



UPPER SANTA CLARA RIVER Proposition 84 IRWM Drought Grant Attachment 4 – Work Summary

Introduction

This Attachment provides summaries of the anticipated tasks necessary to complete each of the three Projects in this Proposal. Work summaries discuss the current status of each Project by indicating the current stage of each task, and by identifying the anticipated deliverables for each task. Project tasks discussed in this Attachment are consistent with tasks shown in the Budget (Attachment 5) and the Schedule (Attachment 6).

Work summaries are discussed in the order shown in the table below.

Proposal Work Summaries
1. Rosedale-Rio Bravo Water Storage District (RRBWSD)/ Castaic Lake Water Agency (CLWA) Banking Program 2014 Drought Relief Project) (CLWA-1)
2. Semitropic Water Storage District (SWSD) Extraction and Conveyance Improvements for Return of Stored (Banked) Water to CLWA (CLWA-2)
3. Valencia Water Reclamation Plant UV Disinfection System Facilities (SCVSD-1)



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Work Summary for Rosedale-Rio Bravo Water Storage District (RRBWSD)/Castaic Lake Water Agency (CLWA) Banking Program 2014 Drought Relief Project (CLWA-1)

Below is a summary of the tasks necessary to complete the Project, organized by budget categories.

Category (a): Direct Project Administration Costs

Task 1: Administration: This task will be coordinated and conducted by CLWA, RRBWSD, and a selected consultant, as necessary, and consists of preparing and submitting grant related invoices, conducting meetings to evaluate project progress, and administering the project, including managing and accounting for all aspects of the project.

Deliverables: Invoices as required.

Completion Status: No work has been performed for this task. (0% complete)

Task 2: Labor Compliance Program: Application will be made to the California Department of Industrial Relations (DIR) for approval of a Labor Compliance Program (LCP). A third-party consultant will be retained to develop and implement the LCP. The LCP will follow the rules of the DIR and will enforce the prevailing wage requirements as stipulated in the Labor Code Section §1771.5.

Deliverables: Execution of labor compliance program; documentation furnished to DWR as requested.

Completion Status: No work has been performed for this task. (0% complete)

Task 3: Reporting: This task includes compiling quarterly progress and final reports for submittal to DWR, as specified by the Grant Agreement, in coordination with CLWA and RRBWSD. Reports will meet generally accepted professional standards for technical reporting and terms of the contract with DWR. RRBWSD will require the contractor to submit regular reports along with the invoices. The progress reports will describe activities undertaken and accomplishments of each task during the milestones achieved, and any problems encountered in the performance of the work under this contract. A final summary report will be prepared and submitted once the project is completed. A Project Monitoring Plan (PMP) shall be submitted to DWR prior to disbursement of grant funds for construction or monitoring activities for this Project.

Deliverables: Quarterly and final reports as specified in the Grant Agreement and PMP.

Completion Status: No work has been performed for this task. (0% complete)

Category (b): Land Purchase/Easement

Task 4: Land Acquisition: The proposed Project will be constructed on property owned by the RRBWSD and private property within RRBWSD's service area. Acquisition of easements will be required. RRBWSD staff has initiated discussions with the affected land owners and will start the formal acquisition process once the right-of-way documents have been completed, formal appraisals have been completed and offer letters have been prepared.

Deliverables: Parcel maps showing the easement/recorded instruments for the easements.

Completion Status: This task is approximately 10% complete.

Category (c): Planning/Design/Engineering/Environmental Documentation

Task 5: Assessment and Evaluation: Assessment and evaluation of the development of groundwater storage and protection measures is an ongoing process in RRBWSD. The Project operates under a comprehensive groundwater management program "Memorandum of Understanding Regarding Operation and Monitoring of the Rosedale Rio-Bravo Water Storage District Groundwater Banking and Sale Program," May 2004.

Deliverables: Copies of reports prepared for the Project, as requested by DWR.

Completion Status: 100%

Task 6: Design/Engineering: RRBWSD technical staff and consultants have previously evaluated the feasibility of the Project. The preliminary design (at the 30% level) has been completed, including development of construction cost estimates, and a schedule. Upon review and approval of the 30-percent design, a 90-percent design will be completed and reviewed, and the final design will be completed for formal advertisement for solicitation of sealed bids.

Deliverables: 100% Plans and Specifications.

Completion Status: This task is approximately 30% complete.

Task 7: Environmental Documentation: The overall RRBWSD banking program has been previously evaluated via a Master EIR and the project components will be evaluated in a new Supplemental EIR that will be released for public review July 2014; a final EIR will be prepared and the Certification and Notice of Determination will be filed in September 2014. CEQA for CLWA's participation in the RRB water bank is complete (reference SCH# 2005061157). Enhanced extraction



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capacity was addressed in that EIR.

Deliverables: Completed EIR/MND; Supplemental EIR.

Completion Status: This task is 75% complete.

Task 8: Permitting: The construction-related permits that will be secured for the Project include: Kern County Water Agency Construction and Operation Agreement, Kern Water Bank Authority License Agreement, County Encroachment Permits – Various Road Crossings, Railroad License Agreement, NPDES Permit, and a PM-10 Dust Control Permit

Deliverables: Copies of Permits

Completion Status: This task is approximately 10% complete.

Category (d): Construction/Implementation

Task 9: Construction Contracting: Once design is completed, right-of-way is acquired and all necessary permits procured, RRBWSD staff will conduct construction contracting, consisting of contractor bidding and selection (as necessary).

Deliverables: Notice to Proceed.

Completion Status: No work has been performed for this task. (0% complete)

Task 10: Construction/Implementation: This task involves construction in accordance with final plans and specifications. Specific facilities to be constructed include:

Western Well Field	Superior East and West Well Field	Stockdale East Well Field	Central Intake Facility	Pumping Plant and CVC Tie-in	Stockdale East Recharge Ponds
<ul style="list-style-type: none"> • Constructing and equipping 3 wells • 1,400 linear feet (LF) of 15” PVC Pipe • 2,886 LF of 21” PVC Pipe • 2,545 LF of 24” PVC Pipe • Road Crossing (Bussell Road) • Road Crossing (Plumwood Street) • 2- 14” Turnouts 	<ul style="list-style-type: none"> • Constructing and equipping 6 wells • 5,060 LF of 15” PVC Pipe • 1,015 LF of 21” PVC Pipe • 760 LF of 24” PVC Pipe • 6,330 LF of 27” PVC Pipe • Road Crossing (Superior Road) • 2- 14” Turnouts • Goose-Lake Slough Crossing 	<ul style="list-style-type: none"> • Constructing and equipping 2 wells • 1,980 LF of 15” PVC Pipe • 1,400 LF of 21” PVC Pipe • 2- 14” Turnouts 	<ul style="list-style-type: none"> • San Joaquin Railroad Crossing • Stockdale Highway Crossing • Brimhall Road Crossing • If Canal Alignment, 7,475 LF • If Pipeline Alignment, 8,075 LF • CVC Turnout 	<ul style="list-style-type: none"> • Recharge Basins • Cross Valley Canal (CVC) Tie-in Pumping Plant (P.P.). • Turnout Structure 	<ul style="list-style-type: none"> • Recharge Basins (230 acres of recharge ponds) • CVC Tie-in P.P.

Deliverables: Notices of Completion.

Completion Status: No work has been performed for this task (0% complete). RRBWSD is ready to mobilize quickly to ensure that the project construction starts by April 1, 2015.

Task 11: Environmental Compliance/Mitigation/Enhancement: The Master EIR prepared for the RRBWSD banking program identified the need for pre-construction biological surveys for a number of sensitive species. Further, the Supplemental EIR to be released in July 2014 will identify project specific mitigation measures if necessary to minimize potentially significant impacts. There will be no long-term mitigation necessary as the surface will be restored except for well heads, pumping plant, and groundwater pumping, which will be regulated by the groundwater operating plan.

Deliverables: Information on this task will be provided during construction as part of quarterly grant reports (Task 3).

Completion Status: No work has been performed for this task. (0% complete)

Task 12: Construction Administration: During construction, RRBWSD staff and/or qualified engineering consultants will provide construction management and administration, including daily on-site observation; inspection of pipe material and fabrication processes at the factory; testing of materials used for construction, including soils and concrete; and documentation of these activities.

Deliverables: Quarterly and final reports.

Completion Status: No work has been performed for this task. (0% complete)



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Work Summary for Semitropic Water Storage District (SWSD) Extraction and Conveyance Improvements for Return of Stored (Banked) Water to Castaic Lake Water Agency (CLWA) 2014 Drought Relief Project (CLWA-2)

Below is a summary of the tasks necessary to complete the Project, organized by budget categories.

Category (a): Direct Project Administration Costs

Task 1: Administration: CLWA will be the lead administrative agency and responsible for preparing and submitting invoices to DWR. SWSD will manage the Project, including coordination of Project team, vendors, and contractors. With the assistance of a consultant, SWSD will administer its Project and work to manage and account for all aspects of the Project. Grant administration tasks will include coordination with DWR staff, preparation of invoices, maintenance of financial records, and preparation of Grant deliverables as required.

Deliverables: Invoices as required.

Completion Status: This task is approximately 5% complete.

Task 2: Labor Compliance Program: Labor compliance will be performed in accordance with the requirements of California Labor Code §1771.5(b). SWSD received approval of their labor compliance program from Christine Baker, Director of Industrial Relations on June 10, 2014.

Deliverables: Execution of labor compliance program; documentation furnished to DWR as requested.

Completion Status: No work has been performed for this task. (0% complete)

Task 3: Reporting: This task includes compiling quarterly progress and final reports for submittal to DWR, as specified by the Grant Agreement, in coordination with CLWA and SWSD. SWSD will require the contractor to submit regular reports along with the invoices. A final summary report will be prepared and submitted once the project is complete. A Project Monitoring Plan (PMP) will be prepared and submitted to DWR prior to disbursement of grant funds for construction or monitoring activities for this Project.

Deliverables: Quarterly and final reports as specified in the Grant Agreement and PMP.

Completion Status: No work has been performed for this task. (0% complete)

Category (b): Land Purchase/Easement

Task 4: Land Acquisition: The proposed Project will be constructed on property owned by the SWSD and private property within SWSD. Acquisition of easements will be performed for the work that will be constructed on private property. The project has been mapped and easement locations identified.

Deliverables: Documentation of easements necessary for construction of the project will be submitted to DWR upon request.

Completion Status: This task is approximately 10% complete.

Category (c): Planning/Design/Engineering/Environmental Documentation

Task 5: Assessment and Evaluation: Assessment and evaluation of the development of groundwater storage and protection measures, as necessary for this Project, is supported by many existing documents:

- 1) 2000 Groundwater Bank Expansion Analysis (Stored Water Recovery Unit [SWRU])
- 2) 2002 Investigation of Bank Expansion
- 3) 2004 Expansion of Conveyance Pipeline
- 4) 2005 Expansion of Banking Activities to Kern Water Bank and Pioneer Projects

Deliverables: Copies of reports prepared for the Project, as requested by DWR.

Completion Status: This task is 100% complete.

Task 6: Design/Engineering: Design is ongoing and partially complete, as described for the following Project components:

- 1) Equipping and plumbing 6 shallow wells at the Pond Poso Spreading Grounds (design 100% complete)
- 2) Installation of pump and motor units and Variable Frequency Drives (VFD's) at six Check and Reverse Flow Pumping Plants along the SWSD Pond Poso Canal (design 90% complete)



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- 3) Installation of two pump and motor units at the Junction P.P. (design 90% complete)
- 4) Construction of the Pond Road substation and 12kV electrical distribution line (design 0% complete)

Deliverables: Copies of final plans and specifications prepared for the Project, as requested by DWR.

Completion Status: This task is approximately 60% complete.

Task 7: Environmental Documentation: CEQA for the Stored Water Recovery Unit (SWRU) Project was completed in 1994 (SCH # 1993072024). A Supplemental EIR (SCH # 1999031100) was completed in 2000 and an addendum in 2002. CLWA's participation in the SWSD groundwater bank was evaluated in a 2003 Negative Declaration (SCH # 2003121024). In 2010 CLWA extended participation in the program through 2024 in a Negative Declaration (SCH # 2010111100). An addendum to that Negative Declaration is planned to be developed to address this Project, which is CLWA's participation in the SWRU.

Deliverables: Approved and adopted CEQA/NEPA documentation.

Completion Status: This task is approximately 75% complete.

Task 8: Permitting: Below is a summary of construction-related permits that will be secured for the Project:

- 1) County Road Encroachment Permit
- 2) National Pollutant Discharge Elimination System (NPDES) Permit
- 3) PM-10 Dust Control Permit from the San Joaquin Valley Air Pollution Control Board

Deliverables: Copies of permits

Completion Status: No work has been performed for this task. (0% complete)

Category (d): Construction/Implementation

Task 9: Construction Contracting: The Project will either be implemented by SWSD field personnel or by the design-build team. The process is consistent with SWSD internal policies and therefore a formal bid process for solicitation of sealed bids is not necessary. Work under this task will consist of executing contracts to get the design-build team under contract and issuance of the Notice to Proceed.

Deliverables: Notice to Proceed.

Completion Status: This task is approximately 50% complete.

Task 10: Construction/Implementation: CLWA's participation in the Project includes funding the construction of conveyance, recharge, extraction, and return facilities which include the following proposed components:

- 1) Equipping and plumbing 6 shallow wells at the Pond Poso Spreading Grounds;
- 2) Procurement and installation of pump and motor units and VFD's at six Check and Reverse Flow Pumping Plants along the SWSD's Pond Poso Canal;
- 3) Procurement and installation of two pump and motor units at the Junction P.P.; and
- 4) Construction of the Pond Road substation and 12kV electrical distribution line to support the added energy load to the SWSD grid.

Deliverables: Notice of Completion.

Completion Status: No work has been performed for this task. (0% complete). SWSD is ready to mobilize quickly to ensure that the project construction starts by April 1, 2015.

Task 11: Environmental Compliance/Mitigation/Enhancement: A pre-construction biological survey will be coordinated and monitoring will be provided (if required) during construction.

Deliverables: Information on this task will be provided during construction as part of quarterly grant reports (Task 3).

Completion Status: No work has been performed for this task. (0% complete)

Task 12: Construction Administration: During construction, SWSD staff and/or qualified engineering consultants will provide construction management and administration services. This task includes both field inspection and contract administration.

Deliverables: Quarterly and final reports.

Completion Status: No work has been performed for this task. (0% complete)



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Work Summary for Valencia Water Reclamation Plant Ultra-Violet (UV) Disinfection Facilities (SCVSD-1)

Below is a summary of the tasks necessary to complete the Project, organized by budget categories.

Category (a): Direct Project Administration Costs

Task 1: Administration: Project administration includes administration of grant and construction contracts, preparation of reports and plans, coordination of design contracts, and other activities as required to complete design and construction. This task will be coordinated by Sanitation District staff. The Project manager will be responsible for the day-to-day activities of the Project and all reporting, and will coordinate with various agencies regarding permitting, environmental, design and construction issues.

Deliverables: Invoices as required.

Completion Status: No work has been performed for this task. (0% complete)

Task 2: Labor Compliance Program: Labor compliance will be performed in accordance with the requirements of California Labor Code §1771.5(b).

Deliverables: Execution of labor compliance program; documentation furnished to DWR as requested.

Completion Status: No work has been performed for this task. (0% complete)

Task 3: Reporting: Sanitation District will prepare and submit quarterly progress reports and invoices and will require the contractor to submit monthly reports along with the invoices. The progress reports will describe activities undertaken and accomplishments of each task during the milestones achieved, and any problems encountered in the performance of the work under this contract. A final summary report will be prepared and submitted once the Project is completed. A Project Monitoring Plan (PMP) shall be submitted to DWR prior to disbursement of grant funds for construction or monitoring activities for this Project.

Deliverables: Quarterly and final reports as specified in the Grant Agreement and PMP.

Completion Status: No work has been performed for this task. (0% complete)

Category (b): Land Purchase/Easement

Not Applicable. No land purchases or right-of-way easements are required.

Category (c): Planning/Design/Engineering/Environmental Documentation

Task 5: Assessment and Evaluation: This Project was planned as part of the Santa Clarita Valley Sanitation District Chloride Compliance Facilities Plan and EIR.

Deliverables: Santa Clarita Valley Sanitation District Chloride Compliance Facilities Plan and EIR (Completed 2013).

Completion Status: This task is 100% complete.

Task 6: Design/Engineering: This Project is currently in the preliminary design phase, which includes identifying Project objectives, determining design criteria, establishing required redundancies, and generating facilities layout. The number of UV lamps will be determined for the design UV dose, UV transmittance, and design flows. The UV system supplier will be selected through a Request for Proposal (RFP) process. The UV equipment procurement agreement will be transferred to the contractor as part of the 100% plans and specifications. Final design will be based on the selected UV system.

Deliverables: Preliminary Design Report, Request for Proposal, 100% Plans and Specifications.

Completion Status: This task is approximately 1% complete.

Task 7: Environmental Documentation: The Project is part of the Santa Clarita Valley Sanitation District Chloride Compliance Facilities Plan for which the Sanitation District prepared an Environmental Impact Report. The SCVSD approved the Project and EIR on October 28, 2013.

Deliverables: Final Environmental Impact Report (Completed 2013).

Completion Status: This task is 100% complete.

Task 8: Permitting: Valencia WRP National Pollutant Discharge Elimination System (NPDES) Permit will be updated to reflect the modification in plant treatment process.

Deliverables: Valencia WRP NPDES Permit



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Completion Status: No work has been performed for this task. (0% complete)

Category (d): Construction/Implementation

Task 9: Construction Contracting: The Project will be advertised for bidding through standard SCVSD procedures. SCVSD will hold a jobsite walkthrough and respond to questions from contractors, open and review bids for completeness and to determine whether the contractor meets contract requirements, and award the Project to the responsive bidder with the lowest bid in accordance with the Public Contracting Code.

Deliverables: Notice to Proceed.

Completion Status: No work has been performed for this task. (0% complete)

Task 10: Construction/Implementation: The contractor will construct the Project in accordance with the 100% plans and specifications. Construction will include supply and installation of UV equipment and lamps in proposed concrete channels, modifications to existing chlorination facilities and plant utilities, and electrical upgrade.

Deliverables: Notice of Completion.

Completion Status: No work has been performed for this task. (0% complete)

Task 11: Environmental Compliance/Mitigation/Enhancement: The Sanitation District will conduct environmental compliance monitoring in accordance with the Valencia WRP NPDES Permit.

Mitigation for UV facilities, as identified in the Santa Clarita Valley Sanitation District Chloride Compliance Facilities Plan and EIR, will be required in relation to air quality and will be performed as necessary during construction.

Deliverables: Valencia WRP Annual Monitoring Reports to RWQCB.

Completion Status: No work has been performed for this task. (0% complete)

Task 12: Construction Administration: Construction administration/management will be performed by Sanitation District engineering staff and includes the following activity:

- Enforce that the work is performed according to contract documents
- Review submittals and witness equipment shop testing
- Process requests for information (RFI's)
- Track work tasks and deliverables on the Project's critical path
- Review progress updates and reports and track work completion for payments
- Coordinate shutdowns and critical work with plant operations and identify ongoing operational constraints
- Issue changes in work and track extra work claims and credit, and process engineering change orders

Deliverables: Quarterly and final reports as specified in the Grant Agreement.

Completion Status: No work has been performed for this task. (0% complete)