



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
Tuesday, October 29, 2024
2:00 p.m.

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

Board Chambers are open to the public and the following alternative is available to members of the public who wish to participate in the meeting virtually:

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District Board Meetings are open to in-person attendance by the public and are conducted virtually. The public may participate in the District's Board meeting with the link below. Members of the public who participate in the meeting via teleconference or web conference will be given the opportunity to speak and address the Board, and their comments will be included in the recording of the meeting.

While the District makes efforts to facilitate remote participation, please be aware that remote Teams involvement is offered solely for convenience. In the event of a technological malfunction, the Board can only guarantee the receipt of live comments through in-person attendance. The Board retains the right to proceed with the meeting without remote access in case of a malfunction.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 209-754-3028. Notification in advance of the meeting will enable CCWD 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 CCWD for review by the public.

COMMITTEE MEMBERS

Jeff Davidson, Director

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 September 10, 2024
4. **NEW BUSINESS**
 - 4a Grant Pursuits Update
(Denise Landstedt, Landstedt Consulting &
Mark Rincon-Ibarra, District Engineer)
 - 4c West Point Drought Water Supply Update CIP 11129
(Kevin Williams, Senior Civil Engineer)
5. **OLD BUSINESS**
 - 5a Capital Improvement Updates
(Sam Singh, Senior Engineering Technician)
 - 5b Other Updates
(Engineering Department)
- 6.* **GENERAL MANAGER COMMENTS**
- 7.* **DIRECTOR COMMENTS OR FUTURE AGENDA ITEMS**
8. **NEXT COMMITTEE MEETING:** January 7, 2025
9. **ADJOURNMENT**



CALAVERAS COUNTY WATER DISTRICT SPECIAL ENGINEERING COMMITTEE

MINUTES
September 10, 2024

Directors/Committee Members present:

Russ Thomas
Jeff Davidson

Staff present:

Michael Minkler	General Manager
Mark Rincon-Ibarra	District Engineer
Kevin Williams	Senior Civil Engineer
Sam Singh	Senior Engineering Technician
Jared Gravette	Senior Supervisor Construction Inspection
Juan Maya	Civil Engineer
Haley Airola	Engineering Coordinator
Damon Wyckoff	Director of Operations
Kelly Gerkenmeyer	External Affairs Manager*
Pat Burkhardt	Construction/Maintenance Manger*
Kate Jesus	Human Resources Technician*
Rebecca Hitchcock	Executive Assistance/Clerk to the board*
Jess Hampton	Plant Operations Manager*
Jason Knick	Construction Inspector
Jeff Meyer	Director of Administrative Services*
Bana Rousan-Gedese	Water Resource Specialist*
Michael Bear	Accountant II*
Corrine Skrbina	Senior Customer Service Representative
Kelly Richards	Business Services Manager*

Others present:

Jeff Black	Black Water Consulting*
Francisco de la Cruz	Member of the Public
Patrick Roy	Member of the Public*
Mike Fletcher	Member of the Public*
Kaylynn McDaniels	Member of the Public*
Ralph Copeland	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 Comments from the Public

3. APPROVAL OF MINUTES

The July 2, 2024, minutes were approved by a motion from Director Thomas and seconded by Director Davidson.

4. NEW BUSINESS

4a Sawmill Tank Replacement Design Services Amendment with Wallace Tank (Kevin Williams, Senior Civil Engineer)

DISCUSSION: Kevin Williams presented on the amendment request for the Wallace Tank contract with Black Water Consulting. Item motioned to move to the Board for approval. Questions from the Committee were answered directly by Kevin Williams, Sam Singh and Jeff Black.

PUBLIC COMMENT: Public Comment was given by Francisco de la Cruz and Pat Roy.

4b Copper Valley Development Project Update (Sam Singh, Senior Engineering Technician)

DISCUSSION: Sam Singh provided an update on the progress of the developer's infrastructure and future proposals. All questions from the Committee were answered directly by Sam Singh.

PUBLIC COMMENT: Public Comment was given by Ralph Copeland.

4c Water & Sewer Ordinance Overview (Mark Rincon-Ibarra, District Engineer)

DISCUSSION: Mark Rincon-Ibarra provided a status report on updating the Water and Sewer Ordinances. All questions from the Committee were answered directly by Mark Rincon-Ibarra.

PUBLIC COMMENT: Public comments were given by Francisco de la Cruz and Patrick Roy.

5. **OLD BUSINESS**

5a **Capital Improvement Updates
(Juan Maya, Associate Civil Engineer)**

DISCUSSION: Juan Maya provided updates on projects in the construction and design phases. Any questions from the Committee were answered by the department.

PUBLIC COMMENT: No Public comment was given

5b **Other Updates
(Engineering Department)**

DISCUSSION: The engineering department provided updates on other projects including developer driven projects. Any questions from the Committee were answered by the department.

PUBLIC COMMENT: No Public comment was given.

6. **GENERAL MANAGER COMMENTS**

Michael Minkler will agendize the Chevron Determinations for a future meeting.

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

8. **NEXT COMMITTEE MEETING**

Rescheduled to October 29, 2024

9. **ADJOURNMENT**

There being no further business, the meeting adjourned at approximately 3:35 p.m.

Respectfully submitted,

Haley Airola _____

Haley Airola
Engineering Coordinator

Agenda Item

DATE: October 29, 2024

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

FROM: Mark Rincon-Ibarra, District Engineer

RE: Grant Pursuits Update

SUMMARY

This grant pursuit program supports the Fiscal Responsibility Objective FR-2, creating alternative funding and financing through grants and partnerships to execute our CIP for short, mid- and long-term investments.

CCWD's grant consultant, Landstedt Consulting (consultant), continues to review and present grant opportunities to Engineering staff, and match them to possible projects listed in our Capital Improvement Program. Staff review the funding opportunities highlighted and recommends projects to be given further consideration. The consultant will generate a Go/No-Go Assessment tailored to each specific funding opportunity. A decision to apply for funding will require both a thorough understanding of the project and analysis of the funding opportunity to identify project eligibility, competitiveness, timing, funding amount, and other considerations before deciding to apply.

The Go/No-Go Assessment uses a pre-application questionnaire as a guide in consideration of CCWD objectives and priorities, eligibility, competitiveness, funding amount per award, funding schedule compared to project timing, application content, etc. to decide whether to pursue the funding opportunity.

Attached is a summary of recent grant pursuits.

FINANCIAL CONSIDERATIONS

No further financial data to report.

Attachments:

1) *Summary of Grant Applications – Capital Improvement Program*

6-Year Summary of Grant Applications Capital Improvement Program

Project	CIP #	Grant Award	Estimated Total Project Costs	Source	Submission year	Status
Timber Trails & Pump Station Rehab	11135		\$2,000,000	USBR	2024	Application Submitted
Arnold Wastewater - Secondary Clarifier	15095		\$9,200,000	CWSRF	2024	Application Submitted
West Point Consolidation	15091	\$9,930,000	\$10,000,000	State Water Board	2023	Awarded
West Point Water Supply Drought	11129	\$4,756,000	\$8,000,000	Cal-OES/FEMA	2023	Awarded; Phase I Approved
Copper Cove Tertiary Treatment Plant Upgrade	15094	\$13,200,000	\$17,500,000	USACE	2021	Awarded
Hunters Raw Water Pumps	11103	\$2,700,000	\$2,700,000	Cal-OES/FEMA	2021	Awarded; Phase II Approved
West Point Backup Filter	11106	\$556,447	\$2,380,000	DWR/IRWM	2020	Awarded; Grant termed March 2024
Jenny Lind WTP Pretreat	11092	\$3,400,000	\$4,550,000	Cal-OES/FEMA	2019	Completed
Ebbetts Pass Redwood Tanks	11095	\$2,800,000	\$4,300,000	Cal-OES/FEMA	2018	Yes, Pending Final Disbursement
Ebbetts Pass Reach 3A	11078	\$4,500,000	\$5,500,000	USDA	2018	Completed



FUNDING RESEARCH AND APPLICATIONS

CALAVERAS COUNTY WATER DISTRICT
ENGINEERING COMMITTEE MEETING
OCTOBER 29, 2024

LANDSTEDT CONSULTING

Professional Services in Water Resources and Grant Administration – Acquisition and Management

FUNDING RESEARCH ACTIVITY

- **2024 REPORTING**
 - Initial Report – May 2024
 - Bi-Monthly Reports – July 2024 and September 2024
 - Next Report – November 2024
- **RESEARCH FUNDING OPPORTUNITIES**
 - Potential funding opportunities matched to CCWD priority projects or of a general nature that may support other CCWD projects
 - Tracking 18 Projects
 - Tracking ~ 65 grants and low-interest loans - local, state, federal
 - 14 opportunities with potential project matches
 - Matches range from 2-12 per Project - Current (due dates), Continuous, and Inactive (monitoring); includes preliminary analysis priority – High, Medium, Low – for competitiveness screening
 - Go/No Go Assessment Determination

GO/NO GO ASSESSMENTS

- **TAILORED TO EACH SPECIFIC FUNDING OPPORTUNITY - UTILIZES A PRE-APPLICATION QUESTIONNAIRE AS A GUIDE TO CONSIDER:**
 - CCWD Objectives and Priorities – Project Eligibility – Competitiveness – Timing – Available Funding – Funding Schedule – Other Considerations
- **PREPARED FOUR (4) GO/NO GO ASSESSMENTS**
 - June 23 – USEPA 2024 Clean Heavy-Duty Vehicles Grant Program – **GO**, Operations Staff to apply by July 25
 - June 25 – CA DWR Dam Safety and Climate Resilience Local Assistance Program - **No Go**, Ineligible Projects
 - August 11 – USBR WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2025 Program – **No Go**, not sufficiently competitive
 - September 3 – Funding Alert – USBR WaterSMART Drought Response Program: Drought Resiliency Projects For FY 2025 – **GO**, Landstedt Consulting prepared and submitted an application by October 4

FUNDING APPLICATION

- **USBR WATERSMART DROUGHT RESPONSE PROGRAM: DROUGHT RESILIENCY PROJECTS FY 2025**
 - **Project: Timber Trails Tank and Pump Station** – demolish/remove an existing 52,800-gallon redwood tank built in 1970, construct a new, upsized 120,000-gallon, fire-resistant steel potable water storage tank, and construct a new pump station to serve the tank
 - **Benefits:** Increased reliability, Prevention of water loss, Increased pumping capacity/improved water management and fire flows, Energy and carbon emissions savings, Reduced Disinfection By-Products in drinking water supply
 - **Total Project Costs:** \$3,871,861 with a 50% Cost Share
 - **Funding Request:** \$1,935,930
 - **Key Dates:**
 - Application Submitted: October 4, 2024
 - USBR Notification: February 2025
 - Award Agreement: September 2025
 - Project Completion: March 2028



BI-MONTHLY FUNDING RESEARCH REPORTS AND FUNDING ALERTS

- Next Bi-Monthly Report In November 2024
- Funding Alerts: Time sensitive opportunities provided through a Funding Alert Email with sufficient funding detail to determine if the opportunity should be considered further
- Prepare Go/No Go Assessments as desired
- Continue work to make projects ready to proceed



LANDSTEDT CONSULTING

Professional Services in Water Resources and Grant Administration – Acquisition and Management



Agenda Item

DATE: October 29, 2024

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

FROM: Kevin Williams, Senior Civil Engineer

RE: West Point Water Supply Drought – Phase 1., West Point Regulating Reservoir Dam Raise

SUMMARY:

The West Point Regulating Reservoir was originally constructed in 1964. The reservoir dam is approximately 35 feet high and 500 feet long with a current capacity of 50 Acre-Feet. Anything less than an above average water year the year-around storage capacity from Bear Creek does not meet demands. The District is currently permitted to divert up to 4 CFS from Bear Creek and store up to 150 acre-feet of Water. The Proposed Project would increase storage capacity to 150 Acre-Feet by raising and extending the dam and enlarging the reservoir.

This project would also reduce the reliance on water deliveries from CPUD through the Middle Fork and Acorn Pump Station. Both existing pump stations have substantial operational challenges that would otherwise have to be addressed if this West Point Regulating Reservoir Project is not completed.

The District was recently awarded a Cal-OES/FEMA Hazard Mitigation Grant to increase the capacity of the West Point Regulating Reservoir. This project was removed from the CIP because the District did not have sufficient funds to construct the Project.

Phase 1 (Design, Permitting and Environmental's) has been authorized by Cal-OES in the amount of \$479,157 with 10% required match from the District. Unfortunately, the authorized amount is not enough to complete the Phase 1 required task. Staff reached out to Cal-OES and we were reassured that once we receive design proposals the District will be able to request additional funding to be allocated to Phase 1 activities. Work would still have to continue on the Design while we are waiting for final approval from Cal-OES/FEMA. If an increase in funds is not allocated to Phase 1 then the District would be responsible for the overmatch in cost.

The current overall grant funding has an estimated shortfall of approximately \$3 Million based on an updated preliminary cost estimate of \$7.8 Million. The current estimate assumes earthwork quantities in the 2018 West Point Master Plan are correct and that

most onsite excavated materials will be suitable for dam embankment. More accurate estimates will be completed with the 30% and 60% design submittals. An additional funding request would be submitted at one of these milestones to secure the funding shortfalls. A Benefit Cost Analysis (BCA) may need to be completed to show the Project is still considered cost effective at a higher project cost. Funding for the Construction Phase (Phase 2) is contingent on FEMA programmatic review and Environmental and Historical Preservation (EHP) approval. Construction cannot commence until we receive Phase 2 approval.

The Project has an extremely aggressive schedule which is driven by the grant requirements of being able to complete both Phase 1 (Design) and Phase 2 (Construction) within 36 months. Multiple deliverables are due within the next five months which include environmental review of acceptable import borrow site and DSOD Dam fees that are approximately 3% of total project cost.

Staff has issued a Request for Proposals (RFP) for Engineering and Environmental Services for this Project. Staff is looking for recommendations from the Engineering committee to move forward with this Grant Funded Project and bring the Proposals to the full board for approval after the due date of November 27th.

Financial Considerations

The Project is not currently in the Capital Improvement Program. The District will have to allocate R&R Funds to this Project to cover the 10% match and overmatch for cost more than the allocated monies by Cal-OES. Cal-OES currently has \$22 Million in excess funds for this Disaster Declaration that can be used to fund cost overruns on Projects. Additional funding requires further analysis by FEMA and a BCA that shows the Project is still considered cost-effective. If additional funding is not authorized, the District could be responsible for an additional estimated \$3 million. If Phase 1 grant money is spent and the District decides not to complete construction, FEMA could de-obligate already spent Phase 1 funds.



FEMA

September 12, 2024

Robyn Fennig
Assistant Director Hazard Mitigation
Governor's Authorized Representative
California Offices of Emergency Services
3650 Schriever Avenue
Mather, CA 95655

Reference: Application Approval, HMGP DR-4482-601-76R
Calaveras County Water District
Calaveras County Water District West Point Water Supply Drought, Phase 1
FIPS Code: 009-U6GKO, Supplement 51

Dear Robyn Fennig:

We approve and issue Hazard Mitigation Grant Program (HMGP) funds for the Calaveras County Water District, DR-4482-601-76R, Calaveras County Water District West Point Water Supply Drought, Phase 1.

The total project cost for phase one is \$456,340.00. As shown in the enclosed Obligation Report - Supplement 51, we are obligating \$410,706.00 for the 90 percent Federal share; the 10 percent non-Federal share is \$45,634. We are obligating \$22,817.00 for the 100% Federal share Subrecipient Management Costs. These funds are available in SmartLink for immediate and eligible disbursements. The following is a summary of the approved funding:

Project Phase:	Federal Share:	Non-Federal Share:	Total Project Cost:
Phase 1, Supplement 51	\$410,706.00	\$45,634	\$456,340.00
Phase 1, Management Costs	\$22,817.00	\$0.00	\$22,817.00

This HMGP project approval and obligation of funds are subject to the following conditions:

Scope of Work (SOW) – Phase 1, activities include the development of detailed engineering drawings and specifications for raising and enlarging the West Point regulating reservoir. CCWD will conduct topographic mapping and land surveying, geotechnical studies, perform biological, cultural resources, and historic properties surveys, finalize environmental efforts (CEQA), and obtain all necessary streambed and permits from Division of Safety of Dams (DSOD), California Department of Fish and Wildlife, and the U.S. Army Corps of Engineers. Ground disturbing activities will include fifteen (15) geotechnical borings that measure 4 inches to 6 inches in diameter and 30 to 60 feet deep.

Six (6) bore holes will be spaced along the crest of the dam; six (6) will be spaced below the toe of slope of the dam; and three (3) will be placed approximately 1.75 miles to the southwest of the dam location. Bore holes will be backfilled with bentonite chips or cement slurry. All ground disturbance will be conducted in previously disturbed areas. There will be no additional ground disturbing activities or alterations to existing structures; if the project scope of work changes to include these actions, additional environmental review will be required.

The following Phase 1 activities and deliverables are expected:

Phase 1 Activity	Estimated Timeline
Pre-Application /Environmental Studies	Pre-Award
Engineering/Design Contract	3 Months
Design/Engineering Plans-30% and 60% Design Level Plans and Specifications	9 Months
Topographic Mapping/Land Survey	3 Months
Native Tree Survey	3 Months
Geotechnical Studies & Borrow Site	6 Months
Environmental Review of Borrow Site	6 Months
Surface Hydrology Analysis	6 Months
DSOD Permit Application & Fee	6 months
Section 404/401 and 1602 Permits & Fees	6 months
Prepare & Adopt Environmental Document	6 months

Please provide the above-referenced deliverables once completed to the assigned FEMA Hazard Mitigation Assistant (HMA) Specialist for review and inclusion within the official grant file.

- 1. Phase 1 Completion Date** – The work schedule included with the project application indicates that Phase 1 will take 14 months to complete; therefore, the Phase 1 completion date is November 12, 2025. All Phase 1 project deliverables must be submitted to the assigned FEMA HMA Specialist by the Phase 1 completion date. Please inform the sub-recipient that work completed after this date is not eligible for federal funding, and that federal funds may be de-obligated for work completed outside the completion date when there is no approved time extension.
- 2. Phase 2 Approval** – Please inform the sub-recipient that Phase 2 approval is contingent on programmatic review and Environmental and Historical Preservation (EHP) approval. Phase 2 activities may not commence until written approval has been received. Any Phase 2 activities completed prior to approval may be de-obligated. In addition, if Phase 2 is unapproved, federal funds may be de-obligated for previously completed Phase 1 activities.
- 3. Record of Environmental Considerations (REC)** – Phase 1 of this project has been determined to be Categorical Excluded from the need to prepare either an Environmental Impact Statement or Environmental Assessment in accordance with FEMA Instruction 108-1-1 and FEMA Directive 108-1-1 as authorized by DHS Instruction Manual 023-01-001- 01, Revision 1. Categorical Exclusion A4 (information gathering, data analysis and processing,

information dissemination, review, interpretation, and development of documents) has been applied. Particular attention should be given to the project conditions before and during project implementation. Failure to comply with these conditions may jeopardize federal assistance, including funding.

- 4. Standard Conditions** – This project approval is subject to the enclosed *Standard Mitigation Grant Program (HMGP) Conditions*, amended August 2018. Please note that federal funds may be de-obligated for work that does not comply with these conditions.

If you have any questions please contact Andrea Harvey, Sr. Grants Management Specialist by email at andrea.harvey@fema.dhs.gov or phone (202) 430-4878.

Sincerely,

Kathryn Lipiecki
Director, Mitigation Division
FEMA Region 9

Enclosures (3):

Obligation Report - Supplement 51
Record of Environmental Considerations (REC)
Standard Mitigation Grant (HMGP) Conditions

CC: Melissa Boudrye: Resilience Branch Chief, California Governor's Office of Emergency Services
Concepcion Chavez: Technical Assistance Division Chief, California Governor's Office of Emergency Services
Ron Miller: Hazard Mitigation Assistance Branch Chief, California Governor's Office of Emergency Services
Joe Purvis: HM Grants Division Chief, California Governor's Office of Emergency Services
Ryan Massello: HM Quality Assurance Division Chief, California Governor's Office of Emergency Services
Robert McCord, Chief, Hazard Mitigation Assistance Branch, FEMA Region 9

FEDERAL EMERGENCY MANAGEMENT AGENCY
HAZARD MITIGATION GRANT PROGRAM

Obligation

Disaster No	FEMA Project No	Amendment No	State Application ID	Action No	Supplemental No	State	Recipient
4482	76 -R	0	601	1	51	CA	Statewide

Subrecipient: CALAVERAS COUNTY WATER DISTRICT
Subrecipient FIPS Code: 009-U6GKO

Project Title : Calaveras County Water District West Point Water Supply Drought Resiliency Pro

Total Amount Previously Allocated	Total Amount Previously Obligated	Total Amount Pending Obligation	Total Amount Available for New Obligation
\$410,706.00	\$410,706.00	\$0.00	\$0.00

Project Amount	Subrecipient Management Cost Amount	Total Obligation	IFMIS Date	IFMIS Status	FY
\$410,706.00	\$22,817.00	\$433,523.00	07/29/2024	Accept	2024

Comments

Date: 07/29/2024 User Id: SSCOTT39

Comment: Approved funding for HMGP 4482-601-76R- Calaveras County Water District West Point Water Supply Drought Resiliency Pro for \$410,706.00 Federal Share and \$22,817.00 Sub Recipient Management Costs.

Authorization

Preparer Name: STEVEN SCOTT

Preparation Date: 07/29/2024

HMO Authorization Name: ANDREA HARVEY

HMO Authorization Date: 07/29/2024

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: HMGP-4482-0001-CA (4482-601-076) (1)

Title: CCWD West Point Water Supply Drought Resiliency Project (Phase 1)

NEPA DETERMINATION

Non Compliant Flag: No EA Draft Date: EA Final Date:
 EA Public Notice Date: EA Fonsi Date: Level: CATEX
 EIS Notice of Intent Date: EIS ROD Date:

Comments: Calaveras County Water District (CCWD) proposes to increase the size and capacity of the West Point regulating reservoir, which is the community’s raw water storage reservoir in Calaveras County, California (38.410782, -120.505722). This review covers Phase 1 actions only, consisting of design, permitting and environmental approvals. CCWD will conduct topographic mapping, land surveying and geotechnical studies to develop detailed engineering drawings and specifications, and will perform biological, cultural resources, and historic properties survey to finalize environmental efforts (CEQA) and obtain all necessary permits. Ground disturbing activities will include fifteen (15) geotechnical borings that measure 4 inches to 6 inches in diameter and 30 to 60 feet deep. Six (6) bore holes will be spaced along the crest of the dam; six (6) will be spaced below the toe of slope of the dam; and three (3) will be placed approximately 1.75 miles to the southwest of the dam location (38.395057, -120.532260), in a former leach field that may be used as a borrow site for fill material for Phase 2 of the project. Bore holes will be backfilled with bentonite chips or cement slurry. All ground disturbance will be conducted in previously disturbed areas. There will be no additional ground disturbing activities or alterations to existing structures; if the project scope of work changes to include these actions, additional environmental review will be required. This project has been determined to be Categorically Excluded from the need to prepare either an Environmental Impact Statement or Environmental Assessment in accordance with FEMA Instruction 108-1-1 and FEMA Directive 108-1-1 as authorized by DHS Instruction Manual 023-01-001-01, Revision 1. Categorical Exclusion A4 (Information gathering, data analysis and processing, information dissemination, review, interpretation, and development of documents) and A7 (the commitment of resources, personnel, and funding to conduct audits, surveys, and data collection of a minimally intrusive nature) has been applied. Particular attention should be given to the project conditions before and during project implementation. Failure to comply with these conditions may jeopardize federal assistance including funding. - tyoung49 - 07/17/2024 18:46:30 GMT

CATEX CATEGORIES

Catex Category Code	Description	Selected
a4	(a4) Information gathering, data analysis and processing, information dissemination, review, interpretation, and development of documents. If any of these activities result in proposals for further action, those proposals must be covered by an appropriate CATEX. Examples include but are not limited to: (a) Document mailings, publication and distribution, training and information programs, historical and cultural demonstrations, and public affairs actions. (b) Studies, reports, proposals, analyses, literature reviews; computer modeling; and non-intrusive intelligence gathering activities.	Yes
a7	(a7) The commitment of resources, personnel, and funding to conduct audits, surveys, and data collection of a minimally intrusive nature. If any of these commitments result in proposals for further action, those proposals must be covered by an appropriate CATEX. Examples include, but are not limited to: (a) Activities designed to support the improvement or upgrade management of natural resources, such as surveys for threatened and endangered species, wildlife and wildlife habitat, historic properties, and archeological sites; wetland delineations; timber stand examination; minimal water, air, waste, material and soil sampling; audits, photography, and interpretation. (b) Minimally-intrusive geological, geophysical, and geo-technical activities, including mapping and engineering surveys. (c) Conducting Facility Audits, Environmental Site Assessments and Environmental Baseline Surveys, and (d) Vulnerability, risk, and structural integrity assessments of infrastructure.	Yes

EXTRAORDINARY CIRCUMSTANCES

Extraordinary Circumstance Code	Description	Selected ?
	No Extraordinary Circumstances were selected	

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: HMGP-4482-0001-CA (4482-601-076) (1)

Title: CCWD West Point Water Supply Drought Resiliency Project (Phase 1)

ENVIRONMENTAL LAW / EXECUTIVE ORDER

Environmental Law/ Executive Order	Status	Description	Comments
Clean Air Act (CAA)	Completed	Project is located in a non-attainment area	The project is in Calaveras County that is within a nonattainment area for 8-Hour Ozone (2008, 2015) according to the U.S. Environmental Protection Agency (USEPA). Based on the scope of work, the potential emissions from project activities are clearly below "de minimis" thresholds for the General Conformity Rule. Thus, the project is exempt from a conformity determination. See Condition. - tyoun9 - 07/17/2024 18:32:17 GMT
	Completed	Coordination required with applicable state administering agency - Review concluded	
Coastal Barrier Resources Act (CBRA)	Completed	Project is not on or connected to CBRA Unit or otherwise protected area - Review concluded	
Clean Water Act (CWA)	Completed	Project would not affect any water of the U.S. - Review concluded	
Coastal Zone Management Act (CZMA)	Completed	Project is not located in a coastal zone area and does not affect a coastal zone area - Review concluded	
Executive Order 11988 - Floodplains	Completed	No effect on floodplain/flood levels and project outside floodplain - Review concluded	Project is Phase 1 planning, geotechnical coring within previously disturbed ground which does not involve potential impacts to the floodplain. See Attached Map. - tyoun9 - 07/17/2024 18:36:09 GMT
Executive Order 11990 - Wetlands	Completed	No effects on wetlands and project outside wetlands - Review concluded	Per the U.S. Fish and Wildlife Service Wetland Mapper viewed on 11/01/2023, the project is directly adjacent to a designated wetland, but the proposed action is not likely to result in any potential direct impacts that will adversely affect the natural values and function of wetlands. See attached map. - tyoun9 - 07/17/2024 18:40:34 GMT
Executive Order 12898 - Environmental Justice for Low Income and Minority Populations	Completed	No Low income or minority population in, near or affected by the project - Review concluded	This project has been determined to have limited or no potential to adversely affect minority or low-income populations according to Exemption VI.f (Geotechnical boring) and VI.h (Planning related activities) in Step 1 of the EO 12898 Interim Guidance, dated September 2023. FEMA has no further EO 12898 responsibilities with regard to these activities. - tyoun9 - 07/17/2024 18:43:50 GMT
Endangered Species Act (ESA)	Completed	Listed species and/or designated critical habitat present in areas affected directly or indirectly by the federal action	A No Effect Memorandum has been prepared as it has been determined that the proposed actions would result in No Effect to federally listed species or designated critical habitat. Consultation with the US Fish and Wildlife Service and/or the National Marine Fisheries Service is not required. See attached No Effect Memorandum. - tyoun9 - 07/17/2024 18:27:57 GMT

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: HMGP-4482-0001-CA (4482-601-076) (1)

Title: CCWD West Point Water Supply Drought Resiliency Project (Phase 1)

Environmental Law/ Executive Order	Status	Description	Comments
	Completed	No effect to species or designated critical habitat (See comments for justification) - Review concluded	
Farmland Protection Policy Act (FPPA)	Completed	Project does not affect designated prime or unique farmland - Review concluded	
Fish and Wildlife Coordination Act (FWCA)	Completed	Project does not affect, control, or modify a waterway/body of water - Review concluded	
Migratory Bird Treaty Act (MBTA)	Completed	Project located within a flyway zone	
	Completed	Project does not have potential to take migratory birds - Review concluded	
Magnuson-Stevens Fishery Conservation and Management Act (MSA)	Completed	Project not located in or near Essential Fish Habitat - Review concluded	
National Historic Preservation Act (NHPA)	Completed	Applicable executed Programmatic Agreement (enter date in comments).	FEMA consulted with the State Historic Preservation Officer (SHPO) on March 20, 2024 and made a finding of no adverse effect to historic properties in accordance with Stipulation II.C of the Programmatic Agreement among the Federal Emergency Management Agency (FEMA), the California State Historic Preservation Officer (SHPO), and the California Governor's Office of Emergency Services, signed October 29, 2019. SHPO had no objection to FEMA's finding by letter dated May 6, 2024. See attached. - tyoun949 - 07/17/2024 18:23:38 GMT
	Completed	Building or structure 50 years or older or listed on the National Register in the project area and activity not exempt from review	
	Completed	Determination of Historic Properties Affected (FEMA finding/SHPO/THPO concurrence attached)	
	Completed	No Adverse Effect Determination (FEMA finding/SHPO/THPO concurrence attached) - Review concluded	
	Completed	Project affects only previously disturbed ground - Review concluded	
Wild and Scenic Rivers Act (WSR)	Completed	Project is not along and does not affect Wild and Scenic River - Review concluded	

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: HMGP-4482-0001-CA (4482-601-076) (1)

Title: CCWD West Point Water Supply Drought Resiliency Project (Phase 1)

CONDITIONS

Special Conditions required on implementation of Projects:

The Subapplicant is responsible for complying with all applicable subparts of the Clean Air Act. Copies of any permits/authorizations, or consultation documentation must be forwarded to FEMA for inclusion in the administrative record. Failure to comply with these conditions may jeopardize the receipt of federal funding.

Source of condition: Clean Air Act (CAA)

Monitoring Required: No

Standard Conditions:

Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.

This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.

If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.

Standard Mitigation Grant Program (HMGP) Conditions

FEMA Region IX, August, 2018

The following list applies to Recipients and Subrecipients accepting HMGP funds from the Federal Emergency Management Agency (FEMA) of the Department of Homeland Security (DHS):

1. **Applicable Federal, State, and Local Laws and Regulations.** The Recipient/Subrecipient must comply with all applicable Federal, State, and Local laws and regulations, regardless of whether they are on this list or other project documents. DHS financial assistance Recipients and Subrecipients are required to follow the provisions of the State HMGP Administrative Plan, applicable Hazard Mitigation Assistance Uniform Guidance, and Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards located in Title 2 of the Code of Federal Regulations (CFR) Part 200, adopted by DHS in 2 CFR 3002.
2. **Financial Management Systems.** The Recipient and Subrecipient must maintain financial management systems to account for and track funds, as referenced in 2 CFR 200.302.
3. **Match or Cost Share.** Non-federal match or cost share must comply with 2 CFR 200.306, the scope of work (SOW), and any agreements among the Subrecipient, the Recipient, and FEMA.
4. **Budget Changes.** Unanticipated adjustments are permitted within the approved total cost. However, if costs exceed the federal share, the Subrecipient must notify the Governor's Authorized Representative (GAR) of overruns before implementation. The GAR shall submit a written request for approval to FEMA Region IX. The subaward must continue to meet HMGP requirements, including cost effectiveness and cost share. Refer to 2 CFR 200.308 for additional information.
5. **Real Property and Land.** The acquisition, use, and disposition must comply with 2 CFR 200.311.
6. **Equipment.** The acquisition, use, and disposition must comply with 2 CFR 200.313.
7. **Supplies.** Upon project completion, FEMA must be compensated for unused supplies, exceeding \$5,000 (fair market value), and not needed for other federal programs. Refer to 2 CFR 200.314.
8. **Procurement.** Procurement procedures must be in conformance with 2 CFR 200.318-320.
9. **Monitoring and Reporting Program Performance.** The Recipient and Subrecipient must submit quarterly progress reports, as referenced in the 2 CFR 200.328 and State HMGP Administrative Plan.
10. **Records Retention.** In accordance with 2 CFR 200.333, financial/ programmatic records related to expenditures must be maintained at least 3 years after the date of Recipient's final expenditure report.
11. **Enforcement and Termination.** If the Recipient or Subrecipient fails to comply with the award or subaward terms, whether stated in a Federal statute or regulation, the State HMGP Administrative Plan, subapplication, a notice of award, an assurance, or elsewhere, FEMA may take one or more of the actions outlined in 2 CFR 200.338, including termination or partial termination of the award or subaward outlined in 2 CFR 200.339.
12. **Allowable Costs.** Funds are to be used for allowable costs in compliance with 2 CFR 200.403, the approved SOW, and any agreements among the Subrecipient, Recipient, and FEMA.

13. **Non-Federal Audit.** The Recipient and Subrecipient are responsible for obtaining audits in accordance with the Single Audit Act of 1984, in compliance with 2 CFR 200.501.
14. **Debarred and Suspended Parties.** Recipients and Subrecipients are subject to the non-procurement debarment and suspension regulations implementing Executive Orders 12549 and 12689, and 2 CFR 180. These regulations restrict federal financial assistance awards, subawards, and contracts with parties that are debarred, suspended, or otherwise excluded from or ineligible for participation in the federal assistance programs or activities.
15. **Equipment Rates.** Rates claimed for use of Subrecipient-owned equipment in excess of the FEMA-approved rates must be approved under State guidelines issued by the State Comptroller's Office or must be certified by the Recipient to include only those costs attributable to equipment usage less any fixed overhead and/or profit.
16. **Duplication of Funding between Public Assistance (PA) and HMGP.** Funding for PA Section 406 and HMGP Section 404 are permitted on the same facility/location, but the activities identified under each program must be distinct with separately accounted funds. At closeout, FEMA may adjust the funding to ensure the Subrecipient was reimbursed for eligible work from only one funding source.
17. **Historic Properties and Cultural Resources.** In compliance with 2 CFR 800, if a potential historic property or cultural resource is discovered during construction, the Subrecipient must cease work in the area and take all reasonable measures to avoid or minimize harm to the discovered property/resource. During construction, the Subrecipient will monitor ground disturbance activity, and if any potential archeological resources are discovered, will immediately cease work in that area, and notify the Recipient and FEMA. Construction in the area may resume with FEMA's written approval after FEMA's consultation, if applicable, with the State Historic Preservation Officer (SHPO).
18. **NEPA and Changes to the Scope of Work (SOW).** To comply with the National Environmental Policy Act (NEPA), and other Laws and Executive Orders, any change to the approved SOW shall be re-evaluated before implementation. Construction associated with a SOW change, prior to FEMA approval, may be ineligible for funding. Acceptance of federal funding requires environmental permits and clearances in compliance with all appropriate federal, state and local laws, and failure to comply may jeopardize funding.

Within their authority, the Recipient and Subrecipient must use of all practicable means, consistent with other essential policies, to create and maintain productive harmony for people and nature, and fulfill the social, economic, and other needs of present and future generations of Americans.



CALAVERAS COUNTY WATER DISTRICT

120 Toma Court

San Andreas, CA 95249

(209) 754-3543

REQUEST FOR PROPOSAL

Design, Engineering and Environmental Services for
CalOES/FEMA Hazard Mitigation Grant Program Project
West Point Water Supply Drought Project
Issued: October 25, 2024

INTRODUCTION/PROJECT BACKGROUND

Calaveras County Water District (CCWD) owns and operates the West Point Water System which provides potable water to approximately 600 Residential and Commercial Customers. The West Point Regulating Reservoir (also known as Bummerville Reservoir) is the only storage pond for the West Point Water System. Raw water flows by gravity from Bear Creek into the West Point Regulating Reservoir. During drought periods the year around storage of water in the Regulating Reservoir does not meet water demands, as a result the District has to purchase water from the Mokelumne River. This Proposed Project increases the storage capacity of the Regulating Reservoir from 50 AF to approximately 150 AF, thereby reducing the dependance on outside water. The District has secured grant funding for this Project from FEMA/Cal-OES to complete Phase 1 which includes 60% Engineering Design and Environmental Studies. Phase 2 Final Engineering Design and Construction funding approval is contingent on programmatic review and Environmental and Historic Preservation (EHP) approval. There are numerous FEMA Federal Contracting requirements that will be part of the selection process and final agreements to provide services, all subconsultants will be required to meet the same requirements as the selected consultant.

SCOPE OF WORK

The Scope of work includes the development of detailed engineering drawings and specifications for raising and enlarging the West Point Regulating Reservoir. Work activities include topographic mapping and land surveying; geotechnical studies; analysis and permitting of import borrow sites; surface hydrology analysis; performing biological studies, cultural resources, and historic properties surveys; stormwater pollution prevention plans; finalize environmental efforts (CEQA); documentation for (NEPA) review; tree surveys; monitoring and pre-construction surveys; dewatering and interim water supply plans; and preparing and submitting permit applications for Army Corp Engineers (404), Water Board (401), Department of Fish and Wildlife (1600) and Division of Safety of Dams. The Geotechnical Borings required to complete the Phase 1 Engineering Design are determined to be Categorical Excluded from the need to prepare either an Environmental Impact Statement or Environmental Assessment in accordance with FEMA. Construction Survey and Engineering Services during construction will also be required upon approval of the Phase 2 Portion of the Project.

Upon completion of the work required to comply with the California Environmental Quality Act (CEQA) the consultant shall substantiate the CEQA determination. The District anticipates that this Project will fall within the category of Mitigated Negative Declaration (MND). The Draft CEQA document will be issued, and final version amended in response to Public Comment. In accordance with Assembly Bill AB52, the Consultant will need to assist the District in notification of American Indian Tribes which may result in a Districts request for subsequent consultation.

PROJECT DESIGN

The 2018 West Point Master Plan completed by KASL Engineers provides the Conceptual Design of the Enlargement to the Reservoir. There are several iterations and conceptual designs identified in the master plan that would achieve the required capacity increase. The District has settled on a combination of excavation within the body of the reservoir and dam enlargement/extension to achieve capacity of 150 AF. The existing spillway, existing piping, drainage channel, and other appurtenance will also need to be modified or replaced. The District anticipates the existing concrete lined channel will need to be replaced with box culvert where it intersect the fill for the enlarged dam. A substantial amount of imported select fill will be required to enlarge the dam and construct associate berms, a nearby suitable borrow site will need to be identified and environmental clearances secured. The Reservoir is “off-line” from any active creeks or channels and raw water flow to the Treatment plant can bypass the reservoir during construction allowing dewatering of the reservoir.

A. Preliminary Design Report: The Consultant shall prepare a preliminary design report with recommendations and conclusions concerning the proposed project design. The report shall address the following:

1. Recommendations regarding proposed design.
2. Review of RFP project design requirements and recommendations concerning methods for reducing costs and/or alternative improvement solutions.
3. Recommend construction phasing.
4. Preliminary Engineering Design
5. Preliminary scaled design concept drawings.
6. Preliminary Cost Estimate

B. Drawings. The Consultant shall provide all necessary civil, structural, mechanical, and process drawings for execution of project construction. This includes standard drawings such as: cover sheet, index of drawings, vicinity and location map, general notes, project notes, standard details, description of symbols, and abbreviations. The 100 percent drawings shall represent the final project design. The Consultant shall anticipate minor revisions to the 100 percent drawing based upon final District comments prior to production of the Bid-Ready set.

Deliverables: 30%, 60%, 90% and Bid-Ready drawings for incorporation with Project Manual. Drawing submittals shall be furnished to the District in (Adobe pdf) file format for reproduction as both 11”x17” (ANSI C) and 22”x34” (ANSI D) paper size. Bid-Ready drawings shall be furnished in Autodesk® AutoCAD™ format.

C. Project Manual: The Consultant shall prepare a project manual including front end document, technical specifications, and appendices. The manual’s front-end documents

shall be based on the 2018 edition of the Engineers Joint Contract Documents Committee Standards (EJCDC®). A copy of the standards will be furnished to the Consultant by the District. The Consultant shall edit the EJCDC® documents adding any project specific and State of California contract requirements. Consultant shall provide a bid schedule, detailed descriptions for each bid item, alternative bid items, if any, and description of sequence of work. The technical specifications shall be based upon the Consultant’s standards, or if applicable, adapted from District standards. Project Manual appendices shall include copies of encroachment permits, stormwater pollution prevention plan (SWPPP), environmental/CEQA/NEPA documents and mitigation measures, geotechnical report, and other such reports.

Deliverables: 60%, 90%, and 100% percent Bid-Ready Project Manual.

D. Construction Cost Estimates: The District would prefer to have highly cost-effective design solutions. The consultant is to provide cost estimates at each step in the design effort so these estimates may be used as a tool to guide design choices and select more economical alternatives.

Deliverables: 60%, 90% and 100% construction cost estimates.

PROJECT SCHEDULE

MILESTONE	DATE
PHASE 1	
Engineering/Environmental Services Selection	December 11, 2024
Project RFP	October 25
Job Walk Appointments	November 11-22
Proposal Deadline	November 27
Pre-Design Report	March 2025
Design/Engineering Plans 30% and 60% Design Level Plans and Specifications	June/August 2025
Topographical Survey	February 2025
Native Tree Survey	February 2025
Geotechnical Studies and Barrow Site Analysis	May 2025
Environmental Review of Borrow Site	May 2025
Surface Hydrology Analysis	May 2025
DSOD Permit and Application	May 2025
Section 404/401 and 1602 Permits	May 2025
Prepare & Adopt Environmental Documents	May 2025
PHASE 2	
Design/Engineering Plans 90% Design Level Plans and Specifications	Two Months after Phase 2 Award
Bid Ready Construction Plans/Specifications	Three Months after Phase 2 Award
Construction Contract Award	Five Months after Phase 2 Award

Phase 1 Completion date is November 12, 2025, all Phase 1 Project Deliverables must be submitted to FEMA prior to the completion date.

PROPOSALS/SELECTION CRITERIA

The proposal may be in any format that best represents and demonstrates Consultant's qualifications, experience, organizational structure, team/staff members, etc. As a minimum, provide a statement of qualifications, representative project references, scope of work, detailed schedule/gantt chart with tasks and milestones, total fee estimate by tasks including hours and hourly rates, and subconsultant costs. Also, please provide for reference subconsultant's scope and fee for electrical engineering, structural engineering, and geotechnical services. A panel of three or more CCWD staff will review the proposals and make a final selection for the award based on criteria such as approach to work, qualifications and experience, project references, cost effectiveness and value, proposed schedule and subconsultants. The Proposal should be broken down to identify task that are part of Phase 1 and task that are Part of Phase 2. Phase 2 Task are contingent upon District and FEMA Approval, and District may remove these tasks from the scope of work. Also, Consultant must accept/agree to the terms of District's standard Professional Services Agreement (PSA).

RECEIPT OF PROPOSALS

On or before 2:00 PM, Wednesday, November 27, 2024, please submit proposals and fee estimate in separate sealed envelopes, either hand delivered or sent FedEx (AM delivery).

Calaveras County Water District
120 Toma Court
San Andreas, CA 95249
Attn: Haley Airola Engineering Coordinator
Phone: (209) 754-3184
Email: haleya@ccwd.org

Please contact Haley Airola haleya@ccwd.org or Kevin Williams at (209) 754-3184 or kevinw@ccwd.org with questions regarding this project.

Attachments:

1. 2018 Supplemental West Point Water System Master Plan
2. FEMA Cal-OES Federal Contracting Requirements

Agenda Item

DATE: October 29, 2024

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

FROM: Engineering Department

RE: Capital Improvement Project Updates

Construction Phase

Copper Cove:

Copper Cove Lift Stations 6, 8, 15 & 16 and Lift Stations 12 & 13 Force Main Bypass Project (CIP 15076/15080)

Lift Station 6, 15 & 18 are online. Mozingo is working on Lift Station 8, wetwell is constructed. Sewer force main traversing under lake Tulloch is capped and abandoned.

Copper Cove Water System Improvements Project (CIP 11083C)

New B-Tank is constructed and online, demolition of the existing steel tank is complete and Crosno is installing the new roof. Coordinating efforts with operations staff to bring new Clearwell tank online in the coming weeks.

Jenny Lind:

Jenny Lind Water System A-B Water Transmission Pipeline (CIP 11088)

Construction of the 14" transmission main is underway. D. A. Wood (contractor) has constructed 250 linear feet of ductile iron pipe beginning Heinemann Dr and heading south on Hartvickson Lane towards Silver Rapids Road. Calaveras County Board of Supervisors approved the paving agreement, allowing both lanes of Hartvickson Lane to be paved at the end of the project.

Jenny Lind Clearwell #2 Rehabilitation (CIP 11083)

The existing clearwell has been drained and Crosno Construction will mobilize the week of October 28th, and the estimated completion is May 2025.

West Point:

West Point Water Supply Reliability Improvements (CIP 11106)

Project is almost ready for close-out. Operations is addressing outstanding issues of the burnt building, working on an agreement with the contractor.

West Point and Wilseyville Wastewater Consolidation Project (CIP 15091)

Civil and mechanical aspects of the project are complete. Paving is finished around the wastewater treatment plant. Awaiting delivery of electrical control panels and equipment to be delivered on site.

Districtwide:

AMI / AMR Project (CIP 11096)

Staff are reviewing options to utilize the unused funding and purchase controls for PRV Stations. Met with Cla-Val and went over PRV control options. Project closeout will proceed once this final purchase is completed.

Design Phase

Ebbetts Pass:

Ebbetts Pass Hunters Raw Water Intake Pumps (CIP 11103)

Cal-OES completed a financial audit of the Project. There were some corrective actions that need to be submitted to Cal-OES, related to Federal Contracting Requirement. There are no penalties from the audit. Cal-OES received the funding for Phase 2 (Construction) from FEMA. The District is waiting for Award and Kickoff Meeting with Cal-OES in the next couple of weeks.

Arnold Wastewater Secondary Clarifier Improvements Project (CIP 15095)

The District is moving forward with grant application for USDA funding. USDA just notified us that they have funds available until December. Staff has submitted preliminary grant applications to local office for review. Consultations with two Tribes' representatives are complete. SHPO is completed for Cultural Resources.

Sawmill Tank Management Program (CIP 11083S)

A kickoff meeting with Blackwater Consulting Engineers is scheduled for this week. Received draft Preliminary Design Report and returned comments back to Blackwater.

Sheep Ranch Water Supply Reliability (CIP 10080)

This study is on hold pending discussions with water purveyors along the Hwy 4 corridor regarding system inerties.

Copper Cove:

Copper Cove Wastewater Treatment Plant Tertiary Treatment Improvements and Facilities Plan (USACE Section 219 Project – Increment No. 1). (CIP 15094)

USACE noted that early procurement is possible for the SAF system under an amended Letter Report/Project Partnership Agreement (LR/PPA). USACE Office of Counsel is writing an internal draft for review. The amended LR/PPA will not include increment 2 (dam raise/utility relocation) project elements. The project schedule indicates that construction would start in August of 2025.

CCWD's engineering consultant (HydroScience Engineering) is working on the project's 90% design. Additionally, they are developing a water balance to assist with determining a preferred project phasing plan.

CCWD's environmental consultant (Dewberry) has issued an Administrative Draft Environmental Assessment/Finding of No Significant Impact (EA/FONSI) for review. The Historic Preservation and Cultural Resources findings are scheduled to be issued for SHPO review by September 6, 2024.

Copper Cove Wastewater Treatment Plant – Pond 6 Dam and Effluent Storage Reservoir Enlargement Project (USACE Section 219 Project – Increment No. 2). (CIP 15112)

As currently defined, the treatment improvements project is separate from dam enlargement project. Pending is the need to address borrow site for compatible soil; Staff is to review an old agreement with the original borrow site property owner. USACE has initiated the EA process. Waiting on Wagner & Bonsignore for updated cost estimate for the project. Once the USACE has authorized the revised LR/PPA, the design will commence.

Copper Cove C Transmission Line & Pump Station (CIP 11122)

CCWD's engineering consultant, PBI, is working towards 100% design bid documents. Badger Daylighting potholed the existing utilities and connection points along the proposed alignment. Pothole data will be included in the final design. We are re-designing the connection at C Tank to make the line a true dedicated transmission line from the plant to tank. CEQA Categorical Exemption Documents have been Submitted to State Clearing House and the County.

Lake Tulloch Intertie Project (CIP 11104)

PBI is working on 50% design for the Water Distribution Main on O'Byrnes Ferry Road. CEQA Categorical Exemption has been submitted to the State Clearing House and the County

Copper Cove O'Byrnes Water Line Extension (CIP 11132)

CCWD Legal Department is negotiating with the property owner's legal representative to resolve the easement.

Jenny Lind / La Contenta:

La Contenta Biolac and Clarifier (CIP 15097)

A topographical survey was completed, and geotechnical testing will begin within the next few weeks. CCWD's engineering consultant, HydroScience, is working on the preliminary design and alternative analysis for the design of the clarifiers. Currently collecting data for raw water strength.

Huckleberry Lift Station (CIP 15092)

CCWD's consultant, Lumos Engineering, initiated the design and submitted the Pre-Design Report. Both the topographical survey and the field geotechnical study are

complete. Lumos will be issuing a Preliminary Design Report by the end of the month. Working with odor control specialists to address any potential concerns.

Wallace Tank Replacement (CIP11083W)

Received the Draft Preliminary Design Report and provided comments back to Blackwater Engineering.

Agenda Item

DATE: October 29, 2024

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

FROM: Engineering Department

RE: Other Updates

Copper Valley Town Square

The staff has been working with the owner of this project to set up Sewer Lift Station per Calaveras County guidelines to operate with minimal supervision with alarm call outs and adequate pumping till permanent infrastructure is put in place.

- Lift Station – Pre- Design Report was submitted by the owners and have been accepted. This update will allow a permanent lift station to be constructed at the existing site in town square and pump sewage to Saddle Creek Main Lift Station.
- Force Main – Force main alignment has been finalized with it following Little John Road, going west at Bow drive and following along the Saddle Creek property line and traversing through golf cart part to Oak Creek Road. Choosing this design allows the District to address any potential odor issues.
- Reeds Turnpike Pump Station- Owners of the town square have submitted 90% design for the pump station. District has responded with comments and working with the property owner at the existing site to acquire additional property easement for construction and new infrastructure.

Jenny Lind Elementary School Force Main Project

This project includes a 20,000-ft sewer force main from the Jenny Lind Elementary School to a connection point with CCWD existing sewer system near Vista Del Lago. The project is being funded by the Clean Water State Revolving Fund (CWSRF) and CCWD has entered a prior Letter Agreement with the School Board. The design phase is complete and has been accepted by the State Architect. State Revolving Fund has approved the extension, final bid documents are being compiled by the consultant. They provided a project update and CCWD explain modifications to their project (revised point of connection to LGI Homes new lift station). CCWD is handling LAFCO expansion.

North Vista Plaza / LGI Homes

CCWD, LGI Homes (developer) submitted the design for proposed lift station and force main. Staff will review and provide comments to the owner. Coordinating items include:

- CCWD has provided an EDU count from the Jenny Lind Elementary School and properties along the Jenny Lind Force Main. The JL School's negotiated

- 36 EDUs, and staff has estimated 165 EDUs from properties along the alignment.
- An Area of Benefit establishment will include parcels from School to Vista Del Lago West along the alignment and will not have the commercial lots adjoining LGI development.
 - CCWD has contacted LAFCO and will update the CCWD service area to include the area served by the JL Forcemain and areas east of Hwy 26.
 - Environmental exemption to be included in an amendment to the Facility Agreement with LGI Homes. The developer's environmental consultant, Helix, will need to contract directly with the District.