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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: January 7, 2022

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. **Right-of-Entry Permits have been extended through January 2022 to conduct the Aquatic Resources Delineation and Geotechnical work. Discussions regarding a License Agreement has been initiated.**
- 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 meetings with landowners to discuss project operations and benefits to adjoining landowners. **Anthea and Jarrett continue to work with the owner of the 80-acre pond**

site to complete purchase. In addition, discussions have been initiated with the landowners along the pipeline routes.

- 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 State Historic Preservation Office (SHPO) consultation has been completed by Reclamation and the SLDMWA Access Permit has been extended to cover additional exploratory (ground disturbing) 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. AE and Live Oak completed non-ground disturbing surveys. **The State Historic Preservation Office (SHPO) consultation has been completed by Reclamation which allowed them to authorize the SLDMWA Access Permit extension to cover additional exploratory (ground disturbing) work within Reclamation right-of-way. The Aquatic Resources Delineation survey will be done on 1/6/2022.**
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. **Cultural and Biological reports were received from subconsultants and have been reviewed by USBR. USBR accepted the Bio Report and provided comments on the Cultural report. Edits to the Cultural Report were made by AE. USBR submitted the SHPO Section 106 Consultation letter on November 24, 2021 and received concurrence on December 16, 2021 which opened the door for ground disturbing investigations to begin. The aquatic resources survey was completed 1/6/2022 and Geo-technical activities will be completed later in January.**
 - 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. Biological and cultural subconsultants completed additional site work and reports which were provided to P&P for inclusion in the CEQA/NEPA document. **The 106 Consultation was completed by USBR and SHPO, the aquatic resources delineation site investigation and biological study will be completed and incorporated into the draft CEQA/NEPA document.**

- 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. Project Operations: **The Participants have been meeting with Reclamation regarding Orestimba Creek Turnout and Recharge Pond Operations along with other sources of supply.**
3. Permits
- a. Downloaded and began filling in the following permit applications:
 - 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.
 - b. Water Rights Permits: **Participants began water right application process with Woodard & Curran and Dan Steiner for a temporary and permanent water right on Orestimba Creek. Mr. Steiner has completed the water availability analysis based on the simplified permit processes required by Reclamation. Permit application submittal is targeted for January 10, 2022.**
 - c. Draft applications for Lake and Streambed Alteration, 404 and 401 have been prepared and initial contact has been made with CDFW and RWQCB and attempted to make contact with USACE. All three applications require that the Aquatic Resources Delineation (ARD) be complete before they can be submitted.
 - d. Uploading Permit Applications:
Each Permit Application to be uploaded once ARD completed.
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.

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- 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 were identified during the 50% design. P&P will be soliciting proposals for companies that can locate the irrigation lines and Underground Service notifications were distributed to the utilities in the area. Responses have been received from utilities in the area and have been incorporated into the design.
 - 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. **P&P submitted the 50% complete plans, specifications and construction estimate to the participants on 9/14/2021 for review and comment.**
 - j. **CCID 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 evaluating new aquifer information from the pilot holes in the area. The new information will help inform the decision on where to place wells and at what depth to complete them. Discussions were initiated with a landowner regarding use of an idle well near the CCID Main Canal.**
 - k. **Plans were revised to support a lower water surface profile at the DMC Box Culvert and raise the distribution box and junction box height at the DMC 51.65L Turnout based on comments received from BOR and USBR during meeting on 12/14/21.**
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 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. **Participants have worked with SWG Administrators to finalize grant agreement documents, which included submitting updated facilities with associated budgets, and cost tracking forms.**
- c. **The project schedule has been updated to reflect the SHPO and Permit consultation processes which may push the construction schedule into 2023.**

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. **Ken has evaluated 4 sites and is recommending other sites to explore and what yield is expected. DONE**
 - d. DPWD has been collecting water quality samples over the summer from growers in project area to help with selecting recovery well locations. **DONE**
 - e. Assist with obtaining Right of Access agreements for ground disturbing biological, cultural, and geotechnical investigations. **DONE**
 - f. **CCID to authorize P&P to circulate joint CEQA/NEPA Document to State Clearing House for Public Review once Reclamation accepts responses. Underway**
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 – Done for Bio and Cultural, pending for Geotech. Geotechnical work will begin in January.**
 - 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. Non-ground disturbing surveys have been completed. **DONE**
 - 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. The revised project description and biological investigation has been incorporated into the CEQA/NEPA document.

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USBR provided comments on the cultural report which was then finalized and has been incorporated into the CEQA/NEPA document.

- e. Continue preparation of draft permit applications. **Ongoing**
 - f. Once directed by the Participants, prepare draft specifications and 50% plans. Started 60% plan drawings March 3, 2021. **The 50% plans, specifications and engineer's estimate for construction were submitted to participants on September 14, 2021. Comments were incorporated into design set and the plans were provided to Reclamation, SLDMWA and SWG Administrator on January 5, 2022.**
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. **Ongoing**
 - b. Once well locations have been determined and right of entry agreements have been amended for ground disturbing activities, perform biological investigation. **DONE**
 - c. Once well locations have been determined and right of entry agreements have been amended for ground disturbing activities, perform cultural investigation. **DONE**
 - 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. An on-site field tour occurred on August 10, 2021 with Participants, Reclamation Cultural staff and SLDMWA staff to review the Area of Potential Effect (APE). **DONE**
 - g. **USBR Environmental Team to review responses to their comments and begin public review process of Draft Environmental Assessment with goal of issuing findings in early February. Underway**

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X. B.

Congress of the United States
Washington, DC 20515

January 4, 2022

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

The Honorable Camille Touton
Commissioner
U.S. Bureau of Reclamation
1849 C Street NW
Washington, D.C. 20240

Dear Secretary Haaland and Commissioner Touton:

Thank you for your partnership in working with Congress to pass the Infrastructure Investment and Jobs Act (IIJA) into law. This legislation makes significant new federal funding available to address long-overdue and much needed investments in our nation’s aging infrastructure. Given the state of our nation’s infrastructure, which the American Society of Civil Engineers recently rated a C-¹, it is essential that we allocate these new funds in a manner that will most effectively benefit the American public.

As you know, California recently experienced the second driest year in its historical record in 2021, following the fifth driest year in 2020. This two-year dry period continues the theme of aridity California has been experiencing in the 21st century, including the three-year drought of 2007-2009 and the five-year one of 2012-2016. In the San Joaquin Valley, which is responsible for producing over 40 percent of our nation’s fruits, vegetables, and nuts, lack of water leads to fallowed fields, lost jobs, and reduced economic outcomes for those who raise and tend those crops, our farmworkers and farmers. However, it’s important to be aware that drought impacts far more than just farms and fields. It means lost jobs, less revenue for local schools and first responders, decreased public health outcomes, and less financial support for the small businesses and local economies. It is the local businesses that depend on the dollars earned by farmworkers and their families. We have an imperative to implement those lessons learned from previous droughts and utilize all the water tools in our water toolbox.

The recent rains in California are much welcomed and give us hope of averting another extreme dry year. However, we must prepare for hydrological conditions over the next year that are yet to be determined. Notwithstanding this early precipitation, it is all the more reason that we take a multi-faceted, all-of-the-above approach to water infrastructure. California must be prepared for managing current and future hydrological conditions with more extreme droughts, a depleted Sierra snowpack, and wet years where more precipitation falls as rain.

As your agencies work to finalize a spending plan to implement the provisions of IIJA, we respectfully request that you to give full consideration to the following recommendations for prioritizing the funding provided by this historic infrastructure law:

¹ <https://infrastructurereportcard.org/>

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- Building major storage projects in California such as B.F. Sisk Dam Raise and San Luis Reservoir Expansion, Sites Reservoir Project, Los Vaqueros Reservoir Expansion, Del Puerto Canyon Reservoir Project, Pacheco Reservoir Expansion, and Kern Fan Groundwater Storage Project, which enjoy broad regional support and have multiple benefits, including storing more water in wet years to use in dry years.
- Completing seismic retrofits at B.F. Sisk Dam in conjunction with expansion of San Luis Reservoir to create cost efficiency.
- Restoring the carrying capacity of canals in the San Joaquin Valley, including the Delta-Mendota Canal, Friant-Kern Canal, and the California Aqueduct.
- Projects that help ease the transition to compliance with California's Sustainable Groundwater Management Act.
- Multi-benefit projects in key regions, particularly groundwater recharge projects that will have positive impacts on groundwater sustainability while providing other benefits such as water supplies for disadvantaged communities or seasonal wetlands for waterfowl and other species.
- Expediting the delivery of aging infrastructure funding, particularly for major rehabilitation and replacement activities located in the San Joaquin Valley that are listed in the Bureau of Reclamation's April 2021 Asset Management Report.
- Recycling projects with the potential to increase the availability of Central Valley Project and State Water Project supplies for water transfers to other regions and reduce sole source reliance on the Delta.

Thank you for considering our recommendations. We are confident the work your agencies do to implement IJIA funding will provide direct and positive impacts for the people of the San Joaquin Valley, California, and the nation. We look forward to continuing to work with you to ensure this funding is spent where it will have the greatest benefit to our constituents, to our state, and the nation.

Sincerely,



JIM COSTA
Member of Congress



JOSH HARDER
Member of Congress



Meeting Agenda

Meeting of the California Water Commission
Wednesday, December 15, 2021
Beginning at 9:30 a.m.

As a result of the COVID-19 emergency and pursuant to Government Code 11133, the December 15, 2021 California Water Commission meeting will not have a physical location. This will be a remote-only meeting, conducted via a web-based videoconferencing service called Zoom. The Commission remains committed to transparency. Members of the public will be able to listen to and watch the meeting and comment if desired.

Registration is not required to provide public comments. Members of the public who wish to comment during the meeting can do so by joining on Zoom (<https://us02web.zoom.us/j/85484578491?pwd=RzIGeVkrRFpjeVINOXNyUnZwb25lQT09>). More detailed instructions on how to use Zoom and participate in the meeting can be found on the Commission website.

Alternatively, members of the public can offer verbal comments by telephone by calling one of the numbers below:

(408) 638-0968
(669) 900-6833
Meeting ID: 854 8457 8491
Passcode: 067304

The meeting will be webcast live at: <https://www.water-ca.com/>. Individuals who only want to watch or listen should use this option as it preserves interactive meeting resources for those who are commenting on items.

1. Call to Order

2. Roll Call

3. Closed Session

The Commission may hold a closed session, as authorized by Government Code §11126(e), to confer with and receive advice from its legal counsel regarding potential litigation, and as authorized by Government Code §11126(a).

4. Approval of November 17, 2021 Meeting Minutes

5. Executive Officer’s Report

The Executive Officer will report on various matters addressed since the previous Commission meeting.

6. Commission Member Reports

This is an opportunity for members to disclose any meetings or conversations related to Commission business since the previous Commission meeting.

7. Public Testimony

Although no formal Commission action will be taken, the Commission offers an opportunity for the public to address the Commission on items of interest that are within the Commission's jurisdiction, but that do not appear on the agenda.

8. Water Storage Investment Program: Kern Fan Groundwater Storage Project Continuing Eligibility and Feasibility Determination (Action Item)

Water Code §79757 states that a project is not eligible for Water Storage Investment Program (WSIP) funding unless, by January 1, 2022, the applicant has the project's draft environmental document out for public review; the Director of the Department of Water Resources (DWR) receives a commitment of at least 75% of the non-public benefit cost share; the feasibility documents are complete; and the Commission makes a finding that the project is feasible. Section 79757 also requires the Commission to make a finding the project will "advance the long-term objectives of restoring ecological health and improving water management for beneficial uses of the Delta." Commission staff will present a staff report and recommendation regarding the Kern Fan Groundwater Storage Project's continuing eligibility documents and feasibility. The Commission will determine whether the project is feasible based on staff information, consistent with the WSIP regulations and as required by Water Code §79757. The Commission previously made the finding related to the Delta during the initial evaluation of the project in 2018.

9. Water Storage Investment Program: Willow Springs Water Bank Conjunctive Use Project Continuing Eligibility and Feasibility Determination (Action Item)

Water Code §79757 states that a project is not eligible for WSIP funding unless, by January 1, 2022, the applicant has the project's draft environmental document out for public review; the Director of DWR receives commitments for at least 75% of the non-public benefit cost share ; the feasibility documents are complete; and the Commission makes a finding that the project is feasible. Section 79757 also requires the Commission to make a finding the project will "advance the long-term objectives of restoring ecological health and improving water management for beneficial uses of the Delta." Commission staff will present a staff report and recommendation regarding the Willow Springs Water Bank Conjunctive Use Project's continuing eligibility documents and feasibility. The Commission will determine whether the project is feasible based on staff information, consistent with the WSIP regulations and as required by Water Code

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§79757. The Commission previously made the finding related to the Delta during the initial evaluation of the project in 2018.

10. Water Storage Investment Program: Sites Project Continuing Eligibility and Feasibility Determination (Action Item)

Water Code §79757 states that a project is not eligible for WSIP funding unless, by January 1, 2022, the applicant has the project's draft environmental document out for public review; the Director of DWR receives commitments for at least 75% of the non-public benefit cost share; the feasibility documents are complete; and the Commission makes a finding that the project is feasible. Section 79757 also requires the Commission to make a finding the project will "advance the long-term objectives of restoring ecological health and improving water management for beneficial uses of the Delta." Commission staff will present a staff report and recommendation regarding the Sites Project's continuing eligibility documents and feasibility. The Commission will determine whether the project is feasible based on staff information, consistent with the WSIP regulations and as required by Water Code §79757. The Commission previously made the finding related to the Delta during the initial evaluation of the project in 2018.

11. Water Storage Investment Program: Pacheco Reservoir Expansion Project Continuing Eligibility and Feasibility Determination (Action Item)

Water Code §79757 states that a project is not eligible for WSIP funding unless, by January 1, 2022, the applicant has the project's draft environmental document out for public review; the Director of DWR receives commitments for at least 75% of the non-public benefit cost share; the feasibility documents are complete; and the Commission makes a finding that the project is feasible. Section 79757 also requires the Commission to make a finding the project will "advance the long-term objectives of restoring ecological health and improving water management for beneficial uses of the Delta." Commission staff will present a staff report and recommendation regarding the Pacheco Reservoir Expansion Project's continuing eligibility documents and feasibility. The Commission will determine whether the project is feasible based on staff information, consistent with the WSIP regulations and as required by Water Code §79757. The Commission previously made the finding related to the Delta during the initial evaluation of the project in 2018.

12. Water Storage Investment Program: Screening Project Feasibility Determinations (Action Item)

At its December 2020 meeting, the Commission directed staff to open a screening process to identify new potential WSIP projects. Screening projects must also meet the requirements of Water Code §79757, which states that a project is not eligible for WSIP funding unless, by January 1, 2022, the applicant has the project's draft environmental

document out for public review; the Director of DWR receives commitments for at least 75% of the non-public benefit cost share; the feasibility documents are complete; and the Commission makes a finding that the project is feasible. Water Code section 79757 also requires a finding regarding whether the project “will advance the long-term objectives of restoring ecological health and improving water management for beneficial uses of the Delta.” The Commission will decide whether to make findings that projects are feasible. The Commission will also decide whether the projects will advance the long-term objectives of restoring ecological health and improving water management for beneficial uses of the Delta. Projects that receive these findings would be eligible to apply to the WSIP to potentially receive available funding if the Commission decides to move forward with rulemaking and a second solicitation. There are other requirements to receive WSIP funding beyond Water Code section 79757.

12A. Regional Surface Water Supply Project

Commission staff will present a staff report and recommendation regarding the Stanislaus Regional Water Authority Regional Surface Water Supply Project’s feasibility. The Commission will determine whether the project is feasible based on staff information, as required by Water Code §79757. The Commission will also determine whether the project will advance the long-term objectives of restoring ecological health and improving water management for beneficial uses of the Delta.

12B. Del Puerto Canyon Reservoir

Commission staff will present a staff report and recommendation regarding the Del Puerto Canyon Reservoir’s feasibility. The Commission will determine whether the project is feasible based on staff information, as required by Water Code §79757. The Commission will also determine whether the project will advance the long-term objectives of restoring ecological health and improving water management for beneficial uses of the Delta.

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13. Consideration of Items for Next California Water Commission Meeting

14. Adjourn

The Commission may break for lunch as needed.

At the discretion of the California Water Commission, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated upon and may be subject to action.

Further information regarding this meeting will be available at <https://cwc.ca.gov>.

- Members of the public shall be provided an opportunity to address the California Water Commission on any agenda item except closed session items. Comments during the public comment period shall be limited to matters within the Commission’s jurisdiction.

Reasonable time limits may be established for public comments (Government Code Section 11125.7), and the Commission has established a three-minute limit per comment.

- Agenda items may be heard in any order at the discretion of the Commission.
- **Written comments regarding specific items on this agenda will be provided to the Commissioners as part of their meeting packets if they are received by 5:00 p.m. on Monday, December 13, 2021.** Staff will make every effort to provide comments received after this deadline electronically, but we cannot make any guarantees.
- Copies of meeting materials are available on the Commission website. Anyone may request hard copies of these materials; however, the Commission may charge a fee covering the cost of providing such materials.
- The Commission intends to provide a webcast of the meeting. However, if technical difficulties interrupt the webcast at times, the full webcast video will be posted at cwc.ca.gov as soon as possible.
- If you require special accommodations, please call (916) 873-5774 or email cwc@water.ca.gov.
- For further information about items on this agenda please contact Brianna Shoemaker, Brianna.Shoemaker@water.ca.gov or (916) 902-6785 .

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MEMORANDUM

TO: Anthea Hansen, General Manager, Del Puerto Water District
FROM: Andy Neal
DATE: January 4, 2022
RE: Del Puerto Canyon Reservoir Progress Update for January 2022 Board Meeting

Ms. Hansen:

Below is a summary of our progress on the Del Puerto Canyon Reservoir project.

Project Goals:

- 1) Design, permit, and construct an 82,000 AF south-of-delta reservoir to provide locally-owned and controlled water storage for agricultural and west-side communities water supply.
- 2) Seek to obtain up to 25% federal cost share through the Water Infrastructure Improvements in the Nation (WIIN) Act. A proportional share of the project benefits are the federal benefits.

Design/Engineering Procurement

Responses to our RFP from prospective dam design teams were received December 17, 2021. These responses are under review. Interviews have been scheduled for January 25th, 2022. The interviews are likely to take place in Los Banos to accommodate a larger group in person.

We are still considering when to develop and release the RFP for the Del Puerto Canyon Road relocation. We have received some template RFPs from Stanislaus County to use as a basis for developing our RFP. It will incorporate language and standards that the County is comfortable with and we'll work closely with County representatives to ensure we have their input folded into the RFP.

As noted in our last report, we held a scheduling workshop with the project owners to plot out the course ahead and understand the critical path items to drive forward while balancing the need to stay within spending budgets.

Utility Relocation

Our team has continued working with PG&E, Stantec, and WAPA to advance their designs. Representatives from Stantec, working on behalf of PG&E, are layout out tower location and pad elevations as they approach a 30% design. Our team is developing a scope and level of effort estimate to design the network of tower access roads. This is an important part of the design to make sure all of the tower locations can be accessed for maintenance and construction.

Representatives from our teams meet bi-weekly on Tuesdays.

Environmental

USBR shared with our team the draft EIS just before the Thanksgiving holiday. We have added language to capture the relocated utility corridor that is now better defined than when the EIR was written. We



surveyed the broader corridor for cultural and biological resources and are developing chapters to support our fieldwork, which found that no new cultural sites or sensitive resources were identified.

Any further project refinements will be captured in a supplemental EIR sometime in the future.

Operations Modeling

We are working with Reclamation modelers alongside Dan Steiner and MBK to clarify some of the baseline modeling work we've developed as part of the EIR. This was requested to help facilitate the EIS modeling work.

New Road Alignment

We are continuing to try and interact with the representatives from Angels Crossing. In parallel, we are looking at additional potential relocation options for Del Puerto Canyon Road.

Public Outreach

No new public outreach has been performed, though we continue to monitor media sites for chatter on the project.

Political Outreach and Project Financing

The California Water Commission voted 5-3 in favor of our project to move forward should there be a second WSIP application opportunity. This was good news! Sometime in early 2022, CWC will decide whether to solicit a second round of WSIP projects. In the meantime, we are engaging with the CWC to help understand where we can improve our project to have the full support of the Commissioners should the opportunity arise to submit a formal application. If the Commission does decide on a second solicitation, rule making adjustments will take place in 2022 and the applicants would prepare a larger, formal application in the first half of 2023.

Programmatic

- 1) Weekly client meetings
- 2) Weekly Reclamation meetings
- 3) Weekly internal team meetings
- 4) Refined the schedule to identify critical path activities
- 5) Submitted November invoice and drafted December invoice

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Rep. Harder Reintroduces SAVE Water Resources Act



Congressman Josh Harder

Published: Oct 26, 2021, 9:11 PM

Representative Josh Harder (CA-10) has reintroduced the Securing Access for the Central Valley and Enhancing (SAVE) Water Resources Act. The bill provides a wraparound approach to addressing water issues facing the Central Valley by increasing storage opportunities, spurring innovation, and making “long-overdue investments in our aging water infrastructure,” said the congressman

This builds on Harder’s work delivering \$65 million in federal funds for the Del Puerto Canyon Reservoir and Los Vaqueros Reservoir Expansion projects earlier this year as well as his work leading a bipartisan coalition toward including \$8 billion in water investments in the bipartisan infrastructure bill. The bill is cosponsored by Representatives Costa, McNerney, Garamendi, and Panetta.

“We’re looking at another historic drought in our Valley and the old ways of thinking about water just won’t cut it anymore,” said Harder. “My SAVE Water Resources Act promises a new way forward on water. We’re bringing Democrats, Republicans, farmers and environmentalists together to make the investments we’ll need to get through this drought and every one that comes after.”

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The SAVE Water Resources Act touches on a broad range of water policy areas aimed at increasing water storage opportunities, spurring innovation in water sustainability, and making responsible federal investments in our aging water infrastructure. In brief, the bill:

Increases Storage

- Improves water storage by requiring the Bureau of Reclamation to expedite feasibility studies for two specific storage projects in the Central Valley: Del Puerto Canyon Reservoir, and San Luis Reservoirs.
- Helps farmers prepare for SGMA by leveraging federal resources to identify prime locations for groundwater storage and recharge in California and across the Western United States.

Spurs Innovation

- Creates the "X-Prize" program to incentivize private sector development of cutting-edge water projects.
- Invests in water reuse and recycling by increasing funding for WaterSMART programs from \$50 million to \$500 million and extending the program's authorization.

Invests Millions In Aging

Water Infrastructure

- Establishes a water infrastructure and drought solutions fund to provide \$750 million for water surface and groundwater storage, water reclamation and reuse, and WaterSMART program projects.
- Creates an innovative financing program which would provide low-interest federal loans to fund local water infrastructure projects.
- Reauthorizes the Rural Water Supply Act, which requires the Bureau of Reclamation to work with rural communities to improve access to safe and clean sources of drinking water.

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MONTHLY REPORT

FUNDING

The FY22 Continuing Resolution that went into effect September 30th included \$50 million in Federal funding for the Project. This is in addition to the \$14 million that was appropriated in FY21. Future Federal funding requests include the remainder of the maximum federal share of 25 percent of the total project cost (approximately \$160 million). Some portion of the federal funding share may be available in the Infrastructure Investment and Jobs Act that was signed on November 15.

Amendment No. 3 to the Multi-party Cost Share Agreement has been fully executed. Marguerite Patil, on behalf of CCWD, will serve as Interim Administrator of the Joint Powers Authority (JPA) until such time that the JPA can assume fiscal management responsibilities and execute an Interim Funding Agreement with the JPA Members. Maureen Martin will serve as Alternate Interim Administrator.

The following chart provides an overview of the MPA expenditures through November 30, 2021. The in-kind services, funds received, outstanding receivable, and cash on hand are shown through December 16, 2021. All LAPs remain in good standing on progress payments. The next invoice will be sent to the LAPs in January 2022.

DECEMBER 28, 2021

UPCOMING ACTIVITIES

January 12 at 9:30 a.m. – JPA Board Meeting via Zoom

January 26 at 4:00 to 5:00 p.m. - LVE General Managers Meeting via Teams

January - TBD – WIFIA workshop

January - TBD – Design Review Team meeting

UPCOMING LAP BOARD COORDINATION

TBD – Valley Water Storage Committee

ADDITIONAL PROJECT INFO

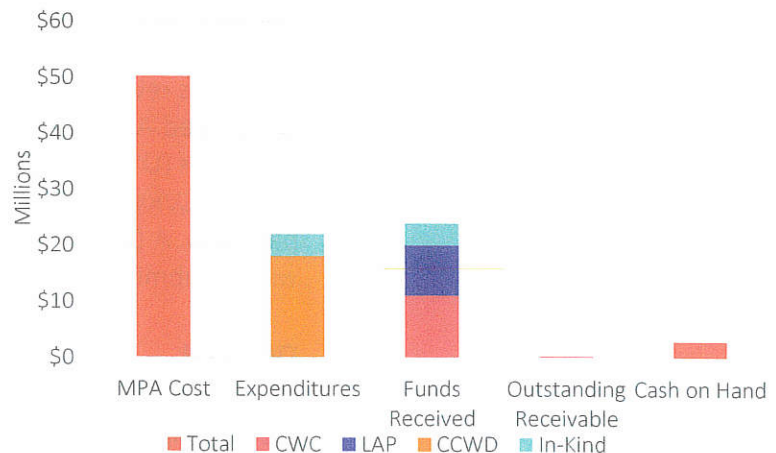
<https://www.ccwater.com/lvstudies>

<https://www.usbr.gov/mp/vaqueros/>

<https://cwc.ca.gov/Water-Storage/WSIP-Project-Review-Portal/All-Projects/Los-Vaqueros-Reservoir-Expansion-Project>

www.losvaquerosjpa.com

Multi-Party Agreement Summary To Date



JPA BOARD OF DIRECTORS MEETING

On December 8 the Los Vaqueros Reservoir Joint Powers Authority (JPA) Board of Directors met via Zoom. Director Ellen Wehr was elected as Secretary. The JPA Board voted to establish three committees: Finance, Operations and Engineering and Communications and Outreach. The JPA Board authorized execution of the Administrative Agreement with CCWD and the agreement is scheduled for CCWD Board consideration on January 5. The agreement includes administrative services provided by CCWD staff and consultants in accordance with the Multi-party Cost Share Agreement. The next monthly JPA Board Meeting has been scheduled for January 12 and it is anticipated that the meeting agenda packet will be distributed to JPA Directors and Alternates on Thursday, January 6 and posted to the JPA website on Friday, January 7.

PERMITTING

U.S. Fish and Wildlife Service (USFWS) is reviewing additional requested information related to the terrestrial Biological Assessment (BA). A Historic Properties Treatment Plan and Memorandum of Agreement, to support Section 106 of the National Historic Preservation Act consultation, are being developed. USFWS began review of the Eagle Take Permit application. California Department of Fish and Wildlife (CDFW) deemed the Incidental Take Permit application for terrestrial species complete. The second draft of the Incidental Take Permit for aquatic species has been reviewed CDFW. CCWD responded to CDFW's comments on the Compensatory Mitigation Plan which supports the federal and state Endangered Species Act permitting processes. Reclamation continues review of the plan. CDFW continues review of the Lake and Streambed Alteration Agreement package. The U.S. Army Corps of Engineers (USACE) and Central Valley Regional Water Quality Control Board (CVRWQCB) continue review of their respective permit packages. A Delta Plan Consistency Package has been prepared and will be submitted soon following outreach to key stakeholders.

DESIGN

CCWD prepared an initial draft of the Transfer-Bethany Pipeline (TBPL) alignment adjustment options technical memorandum. Coordination meetings with key local stakeholders to review alignments are planned for early January 2022. CCWD continued coordination with the California Department of Water Resources (DWR) on the 30 percent design of the Transfer-Bethany Pipeline Turn-in to the California Aqueduct.

Design of the LVE dam expansion and coordination with the California Division of Safety of Dams continues to progress. Preliminary design of Pumping Plant No. 1 is complete, and coordination with Western Area Power Administration is ongoing to support construction of a new substation. CCWD also initiated discussions with landowners to confirm locations of groundwater disposal during construction.

Planning for Design Review Team (DRT) meetings is underway, and a request to identify LAP staff to serve as lead representatives to the DRT was recently sent. The first meeting is planned for late-January 2022 to provide technical updates on project progress.

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SANTA CLARA VALLEY WATER DISTRICT (VALLEY WATER)
WATER STORAGE EXPLORATORY COMMITTEE

DRAFT MINUTES

FRIDAY, OCTOBER 29, 2021
12:00 PM

(Paragraph numbers coincide with agenda item numbers)

A regular meeting of the Water Storage Exploratory Committee (Committee) was held on October 29, 2021, via Zoom.

1. CALL TO ORDER

The Water Storage Exploratory Committee was called to order by Committee Chair Director Gary Kremen at 12:00 p.m.

1.1 ROLL CALL

Valley Water Board Members in attendance were: Committee Chair, Director Gary Kremen (District 7), Director Richard P. Santos (District 3), and Director John L. Varela (District 1).

Valley Water Staff in attendance were: Emmanuel Aryee, Aaron Baker, Glenna Brambill, Bart Broome, Andrew Garcia, Vincent Gin, Alexander Gordon, Samantha Greene, Andy Gschwind, Michael Hagerty, Christopher Hakes, Brian Hopper, Dana Jacobson, Cindy Kao, Kathleen Low, Michael Martin, Ryan McCarter, Heath McMahan, Carmen Narayanan, Carlos Orellana, Melih Ozbilgin, Steven Peters, Melanie Richardson, Metra Richert, Don Rocha, Jamie Silva, Charlene Sun, Darin Taylor, Jing Wu, and Beckie Zisser.

Guests in attendance were: Brad Gleason (Pleasant Valley Water District {PVWWD}), Thomas Francis and Danielle McPherson (BAWSCA), Bob Green (AECOM), Anthea Hansen (Del Puerto Water District), Hon. Steve Jordan (BAWSCA and Purissima Hills Water District), Maureen Martin, Ph.D., and Marguerite Patil (Contra Costa Water District {CCWD}), Hon. Paul Sathy and Hon. John Weed (Alameda County Water District {ACWD}).and Eric Zagol (Mott Macdonald).

Public in attendance were: Gabriel J Alcantar, Jim Bowley, David Cramer, Fenerty Family, Rachel Glauser, Osha Meserve, Doug Muirhead, and Dave Niese.

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2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON AGENDA

There was no one present who wished to speak.

3. APPROVAL OF MINUTES

3.1 APPROVAL OF MINUTES

It was moved by Director Richard P. Santos, second by Director John L. Varela, and by roll call and unanimous vote carried to approve the minutes of the July 19, 2021, meeting of the Water Storage Exploratory Committee as presented.

4. ACTION ITEMS

4.1 GROUNDWATER BANK UPDATE

Mr. Andrew Garcia reviewed the materials as outlined in the agenda item.

The Water Storage Exploratory Committee discussed the following: alternate water sources, cost for pumping, ranking the banks, exchange issues, and any other semi-tropic water.

Ms. Cindy Kao and Mr. Vincent Gin were available to answer questions.

The Water Storage Exploratory Committee took no action.

4.2 LOS VAQUEROS RESERVOIR EXPANSION PROJECT UPDATE

Mr. Michael Martin reviewed the materials as outlined in the agenda item.

The Water Storage Exploratory Committee discussed the following: JPA formed but has not met yet.

The Water Storage Exploratory Committee took no action.

4.3 PACHECO RESERVOIR EXPANSION PROJECT STAFF RECOMMENDED ALTERNATIVE AND PROJECT UPDATE

Mr. Ryan McCarter reviewed the materials as outlined in the agenda item.

The Water Storage Exploratory Committee discussed the following: alternative borders-State Park, tribal discoveries-mitigation, touring sites, agricultural concerns, draft EIR release, WIFIA Loan rate, and partners level of interest.

Public Comment Received:

Hon. Steve Jordan-congratulations on the progress, costs, and partners this is good news.

Ms. Charlene Sun was available to answer questions.

The Water Storage Exploratory Committee took no action, however, suggested having Director John L. Varela continue to build relationships with the elected officials.

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4.4 STANDING ITEMS REPORT

Mr. Vincent Gin, Mr. Andrew Garcia and Ms. Cindy Kao gave verbal reports on the following projects:

Semitropic:

- 90 % full, DWR-recovering water, South Bay Contractors, No challenges, safety withdrawals,
- Salinity, have to stop pumping they'll have to reverse flow/if hydrology is low as well

Sites

- Project agreement, JPA Board approves additional WIIN Act funding, Amendment 3.

B.F. Sisk Dam Raise Project

- EIR final report, single participation approach, cost allocations.

Mr. Aaron Baker was available to answer questions.

The Water Storage Exploratory Committee took no action.

4.5 REVIEW WATER STORAGE EXPLORATORY COMMITTEE WORK PLAN AND THE COMMITTEE'S NEXT MEETING AGENDA

Ms. Glenna Brambill reviewed the agenda materials as outlined in the agenda item.

Schedule tours and invite Pacheco Pass Water District and CAL Fire.

The Water Storage Exploratory Committee took no action.

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE ACTIONS

Ms. Glenna Brambill noted there were no action items for Board consideration.

6. ADJOURNMENT

Committee Chair Director Gary Kremen adjourned the meeting at 12:57 p.m.

Glenna Brambill
Board Committee Liaison
Office of the Clerk of the Board

Approved:

Attachment 1
Page 3 of 3

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XF.



PUBLIC WORKS DEPARTMENT
2220 HACKETT ROAD
CERES, CA 95307-3600
(209) 538-5732
FAX (209) 538-5605

City of Ceres
Public Works Department
Request for Engineering Services
Wastewater Treatment Plant Export Pump Station Pumping Improvements

The City of Ceres was contacted by the Del Puerto Water District (Del Puerto) regarding the potential for Ceres to increase near-term effluent pumping to the City of Turlock Regional Water Quality Control Facility (RWQCF). The reason for Del Puerto's request is to increase the water available to Del Puerto as recycled water through the North Valley Regional Recycled Water Program (NVRWP). In order to accomplish this increase, physical improvements are necessary at the City of Ceres Wastewater Treatment Plant (WWTP), commencing with increasing the pumping capacity of the Ceres export pump station. Depending on discharge quality limited by the Turlock RWQCB. Current estimates for the design and construction of these facilities indicate a total project cost of approximately \$0.95 million (M). The specific improvements identified include:

Scope of Services:

This Scope of Services includes tasks to be completed by the engineering firm. Items within this scope of work include:

1. Replacement of the three existing 30 Hp submersible pumps with 85 Hp pumps
2. Modifications to the pump discharge piping and wet well floor to accommodate the larger pumps
3. Major improvements to the power systems feeding the export pump station
4. New electrical cabinets for the larger pumps
5. Pump station updated operational strategies and programming and integration into the City's WWTP SCADA system

Background:

The City's Wastewater Treatment Plant was constructed in 1975. Several upgrades to the plant have been made including an export pipeline. The export pipeline was installed in 2000 and designed to transport up to two (2) million gallons daily (MGD) of treated wastewater flow from the Ceres Wastewater Treatment Plant to the City of Turlock. This export of wastewater decreases the amount of water on site that is percolated into the ground. Currently, the pipeline delivers one (1) MGD continuously and reliably.

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The City of Ceres went into agreement with the City of Turlock on October 28, 2003 to deliver up to one (1) million gallons a day to the City of Turlock's Wastewater Treatment Plant. This agreement was updated to deliver up to two (2) million gallons a day on January 9, 2007. A portion of the treated effluent is provided to Del Puerto Canyon for irrigation purposes.

The City of Ceres has a pump station that exports wastewater to Turlock through a fourteen (14) mile pipeline that is eighteen (18) inches in diameter. Studies conducted previously, as well as requests from Del Puerto Canyon for more water, have led staff to inquire further on expanding the export pump stations ability to increase wastewater flows to the City of Turlock. The City is seeking conceptual designs with cost analysis to increase the pumping capacity of the export pump station. The Consultant shall provide coordination between the Cities of Turlock, Ceres, and Del Puerto Water District.

The selected Consultant will review the Export Pump Station requirements, including electrical modifications, to increase the effluent to a 2.5 million gallons a day to the City of Turlock. The following is a scope of work; the specifications and budget for the project need to be prepared. Coordination with Woodard and Curran and Del Puerto Water District for grant opportunities are necessary to assist with the project cost.

Export Pump Station Scope of Services

The Export Pump Station project is segregated into several phases and is described below.

Task 1 - Participate in coordination with Del Puerto and the City of Turlock through the design and funding process, provide project management during the design effort, and provide pre-design period equipment procurement and geotechnical services. The project management and pre-design services will include:

1. Provide project management, communication, and coordination with the City throughout the design phase of the project, expected to be approximately five months
2. Throughout the design process, attend bi-weekly coordination conference calls with the City of Ceres and Del Puerto for the purpose of reviewing project progress, schedules, and other relevant discussion points. Approximately sixteen bi-weekly meetings, requiring no more than two engineering hours per meeting for preparation, attendance, and follow-up are expected
3. The Del Puerto Water District will be pursuing grant funding to assist in project funding. The Consultant shall provide project information for Del Puerto's use in preparing such applications. The effort is assumed to consist of developing a limited number of project descriptions, cost estimates, and project schedules, to be provided to Del Puerto for including in grant application documents
4. Additional meetings and communication between the City of Ceres, City of Turlock, and Del Puerto Water District are expected to be needed related to technical and/or agreement items related to the project. The Consultant will support the City during those meetings, including preparing technical information, attending the meetings, and providing

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appropriate follow-up. The expected budget for this sub-task is based on a total of five virtual or in-person meetings for agency coordination

5. Procurement of key equipment items is expected to be the primary schedule driving factor. To facilitate as rapid a project completion as practicable, we are proposing to negotiate pre-purchase of certain equipment items including pumps and variable frequency drives (VFDs). Under this sub-task, the Consultant and the electrical engineering sub-consultant shall solicit and negotiate pre-purchase of the project pumps and VFDs for novation to the construction contractor at the time of bidding. The Consultant shall prepare a draft assignment and novation agreement based on prior projects for City level counsel review. For sole source items, the Consultant shall provide the City with a template City Council Resolution for authorizing sole source purchase based on applicable provisions of the Public Contract Code. Under this sub-task, assume that the pre-purchase documents will consist of a scope of supply/service, bid form, supply contract, and template assignment and novation agreement
6. The proposed project will require amendment of the current agreements between the City of Ceres and the City of Turlock. The Consultant shall provide technical support, budgeted at 24 engineering hours, to the City of Ceres in developing the scope and technical details of an amended agreement for increasing discharge of effluent to the Turlock RWQCF

Task 2 - Prepare design documents for the export pump station pumping improvements at the Ceres WWTP. This task includes the following design document preparation and design related sub-tasks:

1. Limited topographic survey and existing conditions mapping will be completed to include topographic mapping of the existing Ceres WWTP site at the export pump station location. Topographic survey and mapping will include key surface features and accessible utilities and structures within the expected construction/design limits of the project. City-provided survey control will be used if available
2. Design documents, consisting of plans, technical specifications, and an opinion of probable construction cost, shall be developed to the 60% level of development for City review. The 60% design submittal is proposed to include:
 - a. 60% level of development drawings including:
 - i. General sheets
 - ii. Demolition sheets
 - iii. Mechanical plans for existing pump station modifications
 - iv. Electrical plans and single-line diagrams
 - b. Table of contents for technical specifications, with select specifications developed to near 90% level (e.g., submersible pumps, vertical effluent pumps, and VFDs) for review
 - c. 60% level of development opinion of probable construction cost
3. Following review of the 60% design documents, the design documents will be developed to the 90% level of development for City review. The 90% design submittal is proposed to include:
 - a. 90% level of development drawings including:

- i. General sheets
 - ii. Demolition sheets
 - iii. Mechanical plans and details for existing pump station modifications
 - iv. Electrical plans, single-line diagrams, and details
 - v. Process and instrumentation diagrams
- b. Technical specifications developed to the 90% level
 - c. 90% level of development opinion of probable construction cost
4. At the 90% level of development, the Consultant shall prepare the contract documents for the project. This task includes using the EJCDC standard contract form templates with City of Ceres-specific agreement if appropriate. Contract documents will be submitted for review between the 90% and 100% design document stages. Contract documents will include:
 - a. Bidding notice, forms, and instructions
 - b. Agreement and bond and certification documents
 - c. General Conditions and City-specific Special Conditions
 5. The Consultant shall prepare for and conduct design review meetings (either in person or virtual) at the 60% and 90% level of development stages
 6. Following input to the 90% design documents and review of the draft Contract Documents, the Consultant shall prepare the 100% bid set of design and contract documents stamped for bidding. The City anticipates bidding of the project using electronic versions (Portable Document Format, PDF) of the documents

Task 3 - Provide limited support to the City through the bidding process, assuming that documents will be posted through the City of Ceres on-line bidding website. Final documents prepared under the previous task (Task 2) will be provided to the City for posting in electronic PDF format. During the bidding and contracting phase, the Consultant shall provide the following:

1. Addendum will be prepared where bidder questions, new information required for clarification, or City requirements dictate formal clarification or addition to the contract documents. It is anticipated to prepare one minor contract document clarification (including plans and specification revisions) as addendum. All bid-period responses will be provided to the City for posting through the City's on-line bidding website
2. Attend an on-site pre-bid meeting with prospective bidders. This task assumes that the City will manage the following bid-period items:
 - a. Electronic posting of all documents and all administrative related bid
 - b. Responding to bidder inquiries regarding administrative items or items that only require directing the prospective bidder to sections on the documents for answers
 - c. Preparing and posting addendum related to administrative items, such as changes in bid date and time
 - d. City will review the bids for responsiveness to bidding requirements and provide any review of bidder responsibility

Task 4 – The Consultant shall provide design-related construction period support to the City including design services during construction and startup and system programming support.

Active construction is anticipated to be conducted over a four-month period (which does not include time for procurement of long-lead equipment). The expected construction period services include:

1. The Consultant shall prepare for and attend the following construction-period meetings:
 - a. Pre-construction meeting
 - b. Construction period progress meetings (anticipated to be no more than semi-weekly)
 - c. Final walk-through and punch list site visit
2. The Consultant shall support the City and the Contractor on systems startup and programming. Electrical sub-consultant shall provide all programming of existing and new PLCs related to the export pump station. SCADA application development is excluded; however up to 24 hours of coordination and testing time are included to interface with the City's SCADA Consultant. Startup and programming support is anticipated to consist of two people over 10 days for system programming and startup to include:
 - a. Export pump station PLC programming
 - b. Coordination with City's SCADA consultant
3. The Consultant shall review contractor supplied submittals and RFIs. Our budget assumes a total of 15 submittals and 10 RFIs, with an average of 2 to 3 hours review per submittal or RFI

Note: This task assumes that the City will manage the following construction-period items:

1. Construction management and contract administration during construction to include:
 - a. Preparation of compiled contract documents integrating addendum and pre-purchase requirements
 - b. Document control and tracking
 - c. Review and tracking of the contractor's progress under their proposed schedule
 - d. Review of contractor pay requests
 - e. Processing and tracking of Requests for Information, potential change orders, and field directives
 - f. Contract related correspondence with the Contractor
 - g. Review and screening of Contractor RFIs, submittals, and other correspondence for consistency with Contract requirements before forwarding to Consultant for input
2. Preparing for and coordinating the following construction-period meetings:
 - a. Pre-construction meeting
 - i. Construction period progress meetings (anticipated to be weekly to semi-weekly)
 - ii. Final walk-through and punch list site visit, with attendance by key Consultation staff
 - iii. Integrating equipment pre-purchase requirements into the Contractor's contract and scope and contract of supply between the pump and/or VFD supplier initially coordinated by the Consultant
 - iv. Construction observation, including review of civil, electrical, and mechanical project components, provided by the City using staff experienced with water/wastewater related infrastructure, electrical, and instrumentation

Tank 5 – Following completion of construction and during initial system startup and commissioning, the Engineering team will assist the City with the following post-construction services:

1. Record drawings will be prepared based on contractor-maintained redline markups. Record drawings will be provided to the City in PDF format.
2. A key objective of the export pumps station pumping improvements is the increase in discharge quantity and pressure to the City of Turlock RWQCF. After project commissioning, the Consultant and Contractor staff will work closely with City operations staff to monitor and stress test the improved system to assess the effect and effectiveness of the improvements to reduce suspended solids, biochemical oxygen demand, flushing capabilities, and ultimately flow and pressure conditions in the discharge to Turlock. The Consultant and Contractor staff will monitor system stress testing with City staff, collect operational measurements, and evaluate system performance. A performance review memorandum will be prepared assessing the initial effectiveness of the system improvements and informing the operational requirements.
3. Since operation of the export pump station will change operations of the WWTP, per the requirements of the Standard Provisions and Reporting Requirements of the City's Waste Discharge Requirements updates to the system operations plan must be made. The Consultant will prepare separate updated export pump station operations plan for including into the City's WWTP Operation and Maintenance Manual. Operations plan will be prepared in draft form for City review and final documents revised per City comments and delivered as PDF documents.

Scope Understandings and Assumptions

The proposed scope of services and budget are based on the following additional limitations, assumptions, and understandings:

1. CEQA document preparation, environmental information and CEQA alternatives analysis or environmental permits will be prepared under separate scope or by others.
2. Design review will be by the City Public Works Department and separate Building Department review and approval of the project will not be required.
3. Pre-purchase of pumps and VFDs will consist of awarding the supply contract and Consultant reviewing initial submittals for conformance with Contract requirements before the contract for supply, installation, and startup of the equipment is assigned to the Construction contractor. It is assumed that the City and Consultant will not be responsible for procurement, scheduling, or installation coordination after assignment of the supply contract to the Construction contractor.
4. Design review, if any, by Del Puerto is expected to be limited and not result in substantive comments.
5. Preparation of contract change orders, the Consultant shall provide design-related services on a time and expense basis per potential contract change order.
6. Revisions to the Report of Waste Discharge, and any associated Basin Plan Amendment reporting, if any, would be provided under separate contract.

7. Design of improvements to accommodate use of the existing filters will be under separate authorization.

Assumptions:

1. The project management and programming budget shall be based on a total design project duration of 4 months
2. Sufficient monumentation will be locatable to determine right-of-way and property limits

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