

Agenda - Orestimba Creek Mtg.
8:30 – 9:00 am
June 10, 2021
18773559639,,2098278616#

1. Landowner Outreach:
 - a. Well sites and/or pipeline routes
 - i. Test holes – (Ben)
 1. Schedule update
 - ii. Water quality samples update (Adam)-Schedule
 - iii. Update on meetings with landowners
 - b. Other items
2. Report from P&P activities-(Rick)
 - a. Initial Environmental work.
 - i. Cultural and Biological Survey update
 - ii. Geo Tech – On standby until Section 106 is complete
 - b. Design update
 - i. MP 51.65- update
 - ii. Potholing to determine depth of pipes- Utilities alert coordination
 - iii. Return Pumping plant was agreed to be included during the last meeting as a place holder for now.
 - c. Other issues
3. Grants update- (All)
 - a. Prop 1 Storm Water Grant, IWRMP Grant
 - i. Work items- update
 - ii. Other items
4. Other Items

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Memorandum

To: Jarrett Martin, General Manager, Central California Irrigation District (CCID)
Anthea Hansen, General Manager Del Puerto Water District (DPWD)
Steve Chedester, Director of Policies and Programs, San Joaquin River Exchange
Contractors Water Authority (SJRECWA)

From: Rick Iger

Subject: **Orestimba Creek Recharge and Recovery Expansion Project – Status Update**

Date: June 11, 2021

Bold text represents information added since the previous memorandum.

Background:

The SJRECWA has identified a water supply/storage goal of 50,000 acre-feet and a peaking capacity goal of 500 cfs to avoid impacts from Critical Years, source shifting to the San Joaquin River (SJR), or restrictions on pooling water for peak irrigation demand. Studies and Pilot Program tests have determined that the potential recharge capability of Orestimba Creek alluvial fan is suitable to help meet those goals. In addition, due to shortages in the Central Valley Project (CVP), Del Puerto Water District (DPWD) is seeking recharge and recovery to help alleviate future shortages. As a result of the mutual interests, the Exchange Contractors and DPWD have partnered to complete a project to help achieve progress toward meeting those goals.

The Orestimba Creek Recharge and Recovery Expansion Project (Expansion Project) proposes to expand the existing 20-acre groundwater recharge facility near Orestimba Creek to about 80 acres. This project would store high flow and carryover supplies which would include groundwater replenishment to offset nearby groundwater demands as well as regulate supplies to provide a critical year water supply and provide water to meet peak demands in the summer.

The project participants include CCID, DPWD, and SJRECWA. Provost & Pritchard (P&P) was retained to assist in designing, permitting and environmental compliance sufficient to enable construction of the project. The Project is moving forward under CCID's lead on behalf of the SJRECWA with cost sharing with DPWD. Each entity has been paying their own expenses for its respective role.

CCID has received several grants to move the project forward beyond the feasibility level to initiate construction of the expanded project. In 2020, CCID received a Grant Award of \$809,000 from the Integrated Regional Water Management Plan (IRWMP) State Grant Program to assist in development of the Expansion Project. In February 2021 CCID also received contingent award under the Stormwater Grant Program administered by the State Water Resources Control Board (SWRCB) of \$5.6 Million for construction of the Expansion Project. The project will consist of an additional 60-acres of recharge ponds, use of existing DPWD turnouts from the Delta-Mendota Canal (DMC), a proposed turnout from Orestimba Creek, and new pipelines to convey the flows to the recharge ponds. Additionally, the project includes completion and use of wells sufficient to

recover the water stored in two consecutive dry/critical years. For purposes of the environmental analysis 8 recovery wells, which are proposed to be designed by Kenneth D. Schmidt and Associates (KDSA) and District staff, well discharges and appurtenances, and associated pipelines have been included. Analysis of construction and operations of conveyance, recharge and recovery facilities will be included in the environmental and permitting documents.

Current Work:

While developing the specific budget and agreements, the participants authorized phasing the work to quickly develop the 30% design and flush out any major permitting or environmental concerns including developing a coordinated effort with the Bureau of Reclamation (USBR) on CEQA/NEPA compliance so Reclamation can evaluate the feasibility of continuing with the project to completion. Phase 1 consists of bringing the project design to 30%, a topographic survey, downloading required permit applications, and coordinating with USBR on CEQA/NEPA compliance and work within DMC right-of-way.

Work started on October 15, 2020 with the project kick-off meeting with staff from CCID, DPWD, SJRECWA and P&P in attendance. We discussed project administration, schedule, design components, permitting and environmental work coordination. During the meeting there was significant discussion regarding the various components and proposed alignments. The plan was to have the 30% design complete by mid-December; however, access agreements for survey work required from various landowners and agencies took longer than expected to get in place. The Districts are working on overall well location plan. Well locations are a critical path item for moving forward with environmental and permitting work. Biological, cultural, and geotechnical studies will need to be completed for all components including well locations. Once well locations have been identified, all access agreements will need to be amended to allow for ground disturbing activities before these studies can be completed. The following is a list of work activities with descriptions of work completed to date.

1. Landowner Outreach

- a. State: The State of California Department of Water Resources (DWR) owns the property between Bell Road and I-5 along Orestimba Creek. Right of Entry for the Orestimba Creek Turnout has been issued for non-ground disturbing activity which included topographic survey of the turnout site. Need to determine timing of Biological and Cultural Field work and get back to State et al. Same for Geotech. All on hold for well locations. Ground disturbing field work is on hold until well sites are identified. CCID has requested an amended Temporary Entry Permit from DWR for Biological and Cultural surveys. The proposed schedule is for April 26 to June 30 in case follow-up surveys are needed.
- b. Private landowners: Participants are setting appointments with landowners for well sites and surveys. Alternative Pipeline alignments also needed to be surveyed and discussed with three landowners along the routes. Meetings have been held and survey of pipeline routes are completed. Meetings have been held with several property owners from Bell Road to the CCID Main Canal. Potential joint use of existing wells and new well sites were discussed. Based on those discussions, the Participants are exploring recovery well target locations east and north of the recharge ponds. **Anthea and Ben will be setting up meeting with landowners to discuss project operations and benefits to adjoining landowners.**
- c. SLDMWA: Right of Entry request approved provided no ground disturbance. Need to initiate amending for the ground disturbing activities for Biological and Cultural surveys. Questions regarding use of the existing box culvert under the DMC at Bell Road and

placing facilities within DMC property will be coordinated with SLDMWA and USBR. CCID has requested and received an amended Temporary Entry Permit from SLDMWA for the proposed schedule for Biological and Cultural surveys, April 26 to May 7, 2021. **The SLDMWA Access Permit will be extended to cover additional exploratory work within Reclamation right-of-way.**

- d. USBR: Right of Entry agreement approved for Surveys provided no ground disturbance. Need to initiate amending for the ground disturbing activities for Biological and Cultural Surveys. USBR defers to SLDMWA for processing Temporary Entrance Permits. CCID has requested and received an amended Temporary Entry Permit from SLDMWA for the proposed schedule for Biological and Cultural surveys, April 26 to May 7, 2021. The Cultural sub-contractors submit a separate request directly to USBR for the specifics of their work. **AE submitted the Fieldwork Authorization Permit to USBR on 5/21/21 and it was authorized on 5/28/21 for non-ground disturbing activity.**
2. USBR Coordination
 - a. Letter of Agreement (LOA): USBR is developing a cost estimate to include in the LOA. USBR requested copy of survey map with preferred pipeline route plotted and white papers on potential conveyance of Orestimba Creek water in DMC and other Participants' water sources for recharge. SJRECWA has white paper from LBCDR Storage POC and will update for Orestimba. Participants drafted white paper on conveying Orestimba flow in DMC, being reviewed up chain of command at Reclamation. Steve Chedester taking the lead on this effort. Once LOA executed need to set up virtual tour with USBR staff. The LOA was executed at the end of February, allowing Reclamation Staff to work on the permitting and environmental documents. **Cultural and Biological non ground disturbing field work was completed June 1 – 4, 2021. Findings are being prepared in June.**
 - b. CEQA/NEPA: Initial discussions with USBR have started on a joint CEQA/NEPA document. USBR has provided the new format and P&P has submitted a revised project description. Awaiting LOA execution for launch of Joint Document preparation. Discussions have been occurring weekly on the project description and Area of Potential Effect (APE). The Project Description has been updated to reflect new components of the project and the proposed operations plan. P&P staff is coordinating merging the project description into the Joint CEQA/NEPA document. **The APE map was revised again to reflect a decrease in APE area and the project description was also revised to match the revisions to the APE map. Revised proposals were received from Live Oak Associates and Applied Earthwork for the biological and cultural studies based on revised project description and APE. Biological survey began on June 3, 2021 and the cultural survey began on June 1, 2021. Adam worked with subconsultants to gain access to certain properties.**
 - c. Initial Draft Project Description: Sent to Participants and Reclamation. Reclamation requested insertion of water source in Project description and possible need for a Warren Act Contract or other DMC wheeling/exchange arrangement. The Project Description summary was described to Reclamation over a series of meetings and submitted with edits on April 9, 2021. **Additional revisions were made to the project components and APE. Revised project description and APE map were prepared and distributed to subcontractors, Reclamation and participants.**
 - d. **Anthea and Jarrett will be meeting with Reclamation in June regarding Pond Operations and sources of supply.**
 3. Permits
 - a. Downloaded and began filling in the following permit applications:

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- i. Lake and Streambed Alteration Notification from CDFW
 - ii. 404 Permit from USACE
 - iii. 401 Water Quality Certifications from RWQCB
 - iv. License Agreement Permit from USBR
 - v. MP620 Permit from USBR for additions or alterations to USBR owned facilities.
 - vi. Encroachment Permits from Stanislaus County for pipelines crossing County Roads.
4. Design
- a. Topographic Survey: Survey has been completed for Orestimba Creek turnout, pipelines, ponds, and pump station.
 - b. Design Criteria Memo: the draft design criteria memo will be completed and submitted to Participants for review during last week of January 2021.
 - c. Plans: 30% plans will be completed and submitted to Participants for review during last week of January 2021.
 - d. The 30% design memo and plans were submitted to Participants on February 4, 2021 and reviewed in a couple of workshops with final comments received on February 18, 2021.
 - e. After meeting with Reclamation and several landowners along the pipeline routes to the recharge ponds, additional modifications to the design were warranted including placing the north-south pipeline outside of Reclamation property and removing and replacing DMC turnout control boxes to accommodate larger pipeline connections.
 - f. A workshop was held with the Participants to evaluate the recharge pond sizing and recovery goals. A spreadsheet was developed to look at how many acres of ponds and sizes of pipelines were needed to meet the goal of recovering 10,000 acre feet per year during two consecutive dry and/or critical water supply years. The decision was made to size the facilities to absorb 22,000 acre feet in a wet year, where water would be available to the Participants over 150 days. The results showed that 80 Acres were needed at the recharge rate of 2.0 feet per day, and that 80 cfs could be delivered with the pipes as sized in the Design Memorandum:
 - i. 35 cfs from Orestimba Creek Turn Out and Booster Pumps into a 36" pipe running north to south to the junction with the MP 51.65L pipe;
 - ii. 35 cfs from DMC TO at MP 51.65L into a 36" pipe transitioning to 48" where the Orestimba pipe intersects; and
 - iii. 35 cfs from DMC TO at MP 52.40L into a 36" pipe along Orestimba Road.
 - g. **Irrigation lines and other utilities will be identified during the 60% design. P&P will be soliciting proposals for companies that can locate the irrigation lines and Underground Service notifications are being distributed to the utilities in the area.**
 - h. **Anthea will check to see if they have used pipe daylighting companies.**
 - i. **P&P is continuing the 60% design effort and has modified the 30% drawings for the DMC 51.65L and 52.40L connections to the pipelines leading to the recharge ponds. Participants have reviewed and approved moving forward with including the revised drawings into the Plan Set.**
 - j. **CCCID and DPWD are continuing efforts to identify well sites for the recovery part of the project. They are working with Kenneth D. Schmidt and Associates on retaining a driller to drill several pilot holes in the area to look at aquifer materials and water quality to help inform the decision on where to place wells and at what depth to complete them.**
5. Other Items
- a. Prop 68 Grant Application: Project Description info has been provided to Woodard and Curran who are assisting the Coordinated Delta-Mendota Basin Group submit a DWR Prop 68 SGMA Grant Application. Orestimba Description for current IRWM Grant included

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35 cfs conveyance to ponds. Prop 68 was similar description as IRWMP Grant Application. The Prop 68 application has about \$1M in grant request and construction of full project with local/other cost share. The Project Description is the same as IRWM grant which provided \$809,000 Grant Award. The Prop 68 Grant was not awarded for the Delta-Mendota Application, a technical review is underway to see if DWR missed something in understanding the projects.

- b. The Storm Water Grant contingent award required some follow up on the grant agreement, budgets, schedule and budget narratives. Those went to Woodard and Curran between April 5th and April 15th and have been submitted by them and CCID back to the State Board. **We are waiting on finalized grant agreement documents and cost tracking forms.**

Next Steps:

1. Actions required by Participants:
 - a. Review and provide comments on Design Criteria Memo and finalize proposed facility locations and capacities. **DONE**
 - b. Review and provide comments on 30% plans. **DONE**
 - c. Determine locations for recovery wells. Ongoing; refine sites with KDSA and meet with specific owners. **Ben has a driller lined up for water well pilot holes for logging, should be on site in the next couple of weeks. Once results are reviewed by Ken Schmidt, well sites will be selected. Still need to get access agreements with growers for final well sites and pipeline alignments once Ken's recommendations are received.**
 - d. **DPWD will be collecting water quality samples in June and July from growers in project area to help with selecting recovery well locations.**
 - e. Assist with obtaining Right of Access agreements for ground disturbing biological, cultural, and geotechnical investigations. **Ongoing**
2. Actions required by P&P:
 - a. Once well locations have been determined and remaining right of entry agreements have been approved, complete field survey work with Geotechnical, Biological and Cultural Subconsultants. **Ongoing**
 - b. Finalize Design Criteria Memo and 30% plans based on Participant comments. **DONE**
 - c. Work with Participants, agencies, and landowners to amend **temporary** right of entry permits for ground disturbing activities. **Amended temporary access permits have been received from agencies and biological and cultural surveys have begun. Geotechnical work will begin once the Section 106 consultation with Reclamation and State Historical Preservation Office and Tribal notification and coordination efforts are complete.**
 - d. Incorporate final facility locations, and biological and cultural investigations into draft environmental document. **P&P will work with Participants and Reclamation on merging the new Project Description into the CEQA/NEPA document and incorporate results of biological and cultural investigations once complete in mid-June. Project component changes were discussed with Reclamation on April 23rd.**
 - e. Continue preparation of draft permit applications. **Ongoing**

- f. Once directed by the Participants, prepare draft specifications and 60% plans. **Started 60% plan drawings March 3, 2021.**
3. Actions required by others:
- a. Once well locations have been determined and right of entry agreements have been amended for ground disturbing activities, perform geotechnical investigation.
 - b. Once well locations have been determined and right of entry agreements have been amended for ground disturbing activities, perform biological investigation. **Ongoing**
 - c. Once well locations have been determined and right of entry agreements have been amended for ground disturbing activities, perform cultural investigation. **Ongoing**
 - d. USBR to finalize LOA and associated budget for review and payment of deposit by Participants. **DONE**
 - e. USBR Environmental team to have a kick-off meeting with P&P and Participants. **DONE**
 - f. USBR and SJRECWA Land and Right of Way team to have virtual tour of project facilities with P&P and Participants. **DONE with Reclamation, still need to meet with SLDMWA.**

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PROGRESS REPORT

Del Puerto Canyon Reservoir Program Management

Subject: March 2021 Progress Report

Prepared for: Anthea Hansen (DPWD) and Chris White (SJRECWA)

Prepared by: Andy Neal and Katie Cole (Woodard & Curran)

Date: May 21, 2021

Project No.: 0011297.00

This progress report summarizes the work performed by Woodard & Curran and subconsultants for the period through March 26th, 2020 for Del Puerto Canyon Reservoir Program Management. Please contact aneal@woodardcurran.com or (925) 627-4114 with any questions.

Work Performed

A summary of work performed during the current reporting period is summarized in the following table.

Task Description	Work Completed This Period
<p>Task 1 Program Management</p>	<ul style="list-style-type: none"> • Weekly internal team and external client coordination meetings. • Project management tool maintenance (EVA, document management portal, staff management and tracking, sub billing calendar). • Budget, schedule, and scoping tracking and updates. • Coordination with and management of subcontractors. • SJRECWA and DPWD Board Meeting update memos. • Developing and reviewing program budget and work plan for FY 2021 activities.
<p>Task 2 Agency Coordination and Permitting Plan</p>	<ul style="list-style-type: none"> • USBR weekly meetings and preparation. • Internal meetings and staff coordination related to permitting and agency coordination efforts.
<p>Task 3 Reservoir Operations Analysis</p>	<ul style="list-style-type: none"> • None.

Task Description	Work Completed This Period
<p>Task 5 CEQA/NEPA Project Phase Authorization</p>	<ul style="list-style-type: none"> • Internal staff coordination and meetings. • Assisted in providing Administrative Record documents to legal team. • Our team conducted a preliminary field survey of potential and former Golden Eagle nesting locations. They took a general look at nest locations and assessed the extent of wildfire damage in the project vicinity. A more detailed investigation will be performed as the nesting season gets further underway. This work is being performed to clear the site for geotechnical and other activities that will need to be started later this year. • Our team has been preparing for Section 7 consultation by beginning to prepare a Biological Assessment (BA). We have been working with US Fish and Wildlife Service to prepare for fieldwork activities, including "protocol" level service to analyze the presence or absence of listed (or proposed) species in the site vicinity. Depending on weather conditions and environmental habitat conditions, our team may go into the field this Spring/Summer to survey the area for species. The BA would cover construction, operation (e.g., water impoundment and release schedule), and maintenance activities (e.g., vegetation management) and would be consistent with the project description in the EIR. The BA would include all federally listed species identified in the Reclamation approved memo submitted in February 2020 and 2021. • Working with Ramon Aberasturi of USACE to advance our delineation and 404 permitting activities. The Corps would prefer to verify an Approved Jurisdictional Determination (AJD), which is used to document the jurisdictional status of all waters within a study area.
<p>Task 6 Validate Facilities</p>	<ul style="list-style-type: none"> • None.
<p>Task 7 Procure Design Consultants</p>	<ul style="list-style-type: none"> • None.
<p>Task 9 Conveyance Facilities Preliminary Design</p>	<ul style="list-style-type: none"> • None.
<p>Task 10 USBR Feasibility Report</p>	<ul style="list-style-type: none"> • None. Sponsors received a letter that the Secretary of the Interior did make a December 31, 2020 determination of feasibility pursuant to the WIIN Act, section 4007(b), P.L. 114-322 for the project. Our project was deemed technically and financially feasible and provides Federal benefit to meet the CVPIA incremental Level 4 refuge water supplies.
<p>Task 11 Land-Owner Coordination</p>	<ul style="list-style-type: none"> • Arranged site access for eagle survey.

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Task Description	Work Completed This Period
<p>Task 12 Survey/Mapping</p>	<ul style="list-style-type: none"> • None.
<p>Task 13 Utility Company Coordination</p>	<ul style="list-style-type: none"> • Our team, including our subconsultants Barnard Construction and Black and Veatch, met with PG&E to share an alternative developed by the Barnard/BV team to the routing alignments that were developed by PG&E. WAPA SLTP project members were also in attendance to understand developments of the Program. PG&E are currently reviewing the alternative alignment internally and we will have regular, ongoing meeting to coordinate the utility relocations. Updates will be provided in future Board reports.
<p>Task 14 Outreach Support</p>	<ul style="list-style-type: none"> • None.

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Budget Status

During this period, Task Order 6 was executed, increasing total budget by \$1,847,989, bringing the project total to \$9,894,289. As of this invoice, 77% of the project budget has been billed (\$7,607,841.59 of \$9,894,289). A budget breakdown by task is included in the below table.

TABLE 1: BUDGET BREAKDOWN BY TASK

Task No.	Description	Budget	Previously Billed	Billed This Period	Total Billed to Date	Budget Remaining	% Billed to Date
1	Program Management	\$913,108.01	\$548,762.62	\$7,859.25	\$556,621.87	\$356,486.14	61%
2	Agency Coordination and Permitting Plan	\$726,775.42	\$416,674.63	\$972.00	\$417,646.63	\$309,128.79	57%
3	Reservoir Operations Analysis	\$583,833.50	\$368,833.50	\$0.00	\$368,833.50	\$215,000.00	63%
4	Funding Strategy	\$179,000.00	\$0.00	\$0.00	\$0.00	\$179,000.00	0%
5	CEQA/NEPA Compliance	\$2,366,939.04	\$1,865,582.25	\$5,054.40	\$1,870,636.65	\$496,302.39	79%
6	Validate Facilities	\$2,155,442.87	\$2,155,442.84	\$0.00	\$2,155,442.84	\$0.03	100%
7	Procure Design Consultants	\$424,493.25	\$5,493.25	\$0.00	\$5,493.25	\$419,000.00	1%
8	Design Consultant Management	\$70,182.08	\$0.00	\$0.00	\$0.00	\$70,182.08	0%
9	Conveyance Facilities Preliminary Design	\$1,082,317.94	\$1,082,317.94	\$0.00	\$1,082,317.94	\$0.00	100%
10	USBR Feasibility Study	\$571,778.64	\$571,778.64	\$0.00	\$571,778.64	\$0.00	100%
11	Land Owner Coordination	\$123,021.12	\$39,955.80	\$486.00	\$40,441.80	\$82,579.32	33%
12	Survey/Mapping	\$173,364.88	\$173,364.88	\$0.00	\$173,364.88	\$0.00	100%
13	Utility Company Coordination	\$139,032.25	\$55,571.25	\$3,402.00	\$58,973.25	\$80,059.00	42%
14	Outreach Coordination	\$385,000.00	\$305,216.34	\$1,074.00	\$306,290.34	\$78,709.66	80%
Total		\$9,894,289.00	\$7,588,993.94	\$18,847.65	\$7,607,841.59	\$2,286,447.41	77%

Notes:

¹ Task budgets are internally allocated and may be reallocated between tasks based on program need.



PROGRESS REPORT

Del Puerto Canyon Reservoir Program Management

Subject: April 2021 Progress Report

Prepared for: Anthea Hansen (DPWD) and Chris White (SJRECWA)

Prepared by: Andy Neal and Katie Cole (Woodard & Curran)

Date: June 9, 2021

Project No.: 0011297.00

This progress report summarizes the work performed by Woodard & Curran and subconsultants for the period through April 30th, 2021 for Del Puerto Canyon Reservoir Program Management. Please contact aneal@woodardcurran.com or (925) 627-4114 with any questions.

Work Performed

A summary of work performed during the current reporting period is summarized in the following table.

Task Description	Work Completed This Period
<p>Task 1 Program Management</p>	<ul style="list-style-type: none"> • Weekly internal team and external client coordination meetings. • Project management tool maintenance (EVA, document management portal, staff management and tracking, sub billing calendar). • Budget, schedule, and scoping tracking and updates. • Coordination with and management of subcontractors. • SJRECWA and DPWD Board Meeting update memos. •
<p>Task 2 Agency Coordination and Permitting Plan</p>	<ul style="list-style-type: none"> • USBR weekly meetings and preparation. • Internal meetings and staff coordination related to permitting and agency coordination efforts.
<p>Task 3 Reservoir Operations Analysis</p>	<ul style="list-style-type: none"> • None.

Task Description	Work Completed This Period
<p>Task 5 CEQA/NEPA Project Phase Authorization</p>	<ul style="list-style-type: none"> Internal staff coordination and meetings. Our team has been preparing for Section 7 consultation by beginning to prepare a Biological Assessment (BA). We have been working with US Fish and Wildlife Service to prepare for fieldwork activities, including "protocol" level service to analyze the presence or absence of listed (or proposed) species in the site vicinity. Depending on weather conditions and environmental habitat conditions, our team may go into the field this Spring/Summer to survey the area for species. The BA would cover construction, operation (e.g., water impoundment and release schedule), and maintenance activities (e.g., vegetation management) and would be consistent with the project description in the EIR. The BA would include all federally listed species identified in the Reclamation approved memo submitted in February 2020 and 2021. Our Final BA is expected to be submitted in August 2021, with Formal Consultation starting in October 2021, and a Biological Opinion issued in February 2022. Working with Ramon Aberasturi of USACE to advance our delineation and 404 permitting activities. The Corps would prefer to verify an Approved Jurisdictional Determination (AJD), which is used to document the jurisdictional status of all waters within a study area. On May 5th our team, which includes our delineation and botany leads, is touring Ramon in the site vicinity to observe specific aquatic features that will be representative of the project area. Our project partner, MBK, has been refining the Operations modeling for the Bureau's EIS. Our team has reviewed the new modeling to ensure consistency with statements made in the Feasibility Report.
<p>Task 6 Validate Facilities</p>	<ul style="list-style-type: none"> None.
<p>Task 7 Procure Design Consultants</p>	<ul style="list-style-type: none"> Our team has begun drafting Requests for Qualifications (RFQs) to attract qualified firms interested in performing the final dam design, road design, and assemble a Technical Review Board (TRB). We are going to follow a RFQ, then Request for Proposal (RFP) process in order to understand qualifications of potential teams and screen down the most qualified firms to receive a RFP which will require a much more detailed response package. The RFQ is expected to be released in late May / early June.
<p>Task 9 Conveyance Facilities Preliminary Design</p>	<ul style="list-style-type: none"> None.

Task Description	Work Completed This Period
<p>Task 10 USBR Feasibility Report</p>	<ul style="list-style-type: none"> Our team drafted a memo to USBR to document that the Del Puerto Canyon Reservoir project is under construction, consistent with the requirements in section 4013(2) cited per criteria in section 4011f(2), which are also consistent with Reclamation practice. Section 4011f(2) describes construction as “the designing, materials engineering and testing, surveying, and building of water storage including additions to existing water storage and construction of new water storage facilities...” The memo has been reviewed by the Principal Deputy Regional Director and will be submitted to the Regional Director the week of May 3rd.
<p>Task 11 Land-Owner Coordination</p>	<ul style="list-style-type: none"> None.
<p>Task 12 Survey/Mapping</p>	<ul style="list-style-type: none"> None.
<p>Task 13 Utility Company Coordination</p>	<ul style="list-style-type: none"> Our team, including our subconsultants Barnard Construction and Black and Veatch, met with PG&E on April 1 to share an alternative developed by the Barnard/BV team to the routing alignments that were developed by PG&E. PG&E rejected our proposed alternative for specific technical reasons (refer to email from Derrick Hallum (PG&E dated April 15. Our team invited PG&E representatives out into the field for a site visit May 10th to review the alignment corridors and discuss next steps.
<p>Task 14 Outreach Support</p>	<ul style="list-style-type: none"> None.

Budget Status

During this period, Task Order 6 was executed, increasing total budget by \$1,847,989, bringing the project total to \$9,894,289. As of this invoice, 77% of the project budget has been billed (\$7,658,839.34 of \$9,894,289). A budget breakdown by task is included in the below table.

TABLE 1: BUDGET BREAKDOWN BY TASK

Task No.	Description	Budget	Previously Billed	Billed This Period	Total Billed to Date	Budget Remaining	% Billed to Date
1	Program Management	\$913,108.01	\$556,621.87	\$20,516.55	\$577,138.42	\$335,969.59	63%
2	Agency Coordination and Permitting Plan	\$726,775.42	\$417,646.63	\$11,717.65	\$429,364.28	\$297,411.14	59%
3	Reservoir Operations Analysis	\$583,833.50	\$368,833.50	\$0.00	\$368,833.50	\$215,000.00	63%
4	Funding Strategy	\$179,000.00	\$0.00	\$373.50	\$373.50	\$178,626.50	0%
5	CEQA/NEPA Compliance	\$2,366,939.04	\$1,870,636.65	\$5,248.80	\$1,875,885.45	\$491,053.59	79%
6	Validate Facilities	\$2,155,442.87	\$2,155,442.84	\$0.00	\$2,155,442.84	\$0.03	100%
7	Procure Design Consultants	\$424,493.25	\$5,493.25	\$1,021.50	\$6,514.75	\$417,978.50	2%
8	Design Consultant Management	\$70,182.08	\$0.00	\$0.00	\$0.00	\$70,182.08	0%
9	Conveyance Facilities Preliminary Design	\$1,082,317.94	\$1,082,317.94	\$0.00	\$1,082,317.94	\$0.00	100%
10	USBR Feasibility Study	\$571,778.64	\$571,778.64	\$0.00	\$571,778.64	\$0.00	100%
11	Land Owner Coordination	\$123,021.12	\$40,441.80	\$298.50	\$40,740.30	\$82,280.82	33%
12	Survey/Mapping	\$173,364.88	\$173,364.88	\$0.00	\$173,364.88	\$0.00	100%
13	Utility Company Coordination	\$139,032.25	\$58,973.25	\$10,953.00	\$69,926.25	\$69,106.00	50%
14	Outreach Coordination	\$385,000.00	\$306,290.34	\$868.25	\$307,158.59	\$77,841.41	80%
Total		\$9,894,289.00	\$7,607,841.59	\$50,997.75	\$7,658,839.34	\$2,235,449.66	77%

Notes:

¹ Task budgets are internally allocated and may be reallocated between tasks based on program need.

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XI. B.

JOSH HARDER
10TH DISTRICT, CALIFORNIA
COMMITTEE ON APPROPRIATIONS
LABOR, HEALTH AND HUMAN SERVICES,
EDUCATION, AND RELATED AGENCIES
INTERIOR, ENVIRONMENT, AND RELATED AGENCIES
COMMITTEE ON AGRICULTURE
BIOTECHNOLOGY, HORTICULTURE, AND RESEARCH
LIVESTOCK AND FOREIGN AGRICULTURE

Congress of the United States
House of Representatives
Washington, DC 20515

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harder.house.gov

May 5, 2021

The Honorable Deb Haaland
Secretary
U.S. Department of the Interior
1849 C Street, NW
Washington, DC 20240-0001

Dear Secretary Haaland,

Thank you for your leadership during this difficult time. As we consider all efforts to address water shortages across the American West, I urge you to submit to Congress a list of water storage projects that includes increased funding for the Del Puerto Canyon Reservoir.

Pursuant to Section 4007 of the Water Infrastructure Improvements for the Nation (WIIN) Act, the U.S. Department of the Interior (DOI) must submit to Congress a letter requesting water storage projects by name and amount. I applaud the bipartisan support of the Del Puerto Canyon Reservoir, which was submitted by the DOI in previous years and approved by Democrats and Republicans in Congress. The fact of the matter is that California's drought coupled with the COVID-19 pandemic has underscored the timeliness and importance of advancing smart and safe storage projects. That is why I urge the Department to increase funding for Del Puerto Canyon Reservoir to \$15 Million for FY22.

Del Puerto Canyon Reservoir is a locally owned, locally controlled off-stream water storage project that will store up to 82,000 acre-feet of water for the Central Valley. Among the many benefits, the project will increase the reliability of water deliveries to our agricultural lands and improve management of groundwater. Securing the support and additional funding for this project is of the utmost importance to my district and the state of California.

Thank you, Secretary Haaland, for your attention to this critical matter. I look forward to your timely response.

Sincerely,



Josh Harder
Member of Congress

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MONTHLY REPORT

FUNDING

CCWD is working with Reclamation to develop an assistance agreement for a portion of the federal funding that will be administered by CCWD for preconstruction activities. It is anticipated that the agreement will include approximately \$7 million of federal funding for the Project. The current Federal funding request includes the remainder of the full federal share of 25 percent of the total project cost (approximately \$211 million). Subsequent agreements would be needed to fund construction.

CCWD is currently preparing a draft of Amendment No. 3 to the Multi-party Cost Share Agreement (MPA) to extend the MPA beyond the current termination date of December 31, 2021 and determine cost share for activities in 2022. The MPA is intended to be replaced with an Interim Funding Agreement through the Los Vaqueros Reservoir Joint Powers Authority (JPA) once the JPA has been formed and is ready to take on LVE financial management on behalf of the LAPs. A workshop will be scheduled with the LAPs in June to review schedule, assumptions and cost estimates for the proposed amendment.

The following chart provides an overview of the MPA expenditures through April 30, 2021. The in-kind services, funds received, outstanding receivable, and cash on hand are shown through May 17, 2021. All LAPs remain in good standing on progress payments. The next invoice will be sent to the LAPs in July 2021.

MAY 28, 2021

UPCOMING ACTIVITIES

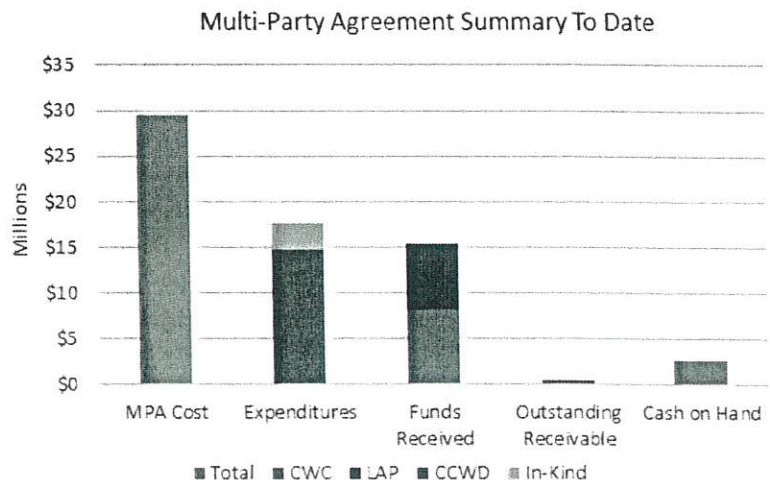
- May 28 – LAP Comments due on EBMUD Usage Fee Report
- June TBD – LAP Workshop on MPA Amendment No. 3
- August TBD – CCWD Authorize Amendment No. 3 to Multiparty Agreement

UPCOMING LAP BOARD COORDINATION

- TBD – Local Agency Partner Board meetings to consider approval of the JPA Agreement
- TBD – Valley Water Storage Committee

ADDITIONAL PROJECT INFO

- <https://www.ccwater.com/lvstudies>
- <https://www.usbr.gov/mp/vaqueros/>
- <https://cwc.ca.gov/Water-Storage/WSIP-Project-Review-Portal/All-Projects/Los-Vaqueros-Reservoir-Expansion-Project>



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DESIGN

On April 29, the District conducted a workshop with LAPs to review the dam design and updated cost for the dam raise construction. A technical briefing is being scheduled to respond to questions raised during the workshop. Dam expansion design work and coordination with the Division of Safety of Dams continues, with 90-percent design planned for July. CCWD staff provided final comments on the Pumping Plant No. 1 Replacement Project preliminary design report and prepared the scope and budget for final design. Transfer-Bethany Pipeline alignment evaluations continued with an assessment of land rights through parcels south of Vasco, and CCWD staff obtained additional information from other landowners. Preliminary design of the Turn-in to the California Aqueduct continues to progress.

LOS VAQUEROS RESERVOIR EXPANSION PROJECT

California Water Commission Meeting

WSIP: LVE Project Update

June 16, 2021

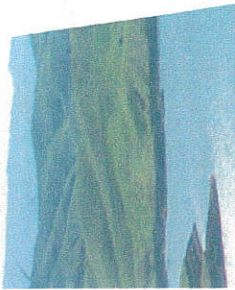
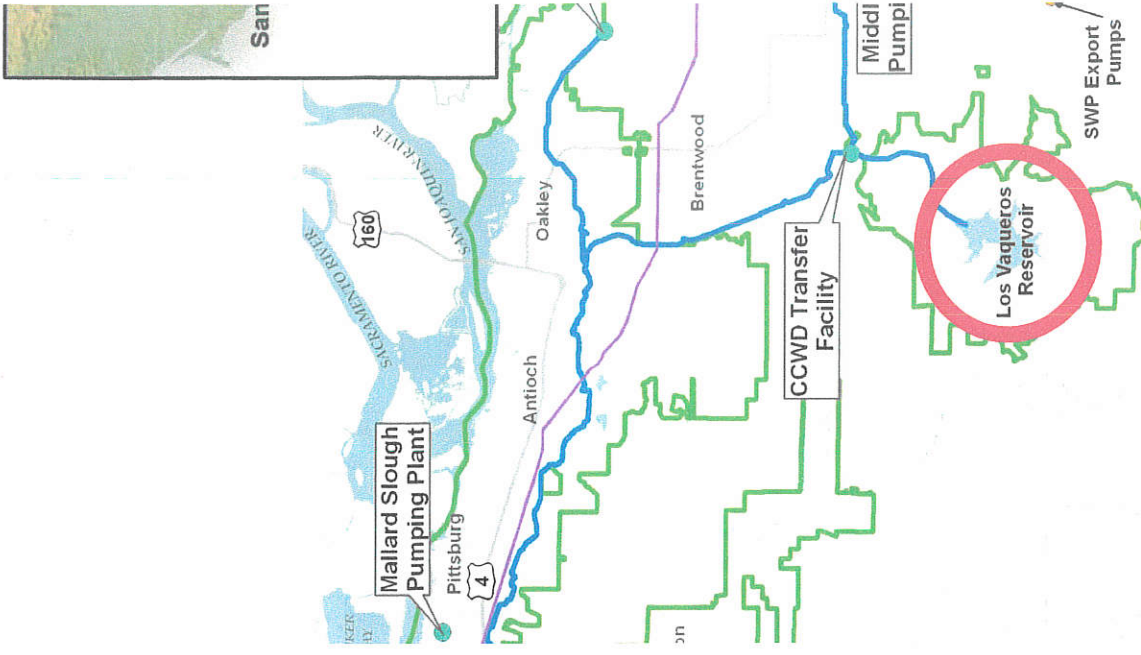
XI.C.

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Existing LV Reservoir

- Los Vaqueros (LV) Reservoir is an off-stream reservoir in Contra Costa County with a capacity of 160 TAF
- Contra Costa Water District (CCWD) operates LV in conjunction with four Delta intakes and an intertie with the East Bay Municipal Utility District (EBMUD)

- Benefits:
 - Water quality improvement
 - Drought supply reliability
 - Emergency supply
 - Delta fishery protection



160 TAF LV Dam Raise in Construction



TAF Project Construction

LVE Project Components

Storage

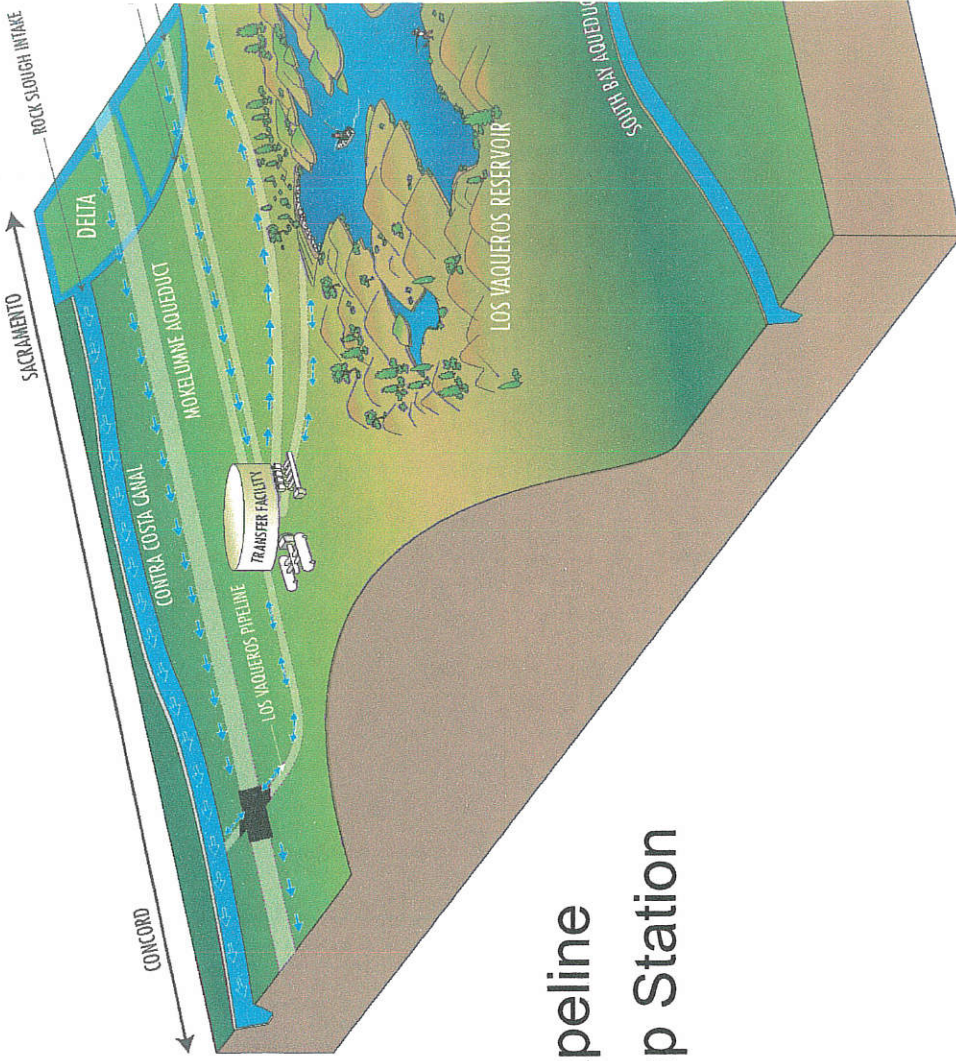
- Expand Reservoir from 160 to 275 TAF
- Upgrade Transfer Facility

Conveyance

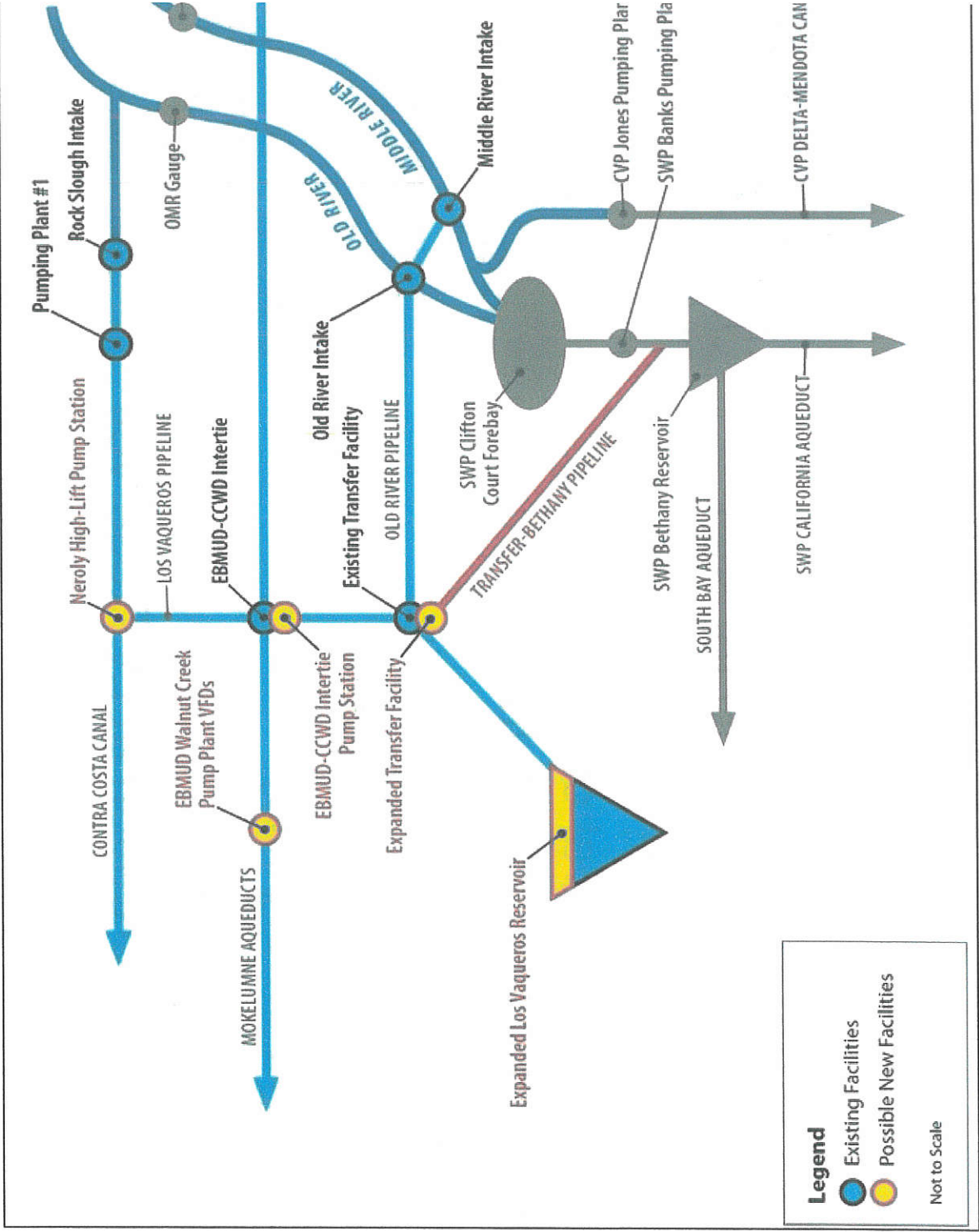
- Transfer-Bethany Pipeline
- Neroly High-lift Pump Station

Recreation

- Trails
- Interpretive Center
- Marina



Existing and New Facilities



WSIP Public Benefits

Ecosystem

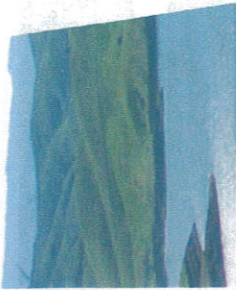
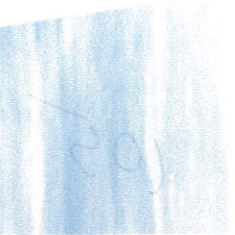
- Increased water supply for San Joaquin Valley wildlife refuges
- Improved survival of salmonids migrating through Delta

Emergency Response

- Catastrophic emergency
- Drought emergency

Recreation

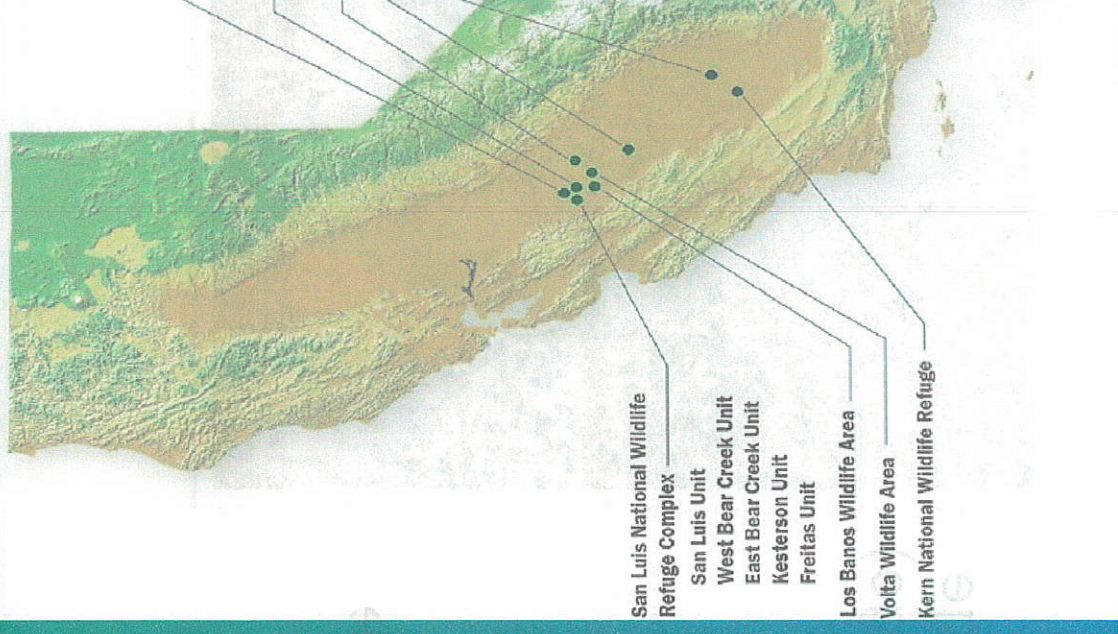
- Enhance recreation at LV Reservoir & Watershed



South-of-Delta Wildlife Refuges

Federal Central Valley Project Improvement Act (CVPIA)

- Enacted in 1992
- Identifies full demand of wildlife refuges (Level 2 + Incremental Level 4)
- Guarantees a portion of CVP water to meet a portion of refuge demand each year (Level 2)
- Does not guarantee delivery to meet full Incremental Level 4 demand



Net Environmental Benefits Provided 1 South-of-Delta Wildlife Refuges

Increased Water Supply

- Incremental Level 4 CVPIA refuge water (46,000 AF/year on average)
- Flexible short-term storage
- Access to Delta surplus

Increased Water Reliability

- Reduce reliance on spot market purchases
- Maximize benefits from available federal funding
- Improved operational flexibility



Non-Public Benefits

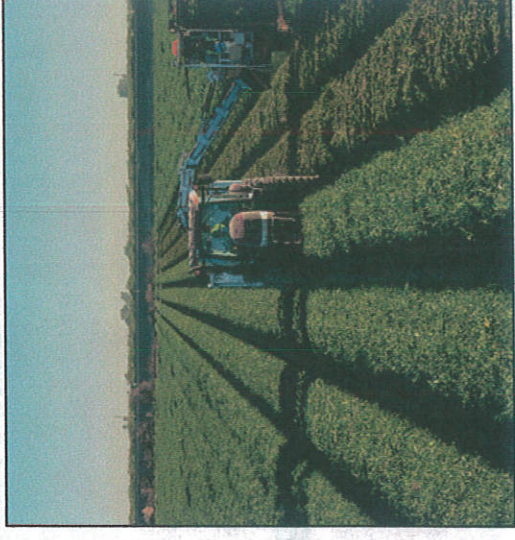
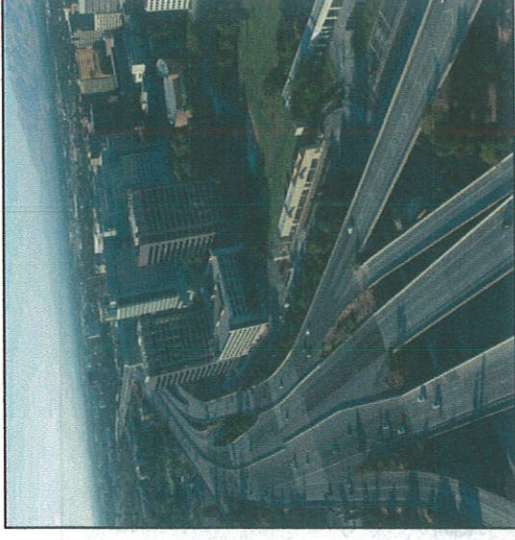
Increased Supply Reliability

- Bay Area Municipal & Industrial
- South-of-Delta CVP Agricultural

Improved Drinking Water Quality

Enhanced Regional Collaboration

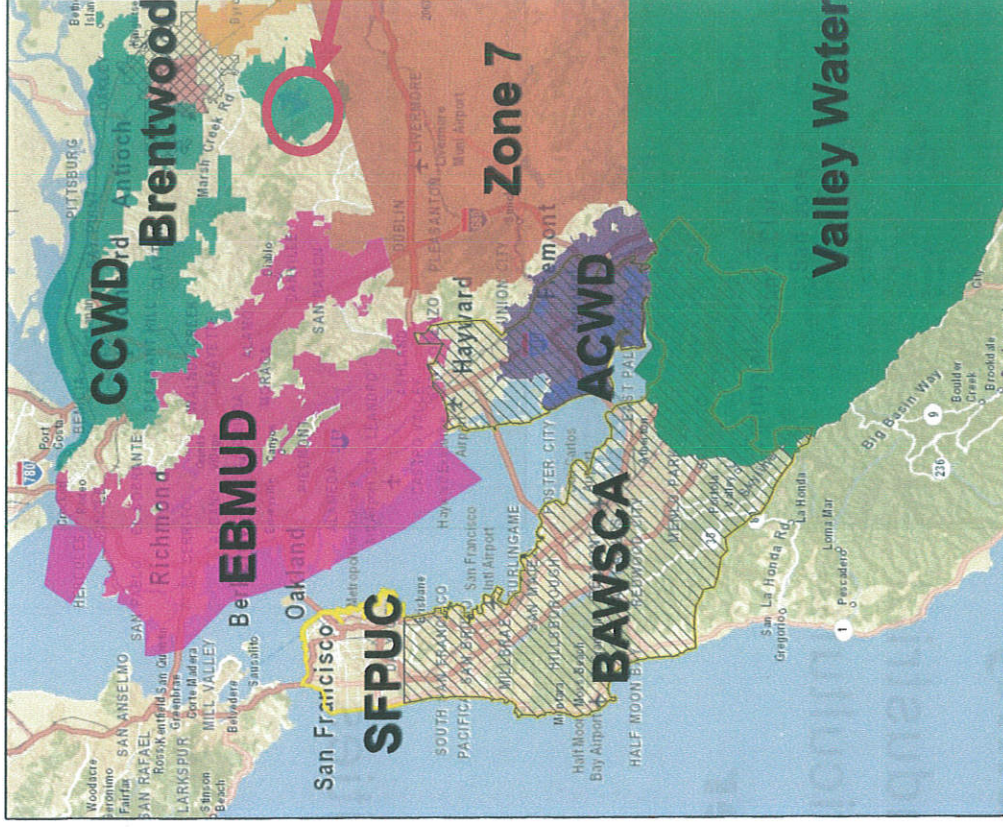
- Leverage Existing Facilities
- Facilitate Transfers
- Diversify Regional Supplies
- Improve Climate Change Resiliency



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Local Agency Partners

- Alameda County Water District (ACWD)
- Contra Costa Water District (CCWD)
 - City of Brentwood
- East Bay Municipal Utility District (EBMUD)
- Grassland Water District (GWD)
- San Francisco Public Utilities Commission (SFPUC)
 - Bay Area Water Supply and Conservation Agency (BAWSCA)
- San Luis & Delta-Mendota Water Authority (SLDMWA)
 - Byron-Bethany Irrigation District
 - Del Puerto Water District
 - Panoche Water District
 - Westlands Water District
- Santa Clara Valley Water District (Valley Water)
- Zone 7 Water Agency



Los Vaqueros Reservoir Joint Power Authority Formation

- **CCWD and Local Agency Partners are forming new JPA**
- **JPA Role**
 - Enter into contracts for administration of public benefits
 - Enter into final funding agreement with CWC
 - Finance Local Agency Partner share of construction costs
 - Coordinate partner requests for service
 - Monitoring and reporting
- **CCWD will continue to operate LVE system and provide additional services to JPA as required**

CEQA/NEPA Compliance

- 2000 CALFED Programmatic Record of Decision (F
- 2010 Final EIS/EIR for Los Vaqueros Reservoir Ex
 - Analyzed alternatives up to 275 TAF
 - CCWD selected alternative for 160-TAF Phase
 - Evaluated timing and impacts of Phase 2 Expa
- 2011 Reclamation Approved Phase 1 LVE ROD
- 2017 Draft Supplement to Final EIS/EIR
 - Refined project facilities
 - Reflects changed Delta conditions and require
 - Incorporated updated partner operations
- 2020 Final Supplement to Final EIS/EIR
 - CCWD certified, and no CEQA challenges
- 2021 Phase 2 LVE ROD anticipated by end of year

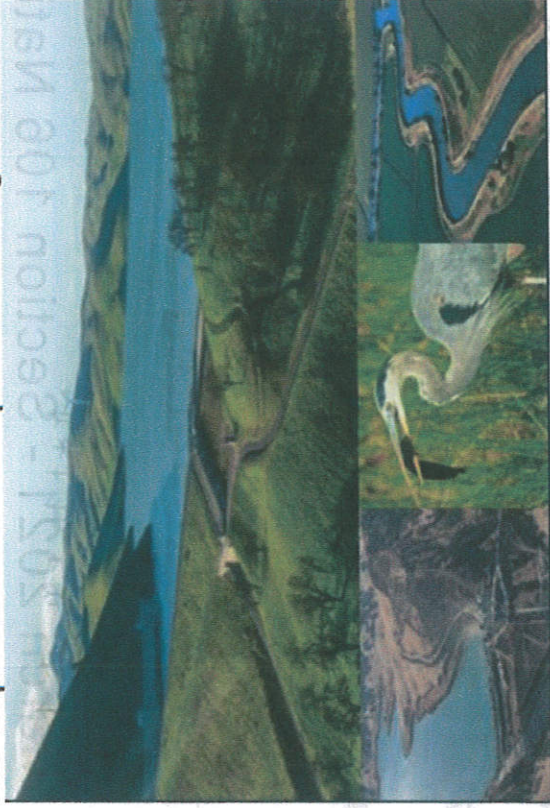


Final Feasibility Report



Final Feasibility Report

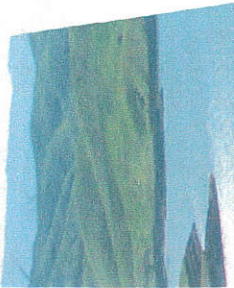
Los Vaqueros Reservoir Expansion Investigation



- Published in August 2019
- Secretary of Interior authorized the LVE as a feasible and recommended project for implementation
- Project authorized for federal cost share of 25%
- FY21 Federal Apportionment: \$10 million for construction and \$4.1 million for

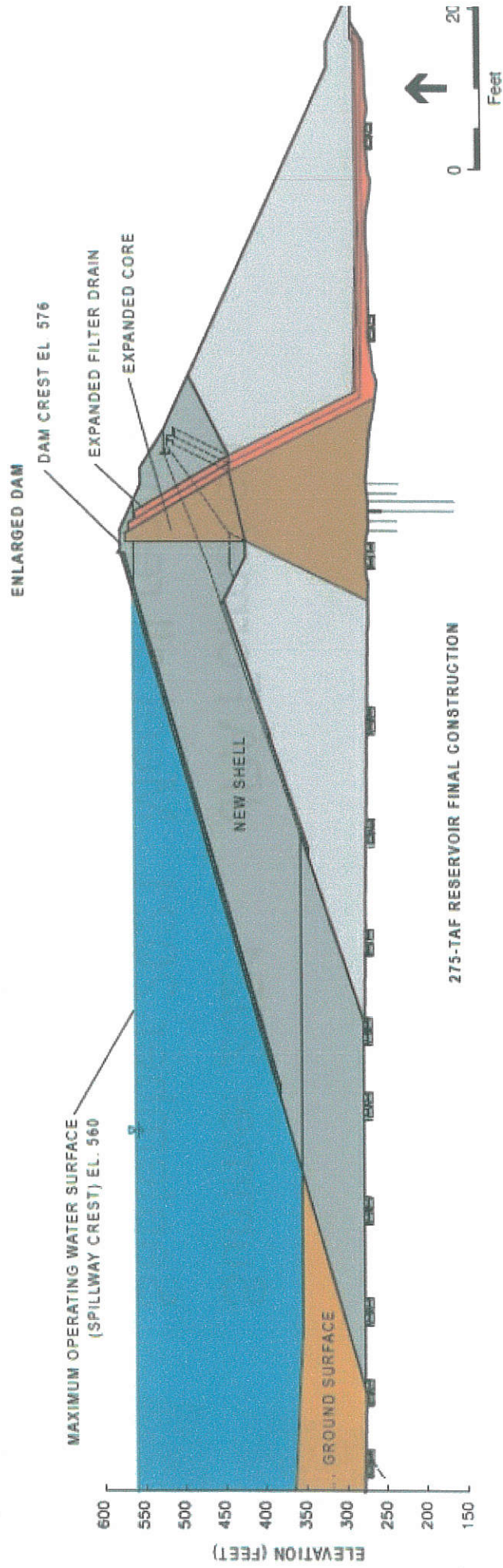
Permitting

- **Update existing state and federal permits**
- **Consultations/Applications Status**
 - Completed
 - Fish and Wildlife Coordination Act Report
 - Initiated/Submitted
 - January 2021 - Section 404/401 Clean Water Act
 - March 2021 - Section 106 National Historic Preservation Act – Terrestrial
 - April 2021 - Section 7 Endangered Species Act – Terrestrial
 - April 2021 - Section 783.2 CA Incidental Take – Terrestrial
 - In Progress
 - Section 1600 Lake and Streambed Alteration Agreement
 - Section 7 Endangered Species Act - Aquatic



Design

- **LV Dam Expansion**
 - 50% Design submitted for DSOD review
- **Contra Costa Canal Pumping Plant No. 1 Replacement**
 - Completed Preliminary Design
- **Transfer-Bethany Pipeline**
 - Final Design in progress



Preconstruction Schedule



Summer 2021

JPA Formation



September 2021

Meet all requirements for Prop
2022 deadline

Spring 2022

Complete Permits



Spring 2022

Contracts for Administration Pu

Summer 2022

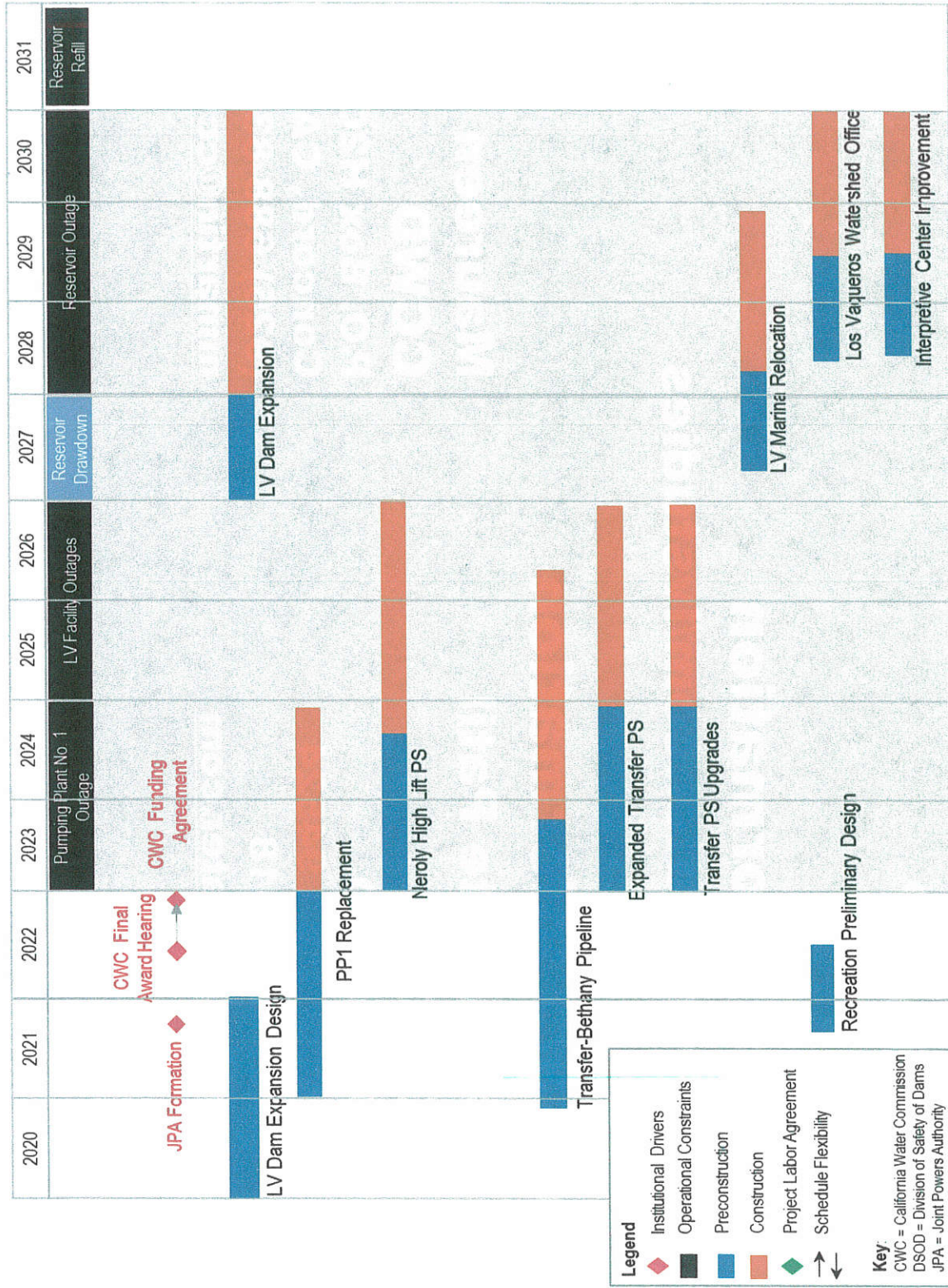
CWC Final Award Hearing

Fall 2022

Execute CWC Final Funding Aç



Construction Schedule



Legend

- Institutional Drivers (Red Diamond)
- Operational Constraints (Black Bar)
- Preconstruction (Blue Bar)
- Construction (Orange Bar)
- Project Labor Agreement (Green Diamond)
- Schedule Flexibility (Grey Bar)

Key:
 CWC = California Water Commission
 DSOD = Division of Safety of Dams
 JPA = Joint Powers Authority

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Thank You

Questions?

Project Information

www.ccwater.com/lvstudies

Contact Information

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