

February 28, 2023

Jarrett Martin, General Manager
Central California Irrigation District
PO Box 1231
Los Banos, CA 93635

**RE: Scope Amendment for Change Order Work
Construction Administration and Land Surveying Service for
Orestimba Creek Recharge & Recovery Expansion Project**

Dear Mr. Martin:

Provost & Pritchard Consulting Group (P&P) previously provided the Central California Irrigation District (CCID, District) a proposal letter dated January 19, 2023 for on-call construction services for the above referenced project which was approved on February 8, 2023. To track the costs of various work requested, we propose to create a separate phase within the On-Call Construction Services project for all work associated with change orders.

To date, the District has requested the following changes to the design plans:

1. Relocation of the Electrical Building at the Orestimba Creek Turnout
2. Lowering the Pump Station by approximately 2.5 feet
3. Sheet Piling and the addition of a weir at the Toe Ditch
4. Shoring at the meter and vault at the turnout at Sta 51+65

We anticipate the cost of these changes will be approximately \$13,000.

We propose to create a new phase "CO-Change Order Work" with a budget of \$13,000 and will bill our time and any subconsultant time for WAVE Engineering for all work associated with these changes to this phase. The total budget for this Project 3510-23-001, is now \$33,000. The work will be billed on a time and materials basis. We will work closely with you and notify you before any budget exceedances.

If this amendment is acceptable, please sign below and return a copy to our office.

Sincerely Yours,
Provost & Pritchard Consulting Group



Calvin Monreal, RCE 65453
Principal Engineer



Joe Hopkins, RCE 74955
Director of Operations

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Terms and Conditions Accepted

By Central California Irrigation District

Signature

Signature

Printed Name

Printed Name

Title

Date

Title

Date

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DEL PUERTO CANYON RESERVOIR	Progress Report No.: PR-08
DESIGN OF DAMS AND APPURTENANT STRUCTURES	Prepared by: G. Roussel
Reporting Period: December 31, 2022 through January 27, 2023	Date: 02/21/2023

ACTIVITIES DURING REPORTING PERIOD

Task 1 – Project Administration

- Completed Project Work Plan.
- Prepared for and attended biweekly status meetings with Program Team, prepared meeting notes, and maintained action item list.
- Prepared progress report (including Earned Value Analysis) and submitted with invoice.
- Held weekly internal status meetings with TGP technical staff involved in the work to monitor progress and address issues, as necessary.
- Provided direction to TGP staff for prioritizing and re-scheduling activities and resolved logistics issues as they arose.
- Revised Addendum to Task Order 02 and submitted for review and approval.
- Updated project schedule and developed bottom-up cost estimate for Task Order 03, covering activities through the production of the draft 30% Design Technical Memorandum, currently scheduled for the end of May.
- Continued to support ICF with CFWD permit application for Phase 2 geotechnical explorations.

Task 3 – Geotechnical Evaluation

- GeoVision completed and submitted their report on the Phase 1 downhole geophysical logging.
- Monitored performance of soil erosion control measures installed at backfilled test trenches and upgraded them as necessary.
- Continued Part 2 of the laboratory testing program to support the borrow area planning and utilization study.
- Continued documenting results of Phase 1 explorations and assembling information for Geotechnical Data Report (GDR).
- Continued summary and interpretation of Phase 1 field and laboratory data, including final results of geophysical logging.
- Continued work on ground motion study.
- Continued work on fault and landslide hazard assessment.

Note that current invoice (DPWD-TO 01-08) includes charges from O'Dell Engineering for partial survey of geotechnical explorations that was completed during the previous reporting period. O'Dell's invoice was received after our previous invoice (DPWD-TO 01-07) had been submitted.

Task 4 – Preliminary Design (30% Design)

- Continued to advance concept of low-level outlet as an alternative to the tunnel for stream diversion and inlet/outlet conduit and evaluate constructability issues and construction sequencing. In particular, statistically evaluated daily data from the stream gage on Del Puerto Creek to inform the construction sequencing and

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identify the risk associated with the potential creek flow during the first construction season which will be when the site is at greater risk from the creek flow.

- Continued work on design criteria and started developing Design Criteria Memorandum.
- Continued design analyses for borrow area planning and utilization study.

SIGNIFICANT ISSUES ENCOUNTERED / ADDRESSED

No new issues encountered.

ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD (thru March 3, 2023)

Task 1 – Project Administration

- Prepare for and attend biweekly status meetings with Program Team, prepare meeting notes, and maintain action item list.
- Monitor weekly progress and address issues, as necessary.
- Provide logistical direction to the TGP Team as project needs and requirements evolve.
- Complete and submit Task Order 03 for review and approval.
- Continue to support Program Team and ICF as permit applications for the Phase 2 geotechnical explorations are being reviewed by the agencies.
- Address special requests from Program Team.

Task 3 – Geotechnical Evaluation

- Install last data logger to monitor piezometer north of Del Puerto Creek, weather permitting.
- Complete land surveying of geotechnical explorations.
- Continue to monitor performance of soil erosion control measures and to repair/upgrade them as necessary after storms.
- Complete Part 2 of the laboratory testing program to support the borrow area planning and utilization study.
- Complete documentation of results of Phase 1 explorations and assembly of Geotechnical Data Report (GDR), and submit interim draft of document for review by Program Team and Technical Review Board (TRB).
- Continue interpretation of Phase 1 field and laboratory data for presentation to TRB.
- Finalize scope of Phase 2 geotechnical explorations for presentation to TRB.
- Complete work on ground motion study and submit draft interim memorandum to Program Team.
- Complete work on fault and landslide hazard assessment and prepare interim memorandum.

Task 4 – Preliminary Design (30% Design)

- Continue preparation of interim memorandum documenting low-level outlet concept.
- Continue work on Design Criteria Memorandum.
- Continue work on borrow area planning and utilization study.
- Start work on fault rupture and permanent ground displacement study.
- Prepare materials for presentations at web-hosted TRB meeting on February 27th and March 1st and attend meeting.

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PROGRESS AND COST TO DATE

The following table provides a summary of the cost and progress by task for Task Order 01 as of January 27, 2023.

ACTIVITY	Task Order 01 Estimate	Prior Billed (\$)	Current Billed (\$)	Total Billed (\$)	Remaining Budget (\$)	Percent Spent	Percent Complete
Task 1 - Project Administration	499,025	238,466	23,691	262,156	236,869	52.5%	81%
Task 3 - Geotechnical Evaluation	2,038,993	1,706,098	71,650	1,777,748	261,245	87.2%	87%
Task 4 - Preliminary Design (30% Design)	458,780	144,667	47,001	191,668	267,112	41.8%	32%
Total Task Order 01	2,996,799	2,089,230	142,342	2,231,572	765,227	74.5%	75%

The results of the Earned Value Analysis (EVA) for the project as of January 27, 2023 are as follows and are shown graphically on Figure 1:

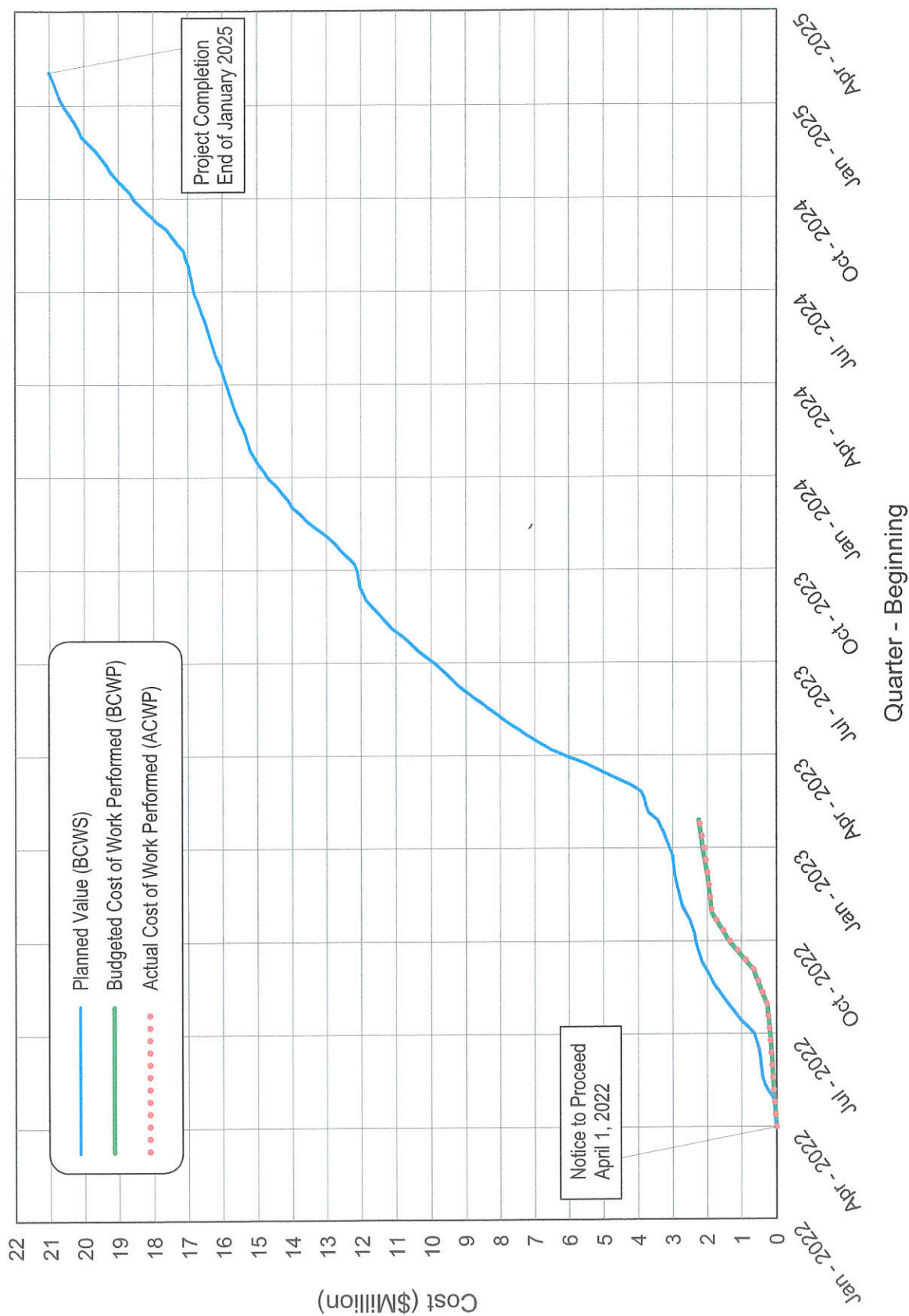
Actual Cost of Work Performed (ACWP)	Budgeted Cost of Work Performed (BCWP)	Budgeted Cost of Work Scheduled (BCWS)	Cost Variance (BCWP - ACWP)	Schedule Variance (BCWP - BCWS)
\$2,231,572	\$2,243,997	\$2,996,799	\$12,425	(\$752,802)

The latest Estimate-to-Complete (ETC) by subtask continues to suggest that the work planned in Task Order 01 is likely to be completed slightly under budget. Any funds remaining in Task Order 01 after all the activities are completed will be rolled into Task Order 03 but set aside to address special requests from the Program Team that fall outside our specific scope of work.

The work on Task Order 01 continues to be behind schedule because, as noted in previous progress reports, the late start of the geotechnical explorations and laboratory testing delayed the start of the studies that depended on the field and laboratory data, and the development of the low-level outlet concept was not part of the work originally included in Task Order 01. Based on the latest progress of the work, it is now evident that the work scoped under Task Order 01 will continue several weeks beyond the end of February and will proceed concurrently with the preliminary design work under Task Order 03. Once this task order has been approved, the project schedule will be revised accordingly and a new, more representative planned value will be developed and added to Figure 1.

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RESULTS OF EARNED VALUE ANALYSIS
 AS OF JANUARY 27, 2023
 DEL PUERTO CANYON RESERVOIR



X.B.



Progress Report

Del Puerto Canyon Reservoir Program Management

Subject: December 2022 – January 2023 Progress Report

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

Prepared by: Andy Neal and Romy Sharafi (Woodard & Curran)

Date: March 7, 2023

Project No.: 0011297.00

This progress report summarizes the work performed by Woodard & Curran and subconsultants for the period between November 25, 2022 through January 27, 2023, 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.

Task Description	Work Completed This Period
<p style="text-align: center;">Task 2</p> <p>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. • We have been working with USBR to prepare for the upcoming release of the EIS document for public review. Cooperating Agency comments have been received by USBR and responses to comments are being evaluated. • Our team assembled a WIIN Act budget estimate for actual work completed from May 2021 to December 2022, plus a forecast to June 2023. The funds would be transferred to the Project Sponsors through the Financial Assistance Agreement that was completed in the prior period. • We prepared applications for needed environmental permits from federal and state agencies covering the second phase of the geotechnical field explorations, scheduled to begin June 2023. The first coordination meeting was held on Nov 9 with USACE. • Our team met with USBR on December 20th. We began review of their Purpose, Need, and Expectations document. • A meeting with SWRCB was held on December 7th. We prepared materials for the meeting to introduce their team to our project in advance of our application for a permit to conduct our Spring 2023 fieldwork. • Our team prepared for and attended a meeting with Stanislaus County on December 13th.
<p style="text-align: center;">Task 3</p> <p>Reservoir Operations Analysis</p>	<ul style="list-style-type: none"> • None.
<p style="text-align: center;">Task 4</p> <p>Funding</p>	<ul style="list-style-type: none"> •

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Task Description	Work Completed This Period
<p>Task 5 CEQA/NEPA Project Phase Authorization</p>	<ul style="list-style-type: none"> • Worked on revisions to memo justifying Categorical Exemption for geotechnical work for the project. • Provided legal declaration clarifying contents of CEQA Administrative Record regarding cultural resources. • Continuing our collaboration with USBR to address Reclamation's Purpose and Need for the DPCR project and develop approach for revising EIS • Held meeting with Reclamation to discuss evaluation of alternatives in EIS including possibility of screening out Ingram Canyon Alternative • Held internal meeting with project team to review approach for alternatives evaluation and possible consideration of Ingram Canyon Alternative • Prepared memo to Reclamation documenting approach for desktop evaluation of Ingram Canyon alternative. • Met with ICF on February 8, 2023 to discuss approach to NEPA support and permitting for Phase 2 geotechnical investigation work.
<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.

Task Description	Work Completed This Period
<p>Task 8 Design Consultant Management</p>	<ul style="list-style-type: none"> • Coordinated with TGP to provide information as needed to support environmental permitting of summer 2023 geotechnical work. • Followed up with TGP to establish appropriate scope to include in 30% design milestone, based on addressing areas of risk while deferring detailed study of areas not needed for 30%. • Followed up with TGP to verify that items agreed upon at the last TRB meeting were being done and will be sufficiently far along for the upcoming TRB meeting in February to be helpful to guide the program.
<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.
<p>Task 11 Land-Owner Coordination</p>	<ul style="list-style-type: none"> • Map coordination for Ingram
<p>Task 12 Survey/Mapping</p>	<ul style="list-style-type: none"> • None.

Task Description	Work Completed This Period
<p>Task 13 Utility Company Coordination</p>	<ul style="list-style-type: none"> • Our team is refining some of the access road network to revised tower locations and working with TGP to perform geohazard/landslide assessments of the revised roadways. • We are continuing to make outreach to the Crimson pipeline owners but haven't received a response. Follow-ups have been unsuccessful. • New landslide mapping has been integrated into sheets, as well as new corridor design and modifications. • Coordination with Crimson and Infraterra
<p>Task 14 Outreach Support</p>	<ul style="list-style-type: none"> • We have continued work on our communications plan and fact sheets, which will also feed into a website update. As we shift into the next phase of our geotechnical exploration work and respond to any developments with the project we will be focusing on a proactive outreach approach. • A new brochure has been developed and circulated for review and comments.

Budget Status

As of this invoice, 90% of the project budget has been billed (\$8,941,013.66 of \$9,894,289.00). 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	\$798,907.86	\$19,166.25	\$818,074.11	\$95,033.90	90%
2	Agency Coordination and Permitting Plan	\$726,775.42	\$543,581.92	\$85,852.19	\$629,434.11	\$97,341.31	87%
3	Reservoir Operations Analysis	\$583,833.50	\$373,206.00	\$0.00	\$373,206.00	\$210,627.50	64%
4	Funding Strategy	\$179,000.00	\$29,909.75	\$888.75	\$29,909.75	\$148,201.50	17%
5	CEQA/NEPA Compliance	\$2,366,939.04	\$2,144,332.33	\$13,485.00	\$2,157,817.33	\$209,121.71	91%
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	\$114,672.05	\$0.00	\$114,672.05	\$309,821.20	27%
8	Design Consultant Management	\$70,182.08	\$75,985.14	\$3,177.50	\$79,162.64	(\$8,980.56)	113%
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	\$47,411.80	\$165.00	\$47,576.80	\$75,444.32	39%
12	Survey/Mapping	\$173,364.88	\$173,364.88	\$0.00	\$173,364.88	\$0.00	100%
13	Utility Company Coordination	\$139,032.25	\$322,293.85	\$17,362.50	\$339,656.35	(\$200,624.10)	244%
14	Outreach Coordination	\$385,000.00	\$362,924.47	\$4,787.00	\$367,711.47	\$17,288.53	96%
Total		\$9,894,289.00	\$8,796,129.47	\$144,884.19	\$8,941,013.66	\$953,275.34	90%

Notes:

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

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Schedule Status

The Feasibility Report was accepted by the Secretary of Interior and submitted to congress with the determination of feasibility pursuant to the WIIN Act, section 4007(b). Schedule is currently being driven by the EIS schedule, which is in flux; coordination with Reclamation is ongoing.

Outstanding Issues

CEQA litigation

- Court decision upheld most of the analysis in the EIR, but directed that certification be set aside because the road relocation was not sufficiently defined. Project team will need to identify acceptable road alignment and issue Supplemental EIR evaluating impacts of the road.
- Waiting for court ruling that would allow us to file Notice of Exemption for geotechnical work.

Bureau of Reclamation Coordination

- The draft EIS was originally scheduled to be published in October 2020, with a Record of Decision slated for April 2021, but that schedule continues to slip on the Reclamation side. Reclamation has said that Draft EIS would be published in late September or early October 2022, but continued schedule slippage appears likely because Reclamation received extensive comments from cooperating agencies. EPA is requesting evaluation of additional alternatives. Reclamation has developed an approach for moving forward to address this comment, but this may require substantial additional work to address an alternative at Ingram Canyon. Need to agree on approach and level of effort for this analysis.
- We are continuing to wait for a response confirming our position 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). Our project manager at USBR, Allison Jacobson, has indicated that the letter has been reviewed and there are no objections to our position.

Army Corps Coordination

- The Corps is officially a cooperating agency for the USBR NEPA process. They have designated Reclamation to act on their behalf in the Section 7 consultation. We have a Preliminary Jurisdictional Determination from the Corps, which we have agreed is sufficient for the Project. We have determined that an Approved Jurisdictional Determination is not needed.

State Water Resources Control Board Coordination

- After the initial water rights application was reviewed by the State Board, additional coordination and analyses were required for the water availability analysis portion of the application. This has required more detailed data collection and analyses to estimate downstream impacts of flow reduction in the Del Puerto Creek. The State Board does not have streamlined guidelines for the requirements of the water availability analyses, and it is unknown what level of detail will be required for completion of the application at this time. The team has developed a strategy for the water availability analysis and drafted a TM which will be presented to the State Board for further discussion before re-submitting the application.

Utility Company Coordination

- Woodard & Curran had a kickoff meeting with Crimson in February. Woodard & Curran is working on sending Crimson data via ArcGIS.

X.B.

DEL PUERTO WATER DISTRICT (DPWD) AND
SAN JOAQUIN RIVER EXCHANGE CONTRACTORS WATER AUTHORITY (SJRECWA)

**DEL PUERTO CANYON RESERVOIR PROJECT
TECHNICAL REVIEW BOARD MEETING NO. 3**

March 1, 2023

Anthea Hansen, General Manager
Del Puerto Water District
PO Box 1596
Patterson, CA 95363

Subject: Technical Review Board Meeting No. 3, Del Puerto Canyon Reservoir Project,
February 27 and March 1, 2023

Dear Anthea,

The third meeting of the Technical Review Board (TRB or Board) regarding the Del Puerto Canyon Reservoir Canyon (DPCR) Project was held remotely by video conference call on the afternoons of Monday, February 27 and Wednesday, March 1, 2023.

The meeting was attended by representatives of the project partners, Del Puerto Water District (DPWD) and San Joaquin River Exchange Contractors Water Authority (SJRECWA), the Design Team consultants (Woodard & Curran, TERRA/GeoPentech, InfraTerra), and the TRB. A list of meeting attendees is provided in Attachment A.

The purpose of this meeting was to summarize the Phase 1 geotechnical explorations, review the Phase 2 exploration plans, and review the conceptual design for the low-level outlet (LLO). The meeting was comprised of presentations by the Design Team, discussions by participants, and responses by the TRB to questions raised during the discussions. The meeting agenda is provided in Attachment B. The TRB was provided with the read-ahead documents listed in Attachment C prior to the meeting. In addition, the TRB was provided with copies of the meeting presentations at the meeting.

This letter report contains the Board's responses to the four questions posed by the Design Team during the meeting. This letter report was finalized after receiving notice from you and the Design Team that there were no comments regarding the draft submitted on March 1, 2023.

Question 1:

Does the TRB have any initial comments on the Interim Draft GDR that was submitted as read-ahead material?

The Interim Draft Geotechnical Data Report (GDR) provides an appropriate summary of the Phase 1 geotechnical investigations. The format of the boring logs as presented in Appendix A and details given are comprehensive. Having both split core barrel and core box photographs of the core samples is helpful;

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however, when possible, photos should be taken with natural lighting rather than in shadow to improved resolution. Graphic presentation of the televiewer borehole fracture data in stereonet and rose diagrams is useful. Lastly, given that packer test intervals are saturated for 20 minutes prior to pressure testing, it would be interesting to calculate the Lugeon value at the end of this interval to compare with values obtained during the test cycle. This could indicate the degree of saturation achieved, or for test intervals where the take is very low, could serve as the test result.

Question 2:

Does the TRB have any comment on the strength parameters obtained from the Phase 1 Laboratory Testing Program for future embankment fill materials?

The Phase 1 Laboratory Testing Program included isotropically consolidated undrained (ICU) triaxial compression tests on specimens prepared from batch blends representing nine potential borrow sources for embankment core and shell materials. The triaxial testing program is still being completed and the results will be included in the next draft GDR. Triaxial strength results for several blends were included in the presentations by the Design Team.

The Design Team grouped the nine blends in three general categories.

- Blends 1 (Alluvium, SC), 2 (Tesla Sandstone, SM), and 9 (Panoche Sandstone, SM) had 20 to 30 percent fines (passing #200 sieve) and were considered as Shell Blends. Specimens of Blend 2 prepared to relative compactions of about 92.5-93.6% (ASTM D1557) were dilative during undrained shearing and produced reasonable strength envelopes for drained and undrained loading conditions.
- Blends 3 (Alluvium, CL) and 4 (Moreno Sandstone, SC-SM) had 40-65% fines and were considered as Core/Shell Blends. Specimens of these two blends prepared to relative compactions of 93.2-94.7% were also dilative during undrained shearing and produced similar strength envelopes for drained and undrained loading conditions.
- Blends 5 (Moreno Shale, CH), 6 (Moreno Claystone, CH), 7 (Active Landslide Debris, CH), and 8 (Ancient Landslide Debris, CH) had 80-93% fines and were considered Core Blends. Specimens of these four blends prepared to relative compactions of 94.7-95.2% were slightly contractive during undrained shearing and produced similar strength envelopes for drained and undrained loading conditions.

The strengths for Core Blend 7 (Active Landslide Debris) were similar to those obtained for the other three Core Blends, even though Blend 7 had a significantly lower maximum dry density per ASTM D1557 (96 pcf versus 110-113 pcf for the others). The TRB has no reason to question the strengths obtained for Core Blend 7 but suggests the other potential core borrow sources are preferable because they produce similar strengths, appear to be available in sufficient quantities, and have in-situ water contents that will facilitate easier handling and moisture conditioning.

The high plasticity of Core Blends 5, 6, and 8 means that these materials are likely susceptible to significant volume changes or cracking if subjected to wetting and drying cycles. Thus, these materials may be appropriate for the core zone but should not be used near the embankment surface (e.g., in the shells). In addition, the crest details should maintain reasonable overburden and protect the core from wetting and drying cycles.

The Design Team noted that significant swelling strains had been observed in some Core Blend specimens during the saturation phase of the triaxial tests. The Design Team understood that the laboratory procedures had involved back-pressure saturation at relatively low effective confining stresses, whereas saturation in the field would occur at higher effective confining stresses. The Design Team indicated that the effect of these swelling strains on the as-tested specimen densities would be evaluated and that future testing may perform back-pressure saturation at higher effective confining stresses. The TRB concurs with the Design Team's plans.

The Design Team noted that achieving densities in laboratory specimens consistent with a 95% relative compaction was easier for the Core Blends than for the Shell Blends. These results are encouraging, although the effectiveness of laboratory and field compaction methods depend on different factors. The compaction specification for the core will be eventually informed by the field test program, but the question at this time is whether there is a chance the achievable relative compactions are less than 95%. Once a preferred core borrow source has been selected, it may be prudent to have additional triaxial tests performed on specimens of that source blend prepared to a lower relative compaction. The results would provide a measure of how sensitive strengths are to variations in relative compaction and avoid the potential for future questioning of strength parameters used for design.

Question 3:

Does the TRB see additional potential issues with the geotechnical conditions at the dams and around the reservoir rim that have not been addressed in the scoping of the Phase 2 explorations? Does the TRB have specific suggestions and/or recommendations for conducting the Phase 2 explorations?

The TRB supports the Design Team's development of a 3D geological structural model for the Main Dam that is accurately supported by borehole data. For example, to maximize borehole usefulness, at the valley floor, perhaps the upstream angled boring at MDA-3U (misabeled as MDA-3D in the presentation slides) could be moved to near the MD-14 location to penetrate the fanglomerate unit. In addition, development of the 3D model may assist the Design Team in evaluating the potential for other geologic details, such as high permeability zones, at other locations within the dam footprint or its abutments.

Phase 1 assessment of the Main Dam foundation conditions identified the presence of apparent stratigraphic bedding layers which showed high water losses, low core recovery, and difficult drilling conditions. The planned Phase 2 exploration plan will focus on these strata in both the left and right abutments. Assessing the foundation characteristics in the area of the left abutment block erosion feature will also be a Phase 2 focus. The near vertical discontinuities that have been observed in surface exposures of the hard fanglomerate will be investigated with angled borings in both abutments. The TRB supports the approach of drilling multiple boreholes (with both vertical and angled boreholes) from defined working pad areas to minimize surface impact and expedite approvals so there is no delay in getting the Phase 2 investigation program approved. The TRB recommends the Design Team consider exploration options for the soft rocks on the upstream side of the hard fanglomerate ridge on the right abutment, including the possible use of trenches, geophysics, or boreholes to explore the depths of weathering and hence potential excavation requirements. The TRB notes that the piezometer located in AB-1 appears to extend into these softer rocks underlying the hard fanglomerate and thus the observed response of this piezometer during the recent rain needs to be better understood.

The foundation conditions at Saddle Dam 1, as shown by the Phase 1 investigations, continue to show that these materials will provide consistent excavation characteristics, adequate strengths, and low groundwater transmissivities desired for a dam foundation. These investigations consisted of a number of overlapping trenches in the left and right abutments and vertical boreholes. For Phase 2, the TRB supports the placement of a seismic line across the lower elevations of the upstream shell foundation to better define bedrock depth and conditions and confirm that no major structural features exist in the bedrock; a possible exploration trench may be added if the geophysical results suggest a need to confirm conditions.

At Saddle Dam 2, an additional borehole will be drilled in Phase 2 to confirm bedrock depth, evaluate subsurface materials and groundwater conditions. This is the smallest of the three dams and conditions are thought to be favorable, with Phase 2 efforts focused on confirmation of these conditions.

If the Design Team considers the Panoche formation to be a possible source of rip rap, the proposed drilling in Phase 2 will help determine the quality and quantity available. If there is about 140,000 cy of rip rap required, with a yield of 25 to 30%, there will need to be an excavated volume of about 500,000 cy. The good news is, the waste from the rip rap operation can become shell material or if the quality is good enough, filter may be produced. This will provide a cheaper cost for rip rap than imported material. A side benefit is rock slopes provide future bird and bat habitat.

Slope protections on dams and water ways are:

- 1) Rip rap—may be produced on site but if imported will be very expensive;
- 2) RCC—offsite aggregates;
- 3) Soil cement lining—onsite materials—cheapest option—Tampa Bay example;
- 4) Concrete armor blocks—imported concrete units from the closest concrete plant;
- 5) Shotcrete—use off site concrete source—example La Joie Dam in BC—this is being replaced with RCC/liner;
- 6) Rockfill—not great quality rock source on site; or
- 7) Just soil and vegetation—cheap but not very effective in this case.

The most promising options may be 1, 2, 3 or 4. Need to look at the cost and DSOD acceptance.

Question 4:

Does the TRB see additional key issues for the design of the LLO that have not been identified to date?

The Design Team presented conceptual level designs regarding the low level outlet (LLO) or inlet-outlet works. The presentation included hydraulic design criteria for diversion, emergency drawdown and pump back requirements. The team also presented preliminary geotechnical information and additional proposed geotechnical exploration necessary to complete the design. Hydrologic considerations to size the diversion pipe and construction sequencing was also presented.

The TRB believes the information presented, the analyses and further exploration planned will further the feasibility design of the LLO. The information presented suggests the feasibility of the LLO concept will depend on further geotechnical information gathered. The TRB has the following points for the Design Team to continue to consider.

The TRB believes the geologic conditions along the pipe alignment will be critical for the design of the LLO. The conglomerate ridge may become a critical issue and could have a significant effect on the

alignment and therefore is important to the schedule. The Design Team is aware of the varying rock modulus and will consider differential settlement of the pipe. The Design Team's approaches to refine the alignment after completion of the excavation is appropriate.

The Design Team also needs to consider sharp bends in pipes and other hydraulic considerations for potential cavitation and backpressure issues.

The TRB suggests the Design Team consider critical storm duration (6 hour, 12 hour, 1 day, etc.) for the sizing of the diversion pipe and coffer dam. Both the peak flows and resulting flood volumes for various durations should be considered along with the expected cofferdam reservoir volume and diversion pipe size.

As discussed during the presentation, worker safety for future maintenance and operations of the LLO needs to be considered. Potentially different requirements from different organizations (e.g., CalOSHA), the county, and the owners should be considered such as for the number of isolation points within the outlet pipe.

Closure:

The TRB appreciates the continued clarity of the Design Team's presentations and the collaborative discussions during the meeting.

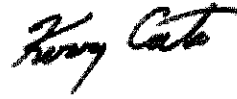
The next meeting of the TRB is scheduled to be in-person from Monday to Wednesday, April 17-19, 2023 in Patterson. The TRB closed-door session on April 19th will be from 8:30 AM to 12:00 noon at a venue away from the DPWD offices because of the coincident DPWD Board Meeting. The TRB will return to the DPWD offices for the report-out that afternoon. The purpose of this meeting will be to review progress toward 30% design.

The TRB appreciates the opportunity to be of assistance to DPWD and SJRECWA in this assignment.

Respectfully submitted,



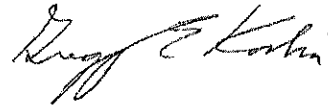
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Attachment A: List of Participants
Attachment B: Agenda for TRB Meeting
Attachment C: List of Read Ahead Documents

**Attachment A:
List of Participants**

Name	Organization	Name	Organization
Anthea Hansen	<i>DPWD</i>	Guilaine Roussel	<i>TERRA/GeoPentech</i>
Adam Scheuber	<i>DPWD</i>	Robert Kirby	<i>TERRA/GeoPentech</i>
Chris White	<i>SJRECWA</i>	Andrew Dinsick	<i>TERRA/GeoPentech</i>
		Bob McManus	<i>TERRA Engineers</i>
Xavier Irias	<i>Woodard & Curran</i>	John Lim	<i>TERRA/GeoPentech</i>
Andy Neal	<i>Woodard & Curran</i>	Chris Hitchcock	<i>InfraTerra</i>
		Phil Martin	<i>IEC</i>
Ross Boulanger	<i>TRB</i>	Thomas Hepler	<i>Schnabel</i>
Kerry Cato	<i>TRB</i>		
David Gutierrez	<i>TRB</i>		
Gregg Korbin	<i>TRB</i>		
Mike Pauletto	<i>TRB</i>		

**Attachment B:
Agenda for TRB Meeting**

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**TECHNICAL REVIEW BOARD
Meeting No. 3
February 27 and March 1, 2023
Web-Hosted Video Conference**

AGENDA

February 27, 2023

- 1:00 PM Welcome and Introductory Remarks by Project Partners and Program Team
- 1:10 PM Agenda and Objectives
- Project Status
 - Questions for TRB
- 1:15 PM Review of Previous TRB Comments and Design Team Responses
- 2:00 PM Phase 1 Geotechnical Explorations – Scope and Results
- 2:30 PM Preliminary Characterization of Geotechnical Conditions and Key Issues
- Main Dam
 - Saddle Dam 1
 - Saddle Dam 2
 - Borrow Areas
- 3:30 PM Break
- 3:40 PM Proposed Phase 2 Geotechnical Explorations
- Objectives of Exploration Program
 - Constraints
 - Proposed Explorations
- 5:00 PM TRB Closed-Door Session
- 5:30 PM Adjourn

March 1, 2023

- 1:00 PM Conceptual Design of Low-Level Outlet
- Conduit Function and Design Criteria
 - Conduit Size
 - Geologic/Geotechnical Conditions and Conduit Alignment
 - Constructability and Construction Sequencing
 - Key Issues for Preliminary Design
- 2:30 PM TRB Closed-Door Session
- 4:30 PM Presentation of TRB Findings and Comments
- 5:30 PM Adjourn



Attachment C:
List of Read Ahead Documents

A TRB review comment tracking log was transmitted as,

- DPCR - TRB Review Comment Log.docx

An interim draft of the Geotechnical Data Report documenting results from the phase 1 explorations was transmitted as,

- DPCR-GDR_Interim_Draft.pdf
- GDR_Appendix A - Boring Logs.pdf
- GDR_Appendix B - Sample Photos.pdf
- GDR_Appendix C - Laboratory Tests.pdf
- GDR_Appendix D - Piezometer Data.pdf
- GDR_Appendix E - Packer Tests.pdf
- GDR_Appendix F - Test Pits and Trenches.pdf
- GDR_Appendix G - Geophysical Surveys.pdf



Sen. Feinstein Fiscal Year 2024 Congressionally Directed Spending (Earmark)

Requests (Del Puerto Canyon Reservoir)

X. B.

Name & Contact Info
 Steve Chedester
 Work: 12098278616
 Mobile: 12096021004
 schedester@sjrecwa.net

Mailing Address
 541 H Street
 PO Box 2115
 Los Banos CA 93635

Permanent Address
 541 H Street
 PO Box 2115
 Los Banos CA 93635

* indicates a required field.

Section 1. Funding Request

PLEASE READ the subcommittee guidance ([linked here](#)) carefully to ensure you include all required information in your application. Although letters of support are not required by our office (aside from the requirement by the Subcommittee on Homeland Security), if you wish to submit letters of support you may send them to Appropriations_Feinstein@feinstein.senate.gov.

For information on Congressionally Directed Spending requests, please click [here](#). If you have further questions, please contact Appropriations_Feinstein@feinstein.senate.gov.

1. Name of Proposal *

Del Puerto Canyon Reservoir

2. Submitting Organization *

Do not use abbreviations. Write out full name of city, county, or non-profit (e.g. County of San Francisco, City of San Jose, The Non-Profit Organization).

San Joaquin River Exchange Contractors Water Authority

3. Is the Organization a Government or Not-For-Profit Entity? *

NOTE: For-Profits Are **NOT** Eligible for Congressionally Directed Spending.

Yes

3.1

4. Provide a link to the organization's website. *

If applicable. If not, briefly describe the organization.

sjrecwa.net

5. Tax Identification Number *

If applicable. If not, write "N/A".

N/A

6. Specific Location in California *

Do not use acronyms. Use applicable city name and state (e.g. Fairfield, California).

Los Banos, California

7. Description of Project *

Briefly describe the project.

New, flexible water storage project to benefit farmlands, wildlife refuges, and communities. Located on Del Puerto Creek in the Coast range foothills west of Patterson and south of the Sacramento -San Joaquin Delta. Agricultural users of the stored water will pay for the project, and are actively seeking supplemental state and federal funding.

8. Congressionally Directed Spending Request *

Dollar amount. Do not include cents. If requesting \$1 million, write 1000000.

15000000

145

9. Total Cost of the Project *

Dollar amount. Do not include cents. If requesting \$1 million, write 1000000.

Please include the total cost of the project, including any federal and/or non-federal costs.

17500000

10. Other Funding Sources *

Will the project receive funding from other sources, such as bonds, federal grants, the state of California, private entities, etc.? If so, please provide the dollar amount and explain the source of funding.

Project Partners - \$2,500,000

WHIN- Act -25% funding.

11. Detailed Project Budget *

What is the **total** project budget? Detail exactly how requested funds will be spent, including CDS and non-CDS funding. Provide as many details as possible (e.g. \$500,000 for construction materials, \$200,000 for construction labor, etc.).

\$85,000,000 needed for Dam Design, Utility Relocation Design, Roadway Relocation Design, Conveyance Design, EIS and Supplemental EIS/EIR.

12. Priority Ranking of Proposal (if multiple proposals are being submitted) *

If only one proposal is being submitted, please enter 1. Rank the priority out of ALL subcommittees. For example, do not give 1 priority ranking in Energy and Water, 1 priority for Transportation, etc.

1 -Energy and Water

13. Was This Request Submitted To Another Member of the California Delegation? *

Yes

13.1 Which office(s)?

District 13 John Duarte,

14. Which state office does this request fall under? *

San Francisco

The following counties are served by the San Francisco office: Alameda, Butte, Colusa, Contra Costa, Del Norte, El Dorado, Glenn, Humboldt, Lake, Lassen, Marin, Mendocino, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Sutter, Tehama, Trinity, Yolo, Yuba.

Fresno

The following counties are served by the Fresno office: Alpine, Amador, Calaveras, Fresno, Imperial, Inyo, Kern, Kings, Madera, Mariposa, Merced, Mono, San Joaquin, San Luis Obispo, Stanislaus, Tulare, Tuolumne.

Los Angeles

The following counties are served by the Los Angeles office: Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura.

San Diego

The following counties are served by the San Diego office: Imperial, San Diego.

Fresno Office

15. County in California *

Do not use acronyms.

San Joaquin, Stanislaus, Merced, Fresno, Madera

Section 2. Needs Statement

2/5/1

1. Needs statement *

Please explain why you are requesting Congressionally Directed Spending for this project.

Del Puerto Water District (DPWD) and the San Joaquin River Exchange Contractors Water Authority (Exchange Contractors) supply Central Valley Project (CVP) water to highly productive farmlands in Stanislaus, San Joaquin, Merced, Fresno, and Madera counties. CVP water is pumped south from the Sacramento-San Joaquin Delta through the Delta-Mendota Canal. DPWD and the (Exchange Contractors) are partnering to construct and operate the Del Puerto Canyon Reservoir. The project will deliver water from the Delta-Mendota Canal into the new reservoir, where it will be stored and released on a carefully managed basis. The reservoir would allow water to be delivered into storage during wetter periods until it is needed in drier periods for irrigation, wildlife refuges, or groundwater recharge.

The project features include: 800-acre reservoir with a 260-foot high earthen dam and three saddle dams; Storage space for up to 82,000 acre-feet of water South of the Delta; Off-stream storage, meaning no impediments to river flows; Pipeline connection to the Delta-Mendota Canal; Average water yield of up to 60,000 acre-feet per year. The project benefits include: Improve water supply reliability for agriculture and wildlife refuges; Capture Del Puerto Creek runoff to increase flood protection; Support the local and regional economy local management of groundwater and surface water to benefit local communities, which rely on agricultural irrigation to replenish the groundwater supply.

2. Description of importance to the local community and/or State of California. *

The project build is founded on partnership building with two public entities working together. The Del Puerto Water District (DPWD), based in Patterson, provides water to 45,000 acres of farmland adjacent to the Delta-Mendota Canal. The San Joaquin River Exchange Contractors Water Authority (Exchange Contractors) consists of four water agencies — Central California Irrigation District, San Luis Canal Company, Firebaugh Canal Water District, and the Columbia Canal Company. They collectively serve 240,000 acres of farmland west of the San Joaquin River, from near Patterson in the north to Mendota in the south. The proposed Del Puerto Canyon Reservoir brings multiple benefits to the San Joaquin Valley by providing:

Water for the Economy - Agriculture is a key economic driver for the west side of the San Joaquin Valley. The Del Puerto Canyon Reservoir would establish valuable water storage space, providing a more secure water future for our economy.

Westside communities, including Crows Landing, Dos Palos, Firebaugh, Grayson, Gustine, Los Banos, Mendota, Newman, Patterson, and Westley, rely on groundwater. Water storage for west side agriculture helps restore and sustain groundwater for everyone.

The west side's communities are surrounded and supported by a strong agricultural economy.

Agriculture is a key driver to the area economy and quality of life, pumping \$7.15 billion into the Stanislaus County economy alone in 2017 (more than \$19 million per day).

Among the gifts of the land: Fruits, nuts, vegetables, livestock, poultry, dairy, and other products, many of which are organic.

Employees engaged in agriculture numbered more than 34,000 in 2017, holding nearly one in eight jobs in Stanislaus County alone. Total agricultural employment in region is in excess of 100,000 employees.

Food production is dependent on water. Without a reliable supply, agriculture cannot survive. Droughts, climate change, and competing uses of existing water sources make it difficult to keep supplies flowing when needed. Storage provided by Del Puerto Canyon Reservoir is a key component to addressing this challenge for the future.

Water for the Environment - Wildlife refuges south of the Delta support a rich array of birds, animal species, and plant life. Additional water storage and releases from the Del Puerto Canyon Reservoir will help sustain these ecosystems and the riparian corridor for a portion of Del Puerto Creek downstream of the proposed dam.

Wildlife refuges south of the Delta support a rich array of birds, animal species and plant life, all of which depend on water. These refuges lack adequate water for habitat and food production. The primary refuges include the Kern and San Luis National Wildlife Refuges; Los Banos, Mendota, North Grasslands, and Volta Wildlife Areas; and Grassland Resource Conservation District. Expanded storage space within Del Puerto Canyon Reservoir creates potential for the refuges to become future contracting partners and receive more robust, reliable flows.

Managing Del Puerto Creek flood flows in a more controlled way allows for groundwater recharge, which would benefit the riparian corridor east of Interstate 5.

Additional water storage and releases from the Del Puerto Canyon Reservoir will help sustain these ecosystems.

Storage for the Future - Del Puerto Creek can create flood conditions during extreme weather. The reservoir will reduce risks by capturing runoff and releasing it in a controlled manner for habitat and groundwater recharge.

Flood Safety: Typical of west side streams, Del Puerto Creek will flood adjacent lands when runoff occurs during high rainfall events. This flooding impacts orchards, farm structures, roads, residential areas, and commercial developments. The Del Puerto Canyon Reservoir will capture flood flows, which can be stored and released so as to minimize flood risks, while increasing groundwater recharge and maintaining natural habitats in the creek.

Groundwater Management: Increasing the availability and reliability of surface supplies will reduce groundwater pumping and stabilize groundwater levels. This improved groundwater management benefits all the communities in the area that rely on groundwater, including Crows Landing, Dos Palos, Firebaugh, Grayson, Gustine, Los Banos, Mendota, Newman, Patterson, and Westley. Many of these are disadvantaged communities with limited resources to secure new supplies. In addition, continued groundwater recharge in Del Puerto Creek will protect future water supplies in the region.

The Reservoir will provide new, flexible water storage space to benefit farmlands, wildlife refuges, and communities. It will be located on Del Puerto Creek in the Coast Range foothills west of Patterson and south of the Sacramento-San Joaquin Delta and agricultural users of the stored water will pay for the project, and are actively seeking supplemental state and federal funding.

3. List any entities or organizations partnering in or supporting the project. *

San Joaquin River Exchange Contractors Water Authority and its member agencies

Del Puerto Water District

848
148

Section 3. Funding History

1. Has this project been submitted to Senator Feinstein in previous fiscal years? *

No

1.1 Please identify the fiscal year and project name.

No answer.

2. Has this project received past Congressionally Directed Spending? *

No

2.1 Please identify the fiscal year and project name.

No answer.

3. Is this a one-time request for Congressionally Directed Spending? *

No

3.1

4. Is additional federal funding required beyond the amount requested in this submission? *

Yes

4.1

5. When and how will the project become fully funded? *

Estimated to be 3rd quarter of 2028.

Section 4. Primary Point of Contact Information

Please provide the contact information for the primary point of contact of this request.

1. Primary Point of Contact Name for this Request *

Steve Chedester

2. Title *

Director of Policy and Programs

3. Address Line 1 *

541 H Street

4. Address Line 2

P.O. Box 2115

5. City *

Los Banos

6. State *

California

7. Zip code *

93635

8. Phone Number *

209-827-8616 - Office; 209-602-1004 - Cell

9. Email Address *

shedester@sjrecwa.net

Section 5. Point of Contact Information for the Recipient Organization

Please provide the contact information for the recipient organization (note: this should not be a lobbyist or a third party).

1. Name of Recipient Organization *

Legal grantee name

San Joaquin River Exchange Contractors Water Authority

2. Point of Contact Name for Recipient Organization *

Steve Chedester

3. Title *

Director of Policy and Programs

4. Address Line 1 *

541 H Street

5. Address Line 2

P.O. Box 2115

6. City *

Los Banos

7. State *

California

8. Zip code *

93635

9. Phone Number *

209-602-1004

10. Email Address *

shedester@sjrecwa.net

Section 6. Bill and Account Specific Information

PLEASE READ: For information on subcommittee guidance, and eligible agencies and accounts, please click [here](#). ☑

1. Have you reviewed the latest requirements and reforms for Congressionally Directed Spending? *

The link to the latest requirements and reforms is available [here](#). ☑

Yes

1.1

2. Have you reviewed the latest subcommittee guidance for CDS requests? *

The link to the latest subcommittee guidance for CDS requests is available [here](#). ☑

Yes

3. Is this proposal for funds available in the Agriculture, Food and Drug Administration and Rural Development bill? *

Agriculture, Food and Drug Administration and Rural Development projects included in the Fiscal Year 2023 omnibus may be found [here](#). ☑

No

3.1 Please identify the account:

No answer.

4. Is this proposal for funds available in the Commerce, Justice, Science bill? *

Commerce, Justice, Science projects included in the Fiscal Year 2023 omnibus may be found [here](#). ☞

No

4.1 Please identify the account:

No answer.

5. Is this proposal for funds available in the Energy & Water Development bill? *

Fiscal Year 2023 Energy & Water projects included in the omnibus may be found [here](#). ☞

Yes

5.1 Please identify the account:

Bureau of Reclamation; Water and Related resources

6. Is this proposal for funds available in the Financial Services and General Government bill? *

Financial Services and General Government projects included in the Fiscal Year 2023 omnibus may be found [here](#). ☞

No

6.1 Please identify the account:

No answer.

7. Is this proposal for funds available in the Homeland Security bill? *

Homeland Security projects included in the Fiscal Year 2023 omnibus bill may be found [here](#). ☞

No

7.1 Please identify the account:

No answer.

8. Is this proposal for funds available in the Interior, Environment bill? *

Interior, Environment, and Related Agencies projects included in the Fiscal Year 2023 omnibus may be found [here](#). ☞

No

8.1 Please identify the account:

No answer.

8.2 Additional required information.

Please answer all of the questions in the order listed below to the best of your ability.

If a question is not applicable, write "N/A."

1. What is the project purpose, e.g., drinking water, wastewater, stormwater, and/or water quality protection?
2. Is this request seeking funding for planning and design, construction, or both?
3. Is the preliminary planning and engineering design completed for this project?
4. When will this project be ready to proceed to construction?
5. What is the total estimated cost of the project, based on the facilities plan or preliminary engineering report?
6. What is the amount requested for the project?
7. Please list any funding received from federal appropriations, including the fiscal year and source of funding (Clean Water SRF, Drinking Water SRF, STAG grants, USDA Rural Development Program, FEMA, or others)?
8. Does the community have a financing plan certified by an authorized local official demonstrating how it will cover the matching funds of 20% or more?
9. What are the anticipated non-federal sources of funding for this project?

For WWI State and Local Projects, is the project on the state's most recently finalized Clean Water or Drinking Water State Revolving Fund Intended Use Plan?

For WWI State and Local Projects, if the answer to the above question (Q1) is NO, is the project eligible under SRF guidelines?

For WWI Tribal Projects, is the project on the IHS Sanitation Deficiency System list?

For WWI Tribal Projects, if the answer to the above question (Q3) is NO, is the project eligible under the Criteria for the Sanitation Facilities Construction Program?

For HPE, if the request is for a property, does the property meet the HPF program requirements of being listed, at the appropriate level, for the National Register of Historic Places or as a National Historic Landmark individually or as contributing to an historic district?

For USFS State and Private Forestry (SPE), is this project part of or contribute to the state's Forest Action Plan?

For Land and Water Conservation Fund (LWCF), Legacy Restoration Fund (LRF), or Land Management Agency Construction (LMCON), is the project on the relevant list provided by the administration?

No answer.

9. Is this proposal for funds available in the Labor, Health and Human Services and Education bill? *

Labor, Health and Human Services and Education projects included in the Fiscal Year 2023 omnibus may be found [here](#). ☑

No

9.1 Please identify the account:

No answer.

10. Is this proposal for funds available in the Military Construction and Veterans Affairs bill? *

MilCon projects included in the Fiscal Year 2023 omnibus may be found [here](#). ☑

No

10.1 Please identify the account:

No answer.

10.2 MilConVA - additional information:

Please answer all of the following questions to the best of your ability. If you do not know, write "N/A".

1. Does this project appear on the Future Years Defense Program (FYDP) list?
2. Does this project on the Unfunded Requirements/Priorities List (URF/URL)?
3. Does this project have a DD1391?
4. Has the project reached the 35% design milestone?
5. Is this project previously authorized or has it been submitted to the Senate Armed Services Committee for consideration?
6. If this project was funded in Fiscal Year 2023, please provide the amount.

No answer.

11. Is this proposal for funds available in the Transportation, Housing and Urban Development bill? *

THUD projects included in the Fiscal Year 2023 omnibus may be found [here](#).

No

11.1 Please identify the account:

No answer.

11.2 THUD - What is the total cost of the project?

No answer.

11.3 THUD - Airports

For airport requests, provide the NPIAS code for the airport.

No answer.

11.4 THUD - Transit requests

For transit requests, you must provide the name of the transit agency recipient or subrecipient, a link to the Statewide Transportation Improvement Plan (STIP) or Transportation Improvement Plan (TIP) that includes the requested project, and the total cost of the project, which should be consistent with the total cost of the project in the STIP or TIP.

No answer.

11.5 THUD - Highway (HIP) requests

You must provide a link to the Statewide Transportation Improvement Plan (STIP) or Transportation Improvement Plan (TIP) that includes the requested project.

Detail the total cost of the project, which should be consistent with the total cost of the project in the STIP or TIP.

No answer.

11.6 THUD - Rail (CRIS) requests

You must provide a link to the State Rail Plan that includes the requested project and the total cost of the project, which should be consistent with the total cost of the project in the State Rail Plan.

No answer.

11.7 THUD - Economic Development Initiatives (EDI)

You must detail the current status of the project, a description of all other sources of funding contributing to the total cost of the project, and the status of the planning and environmental review work. In addition, include relevant data on how activities or projects benefit primarily low- and moderate-income persons or communities to meet program requirements.

You must include a link to the project website if available or a link to the HUD five year Consolidated Plan or Annual Action Plan if the project is included or complements planned or current projects within these required plans.

No answer.

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12. Additional information

Please include any additional information required based on the Fiscal Year 2024 subcommittee guidance, found [here](#).

Del Puerto Water District (DPWD) and the San Joaquin River Exchange Contractors Water Authority (Exchange Contractors) supply Central Valley Project (CVP) water to highly productive farmlands in Stanislaus, San Joaquin, Merced, Fresno, and Madera counties. CVP water is pumped south from the Sacramento-San Joaquin Delta through the Delta-Mendota Canal. DPWD and the (Exchange Contractors) are partnering to construct and operate the Del Puerto Canyon Reservoir. The project will deliver water from the Delta-Mendota Canal into the new reservoir, where it will be stored and released on a carefully managed basis. The reservoir would allow water to be delivered into storage during wetter periods until it is needed in drier periods for irrigation, wildlife refuges, or groundwater recharge.

The project features include: 800-acre reservoir with a 260-foot high earthen dam and three saddle dams; Storage space for up to 82,000 acre-feet of water South of the Delta; Off-stream storage, meaning no impediments to river flows; Pipeline connection to the Delta-Mendota Canal; Average water yield of up to 60,000 acre-feet per year. The project benefits include: Improve water supply reliability for agriculture and wildlife refuges; Capture Del Puerto Creek runoff to increase flood protection; Support the local and regional economy local management of groundwater and surface water to benefit local communities, which rely on agricultural irrigation to replenish the groundwater supply.

Blank