya provided an update project. Any questions from the Committee were answered by the Engineering Department.

PUBLIC COMMENT: No public comment was given.

RECESS was called at 3:40 p.m. **SESSION RESUMED** at 3:50 p.m.

4e. **Huckleberry Lift Station CIP 15092 Design Update
(Juan Maya, Associate Engineer)**

DISCUSSION: Juan Maya provided an update on the project's design status. Any questions from the Committee were answered by the Engineering Department.

PUBLIC COMMENT: No public comment was given.

**4f. Notice of Intent: Wildfire Hardening of Critical Pump Stations
(Alex Brown, Senior Civil Engineer)**

DISCUSSION: Alex Brown provided the Committee with information regarding the Notice of Interest filed for a Hazard Mitigation Grant through Cal OES. Any questions from the Committee were answered directly by Alex Brown.

**4e. Notice of Intent: UPUD Emergency Intertie
(Kevin Williams, District Engineer)**

DISCUSSION: Kevin Williams provided the Committee with information about a Hazard Mitigation Grant through Cal OES. This Grant would be an opportunity to partner with UPUD to construction an emergency intertie between both agencies. Any questions from the Committee were answered directly by Kevin Williams.

5. OLD BUSINESS

**5a. Developer Projects
(Sam Singh, Senior Engineering Technician)**

DISCUSSION: Sam Singh provided updates on the developer projects. Any questions from the Committee were answered by Engineering Staff.

PUBLIC COMMENT: No public comment was given.

**5b. Other Updates
(Juan Maya, Associate Civil Engineer)**

DISCUSSION: Juan Maya provided updates on all other engineering projects. Any questions from the Committee were answered by Engineering staff.

PUBLIC COMMENT: No public comment was given.

6. GENERAL MANAGER COMMENTS

Michael Minkler informed the Committee that the funds for the CIP loan have been delivered.

7. DIRECTOR COMMENTS OR FUTURE AGENDA ITEMS

None

8. NEXT COMMITTEE MEETING

September 9, 2025

9. ADJOURNMENT

There being no further business, the meeting adjourned at approximately 4:31 p.m.

Respectfully submitted,

Haley Airola

Haley Airola
Engineering Coordinator

DRAFT

Agenda Item

DATE: September 17, 2025

TO: Michael Minkler, General Manager

FROM: Kevin Williams, District Engineer

SUBJECT: Discussion – Alignment of CCWD Policies with Updated State ADU Regulations

BACKGROUND

Recent updates to California law including Government Code §§ 65852.2 and 65852.22 and Health & Safety Code §§ 17958.1 and 17958.2 have changed how local agencies are required to handle Accessory Dwelling Units (ADUs) and Junior Accessory Dwelling Units (JADUs)

Key Changes include

- Entities are no longer allowed to impose capacity fees on ADUs under 750 square feet
- Clarifies that shared service connections must be allowed by default
- Added restrictions requiring new utility connections unless requested by the property owner.
- New guidelines for capacity charges on larger ADUs

CURRENT CCWD PRACTICE

The current CCWD ADU policies do not comply with recently updated State regulations. The district is working to balance the requirements of the new regulations with the existing policies. To achieve this, staff are proposing to completely replace the existing policy to better define how ADUs are treated. The goal is that fees and services remain equitable within the guidelines of the new regulations. To date, the district has not received many applications for ADUs. The Calaveras County Building department, however, may not have sent referrals to CCWD based on new guidelines and evolving State laws.

STAFF RECOMMENDATIONS

A new policy draft for ADUs that:

- Follows the capacity charge exemptions and proportionality requirements of California law
- Defines clear rules for shared vs. separate service connections
- Establishes a transparent fee schedule for ADUs 750 sq. ft. and larger
- Provides procedural guidance for billing and exceptions

NEXT STEPS

- Work to incorporate Engineering Committee feedback into a final draft policy
- Bring that draft policy to the Board of Directors for approval
- Update the website, customer applications, and permit checklists to reflect new ADU procedures
- Coordinate with Calaveras County Building Department on permit referrals

Draft Accessory Dwelling Unit (ADU) Policy Update:

Purpose of this Policy

This policy explains how Calaveras County Water District (CCWD) will handle water and sewer service for Accessory Dwelling Units (ADUs). ADUs are also called in-law units, backyard cottages, or second units.

This policy follows California laws that guides how water and sewer agencies like CCWD can treat ADUs, including:

- **Government Code Sections 65852.2 and 65852.22**
- **Health and Safety Code Sections 17958.1 and 17958.2**

The goal is to provide fair rules that make it easier to add housing; while making sure everyone pays a fair share for using the water and sewer system.

Definitions

- **Accessory Dwelling Unit (ADU):** A second home on a property that already has a main house. ADUs can be in the backyard, above a garage, attached to the house, or inside a space like a basement.
- **Junior Accessory Dwelling Unit (JADU):** A smaller type of ADU (500 square feet or less) that is built inside the main house. It usually shares the bathroom with the main home and has a simple kitchen.
- **Primary Dwelling:** The main house on the property.
- **Capacity Charge:** A one-time fee paid to help cover the cost of the water or sewer system that serves new homes or units.
- **Metered Service:** A water or sewer connection with its own water meter or sewer lateral

This policy applies to:

- New and existing ADUs or JADUs
- Any property served by CCWD that is adding a second home or small unit

It explains when you need a new meter, how much you'll pay in fees, and how billing works.

Getting Water and Sewer Service for an ADU

Connection Options:

Option 1: Shared Service (Default)

Most ADUs will share the same water and sewer line and meter as the main house. This is the default method and is allowed under state law.

Option 2: Separate Service (By Request)

If you want a separate meter and service line for your ADU, you can request it. You will need to pay for installation, capacity fees and will be billed bi-monthly for service.

Checking for System Capacity

Before approving your request, CCWD will check to make sure the water and sewer systems in your area can handle the extra use. If not, we may require you to help cover upgrade costs.

Capacity Fees (One-Time Fees):

- If your ADU is less than 750 square feet, you won't pay any capacity charge.
- If your ADU is 750 square feet or larger, a fee will be charged.

What you will pay (Fee Chart)

1. **ADU Less than 750 SqFt** – No Capacity Fees unless separate service or is requested.
2. **Detached ADU and Larger than 750 SqFt** – Capacity Fee is 55% of current single family capacity fee for service area for both water and sewer.
3. **Attached or converted ADU and larger than 750 SqFt** – Capacity fee is based on the proportional size of ADU to main home and capped at 55% of current single family capacity fee.
4. **Junior ADU** – no capacity fees, exempt from state.
5. **ADU with separate water, sewer service, or septic tank** – Capacity Fee is based on current single family capacity fee for the service area for both water and Sewer. Fees will be charged for installation of new service connections and meter.
6. **Water Meter Upsize** – A standard 5/8" meter may not provide the customer with the desirable water flow/pressure for both the ADU and the main home when multiple water fixtures are being used. Customers can request to upsize their existing meter and service line. Additional fees for installation costs and capacity will be charged.

In some sewer service areas CCWD only accepts Septic Tank Effluent (Liquid). Detached ADU's in these areas regardless of the ADU building size will require a second septic tank. Installation fees for the septic tank and service line piping will apply. Capacity fees will depend on the type of ADU listed above.

Multifamily Properties

Multifamily lots can have up to **two detached ADUs**. These are treated as separate homes for review. If a separate water meter or sewer service is requested or required, installation, capacity, and bi-monthly charges will apply.

Billing and Meters

- If your ADU uses the same meter as the primary dwelling, you will receive one combined bill. It's up to the property owner to split the bill between units if needed.
- If your ADU has a separate meter, you will receive a separate bill.
- CCWD does not read sub-meters

What You Need to Submit

To request water or sewer service for an ADU, provide:

- A completed CCWD service application
- A copy of the approved building permit from the County
- Floor plans showing the square footage
- Whether the ADU is detached, attached, converted, or a JADU

Once we review your documents, we'll confirm your service type and send you an invoice for fees. Building permits will have to be signed off by CCWD prior to occupying the new ADU.

Agenda Item

DATE: September 17, 2025

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Kevin Williams, District Engineer

RE: Discussion CCWD/UPUD Emergency Intertie & HMGP Grant Application

BACKGROUND:

Discussion of a potential partnership with Union Public Utility District (UPUD) on a Hazard Mitigation Grant Program (HMGP) application for a regional emergency intertie project, including design and environmental work for a new Clearwell and improvements at the Hunters Water Treatment Plant (WTP).

SUMMARY:

Staff recently met with UPUD regarding their proposed regional emergency intertie project to enhance water supply reliability in Calaveras County. UPUD has prepared a strong project proposal under the FEMA Hazard Mitigation Grant Program (HMGP); however, to remain competitive under updated FEMA guidelines, the project requires advancement to the 60% design stage.

The design scope includes:

- A new 1.5 MG welded steel Clearwell at Hunters WTP.
- Pump and filter improvements, including evaluation of an additional Trident filter unit.
- Associated environmental documentation to comply with FEMA and CEQA/NEPA requirements.

To manage costs and maximize District resources, CCWD staff will complete as much of the 60% design effort in-house as possible. Specialized services such as electrical engineering, geotechnical investigation, and land surveying may require outside consultants.

As the project progresses, CCWD and UPUD would need to enter a Memorandum of Understanding (MOU) that outlines cost-sharing responsibilities for both construction and long-term operations. It is anticipated that CCWD would contribute toward shared

improvements to the Clearwell and related facilities. The level of investment in “ideal” vs. “minimum” equipment will depend on how frequently the intertie is expected to be used. Ultimately Angels Camp could also benefit from this project if UPUD infrastructure would connect to Angels Camp.

There is an accelerated timeframe: the 60% design package must be completed and submitted by the first quarter of 2026 for the HMGP application to be considered. This schedule will require focused effort by CCWD staff and timely coordination with consultants.

Even if HMGP funding is not awarded, advancing design strengthens the project’s eligibility for other state and federal funding opportunities (e.g., CWSRF, WaterSMART, Section 219/WRDA).

FINANCIAL CONSIDERATIONS

- Estimated CCWD cost share for design/environmental: \$250,000.
- Funding source: Special Project Fund (Clearwell portion aligns with CIP).
- Design led in-house, with specialty consultant support as needed.
- No immediate construction commitment; contribution is limited to advancing design and environmental clearance.

Agenda Item

DATE: September 17, 2025

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Juan Maya, Associate Engineer

RE: Jenny Lind A-B Water Transmission Line Project – Project Update
CIP Project No.11104

SUMMARY:

Project Update

The Calaveras County Water District (District) and DA Wood Construction (DA Wood) continue to make progress on the installation of ductile iron pipe (DIP) and related appurtenances. Of the planned 20,000 linear feet of 14-inch and 12-inch pipe, all 14-inch pipe has been installed, with approximately 1,800 linear feet of 12-inch DIP remaining.

Trench excavation on Usher Drive has progressed smoothly due to the absence of un-rippable rock, minimizing potential delays. The project has now reached Wind River Court, where a townhall meeting was held with residents to discuss construction impacts on the single-lane road. Representatives from the District, DA Wood, and the Calaveras County Office of Emergency Services participated in the meeting.

The District's Engineering and Operations staff are completing the work plan to handle the water outages needed for the contractor to install new service connections. This work includes replacing about 210 service lines in the project area under Bid Item 21: Replacement of Water Service Laterals. The service line work will begin after the new transmission main has been tested and placed into service.

Paving and Road Restoration

Balwin Street Pavement: Asphalt thickness averaged only 3 inches, making the originally planned 2-inch grind and overlay infeasible. A change order is being prepared to perform a full 3-inch grind and overlay instead.

Hartvickson Pavement Restoration: The District, Calaveras County Public Works, and DA Wood are coordinating to finalize a change order for pavement restoration on Hartvickson Lane. Funding for this work is made possible through a partnership between Calaveras County Public Works and the District.

FINANCIAL CONSIDERATIONS:

No adjustments are necessary at this time. Sufficient funds for the construction contract were allocated in the adopted FY 25/26 CIP budget.

Agenda Item

DATE: September 17, 2025

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Alex Brown, Senior Civil Engineer

RE: Update: Section 219 Grants – Jenny Lind Raw Water Line

Background

The Water Resources Development Act (WRDA) is a comprehensive legislative package that provides for the conservation and development of water and related resources. It authorizes the conducting of studies, constructing of projects and research activities that can lead to the improvement of rivers and harbors of the United States. The Nationwide Section 219 Program of WRDA provides design and construction assistance for water related environmental infrastructure projects, to include water supply, wastewater treatment, and stormwater management, in specifically authorized local communities.

The Calaveras County Water District (CCWD) Engineering Department has the conceptual stages of a new raw water line to the Jenny Lind Water Treatment Plant. CCWD is in the early stages of obtaining funding through Section 219 of WRDA.

Jenny Lind Raw Water Line Current Configuration

The source of raw water for the Jenny Lind Water Treatment Plant (JLWTP) is the Calaveras River. Water enters the plant through an aging infiltration gallery. The

Jenny Lind Raw Water Line Current Configuration

JLWTP is located at the confluence of the Calaveras River & Cosgrove Creek and environmentally and culturally sensitive area. The confluence is prone to flooding, sediment deposition, and seasonal algal blooms, and flows that vary from very high to very low. Low flows reduce capacity and create sediment deposition and algal blooms that create water quality issues. The high flows destroy the gravel bed access to the infiltration system, disrupt operations and contribute to water quality issues. Additionally, the managed releases from New Hogan Reservoir compromise operations.

Alternatives

An analysis of alternatives was conducted to find the appropriate source of raw water for the JLWTP from New Hogan Reservoir. The do-nothing alternative was reviewed and found, given the environmental, water quality and operational concerns, to not be valid. The other alternatives discussed are below.

Alternative A

A waterline running through the natural earth to Hogan Dam Road. This line would extend to the junction of Hogan Dam Road and Silver Rapids Road. This junction is at the Northeast end of the bridge that crosses the Calaveras River.

Alternative B

A water line running from a junction with the New Hogan Powerhouse, through natural earth to the undeveloped road that parallels the Calaveras River and crosses the river to the Northeast side of the bridge where the waterline joins the treatment plant on Silver Rapids Rd.

FINANCIAL CONSIDERATIONS

The total conceptual cost of the project is estimated to be \$14,045,000. The percentage of the federal request share is 75.0% totaling \$10,533,750. The percentage of the non-federal request share, that is the CCWD match, is 25.0% totaling \$3,511,250. The source of the CCWD match is the Water Fund or Rate Revenue.

CONCLUSION

The Section 291 funding is in the early stages of development. At this time a preliminary conceptual schematic of the potential alternatives has been developed. Of these two alternatives a preferred alternative has been identified. The required Section 7001 application has been submitted and letters of support collected. More updates will be provided as this develops.

Agenda Item

DATE: September 17, 2025

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Alex Brown, Senior Civil Engineer

RE: Update: Hazard Mitigation Grant - Wildfire Hardening of Critical Pump Stations – Big Trees Pump Stations 1 & 4

Background

Calaveras County Water District (CCWD) has filed a Notice of Interest in a hazard mitigation grant available through the California Office of Emergency Services to harden critical pump stations in our district. The Pump Stations of interest are Big Trees 1 & 4 in Big Trees Village. Big Trees Village are in areas with a history of destructive wildfires. The infrastructure currently lacks structural protection for essential electrical and mechanical equipment. The lack of structural protection threatens the continuous delivery of water for both domestic use and fire suppression. A loss of any of these facilities places the water system at significant risk of failure during wildfire events.

Update:

The Notice of Interest (NOI) was accepted by CalOES. Upon receipt of the NOI, CCWD was notified by CalOES that any project that constructed with grant dollars would have to be a shovel ready project not a phased project. In this instance, because of the time to obtain the grant, a project that is 60% designed counts as a shovel ready project. The Engineering Department found a project that would fit the shovel ready description and wrote a new Notice of Interest which was accepted. Upon receipt of the new NOI a new Grant Subapplication, Benefit Cost Analysis (BCA), Cost Estimate, BCA Narrative, Cost Estimate Narrative, and other maps and documents had to be filed. Those documents have been filed with CalOES and CCWD is waiting their decision.

The Project

The project hardening critical pump stations against wildfire. Supervisory control and data acquisition (SCADA) systems will provide remote visibility and control, allowing for rapid response during emergencies. Electrical and Mechanical equipment, pumps, and the SCADA system will be housed in fire resistant masonry structures.

The project will consist of two phases over a 48-month period. The Scope of Work includes, 90% to 100% engineering design, environmental work, CEQ and NEPA review and permitting. During this time construction and project management will include, bidding and awarding of a contract to construct the project and the construction. The construction will include site preparation, demolition of obsolete infrastructure and construction of all site-specific project improvements.

Site Specific Improvements

This project centers on pump stations are collocated in Big Trees Village and include Big Trees 1, and Big Trees 4. The specific details of the critical pump hardening are outlined below.

Big Trees Pump Station 1 & Pump Station 4

Fire resistant masonry buildings will be constructed at both the Big Trees Pump Stations 1 & 4 sites. These buildings will house electrical equipment, pumping equipment, and system controls in these extreme fire zones. New pump equipment and controls will also be installed with the new masonry buildings.

FINANCIAL CONSIDERATIONS

The total cost of the project is estimated to be \$7,130,00. The percentage of the federal request share is 75% totaling \$5,347,500. The percentage of the non-federal request share, that is the CCWD match, is 25% totaling \$1,782,500. The source of the CCWD match is the Water Fund or Rate Revenue.

CONCLUSION AND RECOMMENDATIONS

This is an update and there are conclusions to draw currently. The CCWD Engineering Department will continue to pursue this grant and project.

Agenda Item

DATE: September 17, 2025

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Kevin Williams, District Engineer

RE: Project Update – Arnold Sewer Master Plan RFP

SUMMARY

On August 12, 2025, the District issued a Request for Proposals (RFP) for engineering services to update the Arnold Sewer Master Plan, originally prepared in 2005 by HDR. The update will incorporate service area expansions, system upgrades, and new regional planning considerations.

The Arnold Wastewater Treatment Facility (WWTF) will be benefiting from USDA-funded capital improvements (new clarifier, aerobic digesters, RAS/WAS pump station upgrades, new MCCs, generator, SCADA integration, and yard piping improvements). The updated master plan will evaluate how these upgrades position the facility for future buildout and regional service expansion.

The scope of services in the RFP includes:

- Flow monitoring and inflow/infiltration (I/I) evaluation
- Collection system and lift station capacity/condition assessment
- Inform the improvements that are needed for Lift Station 2 and 3 that are currently on the CIP.
- WWTF capacity and regulatory review
- Feasibility of consolidating CCWD's Sequoia Woods and Mountain Retreat Sewer System into the Arnold system with a new force main.
- Development of a prioritized 20-year Capital Improvement Plan (CIP) with funding strategies

Proposals are due October 9, 2025, with selection anticipated later in October. Staff plans to bring the recommended consultant agreement to the Engineering Committee on November 4, 2025, and to the Board of Directors on November 12, 2025, for approval and award. Project kickoff is targeted for December 1, 2025, with the final Master Plan scheduled for completion by November 2026.

FINANCIAL CONSIDERATIONS

The Engineering Department Budget includes Sewer Master Planning in the current fiscal year, work will extend into next fiscal year. Consultant services will be funded from this allocation. In addition, the resulting 20-year Capital Improvement Plan (CIP) will identify opportunities to align recommended projects with external funding sources such as CWSRF, USDA, FEMA, USBR, and Section 219 programs. There is currently funding available for consolidation projects and septic to sewer programs.

Agenda Item

DATE: September 17, 2025

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Kevin Williams, District Engineer

RE: Project Update

GENERAL UPDATES

Sewer Ordinance Revision Process – Engineering staff has been meeting with Operations staff to review proposed changes to the Sewer Ordinance. We have reviewed sewer ordinances from multiple other agencies and we are working on full re-write of the ordinance.

Construction & Drawing Standards Review – Engineering Staff is going to begin working on updating our Construction Standard Drawings with new details and materials.

Office Project- Engineering Staff has been working layouts to add additional 2-3 offices in the Main Building. Cleared out the existing plan room area to accommodate the expansion.

Fee Schedule Review – Some of the CCWD fees are outdated and need to be updated. Additionally, the structure of the fees could be improved.

ADU Policy – Staff is working on updating the ADU Policy with changes that were made in legislation.

La Contenta Fee Study – HDR is working on the Capacity Fee Study for La Contenta Sewer Service Area.

La Contenta I/I Study – On hold until we have CCTV work completed. Capital Outlay has CCTV truck budgeted for this fiscal year.

Ebbetts Pass Master Plan/Hydraulic Model – HydroScience is working on the Hydraulic Model for Ebbetts Pass Water System. Pressure gages were installed at seven locations to track pressure changes in the system during the Labor Day weekend. This will provide critical information to calibrate out model to match system

demand during busy weekends. Plan to conduct hydrant flow testing in November that will test the system during fire flow conditions to be incorporated into the model.

Arnold Sewer Master Plan – RFP has been advertised.

Wildfire Hardening of Big Trees Pump Station 1 and 4 (Cal-OES/FEMA) – Staff is working on the Application to Cal-OES for Grant to construct two new water pump station for the Big Trees Subdivision.

Hunters Raw Water Pump Stations (Cal-OES/FEMA) - Waiting on FEMA for Construction Funding.

Timber Trails Pump Station – Plan to re-submit grant application under next round of funding for USBR later this year. During the debrief with USBR the project scored very high, but majority of the funding had been pulled in last years round. Once funding is restored we believe have very good chance of being funded.

WRDA Golden Mussel Mitigation – Requesting funding under US Army Corp Engineers Water Resource Development Act to assist in Golden Mussel Mitigation at New Hogan, to protect our infrastructure from invasive species that can damage our downstream equipment.

WRDA Section 219 Funding for New Hogan Raw Water Intake – Staff has work to submit a request to US Army Corp of Engineers to fund new raw water pipeline directly from New Hogan to our Jenny Lind Water Treatment Plant. Our existing infiltration gallery is susceptible to damage/clogging in the current location within the Calaveras River.

PROJECT UPDATES

Jenny Lind A-B Transmission Main – Mainline pipe installation is expected to be completed within the next few weeks. DA Woods will continue installing the PRV stations and appurtenances needed to bring the main into service. Once the transmission main is operational, DA Woods will return to begin service line installations. Staff is working with DA Woods to finalize the change order related to paving limits, which will be completed in coordination with the County.

Copper Cove C Transmission Line – Mozingo Construction plans to begin work in the December–January timeframe. The contractor has submitted traffic control plans for road closures during construction, which are under review by County Public Works.

Clearwell & B Tank – Work is nearing completion. T&S Construction is finishing paving around the Clearwell tanks and will begin filling the final tank shortly.

West Point–Wilseyville Consolidation Project – Wilseyville septic flows have now been redirected to West Point. KW Emerson plans to complete dewatering and cut

through the Wilseyville dam in the coming weeks. Once completed, the District will submit an amendment to its Wastewater Permit to finalize the consolidation.

Copper Cove Pond 6 / SAF Project – Staff has responded to re-submittals of shop drawings for the SAF unit. USACE is reviewing the letter report for approval. CCWD has completed its portion of the Lot Line Adjustment (LLA); final issuance is pending payment of fees by the other landowner.

Arnold Secondary Clarifier – District staff met with USDA Engineer Robert last week to review contract conditions. HydroScience Engineers must agree to the revised USDA boilerplate terms. Finance staff are finalizing the Letter of Conditions, which must be in place before the project can be advertised for bid. Plan to advertise construction in October.

West Point Drought Project – Phase 1 submittals (60% Design, Environmental, Permitting) are due to Cal-OES by September 28. Staff is working intensively to complete all tasks. It was not previously communicated to CCWD that the Cal-OES deadline occurs 45 days before FEMA's application deadline, however we plan to submit it on time with the help from Blackwater Engineers.

Lake Tulloch Intertie – The 90% design has been completed. Mozingo Construction is conducting potholing, and final 100% drawings and specifications are expected by the end of October.

AMI / Smart PRV & Hydrant Monitoring – Cla-Val is manufacturing 60 new smart PRV valves for the District, with delivery scheduled for October. This purchase is being funded with remaining USDA grant funds from the AMI Project.

Huckleberry Lift Station – The 100% design is complete. Construction will proceed once funding becomes available. Staff will also complete CEQA documentation under a categorical exemption.

La Contenta Wastewater Treatment Plant – Staff has provided comments on the 90% plans and specifications. Environmental studies will be required prior to construction and will likely be completed in conjunction with a grant application.

Sawmill/Wallace Tank Replacement Project – Plans are at 100%, and staff anticipates advertising the project within the next few months. SPI is currently completing tree clearing at the project site. The District is also working with SPI on additional property acquisition to support the project.

DEVELOPMENT UPDATES

LGI / North Vista Plaza – The developer has hired a contractor for site work. CCWD staff will meet with LGI to review the Development Agreement, which has expired and requires updates to reflect scope changes.

CV Development – No updates at this time. The developer is continuing work on forming a CFD to finance required infrastructure improvements.

Jenny Lind Elementary School Force Main – The project has been advertised for bid, with T&S Construction identified as the low bidder. T&S is currently working on CCWD's Copper Clearwell and B Tank Project. CUSD has submitted CCWD's construction oversight proposal to the State Water Board for approval. Upon approval, CUSD will draft a new MOU with CCWD. Construction is anticipated to begin in 6–12 months, depending on final approval timelines.