

4 Budget

Attachment 4 – Budget presents the overall Proposal budget as well as an estimated budget for each of the individual six Projects. The purpose of this attachment is to provide detailed information regarding Project budget line items, total cost, cost match, and funding request amount, for each individual Project of the Proposal. Also, this attachment will provide a description of how the costs were developed for each project by Budget Category. The Budget Categories and associated Tasks are described in the Individual Project Budgets Section. Table 7 for each of the six projects is presented to include additional information for complex Sub-Tasks and Line Items.

Overall Proposal Budget

The overall Proposal Budget is shown on Table 8. Included in this table is the Non-State Cost Share (Funding Match), Requested Grant funding, Local Sponsor Cost Share and Total Project cost for each Project. With regards to the Local Sponsor Cost Share, estimated costs were included under this category for work that will be completed by the local sponsor who will track all costs internally. In this regard, expenditures related to this work will not be used towards the Non-State Cost Share match.

Table 8 - Summary Budget
Poso Creek IRWM Implementation Grant, Proposition 84, Round 2

Individual Project Title		(a)	(b)	(c)		(d)	(e)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Local Sponsor Cost Share	Total Cost	Percent (%) Funding Match
(a)	Madera Avenue Intertie	\$ 6,009,000	\$ 4,489,755	\$ -	\$ -	\$ 10,498,755	43%
(b)	Lost Hills New Well and Tank Replacement	\$ 1,875,000	\$ 576,610	\$ -	\$ -	\$ 2,451,610	24% and DAC Waiver
(c)	Allensworth Tank Replacement and SCADA Upgrade	\$ 350,000	\$ -	\$ -	\$ 6,500	\$ 356,500	DAC Waiver
(d)	Groundwater Well Destruction Program	\$ 50,000	\$ 23,500	\$ -	\$ -	\$ 73,500	32%
(e)	On-Farm Mobile Lab for Water Use Efficiency in Support of Nutrient Management	\$ 100,000	\$ 100,000	\$ -	\$ 6,500	\$ 206,500	48%
(f)	South Shafter Sewer - Planning and Design	\$ 350,000	\$ -	\$ -	\$ 6,000	\$ 356,000	DAC Waiver
	Proposal Total	\$ 8,734,000	\$ 5,189,865	\$ -	\$ 19,000	\$ 13,942,865	
	DAC Funding Match Waiver Total	\$ -	\$ -	\$ -	\$ -	\$ 3,164,110	
	Proposal Total minus DAC Funding Match Waiver Total	\$ 8,734,000	\$ 5,189,865	\$ -	\$ 19,000	\$ 10,778,755	48%

Notes:

- Column "Local Sponsor Cost Share" includes all expenditures that will be tracked internally by the Local Sponsor. Expenditures will not be used toward the non-state cost share match.
- For the project in Row (c), the local sponsor may need a DAC waiver, however, the overall Proposal has local cost share above the 25-percent minimum.

Individual Project Budgets

4.1 Project 1 – Madera Avenue Intertie

The standardized budget for the Madera Avenue Intertie Project (Project 1) is presented in this section and is found in Table 7-1 (presented following this section). As shown, the total Project cost is estimated at \$10,498,755, with \$6,009,000 in requested grant funds and \$4,489,755 in Non-State Cost share funds, which equates to 43-percent Non-State Cost Share Funding Match for this Project.

A summary of the estimated project costs is presented in DWR’s Table 7-1 – Madera Avenue Intertie. Detailed budgets were prepared (and are included as supporting documentation immediately following this section) which support the standardized budget. In particular, there are seven tables: (1) Project-Budget Summary by Task and Subtask; (2) Engineering Consultants’ labor by Task and Subtask, and by personnel classification (labor rates are current rates for the District’s Engineering Consultant); (3) District staff labor by Task and Subtask, and by personnel classification; (4) subcontractors and expenses by Task and Subtask; (5) Detailed Construction Cost Estimate; (6) Detailed estimate of potential cost for easement acquisition; and (7) Detailed estimate of potential crop damages.

As a generalization, the Project will be staffed by the District’s Engineering Consultant, with the District’s staff time limited to the required coordination and oversight. In this regard, the District will retain GEI Consultants, Inc. (GEI), an engineering consulting firm to provide design, construction management, rights-of-way acquisition, administrative, and reporting assistance.

Matching funds will be contributed by the following four entities that have formed a Project funding agreement to share the costs to construct the Madera Avenue Intertie (percent funding commitment):

Project Funding Partners

- Semitropic Water Storage District (50-percent)
- Shafter-Wasco Irrigation District (10-percent)
- Delano-Earlimart Irrigation District (20-percent)
- Kern-Tulare Water District (20-percent)

There are no other “Non-State” Cost Share matching funds at the time of the application, however, three of the local funding partners are CVP Contractors and are pursuing federal funding identified to assist in the San Joaquin River Restoration, Water Management Goal.

An explanation of how the costs were developed is presented herein for each Budget Category.

4.1.1 Budget Category (a): Direct Project Administration Costs

The costs associated with Budget Category (a): Direct Project Administration Budget Category will be supported by Grant Funding and Non-State Cost Share Funding Match funds. It should be noted that for the Budget Category (a): Direct Project Administration Costs (Tasks 1-3), the Grant recipient (Semitropic WSD or District)) will retain an engineering consulting firm (GEI Consultants, Inc. or GEI) to assist in completing the work under this task. The chosen engineering consultant is currently providing this similar service to the Grant recipient for the Round 1 Implementation Grant. In this regard, the budgets were estimated based on recent experience with administering the Round 1 Implementation grant for the Poso Creek IRWMP. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: The Grant recipient will be responsible for development of the funding agreements and Sub-grantee Agreements, as well as coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). As the Grant recipient, the Grantee will also be responsible for overall Grant administration. The costs associated with Task 1 will be supported by the Grantee and the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and the requested Grant Funding. The total budget for Task 1 was estimated to be approximately 1-percent of the total project cost. This percentage was determined based on previous experience by the engineering consultant in implementing the Round 1 Implementation grant for the Poso Creek IRWMP.

Task 2 – Labor Compliance Program: Work under this task will include developing and implementing a Labor Compliance Program (LCP) during construction of the project. The costs associated with Task 2 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding. Since the LCP will be implemented during construction, the total cost was estimated by multiplying the number of months of construction by a lump sum amount per month for a third-party consultant to provide these services. In this regard, the total budget for Task 2 was calculated based on the length of the construction multiplied by a lump sum. The Grant recipient will be retaining the same third-party consultant who is now implementing an LCP as part of the Round 1 Implementation Grant.

Task 3 – Reporting: Work under this task will include preparing and submitting all reports as required under the Grant Agreement. The budget costs were estimated based on the assumption that once a Grant Agreement is in place, the Grant would be implemented during

a two-year program. In this regard, it is expected that the engineering consultant will assist the Grant recipient in preparing and submitting quarterly reports (8 total), a project completion report (1 total), grant completion report (1 total), and post-performance reports (10 total – 1 for each of the next 10 years). The costs associated with Task 3 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding. The total budget for Task 3 was estimated to be approximately 1-percent of the total project cost. This percentage was determined based on previous experience by the engineering consultant in implementing the Round 1 Implementation grant for the Poso Creek IRWMP.

4.1.2 Budget Category (b): Land Purchase/Easement

Land Purchase/Easement: Work under this task will include acquisition of the project rights-of-way, including permanent and temporary easements and the purchase of a small fee parcel. The budget estimates were prepared for each of the three elements necessary to acquire the necessary rights-of-way including (1) preparation of the offer letter and easement deed documentation; (2) payment to the affected landowner for acquisition of the easement/fee parcel; and (3) compensation to the affected landowners for any crop damages as a result of the construction of the project. The Grant recipient will retain an engineering consulting firm (GEI) to assist in completing the work under this task. The chosen engineering consultant has provided engineering consulting services to the District for well over 50 years. During this long tenure, the engineering consultant has provided right-of-way acquisition services for implementation of many projects, including recent projects that are similar in scope and complexity to the proposed project. In this regard, the budgets were prepared based on this recent experience and from input by the many subconsultants who would be providing their services to support this task including legal counsel, certified agricultural appraiser, title company etc.

The first element (preparation of the offer letter/easement deed) is a coordinated effort by the engineering consultant, legal counsel and certified Agricultural Appraiser all of whom have worked together on similar projects for the District and all were consulted to obtain information. This work includes preparation of the final offer letter/easement deed. The second element (payment to the affected landowners) includes budgets of the estimated costs for acquisition of the easements/fee parcel and the estimates were calculated based on the project footprint and the land value of the property that is being impacted by the project. Table 4.1-5 presents the estimated budget for projected compensation to the affected landowners for granting the easements/fee parcel based on the area of disturbance and the property value. For compensation for acquisition of the permanent easement, it is assumed that the cost is 30% of the fee value of the property per acre. For compensation for acquisition of the temporary easement, a \$250/acre rental fee was assumed. The third element (crop damage compensation) is the compensation made to the affected landowners for potential crop damages including taking out and replacing their crop to accommodate the

project. The budgets of the estimated costs for compensation of potential crop damages were determined based on the project footprint and the land value of the property that is being impacted by the project. Table 4.1-6 presents the estimated budget for potential compensation to the affected landowners for crop damages. A certified agricultural appraiser was consulted to obtain information related to land value (based on land use) to calculate the price for acquisition of project easements/fee parcel and for establishing a rate for compensation for crop damages. The costs associated with Task 3 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

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

The costs associated with Budget Category (c): Planning/Design/Engineering/Environmental Documentation will be supported by Grant Funding and Non-State Cost Share Funding Match. A breakdown of the project funding, by task, is as follows:

Task 4 – Assessment and Evaluation: The budget estimate for this task includes a preliminary conceptual design that was completed in the Fall of 2012 and early Winter of 2013 by the engineering consultant (GEI) as part of work authorized by a Task Order. As part of this work, the engineering consultant completed an evaluation to determine the optimum distance into SWID’s South Mainline Distribution System to connect to with the Intertie Pipeline to provide the most beneficial use. Several criteria were evaluated in detail to determine the tie-in locations. This work has been completed and included in the budget tables under Task 4 “Task Order-Project Description, Design, and B/C Analysis”. This work has already been completed. In this regard, the cost has been included in the budget and will count towards the Non-State Cost Share Funding Match. Future work under this task will include (1) developing an Operator’s Agreement between project sponsors for joint use and operation of the project facilities; and (2) preparation of a maintenance and operation manual for the facility. The Grant recipient will retain an engineering consulting firm (GEI) to assist in completing the future work under this task. The engineering consultant has prior experience preparing these documents and the estimated budgets were prepared based on this experience. The costs associated with Task 4 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

Task 5 – Final Design: A Preliminary conceptual design was completed for this project by the engineering consulting firm (GEI) as part of work authorized under a Task Order issued by the District in the fall of 2012 and early winter of 2013. The preliminary design made use of a previously completed conceptual design and a System Optimization Review; both completed in 2009. This Preliminary Engineering analysis was necessary to facilitate the

preparation of a reasonable cost estimate to complete this grant proposal and to define the budgets for completing the final design, environmental documentation, construction administration, land acquisition and construction. The Grant recipient will retain an engineering consulting firm (GEI) to assist in completing the work under this task. The budget was estimated to be approximately 4-percent of the total construction costs. The percentage was determined based on recent experience by the Engineering Consultant in providing similar design-phase services for a project that is similar in scope and complexity. The costs associated with Task 5 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

Task 6 – Environmental Documentation: As part of this task, an Initial Study will be prepared to comply with CEQA, which will evaluate the project’s potential for significant effects on the environment. Based on previous experience with similar projects in the area, it is anticipated that environmental compliance can be met through the preparation and filing of a Negative Declaration. The Grant recipient will retain an engineering consulting firm (GEI) to assist in completing the work under this task. The budget was estimated to be approximately 1-percent of the total project costs. The percentage was determined based on recent experience by the engineering consultant in preparing environmental documents for a project that is similar in scope and complexity. The costs associated with Task 6 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

Task 7 – Permitting: Work under this task will include acquiring all the necessary permits for the project. It is anticipated that no regulatory permits will be required, inasmuch as the work will be performed within private property in already disturbed property. In this regard, only permits related to construction will be required. It is anticipated that the following permits will be obtained (1) County Road Encroachment Permit; (2) NPDES Permit; and (3) PM-10 Dust Control Permit. The Grant recipient will retain an engineering consulting firm (GEI) to assist in completing the work under this task. In this regard, the budget estimates were determined by estimating the level of effort by the engineering consultant for completing the applications, coordinating the processing of the application with the agencies and paying the filing application fees. Each of the agencies the District would be seeking a permit from, were contacted to obtain information regarding permit filing fees and other applicable costs. The costs associated with Task 7 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

4.1.4 Budget Category (d): Construction/Implementation

The costs associated with Budget Category (d): Construction/Implementation will be supported by Grant Funding and Non-State Cost Share Funding Match. A breakdown of the project funding, by task, is as follows:

Task 8 – Construction Contracting: Work under this task includes advertising the project for solicitation of bid proposals. The Grant recipient will retain an engineering consulting firm (GEI) to assist in completing the work under this task. The engineering consultant has provided bid-phase services to the District for many years for project that are similar in scope and complexity. In this regard, the budget estimates were prepared based on this recent experience. The costs associated with Task 8 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

Task 9 – Construction: Work under this task includes construction and implementation of the project work. The estimated budgets for this task were prepared to be commensurate with the design stage. At this time, a 10-percent level design has been prepared. The engineering consulting firm (GEI) has overseen the construction of many projects for the District that were similar in scope and complexity. In this regard, the budget estimates were prepared based on this experience. Table 4.1-4-Construction Estimate presents the budget for the construction of the project. The costs associated with Task 9 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

4.1.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 10 - Environmental Compliance: As part of this task, it is expected that a pre-construction biological survey will be completed. No other environmental compliance/mitigation enhancement measures are expected inasmuch as the project will be constructed on already disturbed property. In this regard, the budget was prepared to reflect retaining a certified biologist to conduct a pre-construction biological survey and prepare a report. A certified biologist was consulted and provided a cost estimate and this information was used to determine the overall budget for this task. The costs associated with Task 10 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

4.1.6 Budget Category (f): Construction Administration

Task 11 – Construction Administration: Work under this task involves all contract administration and field inspection during construction of the Project. The Grant recipient will retain an engineering consulting firm (GEI) to assist in completing the work under this task. The engineering consultant has provided construction administration services to the District for many years for projects that are similar in scope and complexity. In this regard, the budget estimates were prepared based on this experience. The budget was estimated to be approximately 6-percent of the total construction cost (construction cost + land purchase/easement cost). The costs associated with Task 11 will be supported by the Grant recipient and shared by the Project Funding Partners in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

4.1.7 Budget Category (g): Other Costs

Costs under Budget Category (g): Other Costs have been included under the "Direct Costs" column for Tasks 1-11 in the budget tables (Tables 4.1-1 thru 4.1-3). Costs for legal services required to support the project have been included in Table 4.1-3-Project Budget-Subconsultants and Expenses under "Legal Counsel". All other costs associated with obtaining licenses and permits required for the project have been included as part of Task 7-Permitting in the budget tables (Tables 4.1-1 thru 4.1-3).

4.1.8 Budget Category (h): Construction/Implementation Contingency

Under this budget category, costs were included for items with unknown conditions that could be encountered during construction and implementation of the project. The construction contingency for this project was calculated to be 10-percent of the total construction costs (construction cost + land purchase/easement cost).

4.1.9 Tables

- Table 7-1: Project Budget – Project 1: Madera Avenue Intertie
- Project 1 – Madera Avenue Intertie - Project Budget-Summary
- Table 4.1-1 – Project Budget-Engineering Consultant
- Table 4.1-2 – Project Budget-District Staff
- Table 4.1-3 – Project Budget-Subconsultants and Expenses
- Table 4.1-4 – Construction Estimate
- Table 4.1-5 – Estimate of Easement Costs
- Table 4.1-6 – Estimate of Potential Crop Damages

Table 7-1: Project Budget
Poso Creek IRWM Implementation Grant, Proposition 84, Round 2
Project 1: Madera Avenue Intertie

Project Serves a need of a DAC? No
 Funding Match Waiver request? No

Category	(a)	(b)	(c)	(d)
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a) Direct Project Administration				
Task 1 - Administration	\$ 57,590	\$ 57,591	\$ -	\$ 115,181
Task 2 - Labor Compliance Program	\$ 19,301	\$ 19,302	\$ -	\$ 38,603
Task 3 - Reporting	\$ 58,543	\$ 58,543	\$ -	\$ 117,086
(b) Land Purchase/ Easement	\$ 273,825	\$ 273,826	\$ -	\$ 547,651
(c) Planning/Design/Engineering/Environmental Documentation				
Task 4 - Assessment and Evaluation	\$ 53,780	\$ 53,780	\$ -	\$ 107,560
Task 5 - Final Design	\$ 166,028	\$ 166,029	\$ -	\$ 332,057
Task 6 - Environmental Documentation	\$ 52,724	\$ 52,724	\$ -	\$ 105,448
Task 7 - Permitting	\$ 2,886	\$ 2,887	\$ -	\$ 5,773
(d) Construction Implementation				
Task 8 - Construction Contracting	\$ 14,189	\$ 14,189	\$ -	\$ 28,378
Task 9 - Construction	\$ 5,058,693	\$ 2,708,007	\$ -	\$ 7,766,700
(e) Environmental Compliance/Mitigation/Enhancement				
Task 10 - Environmental Compliance/Mitigation/Enhancement	\$ 3,151	\$ 3,151	\$ -	\$ 6,302
(f) Construction Administration				
Task 11 - Construction Administration	\$ 248,290	\$ 248,290	\$ -	\$ 496,580
(g) Other Costs	\$ -	\$ -	\$ -	\$ -
(h) Construction/Implementation Contingency	\$ -	\$ 831,435	\$ -	\$ 831,435
(i) Grand Total	\$ 6,009,000	\$ 4,489,755	\$ -	\$ 10,498,755

*List sources of funding: *Use as much space as required*

Prop. 84 - Round 2 - Integrated Regional Water Management Implementation Grant
Project 1 - Madera Avenue Intertie
Project Budget-Summary

Task Number/Name	Engineering Consultant	District Staff	Subconsultant	Other Direct Costs	Total Costs	Comments-Direct Costs
CATEGORY (a): DIRECT PROJECT ADMINISTRATION						
Task 1 - Project Administration	\$ 89,484	\$ 23,287	\$ 1,760	\$ 650	\$115,181	
Review & Execution of DWR Grant Contract	\$ 8,936	\$ 1,645	\$ 880	\$ -	\$11,461	
Attend Grant Kick-Off Meeting	\$ 2,632	\$ 1,020	\$ -	\$ -	\$3,652	
Coordination of Field Visits with DWR	\$ 1,232	\$ 666	\$ -	\$ -	\$1,898	
Preparation of Invoices & Maintenance of Financial Records	\$ 42,096	\$ 8,106	\$ -	\$ 250	\$50,452	Printing, reproduction, clerical expenses etc.
Preparation of Requests for Grant Modifications	\$ 8,056	\$ 1,705	\$ -	\$ -	\$9,761	
Preparation of Grant Deliverables	\$ 9,976	\$ 2,059	\$ -	\$ 250	\$12,285	
Coordination Between Grant Recipient & Local Sponsors	\$ 15,240	\$ 3,750	\$ -	\$ 100	\$19,090	Printing, reproduction, clerical expenses etc.
Coordinating Development of a Funding Agreement	\$ 1,316	\$ 4,336	\$ 880	\$ 50	\$6,582	
Task 2 - Labor Compliance Program	\$ 6,660	\$ 393	\$ 31,500	\$ 50	\$38,603	
Submit Application to DIR for LCP Approval	\$ 2,444	\$ 393	\$ -	\$ -	\$2,837	
Develop and Implement LCP	\$ 4,216	\$ -	\$ 31,500	\$ 50	\$35,766	Printing, reproduction, clerical expenses etc.
Task 3 - Reporting	\$ 110,408	\$ 5,978	\$ -	\$ 700	\$117,086	
Quarterly Progress Reports	\$ 44,864	\$ 1,494	\$ -	\$ 250	\$46,608	
Project Completion Reports	\$ 20,664	\$ 630	\$ -	\$ 50	\$21,344	Printing, reproduction, clerical expenses etc.
Grant Completion Report	\$ 22,064	\$ 630	\$ -	\$ 150	\$22,844	
Post Performance Report	\$ 22,816	\$ 3,223	\$ -	\$ 250	\$26,289	
CATEGORY (b): LAND PURCHASE/EASEMENT						
Land Purchase/Easement	\$ 32,972	\$ 5,375	\$ 31,500	\$ 477,804	\$547,651	
Conduct Field Work for Facilities Layout	\$ 3,504	\$ -	\$ -	\$ -	\$3,504	
Order Litigation Guarantees	\$ 1,404	\$ -	\$ -	\$ 5,530	\$6,934	14 Lit. Guarantees @ \$395/Lit. Guar.
Communicate with Affected Landowners	\$ 1,232	\$ 2,916	\$ -	\$ -	\$4,148	
Prepare Plat & Legal Description of Proposed Easement	\$ 24,368	\$ 754	\$ -	\$ -	\$25,122	
Preparation of Appraisals	\$ 616	\$ -	\$ 15,000	\$ -	\$15,616	15 R/W Parcels @ \$1,000 per R/W Parcel
Preparation of Offer Letter for Purchase of Easement	\$ 616	\$ 1,585	\$ 7,500	\$ -	\$9,701	15 R/W Parcels @ \$500 per R/W Parcel
Transmit Final Package to Landowner	\$ 616	\$ 120	\$ 1,500	\$ -	\$2,236	15 R/W Parcels @ \$100 per R/W Parcel
Acquisition of Easement and Fee Parcel-Direct Cost	\$ -	\$ -	\$ -	\$ 194,850	\$194,850	See Table 4.1-5-Estimate of Easement Costs
Crop Damage Assessment	\$ 616	\$ -	\$ 7,500	\$ -	\$8,116	15 R/W Parcels @ \$500 per R/W Parcel
Crop Damage Compensation-Direct Cost	\$ -	\$ -	\$ -	\$ 277,424	\$277,424	See Table 4.1-6-Estimate of Potential Crop Damages
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION						
Task 4 - Assessment and Evaluation	\$ 93,960	\$ 13,600	\$ -	\$ -	\$107,560	
Task Order - Project Description, Design, and B/C Analysis	\$ 48,000	\$ -	\$ -	\$ -	\$48,000	
District Operators Agreement	\$ 15,320	\$ 9,067	\$ -	\$ -	\$24,387	
Operations and Maintenance Manual	\$ 30,640	\$ 4,533	\$ -	\$ -	\$35,173	
Task 5 - Final Design	\$ 219,040	\$ 3,017	\$ 110,000	\$ -	\$332,057	
Subtask 5.1 - Final Hydraulic Analysis	\$ 4,992	\$ 666	\$ 35,000	\$ -	\$40,658	
Subtask 5.2 - Geotechnical Investigation	\$ 1,232	\$ -	\$ 20,000	\$ -	\$21,232	
Subtask 5.3 - Surveying & Aerial Mapping	\$ 2,896	\$ -	\$ 25,000	\$ -	\$27,896	
Subtask 5.4 - Utility Verification	\$ 4,352	\$ -	\$ -	\$ -	\$4,352	
Subtask 5.5 - Final Design	\$ 143,200	\$ 666	\$ 30,000	\$ -	\$173,866	
Subtask 5.6 - Construction Cost Estimates	\$ 5,792	\$ 666	\$ -	\$ -	\$6,458	
Subtask 5.7 - Preparation of Plans & Specs	\$ 56,576	\$ 1,020	\$ -	\$ -	\$57,596	
Task 6 - Environmental Documentation	\$ 73,448	\$ 2,250	\$ 27,500	\$ 2,250	\$105,448	
Subtask 6.1 - Project Description	\$ 20,312	\$ 666	\$ -	\$ -	\$20,978	
Subtask 6.2 - Technical Studies	\$ 1,400	\$ -	\$ 20,000	\$ -	\$21,400	
Subtask 6.3 - Initial Study/Negative Declaration	\$ 51,736	\$ 1,585	\$ 7,500	\$ 2,250	\$63,071	County CEQA filing fee
Task 7 - Permitting	\$ 3,408	\$ 765	\$ -	\$ 1,600	\$5,773	
County Road Encroachment Permit	\$ 1,136	\$ 255	\$ -	\$ -	\$1,391	
NPDES Permit	\$ 1,136	\$ 255	\$ -	\$ 1,250	\$2,641	Permit filing fee
PM-10 Dust Control Permit	\$ 1,136	\$ 255	\$ -	\$ 350	\$1,741	Permit filing fee
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION						
Task 8 - Construction Contracting	\$ 17,092	\$ 2,436	\$ 4,250	\$ 4,600	\$28,378	
Advertise & Solicit Bids	\$ 960	\$ -	\$ -	\$ 1,800	\$2,760	Estimate of cost for advertising in the local newspaper.
Reproduce & Distribute Plans & Specifications	\$ 1,304	\$ -	\$ -	\$ 2,500	\$3,804	Estimate of cost for reproduction of Plans and Specs.
Respond to Prospective Bidders' RFI's	\$ 4,384	\$ -	\$ 1,250	\$ -	\$5,634	
Prepare Addendas	\$ 3,152	\$ -	\$ 3,000	\$ 250	\$6,402	Printing, reproduction, clerical expenses etc.
Conduct Pre-Bid Tour & Conference	\$ 1,232	\$ 1,020	\$ -	\$ -	\$2,252	
Conduct Bid Opening	\$ 1,232	\$ 1,020	\$ -	\$ -	\$2,252	
Evaluate Bid Proposals	\$ 4,040	\$ -	\$ -	\$ -	\$4,040	
Issue the Notice to Proceed	\$ 788	\$ 396	\$ -	\$ 50	\$1,234	Printing, reproduction, clerical expenses etc.
Task 9 - Construction					\$7,766,700	
Subtask 9.1 - Mobilization & Site Preparation						
Subtask 9.2 - Project Construction						See Table 4.1-4 - Construction Cost Estimate
Subtask 9.3 - Performance Testing & Demobilization						
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT						
Task 10 - Environmental Compliance	\$ 1,136	\$ 166	\$ 5,000	\$ -	\$6,302	
Environmental Compliance	\$ 1,136	\$ 166	\$ 5,000	\$ -	\$6,302	
CATEGORY (f): CONSTRUCTION ADMINISTRATION						
Task 11 - Construction Administration	\$ 460,624	\$ 9,916	\$ 11,500	\$ 14,540	\$496,580	
Pre-Construction Meeting & Conference	\$ 2,464	\$ 1,020	\$ -	\$ -	\$3,484	
Weekly Construction Meetings/Site Visits	\$ 48,048	\$ 8,160	\$ -	\$ -	\$56,208	
Process Technical Submittals	\$ 47,056	\$ -	\$ 10,000	\$ 500	\$57,556	Printing, reproduction, clerical expenses etc.
Process RFI's	\$ 15,992	\$ -	\$ 1,250	\$ -	\$17,242	
Process Contract Change Orders & CM's	\$ 15,992	\$ -	\$ -	\$ 250	\$16,242	Printing, reproduction, clerical expenses etc.
PM Coordination	\$ 80,496	\$ -	\$ -	\$ 1,000	\$81,496	
Inspection of Construction Work	\$ 221,328	\$ -	\$ -	\$ 12,490	\$233,818	Mileage: 260 round trips @85 mi/trip@ 0.565/mi
Project Close-Out	\$ 13,944	\$ 510	\$ -	\$ 100	\$14,554	
"As-Built" Drawings	\$ 13,580	\$ -	\$ 250	\$ 100	\$13,930	Printing, reproduction, clerical expenses etc.
Notice of Completion	\$ 1,724	\$ 226	\$ -	\$ 100	\$2,050	
CATEGORY (g): OTHER COSTS					\$0	Please refer to Note 11 below.
CATEGORY (h): CONSTRUCTION/IMPLEMENTATION CONTINGENCY-10% CONTINGENCY					\$831,435	Contingency was calculated as 10% of construction costs and land purchase/easements and crop damage.
Total Costs	\$1,108,232	\$67,183	\$223,010	\$502,194	\$10,498,755	

Notes:

- This table is supported by six detailed tables, which are included immediately following (See Table 4.1-1 thru Table 4.1-6).
- Budgets for Task 1, 2 and 3 (Direct Project Administration) were estimated based on experience with administering the Round 1 Implementation grant for the Poso Creek IRWMP.
- Land Purchase and Easement budget was estimated based on recent experience with acquiring project easements for a project similar in scope and complexity.
- Task 5-Final Design budget was estimated to be approximately 4% of the total construction costs. The percentage was determined based on recent experience by the Engineering Consultant in providing similar design-phase services for a project similar in scope and complexity.
- Task 6-Environmental Documentation budget was estimated based on preparation of recent similar environmental documents by the Engineering Consultant.
- Task 7-Permitting budget was estimated based on recent experience by the Engineering Consultant with acquiring similar permits.
- Task 8-Construction Contracting budget was estimated based on recent experience by the Engineering Consultant with providing bid-phase services.
- Task 9-Construction-Refer to Table 4.1-4.
- Task 10-Environmental Compliance budget was based on recent experience by a certified biologist in providing similar services.
- Task 11-Construction Administration budget was estimated to be approximately 6% of the total construction costs. The percentage was determined based on recent experience by the Engineering Consultant in providing similar construction administration services for a project similar in scope and complexity.
- Costs under Category (g)-Other Costs have been included under the "Direct Costs" column for Tasks 1-11. Costs for legal services required to support the project have been included in Table 4.1-3-Project Budget-Subconsultants and Expenses under "Legal Counsel".
- Category (h)-Construction/Implementation Contingency: Engineer's construction cost estimate based on the completion of the 10-percent level design. Construction contingencies and escalations appropriate to this level of estimate have been included. A 10% contingency has been included.

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 Project 1 - Madera Avenue Intertie
 Table 4.1-1 Project Budget-Engineering Consultant

Task Number/Name	Consulting Engineer								Total Costs
	Senior Principal	Principal	Managing Senior	Senior	Staff	Inspector	Senior CADD Drafter/ Designer/ GIS	Admin Staff	
	Grade 8	Grade 7	Grade 6	Grade 5	Grade 4				
	\$234	\$208	\$175	\$154	\$130	\$106	\$116	\$86	
CATEGORY (a): DIRECT PROJECT ADMINISTRATION									
Task 1 - Project Administration	\$ -	\$ -	\$ 24,500	\$ 53,592	\$ 5,200	\$ -	\$ -	\$ 6,192	\$89,484
Review & Execution of DWR Grant Contract	-	-	24	24	8	-	-	-	\$8,936
Attend Grant Kick-Off Meeting	-	-	8	8	-	-	-	-	\$2,632
Coordination of Field Visits with DWR	-	-	-	8	-	-	-	-	\$1,232
Preparation of Invoices & Maintenance of Financial Records	-	-	48	192	-	-	-	48	\$42,096
Preparation of Requests for Grant Modifications	-	-	8	32	8	-	-	8	\$8,056
Preparation of Grant Deliverables	-	-	8	40	8	-	-	16	\$9,976
Coordination Between Grant Recipient & Local Sponsors	-	-	40	40	16	-	-	-	\$15,240
Coordinating Development of a Funding Agreement	-	-	4	4	-	-	-	-	\$1,316
Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -	\$ 4,928	\$ 1,560	\$ -	\$ -	\$ 172	\$6,660
Submit Application to DIR for LCP Approval	-	-	-	8	8	-	-	2	\$2,444
Develop and Implement LCP	-	-	-	24	4	-	-	-	\$4,216
Task 3 - Reporting	\$ -	\$ -	\$ 19,600	\$ 57,904	\$ 29,120	\$ -	\$ -	\$ 3,784	\$110,408
Quarterly Progress Reports	-	-	32	192	64	-	-	16	\$44,864
Project Completion Reports	-	-	16	80	40	-	-	4	\$20,664
Grant Completion Report	-	-	24	80	40	-	-	4	\$22,064
Post Performance Report	-	-	40	24	80	-	-	20	\$22,816
CATEGORY (b): LAND PURCHASE/EASEMENT									
Land Purchase/Easement	\$ -	\$ -	\$ -	\$ 25,872	\$ 6,240	\$ -	\$ -	\$ 860	\$32,972
Conduct Field Work for Facilities Layout	-	-	-	16	8	-	-	-	\$3,504
Order Litigation Guarantees	-	-	-	8	-	-	-	2	\$1,404
Communicate with Affected Landowners	-	-	-	8	-	-	-	-	\$1,232
Prepare Plat & Legal Description of Proposed Easement	-	-	-	120	40	-	-	8	\$24,368
Preparation of Appraisals	-	-	-	4	-	-	-	-	\$616
Preparation of Offer Letter for Purchase of Easement	-	-	-	4	-	-	-	-	\$616
Transmit Final Package to Landowner	-	-	-	4	-	-	-	-	\$616
Acquisition of Easement and Fee Parcel-Direct Cost	-	-	-	-	-	-	-	-	\$0
Crop Damage Assessment	-	-	-	4	-	-	-	-	\$616
Crop Damage Compensation-Direct Cost	-	-	-	-	-	-	-	-	\$0
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION									
Task 4 - Assessment and Evaluation	\$ -	\$ 24,960	\$ 21,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$93,960
Task Order - Project Description, Design, and B/C Analysis	-	-	-	-	-	-	-	-	\$48,000
District Operators Agreement	-	40	40	-	-	-	-	-	\$15,320
Operations and Maintenance Manual	-	80	80	-	-	-	-	-	\$30,640
Task 5 - Final Design	\$ 24,336	\$ 116,480	\$ -	\$ 43,120	\$ 5,200	\$ -	\$ 27,840	\$ 2,064	\$219,040
Subtask 5.1 - Final Hydraulic Analysis	-	24	-	-	-	-	-	-	\$4,992
Subtask 5.2 - Geotechnical Investigation	-	-	-	8	-	-	-	-	\$1,232
Subtask 5.3 - Surveying & Aerial Mapping	-	8	-	8	-	-	-	-	\$2,896
Subtask 5.4 - Utility Verification	-	-	-	8	24	-	-	-	\$4,352
Subtask 5.5 - Final Design	80	480	-	160	-	-	-	-	\$143,200
Subtask 5.6 - Construction Cost Estimates	-	16	-	16	-	-	-	-	\$5,792
Subtask 5.7 - Preparation of Plans & Specs	24	32	-	80	16	-	240	24	\$56,576
Task 6 - Environmental Documentation	\$ -	\$ 38,272	\$ 29,400	\$ -	\$ -	\$ -	\$ 3,712	\$ 2,064	\$73,448
Subtask 6.1 - Project Description	-	64	40	-	-	-	-	-	\$20,312
Subtask 6.2 - Technical Studies	-	-	8	-	-	-	-	-	\$1,400
Subtask 6.3 - Initial Study/Negative Declaration	-	120	120	-	-	-	32	24	\$51,736
Task 7 - Permitting	\$ -	\$ -	\$ -	\$ 1,848	\$ 1,560	\$ -	\$ -	\$ -	\$3,408
County Road Encroachment Permit	-	-	-	4	4	-	-	-	\$1,136
NPDES Permit	-	-	-	4	4	-	-	-	\$1,136
PM-10 Dust Control Permit	-	-	-	4	4	-	-	-	\$1,136
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION									
Task 8 - Construction Contracting	\$ -	\$ -	\$ -	\$ 14,168	\$ -	\$ -	\$ -	\$ 2,924	\$17,092
Advertise & Solicit Bids	-	-	-	4	-	-	-	4	\$960
Reproduce & Distribute Plans & Specifications	-	-	-	4	-	-	-	8	\$1,304
Respond to Prospective Bidders' RFI's	-	-	-	24	-	-	-	8	\$4,384
Prepare Addendas	-	-	-	16	-	-	-	8	\$3,152
Conduct Pre-Bid Tour & Conference	-	-	-	8	-	-	-	-	\$1,232
Conduct Bid Opening	-	-	-	8	-	-	-	-	\$1,232
Evaluate Bid Proposals	-	-	-	24	-	-	-	4	\$4,040
Issue the Notice to Proceed	-	-	-	4	-	-	-	2	\$788
Task 9 - Construction	See Table 4.1-4- Construction Cost Estimate								
Subtask 9.1 - Mobilization & Site Preparation									
Subtask 9.2 - Project Construction									
Subtask 9.3 - Performance Testing & Demobilization									
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT									
Task 10 - Environmental Compliance	\$ -	\$ -	\$ -	\$ 616	\$ 520	\$ -	\$ -	\$ -	\$1,136
Environmental Compliance	-	-	-	4	4	-	-	-	\$1,136
CATEGORY (f): CONSTRUCTION ADMINISTRATION									
Task 11 - Construction Administration	\$ 14,976	\$ 19,968	\$ -	\$ 160,776	\$ 31,200	\$ 221,328	\$ 9,280	\$ 3,096	\$460,624
Pre-Construction Meeting & Conference	-	-	-	16	-	-	-	-	\$2,464
Weekly Construction Meetings/Site Visits	-	-	-	312	-	-	-	-	\$48,048
Process Technical Submittals	-	40	-	40	240	-	-	16	\$47,056
Process RFI's	-	16	-	80	-	-	-	4	\$15,992
Process Contract Change Orders & CM's	-	16	-	80	-	-	-	4	\$15,992
PM Coordination	56	16	-	416	-	-	-	-	\$80,496
Inspection of Construction Work	-	-	-	-	-	2,088	-	-	\$221,328
Project Close-Out	4	-	-	80	-	-	-	8	\$13,944
"As-Built" Drawings	-	8	-	16	-	-	80	2	\$13,580
Notice of Completion	4	-	-	4	-	-	-	2	\$1,724
Total Costs	\$39,312	\$199,680	\$94,500	\$362,824	\$80,600	\$221,328	\$40,832	\$21,156	\$1,108,232

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 Table 4.1-2 - Project Budget-District Staff

Task Number/Name	Semitropic Water Storage District							Total Costs
	General Manager	District Engineer	Engineer II/ Operator	Engineer	Accounting Supervisor	Staff Accountant	Admin Assistant	
	\$115	\$83	\$68	\$44	\$50	\$39	\$30	
CATEGORY (a): DIRECT PROJECT ADMINISTRATION								
Task 1 - Project Administration	\$ 6,436	\$ 8,652	\$ -	\$ 1,063	\$ 1,982	\$ 4,074	\$ 1,080	\$23,287
Review & Execution of DWR Grant Contract	8	8	-	-	-	-	2	\$1,645
Attend Grant Kick-Off Meeting	-	8	-	8	-	-	-	\$1,020
Coordination of Field Visits with DWR	-	8	-	-	-	-	-	\$666
Preparation of Invoices & Maintenance of Financial Records	8	24	-	-	24	96	8	\$8,106
Preparation of Requests for Grant Modifications	8	8	-	-	-	-	4	\$1,705
Preparation of Grant Deliverables	8	8	-	8	-	-	4	\$2,059
Coordination Between Grant Recipient & Local Sponsors	8	24	-	8	-	-	16	\$3,750
Coordinating Development of a Funding Agreement	16	16	-	-	16	8	2	\$4,336
Task 2 - Labor Compliance Program	\$ -	\$ 333	\$ -	\$ -	\$ -	\$ -	\$ 60	\$393
Submit Application to DIR for LCP Approval	-	4	-	-	-	-	2	\$393
Develop and Implement LCP	-	-	-	-	-	-	-	\$0
Task 3 - Reporting	\$ -	\$ 2,662	\$ -	\$ 2,836	\$ -	\$ -	\$ 480	\$5,978
Quarterly Progress Reports	-	8	-	16	-	-	4	\$1,494
Project Completion Reports	-	4	-	4	-	-	4	\$630
Grant Completion Report	-	4	-	4	-	-	4	\$630
Post Performance Report	-	16	-	40	-	-	4	\$3,223
CATEGORY (b): LAND PURCHASE/EASEMENT								
Land Purchase/Easement	\$ 1,839	\$ 3,328	\$ -	\$ 89	\$ -	\$ -	\$ 120	\$5,375
Conduct Field Work for Facilities Layout	-	-	-	-	-	-	-	\$0
Order Litigation Guarantees	-	-	-	-	-	-	-	\$0
Communicate with Affected Landowners	8	24	-	-	-	-	-	\$2,916
Prepare Plat & Legal Description of Proposed Easement	-	8	-	2	-	-	-	\$754
Preparation of Appraisals	-	-	-	-	-	-	-	\$0
Preparation of Offer Letter for Purchase of Easement	8	8	-	-	-	-	-	\$1,585
Transmit Final Package to Landowner	-	-	-	-	-	-	4	\$120
Acquisition of Easement and Fee Parcel-Direct Cost	-	-	-	-	-	-	-	\$0
Crop Damage Assessment	-	-	-	-	-	-	-	\$0
Crop Damage Compensation-Direct Cost	-	-	-	-	-	-	-	\$0
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION								
Task 4 - Assessment and Evaluation	\$ 4,137	\$ 2,995	\$ 4,873	\$ 1,595	\$ -	\$ -	\$ -	\$13,600
Task Order - Project Description, Design, and B/C Analysis	-	-	-	-	-	-	-	-
District Operators Agreement	24	24	48	24	-	-	-	\$9,067
Operations and Maintenance Manual	12	12	24	12	-	-	-	\$4,533
Task 5 - Final Design	\$ -	\$ 2,662	\$ -	\$ 354	\$ -	\$ -	\$ -	\$3,017
Subtask 5.1 - Final Hydraulic Analysis	-	8	-	-	-	-	-	\$666
Subtask 5.2 - Geotechnical Investigation	-	-	-	-	-	-	-	\$0
Subtask 5.3 - Surveying & Aerial Mapping	-	-	-	-	-	-	-	\$0
Subtask 5.4 - Utility Verification	-	-	-	-	-	-	-	\$0
Subtask 5.5 - Final Design	-	8	-	-	-	-	-	\$666
Subtask 5.6 - Construction Cost Estimates	-	8	-	-	-	-	-	\$666
Subtask 5.7 - Preparation of Plans & Specs	-	8	-	8	-	-	-	\$1,020
Task 6 - Environmental Documentation	\$ 919	\$ 1,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$2,250
Subtask 6.1 - Project Description	-	8	-	-	-	-	-	\$666
Subtask 6.2 - Technical Studies	-	-	-	-	-	-	-	\$0
Subtask 6.3 - Initial Study/Negative Declaration	8	8	-	-	-	-	-	\$1,585
Task 7 - Permitting	\$ -	\$ 499	\$ -	\$ 266	\$ -	\$ -	\$ -	\$765
County Road Encroachment Permit	-	2	-	2	-	-	-	\$255
NPDES Permit	-	2	-	2	-	-	-	\$255
PM-10 Dust Control Permit	-	2	-	2	-	-	-	\$255
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION								
Task 8 - Construction Contracting	\$ 230	\$ 1,497	\$ -	\$ 709	\$ -	\$ -	\$ -	\$2,436
Advertise & Solicit Bids	-	-	-	-	-	-	-	\$0
Reproduce & Distribute Plans & Specifications	-	-	-	-	-	-	-	\$0
Respond to Prospective Bidders' RFI's	-	-	-	-	-	-	-	\$0
Prepare Addendas	-	-	-	-	-	-	-	\$0
Conduct Pre-Bid Tour & Conference	-	8	-	8	-	-	-	\$1,020
Conduct Bid Opening	-	8	-	8	-	-	-	\$1,020
Evaluate Bid Proposals	-	-	-	-	-	-	-	\$0
Issue the Notice to Proceed	2	2	-	-	-	-	-	\$396
Task 9 - Construction								
Subtask 9.1 - Mobilization & Site Preparation	See Table 4.1-4- Construction Cost Estimate							
Subtask 9.2 - Project Construction	See Table 4.1-4- Construction Cost Estimate							
Subtask 9.3 - Performance Testing & Demobilization	See Table 4.1-4- Construction Cost Estimate							
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT								
Task 10 - Environmental Compliance	\$ -	\$ 166	\$ -	\$ -	\$ -	\$ -	\$ -	\$166
Environmental Compliance	-	2	-	-	-	-	-	\$166
CATEGORY (f): CONSTRUCTION ADMINISTRATION								
Task 11 - Construction Administration	\$ -	\$ 6,489	\$ -	\$ 3,368	\$ -	\$ -	\$ 60	\$9,916
Pre-Construction Meeting & Conference	-	8	-	8	-	-	-	\$1,020
Weekly Construction Meetings/Site Visits	-	64	-	64	-	-	-	\$8,160
Process Technical Submittals	-	-	-	-	-	-	-	\$0
Process RFI's	-	-	-	-	-	-	-	\$0
Process Contract Change Orders & CM's	-	-	-	-	-	-	-	\$0
PM Coordination	-	-	-	-	-	-	-	\$0
Inspection of Construction Work	-	-	-	-	-	-	-	\$0
Project Close-Out	-	4	-	4	-	-	-	\$510
"As-Built" Drawings	-	-	-	-	-	-	-	\$0
Notice of Completion	-	2	-	-	-	-	2	\$226
Total Costs	\$13,561	\$30,614	\$4,873	\$10,280	\$1,982	\$4,074	\$1,800	\$67,183

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Table 4.1-3 - Project Budget-Subconsultants and Expenses

Task Number/Name	Subconsultants										Total Costs (Sub + Direct Costs)	
	Agricultural Appraiser	Archaeological	Biological	Electrical	Geotechnical	Labor Compliance Program	Legal Counsel	Surge Analysis	Surveyor	Other Direct Costs		
CATEGORY (a): DIRECT PROJECT ADMINISTRATION												
Task 1 - Project Administration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,760	\$ -	\$ -	\$ -	\$ 650	\$2,410
Review & Execution of DWR Grant Contract	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 880	\$ -	\$ -	\$ -	\$ -	\$880
Attend Grant Kick-Off Meeting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Coordination of Field Visits with DWR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Preparation of Invoices & Maintenance of Financial Records	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250	\$250
Preparation of Requests for Grant Modifications	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Preparation of Grant Deliverables	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250	\$250
Coordination Between Grant Recipient & Local Sponsors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$100
Coordinating Development of a Funding Agreement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 880	\$ -	\$ -	\$ -	\$ 50	\$930
Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$31,500	\$ -	\$ -	\$ -	\$ -	\$ 50	\$31,550
Submit Application to DIR for LCP Approval	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Develop and Implement LCP	\$ -	\$ -	\$ -	\$ -	\$ -	\$31,500	\$ -	\$ -	\$ -	\$ -	\$ 50	\$31,550
Task 3 - Reporting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 700	\$700
Quarterly Progress Reports	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250	\$250
Project Completion Reports	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50	\$50
Grant Completion Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150	\$150
Post Performance Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250	\$250
CATEGORY (b): LAND PURCHASE/EASEMENT												
Land Purchase/Easement	\$22,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,000	\$ -	\$ -	\$ -	\$477,804	\$509,304
Conduct Field Work for Facilities Layout	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Order Litigation Guarantees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,530	\$5,530
Communicate with Affected Landowners	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Prepare Plat & Legal Description of Proposed Easement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Preparation of Appraisals	\$15,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$15,000
Preparation of Offer Letter for Purchase of Easement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,500	\$ -	\$ -	\$ -	\$ -	\$7,500
Transmit Final Package to Landowner	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$1,500
Acquisition of Easement and Fee Parcel-Direct Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$194,850	\$194,850
Crop Damage Assessment	\$ 7,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$7,500
Crop Damage Compensation-Direct Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$277,424
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION												
Task 4 - Assessment and Evaluation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Task Order - Project Description, Design, and B/C Analysis	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
District Operators Agreement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Operations and Maintenance Manual	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Task 5 - Final Design	\$ -	\$ -	\$ -	\$30,000	\$20,000	\$ -	\$ -	\$35,000	\$25,000	\$ -	\$ -	\$110,000
Subtask 5.1 - Final Hydraulic Analysis	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$35,000	\$ -	\$ -	\$ -	\$35,000
Subtask 5.2 - Geotechnical Investigation	\$ -	\$ -	\$ -	\$ -	\$20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$20,000
Subtask 5.3 - Surveying & Aerial Mapping	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$25,000	\$ -	\$ -	\$25,000
Subtask 5.4 - Utility Verification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Subtask 5.5 - Final Design	\$ -	\$ -	\$ -	\$30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$30,000
Subtask 5.6 - Construction Cost Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Subtask 5.7 - Preparation of Plans & Specs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Task 6 - Environmental Documentation	\$ -	\$8,000	\$12,000	\$ -	\$ -	\$ -	\$ 7,500	\$ -	\$ -	\$ -	\$ 2,250	\$29,750
Subtask 6.1 - Project Description	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Subtask 6.2 - Technical Studies	\$ -	\$8,000	\$12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$20,000
Subtask 6.3 - Initial Study/Negative Declaration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,500	\$ -	\$ -	\$ -	\$ 2,250	\$9,750
Task 7 - Permitting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,600	\$1,600
County Road Encroachment Permit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
NPDES Permit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,250	\$1,250
PM-10 Dust Control Permit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350	\$350
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION												
Task 8 - Construction Contracting	\$ -	\$ -	\$ -	\$ 4,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,600	\$8,850
Advertise & Solicit Bids	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,800	\$1,800
Reproduce & Distribute Plans & Specifications	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500	\$2,500
Respond to Prospective Bidders' RFI's	\$ -	\$ -	\$ -	\$ 1,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,250
Prepare Addendas	\$ -	\$ -	\$ -	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250	\$3,250
Conduct Pre-Bid Tour & Conference	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Conduct Bid Opening	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Evaluate Bid Proposals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Issue the Notice to Proceed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50	\$50
Task 9 - Construction	See Table 4.1-4- Construction Cost Estimate											
Subtask 9.1 - Mobilization & Site Preparation												
Subtask 9.2 - Project Construction												
Subtask 9.3 - Performance Testing & Demobilization												
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT												
Task 10 - Environmental Compliance	\$ -	\$ -	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$5,000
Environmental Compliance	\$ -	\$ -	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$5,000
CATEGORY (f): CONSTRUCTION ADMINISTRATION												
Task 11 - Construction Administration	\$ -	\$ -	\$ -	\$11,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,540	\$26,040
Pre-Construction Meeting & Conference	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Weekly Construction Meetings/Site Visits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Process Technical Submittals	\$ -	\$ -	\$ -	\$10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500	\$10,500
Process RFI's	\$ -	\$ -	\$ -	\$ 1,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,250
Process Contract Change Orders & CM's	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250	\$250
PM Coordination	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000	\$1,000
Inspection of Construction Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,490	\$12,490
Project Close-Out	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$100
"As-Built" Drawings	\$ -	\$ -	\$ -	\$ 250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$350
Notice of Completion	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$100
Total Costs	\$22,500	\$8,000	\$17,000	\$45,750	\$20,000	\$31,500	\$18,260	\$35,000	\$25,000	\$502,194	\$725,204	

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 Project 1 - Madera Avenue Intertie
 Table 4.1-4-Construction Estimate

Item No.	Description	Estimated Quantity	Unit	\$/Unit	Total Cost
PROJECT-WIDE ITEMS					\$ 190,000
1	Mobilization/Demobilization	1	LS	\$ 150,000	\$ 150,000
2	Surveying and Staking	1	LS	\$ 15,000	\$ 15,000
3	Soils and Concrete Testing	1	LS	\$ 25,000	\$ 25,000
MADERA AVENUE INTERTIE PIPELINE					\$ 5,385,200
4	Double 30" PVC: SWSD Lat. B-230 to Wasco Avenue	29,570	LF	\$ 120	\$ 3,548,400
5	Single 30" PVC: Wasco Ave. to SWID Lat. 137.2 at SE Cor. of Sec. 5	17,160	LF	\$ 90	\$ 1,544,400
6	Single 30" PVC: Wasco Ave. to SWID Lat. 137.2 at SE Cor. of Sec. 1	1,320	LF	\$ 120	\$ 158,400
7	Connection to SWID - 54" Lat. 137.2 Including 54"-Isolation Valve	1	LS	\$ 50,000	\$ 50,000
8	Connection to SWID - 42" Lat. 137.2 Including 42"-Isolation Valve	1	LS	\$ 40,000	\$ 40,000
9	County Road Crossings - Open cut with traffic control, etc.	6	EA	\$ 5,000	\$ 30,000
10	8" Vacuum Valve	7	EA	\$ 2,000	\$ 14,000
MADERA AVENUE INTERTIE PUMPING PLANT					\$ 2,191,500
11	1 - 5cfs pump with 100 hp motor	100	hp	\$ 1,100	\$ 110,000
12	2 - 10cfs pump with 200 hp motor	400	hp	\$ 1,100	\$ 440,000
13	1 - 5cfs pump with 125 hp motor	125	hp	\$ 1,100	\$ 137,500
14	2 - 10cfs pump with 250 hp motor	500	hp	\$ 1,100	\$ 550,000
15	Additional Manifold piping	1	LS	\$ 200,000	\$ 200,000
16	36" Butterfly Valve	1	EA	\$ 7,500	\$ 7,500
17	24" Butterfly Valve	10	EA	\$ 5,000	\$ 50,000
18	12" Ball Valve	2	EA	\$ 3,000	\$ 6,000
19	Reinforced-Concrete Meter Vault	2	EA	\$ 50,000	\$ 100,000
20	24" Bi-Directional Sonic Meter	4	EA	\$ 3,000	\$ 12,000
21	56" Bi-Directional Flowmeter	1	EA	\$ 3,000	\$ 3,000
22	30' Diameter x 70' High Steel Standpipe	1	EA	\$ 151,200	\$ 151,200
23	30' Diameter x 85' High Steel Standpipe	1	EA	\$ 169,300	\$ 169,300
24	Electrical Work	1	LS	\$ 100,000	\$ 100,000
25	Air Chamber	2	EA	\$ 20,000	\$ 40,000
26	PH Adjustment Facility	1	LS	\$ 115,000	\$ 115,000
TOTAL COSTS					\$ 7,766,700

Notes:

1. Costs based on 2013-level prices.
2. Engineer's cost estimate based on the completion of the 10-percent level design.
3. Estimate prepared based on recent experience with projects implemented that are similar in scope and complexity.

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Project 1 - Madera Avenue Intertie

Table 4.1-5-Estimate of Easement Costs

		Distance (miles)	Distance (feet)	Permanent Easement Width (feet)	Permanent Easement Area (sqft)	Perm. Easement Area (acres)	Value of fee parcel (per acre)	30% of fee parcel	Total Easement Cost	Total Easement Cost with 10% Severance
Section 3										
1/2 mile of annual crop	double	0.50	2,640	40	105,600	2.42	\$14,000	\$4,200	\$10,182	\$11,200
1/4 mile of young trees	double	0.25	1,320	40	52,800	1.21	\$24,000	\$7,200	\$8,727	\$9,600
1/4 mile of mature trees	double	0.25	1,320	40	52,800	1.21	\$24,000	\$7,200	\$8,727	\$9,600
Section 2										
3/4 mile mature trees	double	0.75	3,960	40	158,400	3.64	\$24,000	\$7,200	\$26,182	\$28,800
1/4 mile open ground	double	0.25	1,320	40	52,800	1.21	\$14,000	\$4,200	\$5,091	\$5,600
Section 1										
1/2 mile young trees	double	0.50	2,640	40	105,600	2.42	\$24,000	\$7,200	\$17,455	\$19,200
1/2 mile open ground	double	0.50	2,640	40	105,600	2.42	\$14,000	\$4,200	\$10,182	\$11,200
Section 6										
1/4 mile young trees	double	0.25	1,320	40	52,800	1.21	\$24,000	\$7,200	\$8,727	\$9,600
1/4 mile annual crop	single	0.25	1,320	20	26,400	0.61	\$14,000	\$4,200	\$2,545	\$2,800
1/2 mile annual crop	single	0.50	2,640	20	52,800	1.21	\$14,000	\$4,200	\$5,091	\$5,600
1/2 mile mature trees	single	0.50	2,640	20	52,800	1.21	\$24,000	\$7,200	\$8,727	\$9,600
Section 5										
1/4 mile vineyard	single	0.25	1,320	20	26,400	0.61	\$20,000	\$6,000	\$3,636	\$4,000
1/4 mile annual crop	single	0.25	1,320	20	26,400	0.61	\$14,000	\$4,200	\$2,545	\$2,800
1/2 mile vineyard	single	0.50	2,640	20	52,800	1.21	\$20,000	\$6,000	\$7,273	\$8,000
1/4 mile vineyard	single	0.25	1,320	20	26,400	0.61	\$20,000	\$6,000	\$3,636	\$4,000
Total		5.75				21.8			\$128,727	\$141,600

Notes:

Permanent Easement valued at 30% of the fee simple fair market value.

Temporary Easement valued at the appropriate rental rate for farmland at \$250/acre.

Fee parcel value for open ground/annual crop: \$14,000/acre; trees: \$24,000/acre; vineyard: \$20,000; and idle land with no water: \$3,500/acre.

Fair market value by land use provided by Steve Runyan, Certified Agricultural Appraiser on February 15, 2013.

Temporary Easement (double pipe) = 3.25mi x 5280ft/mi x 50ft x 1acre/43,560sqft =19.69 acres

Temporary Easement (single pipe) = 2.5mi x 5280ft/mi x 55ft x 1acre/43,560sqft =16.67 acres

Total Cost of Temporary Easement = 19.69 acre + 16.67 acre = 36.36 acres x \$250 /acre = \$9,090

Total Cost of Permanent Easement = \$141,600 (See table above)

Total Cost of Easements (Permanent + Temporary)= \$141,600+\$9,090 = \$150,690

Fee Parcel = (200ft x 400ft x 1acre/43,560 sqft=1.84acres)

Fee Parcel Cost = 1.84acres x \$24,000/acre = \$44,160

Grant Total = Easement Costs + Fee Parcel Cost = \$150,690 + \$44,160 = \$194,850

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 Project 1 - Madera Avenue Intertie
 Table 4.1-6-Estimate of Potential Crop Damages

		Distance (miles)	Distance (feet)	Total Easement Width (feet)	Road Width	Total Affected Width	Total Easement Area (sqft)	Total Easement Area (acres)	Crop Damage Cost (per acre)	Total Crop Damage Cost
Section 3										
1/2 mile of annual crop	double	0.50	2,640	90	20	70	184,800	4.24	\$1,000	\$4,242
1/4 mile of young trees	double	0.25	1,320	90	20	70	92,400	2.12	\$10,500	\$22,273
1/4 mile of mature trees	double	0.25	1,320	90	20	70	92,400	2.12	\$10,500	\$22,273
Section 2										
3/4 mile mature trees	double	0.75	3,960	90	20	70	277,200	6.36	\$10,500	\$66,818
1/4 mile open ground	double	0.25	1,320	90	20	70	92,400	2.12	\$0	\$0
Section 1										
1/2 mile young trees	double	0.50	2,640	90	20	70	184,800	4.24	\$10,500	\$44,545
1/2 mile open ground	double	0.50	2,640	90	20	70	184,800	4.24	\$0	\$0
Section 6										
1/4 mile young trees	double	0.25	1,320	90	20	70	92,400	2.12	\$10,500	\$22,273
1/4 mile annual crop	single	0.25	1,320	75	20	55	72,600	1.67	\$1,000	\$1,667
1/2 mile annual crop	single	0.50	2,640	75	20	55	145,200	3.33	\$1,000	\$3,333
1/2 mile mature trees	single	0.50	2,640	75	20	55	145,200	3.33	\$10,500	\$35,000
Section 5										
1/4 mile vineyard	single	0.25	1,320	75	20	55	72,600	1.67	\$8,000	\$13,333
1/4 mile annual crop	single	0.25	1,320	75	20	55	72,600	1.67	\$1,000	\$1,667
1/2 mile vineyard	single	0.50	2,640	75	20	55	145,200	3.33	\$8,000	\$26,667
1/4 mile vineyard	single	0.25	1,320	75	20	55	72,600	1.67	\$8,000	\$13,333
Total		5.75						44.2		\$277,424

Notes:

1. Land use based on information gathered during a site visit in November 2012.
2. "Total Affected Width" refers to the total easement width minus the area lying within existing roads (which are assumed to be 20' wide).
3. "Total Easement Width" refers to the sum of the permanent and temporary easement widths.
4. The exact pipeline alignment offset distance is unknown and it is assumed that the total affected easement width lies entirely on one side of the mid-section and section line.
5. Crop damage refers to compensation made to affected landowners for taking out and replacing crop.
6. Crop damage assessment based on crop type: young trees: \$10,500/acre; old trees: \$4,000/acre; annual crop: \$1,000/acre; and vineyard: \$8,000/acre.
7. Crop damage assessment by crop provided by Steve Runyan, Certified Agricultural Appraiser on February 15, 2013.

4.2 Project 2 – Lost Hills New Well and Tank Replacement

The standardized budget for the Lost Hills New Well and Tank Replacement Project (Project 2) is presented in this section and is found in Table 7-2 (presented following this section). As shown, the total Project cost is estimated at \$2,451,610 with \$1,875,000 in requested grant funds and \$576,610 in Non-State Cost Share Funding Match, which equates to 24-percent Non-State Cost Share Funding Match for this Project.

A summary of the estimated project costs is presented in DWR’s Table 7-2 – Lost Hills New Well and Tank Replacement Project. Detailed budgets were prepared (and are included as supporting documentation immediately following this section) which support the standardized budget. In particular, there are five tables: (1) Project-Budget Summary by Task and Subtask; (2) Engineering Consultants’ labor by Task and Subtask, and by personnel classification (labor rates are current rates for the District’s Engineering Consultant); (3) District staff labor by Task and Subtask, and by personnel classification; (4) subcontractors and expenses by Task and Subtask; and (5) Detailed Construction Cost Estimates.

As a generalization, the Project will be staffed by the local sponsor’s Engineering Consultant, with the LHUD’s staff time limited to the required coordination and oversight. In this regard, the District will retain Cannon Corporation (Cannon), an engineering consulting firm to provide design, construction management, administrative, and reporting assistance.

An explanation of how the costs were developed is presented herein for each Budget Category.

4.2.1 Budget Category (a): Direct Project Administration Costs

The costs associated with Budget Category (a): Direct Project Administration Budget Category will be supported by Grant Funding and Non-State Cost Share Funding Match. It should be noted that for the Budget Category (a): Direct Project Administration Costs (Tasks 1-3), the local sponsor will retain an engineering consulting firm (Cannon) to assist in completing the work under this task. The chosen engineering consultant is currently providing this similar service to LHUD, who is a project participant and a local sponsor under the Round 1 Implementation Grant. In this regard, the budgets were estimated based on recent experience by the engineering consultant with providing similar services to the local sponsor under the Round 1 Implementation grant. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: The local sponsor (LHUD) will be responsible for coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The total budget for Task 1 was estimated to be approximately 1-percent of the total project cost. This percentage was determined based on previous experience by the engineering consultant in providing similar services to the local sponsor as part of the Round 1

Implementation grant. Task 1 will be supported by the local sponsor in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

Task 2 – Labor Compliance Program: Work under this task will include developing and implementing a Labor Compliance Program (LCP) during construction of the project. The costs associated with Task 2 will be supported by the local sponsor in the form of monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding. Since the LCP will be implemented during construction, the total cost was estimated by multiplying the number of months of construction by a lump sum amount per month for a third-party consultant to provide these services. In this regard, the total budget for Task 2 was calculated based on the length of the construction multiplied by a lump sum. The local sponsor will be retaining the same third-party consultant who is now implementing an LCP as part of the Round 1 Implementation Grant.

Task 3 – Reporting: Work under this task will include preparing and submitting all reports as required under the Grant Agreement. The budget costs were estimated based on the assumption that once a Grant Agreement is in place, the Grant would be implemented during a two-year program. In this regard, it is expected that the engineering consultant will assist the local sponsor in preparing and submitting quarterly reports (8 total), a project completion report (1 total), and post-performance reports (10 total – 1 for each of the next 10 years). The costs associated with Task 3 will be supported by the local sponsor in the form of in-kind services and monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding. The total budget for Task 3 was estimated to be a small fraction of a percent of the total project cost. This percentage was determined based on previous experience by the engineering consultant in providing similar services to the local sponsor as part of the Round 1 Implementation grant.

4.2.2 Budget Category (b): Land Purchase/Easement

Land Purchase/Easement: The proposed Project will be constructed on property owned by the LHUD. It is anticipated that acquisition of easements will not be required. In this regard, there are no costs presented for this task.

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

The costs associated with Budget Category (c): Planning/Design/Engineering/Environmental Documentation Costs will be supported by the Non-State Cost Share Funding Match and the requested Grant Funding. A breakdown of the project funding, by task, is as follows:

Task 4 – Assessment and Evaluation: Work under this task will include preparation of a Preliminary Engineering Design Report. The local sponsor will make use of a Water Master Plan that is being developed with funds from the Round 1 Implementation Grant. The local

sponsor will retain an engineering consulting firm (Cannon) to assist in completing the work under this task. The engineering consultant has prior experience preparing preliminary engineering design reports and the estimated budgets were prepared based on this experience. The costs associated with Task 4 will be supported by the local sponsor in the form of monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

Task 5 – Design: Work under this task will include completing all the design work to the final design level. The local sponsor will retain an engineering consulting firm (Cannon) to assist in completing the work under this task. The budget was estimated to be approximately 13% of the total construction costs. The estimate was based on providing a final design for both components (1) New Well and (1) Tank Replacement. The percentage was determined based on recent experience by the engineering consultant in providing similar design-phase services for a project that is similar in scope and complexity. The costs associated with Task 5 will be supported by the local sponsor in the form of monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

Task 6 – Environmental Documentation: Consultation was made with an Environmental Consulting firm regarding the preparation of a CEQA document. Based on this consultation, it is anticipated that an Initial Study will be sufficient to satisfy the requirements of CEQA. In this regard, as part of this task, an Initial Study with a Negative Declaration will be prepared. The local sponsor will retain an engineering consulting firm to assist in completing the work under this task. The budget was estimated to be approximately 2-percent of the total project costs. The percentage was determined based on recent experience by the Engineering Consultant in preparing environmental documents for a project that is similar in scope and complexity. The costs associated with Task 6 will be supported by the local sponsor in the form of monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

Task 7 – Permitting: Work under this task will include acquiring all the necessary permits for the project. It is anticipated that no regulatory permits will be required, inasmuch as the work will be performed within private property in already disturbed land. In this regard, only permits related to construction will be required. It is anticipated that a well drilling permit will be obtained. The local sponsor will retain an engineering consulting firm (Cannon) to assist in completing the work under this task. In this regard, the budget estimates were determined by estimating the level of effort by the engineering consultant for completing the application, coordinating the processing of the application with the County and paying the filing application fee. The County was contacted to obtain information regarding permit filing fees and other applicable costs. The costs associated with Task 7 will be supported by the local sponsor in the form of monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

4.2.4 Budget Category (d): Construction/Implementation

The costs associated with Budget Category (d): Construction/Implementation will be supported by the Non-State Cost Share Funding Match and the requested Grant Funding. A breakdown of the project funding, by task, is as follows:

Task 8 – Construction Contracting: Work under this task includes advertising the project for solicitation of bid proposals. The local sponsor will retain an engineering consulting firm (Cannon) to assist in completing the work under this task. The estimate was based on providing construction contracting services for both components (1) New Well and (1) Tank Replacement and assuming that construction of both would occur independently and would require construction contracting for both. The engineering consultant has provided bid-phase services to the local sponsor for many years for projects that are similar in scope and complexity. In this regard, the budget estimates were prepared based on this experience. The costs associated with Task 8 will be supported by the local sponsor in the form of monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

Task 9 – Construction: Work under this task includes construction and implementation of the project work. The estimated budgets for this task were prepared to be commensurate with the design stage. At this time, the local sponsor has identified the elements of the project for those facilities that need to be replaced and the budget estimate is based on this effort. The engineering consultant has overseen construction of many projects for the local sponsor that are similar in scope and complexity and has a good understanding of the costs. The estimate was based on the construction of the two project components (1) New Well and (1) Tank Replacement and it is assumed that construction of both would occur independently. In this regard, the budget estimates were prepared based on this experience. Tables 4.2-3 and 4.2-4 present the construction cost estimate. The costs associated with Task 9 will be supported by the local sponsor in the form of monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

4.2.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 10 - Environmental Compliance: As part of this task, it is expected that a pre-construction biological survey will be completed. No other environmental compliance/mitigation enhancement measures are expected inasmuch as the project will be implemented on already disturbed property. In this regard, the budget was prepared to reflect retaining a certified biologist to conduct a pre-construction biological survey and prepare a report. A certified biologist was consulted and provided a cost estimate and this was used to determine the overall budget for this task. The costs associated with Task 10 will be supported by the local sponsor in the form of monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

4.2.6 Budget Category (f): Construction Administration

Task 11 – Construction Administration: Work under this task involves all contract administration and field inspection during construction of the Project. The local sponsor will retain an engineering consulting firm (Cannon) to assist in completing the work under this task. The engineering consultant has provided construction administration services to the local sponsor for many years for projects that are similar in scope and complexity. In this regard, the budget estimates were prepared based on this experience. The budget was estimated to be approximately 11-percent of the total construction cost. The estimate was based on providing construction administration services for both components (1) New Well and (1) Tank Replacement and assuming that construction of both would occur independently. The costs associated with Task 11 will be supported by the local sponsor in the form of monetary contributions for the Non-State Cost Share Funding Match and by the requested Grant Funding.

4.2.7 Budget Category (g): Other Costs

Costs under Category (g)-Other Costs have been included under the "Direct Costs" column for Tasks 1-11 in the budget tables (Table 4.2-1 thru 4.2-2).

4.2.8 Budget Category (h): Construction/Implementation Contingency

Under this budget category, costs were included for items with unknown conditions that could be encountered during construction and implementation of the project. The construction contingency for this project was calculated to be 10-percent of the total construction costs.

4.2.9 Tables

- Table 7-2: Project Budget – Project 2: Lost Hills New Well and Tank Replacement
- Project 2 - Lost Hills New Well and Tank Replacement - Project Budget – Summary
- Table 4.2-1 Project Budget – Engineering Consultant
- Table 4.2-2 Project Budget – Subconsultant and Expenses
- Table 4.2-3 Project Budget – Well Construction Estimate
- Table 4.2-4 Project Budget – Tank Replacement Estimate

Table 7-2: Project Budget

Poso Creek IRWM Implementation Grant, Proposition 84, Round 2

Project 2: Lost Hills New Well and Tank Replacement

Project Serves a need of a DAC? Yes

Funding Match Waiver request?

Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration				
	Task 1 - Administration	\$ 12,815	\$ 12,815	\$ -	\$ 25,630
	Task 2 - Labor Compliance Program	\$ 3,250	\$ 3,250	\$ -	\$ 6,500
	Task 3 - Reporting	\$ 3,080	\$ 3,080	\$ -	\$ 6,160
(b)	Land Purchase/ Easement	\$ -	\$ -	\$ -	\$ -
(c)	Planning/Design/Engineering/Environmental Documentation				
	Task 4 - Assessment and Evaluation	\$ 20,160	\$ 20,160	\$ -	\$ 40,320
	Task 5 - Final Design	\$ 109,550	\$ 109,550	\$ -	\$ 219,100
	Task 6 - Environmental Documentation	\$ 25,360	\$ 25,360	\$ -	\$ 50,720
	Task 7 - Permitting	\$ 1,120	\$ 1,120	\$ -	\$ 2,240
(d)	Construction Implementation				
	Task 8 - Construction Contracting	\$ 11,080	\$ 11,080	\$ -	\$ 22,160
	Task 9 - Construction	\$ 1,587,990	\$ 118,910	\$ -	\$ 1,706,900
(e)	Environmental Compliance/Mitigation/Enhancement				
	Task 10 - Environmental Compliance/Mitigation/Enhancement	\$ 1,840	\$ 1,840	\$ -	\$ 3,680
(f)	Construction Administration				
	Task 11 - Construction Administration	\$ 98,755	\$ 98,755	\$ -	\$ 197,510
(g)	Other Costs	\$ -	\$ -	\$ -	\$ -
(h)	Construction/Implementation Contingency	\$ -	\$ 170,690	\$ -	\$ 170,690
(i)	Grand Total	\$ 1,875,000	\$ 576,610	\$ -	\$ 2,451,610

*List sources of funding: Use as much space as required

Prop. 84 - Round 2 - Integrated Regional Water Management Implementation Grant
Project 2 - Lost Hills New Well and Tank Replacement
Project Budget-Summary

Task Number/Name	Engineering Consultant	Subconsultant	Other Direct Costs	Total Costs	Comments-Direct Costs
CATEGORY (a): DIRECT PROJECT ADMINISTRATION					
Task 1 - Project Administration	\$ 24,990	\$ 640	\$ -	\$25,630	
Grant Application Preparation	\$ 15,080	\$ -	\$ -		
Review & Execution of Sub-Grantee Agreement	\$ 360	\$ 640	\$ -	\$1,000	
Attend Grant Kick-Off Meeting/Workshop	\$ 360	\$ -	\$ -	\$360	
Preparation of Invoices & Maintenance of Financial Records	\$ 4,500	\$ -	\$ -	\$4,500	
Preparation of Requests for Grant Modifications	\$ 1,970	\$ -	\$ -	\$1,970	
Preparation of Grant Deliverables	\$ 2,720	\$ -	\$ -	\$2,720	
Coordination Between Grant Recipient & Local Sponsors	\$ -	\$ -	\$ -	\$0	
Task 2 - Labor Compliance Program	\$ -	\$ 6,500	\$ -	\$6,500	
Submit Application to DIR for LCP Approval	\$ -	\$ -	\$ -	\$0	
Develop and Implement LCP	\$ -	\$ 6,500	\$ -	\$6,500	
Task 3 - Reporting	\$ 6,160	\$ -	\$ -	\$6,160	
Quarterly Progress Reports	\$ 1,360	\$ -	\$ -	\$1,360	
Project Completion Reports	\$ 720	\$ -	\$ -	\$720	
Grant Completion Report	\$ 3,720	\$ -	\$ -	\$3,720	
Post Performance Report	\$ 360	\$ -	\$ -	\$360	
CATEGORY (b): LAND PURCHASE/EASEMENT					
Land Purchase/Easement	\$ -	\$ -	\$ -	\$0	
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION					
Task 4 - Assessment and Evaluation	\$ 35,320	\$ 5,000	\$ -	\$40,320	
Preliminary Engineering Design Report	\$ 35,320	\$ 5,000	\$ -	\$40,320	
Task 5 - Final Design	\$ 189,100	\$ 30,000	\$ -	\$219,100	
Subtask 5.1 - Final Hydraulic Analysis	\$ 10,060	\$ -	\$ -	\$10,060	
Subtask 5.2 - Geotechnical Investigation	\$ 2,680	\$ 30,000	\$ -	\$32,680	
Subtask 5.3 - Surveying & Aerial Mapping	\$ 10,080	\$ -	\$ -	\$10,080	
Subtask 5.4 - Utility Verification	\$ 10,200	\$ -	\$ -	\$10,200	
Subtask 5.5 - Final Design	\$ 123,680	\$ -	\$ -	\$123,680	
Subtask 5.6 - Construction Cost Estimates	\$ 10,800	\$ -	\$ -	\$10,800	
Subtask 5.7 - Preparation of Plans & Specs	\$ 21,600	\$ -	\$ -	\$21,600	
Task 6 - Environmental Documentation	\$ 720	\$ 50,000	\$ -	\$50,720	
Subtask 6.1 - Project Description	\$ 720	\$ 3,000	\$ -	\$3,720	
Subtask 6.2 - Technical Studies	\$ -	\$ -	\$ -	\$0	
Subtask 6.3 - Initial Study/Mitigated Negative Declaration	\$ -	\$ 47,000	\$ -	\$47,000	
Task 7 - Permitting	\$ 2,240	\$ -	\$ -	\$2,240	
Well Drilling Permit	\$ 2,240	\$ -	\$ -	\$2,240	
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION					
Task 8 - Construction Contracting	\$ 19,520	\$ -	\$ 2,640	\$22,160	
Advertise & Solicit Bids	\$ -	\$ -	\$ 2,640	\$2,640	
Reproduce & Distribute Plans & Specifications	\$ 4,960	\$ -	\$ -	\$4,960	
Respond to Prospective Bidders' RFI's	\$ 5,520	\$ -	\$ -	\$5,520	
Prepare Addendas	\$ 2,960	\$ -	\$ -	\$2,960	
Conduct Pre-Bid Tour & Conference	\$ 2,480	\$ -	\$ -	\$2,480	
Conduct Bid Opening	\$ 1,060	\$ -	\$ -	\$1,060	
Evaluate Bid Proposals	\$ 1,760	\$ -	\$ -	\$1,760	
Issue the Notice to Proceed	\$ 780	\$ -	\$ -	\$780	
Task 9 - Construction				\$1,706,900	
Subtask 9.1 - Mobilization & Site Preparation					
Subtask 9.2 - Project Construction	See Tables 4.2-3 and 4.2-4 - Construction Cost Estimate			\$1,706,900	
Subtask 9.3 - Performance Testing & Demobilization					
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT					
Task 10 - Environmental Compliance	\$ 3,680	\$ -	\$ -	\$3,680	
Environmental Compliance	\$ 3,680	\$ -	\$ -	\$3,680	
CATEGORY (f): CONSTRUCTION ADMINISTRATION					
Task 11 - Construction Administration	\$ 197,510	\$ -	\$ -	\$197,510	
Pre-Construction Meeting & Conference	\$ 720	\$ -	\$ -	\$720	
Weekly Construction Meetings/Site Visits	\$ 21,000	\$ -	\$ -	\$21,000	
Process Technical Submittals	\$ 9,680	\$ -	\$ -	\$9,680	
Process RFI's	\$ 9,680	\$ -	\$ -	\$9,680	
Process Contract Change Orders & CM's	\$ 9,680	\$ -	\$ -	\$9,680	
PM Coordination	\$ 8,160	\$ -	\$ -	\$8,160	
Inspection of Construction Work	\$ 124,200	\$ -	\$ -	\$124,200	
Project Close-Out	\$ 8,080	\$ -	\$ -	\$8,080	
"As-Built" Drawings	\$ 4,600	\$ -	\$ -	\$4,600	
Notice of Completion	\$ 1,710	\$ -	\$ -	\$1,710	
CATEGORY (g): OTHER COSTS				\$0	
CATEGORY (h): CONSTRUCTION/IMPLEMENTATION CONTINGENCY-10% CONTINGENCY				\$170,690	
Total Costs	\$479,240	\$92,140	\$2,640	\$2,451,610	

Notes:

- This table is supported by four detailed tables, which are included immediately following (See Table 4.2-1 thru Table 4.2-4).
- Budgets for Task 1, 2 and 3 (Direct Project Administration) were estimated based on experience with administering the Round 1 Implementation grant for the Poso Creek IRWMP.
- Task 5-Final Design budget was determined based on recent experience by the Engineering Consultant in providing similar design-phase services for a project similar in scope and complexity.
- Task 6-Environmental Documentation budget was estimated based on preparation of recent similar environmental documents by the Engineering Consultant.
- Task 7-Permitting budget was estimated based on recent experience by the Engineering Consultant with acquiring similar permits.
- Task 8-Construction Contracting budget was estimated based on recent experience by the Engineering Consultant with providing bid-phase services.
- Task 9-Construction-Refer to Tables 4.2-3 and 4.2-4.
- Task 10-Environmental Compliance budget was based on recent experience by a certified biologist in providing similar services.
- Task 11-Construction Administration budget was determined based on recent experience by the Engineering Consultant in providing similar construction administration services for a project similar in scope and complexity.
- Costs under Category (g)-Other Costs have been included under the "Direct Costs" column for Tasks 1-11. Costs for legal services required (if applicable) to support the project have been included in Table 4.2-2-Project Budget-Subconsultants and Expenses under "Legal Counsel".
- Category (h)-Construction/Implementation Contingency: Engineer's construction cost estimate based on the completion of the 10-percent level design. Construction contingencies and escalations appropriate to this level of estimate have been included. A 10% contingency has been included.

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 Project 2 - Lost Hills New Well and Tank Replacement
 Table 4.2-1-Project Budget-Engineering Consultant

Task Number/Name	Consulting Engineer								Total Costs
	Senior Principal	Principal	Survey Crew	Associate Engineer	Staff	Inspector	Senior CADD Drafter/ Designer/ GIS	Admin Staff	
	\$180	\$155	\$210	\$140	\$125	\$115	\$115	\$70	
CATEGORY (a): DIRECT PROJECT ADMINISTRATION									
Task 1 - Project Administration	\$ 7,920	\$ -	\$ -	\$ 6,720	\$ 7,750	\$ -	\$ 920	\$ 1,680	\$24,990
Grant Application Preparation	32	-	-	48	-	-	8	24	\$15,080
Review & Execution of Sub-Grantee Agreement	2	-	-	-	-	-	-	-	\$360
Attend Grant Kick-Off Meeting/Workshop	2	-	-	-	-	-	-	-	\$360
Preparation of Invoices & Maintenance of Financial Records	-	-	-	-	36	-	-	-	\$4,500
Preparation of Requests for Grant Modifications	4	-	-	-	10	-	-	-	\$1,970
Preparation of Grant Deliverables	4	-	-	-	16	-	-	-	\$2,720
Coordination Between Grant Recipient & Local Sponsors	-	-	-	-	-	-	-	-	\$0
Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Submit Application to DIR for LCP Approval	-	-	-	-	-	-	-	-	\$0
Develop and Implement LCP	-	-	-	-	-	-	-	-	\$0
Task 3 - Reporting	\$ 2,160	\$ -	\$ -	\$ -	\$ 4,000	\$ -	\$ -	\$ -	\$6,160
Quarterly Progress Reports	2	-	-	-	8	-	-	-	\$1,360
Project Completion Reports	4	-	-	-	-	-	-	-	\$720
Grant Completion Report	4	-	-	-	24	-	-	-	\$3,720
Post Performance Report	2	-	-	-	-	-	-	-	\$360
CATEGORY (b): LAND PURCHASE/EASEMENT									
Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION									
Task 4 - Assessment and Evaluation	\$ 11,880	\$ -	\$ -	\$ 13,440	\$ -	\$ -	\$ 5,520	\$ 4,480	\$35,320
Preliminary Engineering Design Report	66	-	-	96	-	-	48	64	\$35,320
Task 5 - Final Design	\$ 28,080	\$ -	\$ 54,600	\$ 68,320	\$ -	\$ -	\$ 30,820	\$ 7,280	\$189,100
Subtask 5.1 - Final Hydraulic Analysis	16	-	16	24	-	-	4	-	\$10,060
Subtask 5.2 - Geotechnical Investigation	4	-	4	8	-	-	-	-	\$2,680
Subtask 5.3 - Surveying & Aerial Mapping	-	-	48	-	-	-	-	-	\$10,080
Subtask 5.4 - Utility Verification	4	-	-	48	-	-	24	-	\$10,200
Subtask 5.5 - Final Design	120	-	160	280	-	-	240	24	\$123,680
Subtask 5.6 - Construction Cost Estimates	4	-	16	48	-	-	-	-	\$10,800
Subtask 5.7 - Preparation of Plans & Specs	8	-	16	80	-	-	-	80	\$21,600
Task 6 - Environmental Documentation	\$ 720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$720
Subtask 6.1 - Project Description	4	-	-	-	-	-	-	-	\$720
Subtask 6.2 - Technical Studies	-	-	-	-	-	-	-	-	\$0
Subtask 6.3 - Initial Study/Mitigated Negative Declaration	-	-	-	-	-	-	-	-	\$0
Task 7 - Permitting	\$ -	\$ -	\$ -	\$ 2,240	\$ -	\$ -	\$ -	\$ -	\$2,240
Kern County Permitting	-	-	-	16	-	-	-	-	\$2,240
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION									
Task 8 - Construction Contracting	\$ 5,760	\$ -	\$ -	\$ 8,680	\$ 2,000	\$ -	\$ -	\$ 3,080	\$19,520
Advertise & Solicit Bids	-	-	-	-	-	-	-	-	\$0
Reproduce & Distribute Plans & Specifications	4	-	-	-	16	-	-	32	\$4,960
Respond to Prospective Bidders' RFI's	12	-	-	24	-	-	-	-	\$5,520
Prepare Addendas	4	-	-	16	-	-	-	-	\$2,960
Conduct Pre-Bid Tour & Conference	6	-	-	8	-	-	-	4	\$2,480
Conduct Bid Opening	2	-	-	4	-	-	-	2	\$1,060
Evaluate Bid Proposals	2	-	-	8	-	-	-	4	\$1,760
Issue the Notice to Proceed	2	-	-	2	-	-	-	2	\$780
Task 9 - Construction	See Tables 4.2-3 and 4.2-4- Construction Cost Estimate								
Subtask 9.1 - Mobilization & Site Preparation									
Subtask 9.2 - Project Construction									
Subtask 9.3 - Performance Testing & Demobilization									
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT									
Task 10 - Environmental Compliance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,680	\$ -	\$ -	\$3,680
Environmental Compliance	-	-	-	-	-	32	-	-	\$3,680
CATEGORY (f): CONSTRUCTION ADMINISTRATION									
Task 11 - Construction Administration	\$ 13,320	\$ 18,600	\$ 3,360	\$ 26,880	\$ -	\$ 126,270	\$ 4,600	\$ 4,480	\$197,510
Pre-Construction Meeting & Conference	4	-	-	-	-	-	-	-	\$720
Weekly Construction Meetings/Site Visits	36	72	-	-	-	-	-	48	\$21,000
Process Technical Submittals	4	-	-	64	-	-	-	-	\$9,680
Process RFI's	4	-	-	64	-	-	-	-	\$9,680
Process Contract Change Orders & CM's	4	-	-	64	-	-	-	-	\$9,680
PM Coordination	4	48	-	-	-	-	-	-	\$8,160
Inspection of Construction Work	-	-	-	-	-	1,080	-	-	\$124,200
Project Close-Out	16	-	16	-	-	16	-	-	\$8,080
"As-Built" Drawings	-	-	-	-	-	-	40	-	\$4,600
Notice of Completion	2	-	-	-	-	2	-	16	\$1,710
Total Costs	\$69,840	\$18,600	\$57,960	\$126,280	\$13,750	\$129,950	\$41,860	\$21,000	\$479,240

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 Project 2 - Lost Hills New Well and Tank Replacement
 Table 4.2-2-Project Budget -Subconsultant and Expenses

Task Number/Name	Subconsultants									Other Direct Costs	Total Costs (Sub + Direct Costs)	
	Hydrogeologist	Environmental Documentation	Biological	Electrical	Geotechnical	Labor Compliance Program	Legal Counsel	Surge Analysis	Surveyor			
CATEGORY (a): DIRECT PROJECT ADMINISTRATION												
Task 1 - Project Administration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 640	\$ -	\$ -	\$ -	\$ -	\$ 640
Grant Application Preparation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Review & Execution of Sub-Grantee Agreement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 640	\$ -	\$ -	\$ -	\$ -	\$ 640
Attend Grant Kick-Off Meeting/Workshop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Preparation of Invoices & Maintenance of Financial Records	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Preparation of Requests for Grant Modifications	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Preparation of Grant Deliverables	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Coordination Between Grant Recipient & Local Sponsors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,500
Submit Application to DIR for LCP Approval	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Develop and Implement LCP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,500
Task 3 - Reporting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Quarterly Progress Reports	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Project Completion Reports	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Grant Completion Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Post Performance Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
CATEGORY (b): LAND PURCHASE/EASEMENT												
Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION												
Task 4 - Assessment and Evaluation	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000
Preliminary Engineering Study	5,000	-	-	-	-	-	-	-	-	-	-	\$ 5,000
Task 5 - Final Design	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Subtask 5.1 - Final Hydraulic Analysis	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Subtask 5.2 - Geotechnical Investigation	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Subtask 5.3 - Surveying & Aerial Mapping	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Subtask 5.4 - Utility Verification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Subtask 5.5 - Final Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Subtask 5.6 - Construction Cost Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Subtask 5.7 - Preparation of Plans & Specs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Task 6 - Environmental Documentation	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Subtask 6.1 - Project Description	\$ -	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000
Subtask 6.2 - Technical Studies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Subtask 6.3 - Initial Study/Mitigated Negative Declaration	\$ -	\$ 47,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,000
Task 7 - Permitting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Well Drilling Permit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION												
Task 8 - Construction Contracting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,640	\$ 2,640
Advertise & Solicit Bids	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,640	\$ 2,640
Reproduce & Distribute Plans & Specifications	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Respond to Prospective Bidders' RFI's	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Prepare Addendas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Conduct Pre-Bid Tour & Conference	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Conduct Bid Opening	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Evaluate Bid Proposals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Issue the Notice to Proceed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Task 9 - Construction	See Tables 4.2-3 and 4.2-4 - Construction Cost Estimate											
Subtask 9.1 - Mobilization & Site Preparation												
Subtask 9.2 - Project Construction												
Subtask 9.3 - Performance Testing & Demobilization												
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT												
Task 10 - Environmental Compliance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Environmental Compliance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
CATEGORY (f): CONSTRUCTION ADMINISTRATION												
Task 11 - Construction Administration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Pre-Construction Meeting & Conference	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Weekly Construction Meetings/Site Visits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Process Technical Submittals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Process RFI's	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Process Contract Change Orders & CM's	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
PM Coordination	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Inspection of Construction Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Project Close-Out	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
"As-Built" Drawings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Notice of Completion	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Total Costs	\$ 5,000	\$ 50,000	\$ 0	\$ 0	\$ 30,000	\$ 6,500	\$ 640	\$ 0	\$ 0	\$ 2,640	\$ 2,640	\$ 94,780

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 Project 2 - Lost Hills New Well and Tank Replacement
 Table 4.2-3-Project Budget - Well Construction Estimate

Item No.	Description	Estimated Quantity	Unit	\$/Unit	Total Cost
PROJECT-WIDE ITEMS					
1	Mobilization/Demobilization	1	LS	\$ 45,000	\$ 45,000
2	Pilot Well Drilling	1	LS	\$ 80,000	\$ 80,000
3	Surveying and Staking	1	LS	\$ 1,500	\$ 1,500
4	Soils and Concrete Testing	1	LS	\$ 1,500	\$ 1,500
NEW WELL CONSTRUCTION					
5	8-inch Water Line	1,300	LF	\$ 80	\$ 104,000
6	Appurtances	1	LS	\$ 65,000	\$ 65,000
7	Well Drilling and Conductor	600	LF	\$ 400	\$ 240,000
8	Well Mechanical	1	LS	\$ 85,000	\$ 85,000
9	Misc. (SWPPP, Environmental)	1	LS	\$ 15,000	\$ 15,000
TOTAL COSTS					\$ 637,000

Notes:

1. Costs based on 2013-level prices.
2. Engineer's cost estimate based on the completion of concept-level design.
3. Estimate prepared based on recent experience with projects implemented that are similar in scope and complexity.

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 Project 2 - Lost Hills New Well and Tank Replacement
 Table 4.2-4-Project Budget - Tank Replacement Estimate

Item No.	Description	Estimated Quantity	Unit	\$/Unit	Total Cost
PROJECT-WIDE ITEMS					
1	Mobilization/Demobilization	1	LS	\$ 26,500	\$ 26,500
2	Surveying and Staking	1	LS	\$ 1,500	\$ 1,500
3	Soils and Concrete Testing	1	LS	\$ 1,500	\$ 1,500
TANK REPLACEMENT					
4	Trench Sheet piling	1	LS	\$ 1,200	\$ 1,200
5	Class 2 ABC	180	CY	\$ 55	\$ 9,900
6	Earthwork	1	LS	\$ 42,000	\$ 42,000
7	Tank Foundation	1	LS	\$ 98,300	\$ 98,300
8	1.6 MG Storage Tank	1	LS	\$ 780,500	\$ 780,500
9	12-inch Transmission Main	400	LF	\$ 150	\$ 60,000
10	Sump	1	LS	\$ 15,000	\$ 15,000
11	Electrical	1	LS	\$ 18,500	\$ 18,500
12	Misc. (SWPPP, Environmental)	1	LS	\$ 15,000	\$ 15,000
TOTAL COSTS					\$ 1,069,900

Notes:

1. Costs based on 2013-level prices.
2. Engineer's cost estimate based on the completion of the concept-level design.
3. Estimate prepared based on recent experience with projects implemented that are similar in scope and complexity.

4.3 Project 3 – Allensworth Tank Replacement and SCADA Upgrade

The standardized budget for the Allensworth Tank Replacement and SCADA Upgrade Project (Project 3) is presented in this section and is found in Table 7-3 (immediately following this section). As shown, the total Project cost is estimated at \$356,500 with \$350,000 in requested grant funds and \$6,500 in Local Sponsor Cost Share funds. With regards to the Local Sponsor Cost Share, estimated costs were included under this category for work that will be completed by the local sponsor who will track all costs internally. In this regard, expenditures related to this work will not be used towards the Non-State Cost Share Funding Match

A summary of the estimated project costs is presented in DWR’s Table 7-3 – Allensworth Tank Replacement and SCADA Upgrade Project. Detailed budgets were prepared (and are included as supporting documentation immediately following this section) which support the standardized budget. In particular, there are two tables: (1) Project-Budget Summary by Task and Subtask; and (2) Detailed Construction Cost Estimates.

As a generalization, the Project will be staffed by the local sponsor with assistance from Self-Help Enterprises.

An explanation of how the costs were developed is presented herein for each Budget Category.

4.3.1 Budget Category (a): Direct Project Administration Costs

The costs associated with Budget Category (a): Direct Project Administration Budget Category will be supported by the requested Grant Funding and Local Sponsor Cost Share. With regards to Local Sponsor Cost Share, this is defined as work completed internally by the local sponsor’s staff. It should be noted that for the Budget Category (a): Direct Project Administration Costs (Tasks 1-3), the local sponsor will complete this work with assistance from Self-Help Enterprises. It should also be noted that the local sponsor is currently a project participant and a local sponsor under the Round 1 Implementation Grant. In this regard, the budgets were estimated based on recent experience by the local sponsor in implementing their project as part of the Round 1 Implementation grant. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: The local sponsor will be responsible for coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The total budget for Task 1 was estimated to be approximately a small fraction of the total project cost. This percentage was determined based on previous experience by the local sponsor in

implementing their project as part of the Round 1 Implementation grant. The costs associated with Task 1 will be supported by the local sponsor in the form of Local Sponsor Cost Share.

Task 2 – Labor Compliance Program: Work under this task will include developing and implementing a Labor Compliance Program (LCP) during construction of the project. The costs associated with Task 2 will be supported by requested Grant Funding. Since the LCP will be implemented during construction, the total cost was estimated by multiplying the number of months of construction by a lump sum amount per month for a third-party consultant to provide these services. In this regard, the total budget for Task 2 was calculated based on the length of the construction multiplied by a lump sum. The local sponsor will be retaining the same third-party consultant who is now implementing an LCP as part of the Round 1 Implementation Grant.

Task 3 – Reporting: Work under this task will include preparing and submitting all reports as required under the Grant Agreement. The budget costs were estimated based on the assumption that once a Grant Agreement is in place, the Grant would be implemented during a two-year program. In this regard, it is expected that the local sponsor staff will be preparing and submitting quarterly reports (8 total), a project completion report (1 total), and post-performance reports (10 total – 1 for each of the next 10 years). The costs associated with Task 3 will be supported by the local sponsor in the form of Local Sponsor Cost Share. The total budget for Task 3 was estimated to be a small fraction of a percent of the total project cost. This percentage was determined based on previous experience by the local sponsor in implementing their project as part of the Round 1 Implementation grant.

4.3.2 Budget Category (b): Land Purchase/Easement

Land Purchase/Easement: The proposed Project will be constructed on property owned by the local sponsor. It is anticipated that acquisition of easements will not be required. In this regard, there are no costs presented for this task.

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

The costs associated with Budget Category (c): Planning/Design/Engineering/Environmental Documentation Costs will be supported completely by the requested Grant Funding. A breakdown of the project funding, by task, is as follows:

Task 4 – Assessment and Evaluation: Work under this task will include completing an assessment and evaluation of the materials and methods for construction of the project components. This work would be completed by the contractor under a design-build contract and is included in the engineering work. In this regard, there are no costs presented for this task. All costs are presented in Task 5 – Final Design.

Task 5 – Final Design: Due to the scale of the project, it is anticipated that the local sponsor will enter into an agreement with a contractor to do the work under a Design-Build concept. In this regard, the local sponsor will work with the contractor to finalize the design concept and implement the project. The budget was estimated to be approximately 10-percent of the total construction costs (total construction cost for the new tank + permitting - mobilization). The percentage was determined based on recent experience by the engineering consultant. The costs associated with Task 5 will be supported by the requested Grant Funding.

Task 6 – Environmental Documentation: As part of this task, an Initial Study will be prepared to comply with CEQA, which will evaluate the project’s potential for significant effects on the environment. Based on previous experience with similar projects in the area, it is anticipated that environmental compliance can be met through the preparation and filing of a Negative Declaration. Self-Help Enterprises (SHE) will assist the local sponsor in filing the Negative Declaration. In this regard, the budget estimate was prepared based on the level of effort that will be required by SHE to prepare and file the Negative Declaration. The costs associated with Task 6 will be supported by the requested Grant Funding.

Task 7 – Permitting: Work under this task will include acquiring all the necessary permits for the project. It is anticipated that no regulatory permits will be required, inasmuch as the work will be performed in already disturbed land. In this regard, only permits related to construction will be required. The following permits will be required: air quality from RAQCB, SWPPP from the RWQCB, and CDPH. The local sponsor will complete and file the applications for the permits. In this regard, the budget estimates were determined by estimating the level of effort by the contractor (under the Design-Build contract) for completing the application, coordinating the processing of the application and paying the filing application fees. The agencies were contacted to obtain information regarding permit filing fees and other applicable costs. The costs associated with Task 7 will be supported by the requested Grant Funding.

4.3.4 Budget Category (d): Construction/Implementation

The costs associated with Budget Category (d): Construction/Implementation will be supported completely by the requested Grant Funding. A breakdown of the project funding, by task, is as follows:

Task 8 – Construction Contracting: Since it is anticipated that this work will be completed with a Design-Build team, the scope of work for this task is limited identifying a qualified contractor and getting him under contract to perform the work. In this regard, there are no costs presented for this task. All costs are presented in Task 9 – Construction.

Task 9 – Construction: Work under this task includes construction and implementation of the project work. The estimated budgets for this task were prepared to be commensurate with the design stage. At this time, the local sponsor has identified the elements of the project of

those facilities that need to be replaced and the budget estimate is based on this effort. The engineering consultant who prepared the construction cost estimate has overseen construction of many projects that are similar in scope and complexity. In this regard, the budget estimates were prepared based on this experience. Table 4.3-1 presents the construction cost estimate. The costs associated with Task 9 will be supported by the requested Grant Funding.

4.3.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 10 - Environmental Compliance: As part of this task, it is expected that a pre-construction biological survey will be completed. No other environmental compliance/mitigation enhancement measures are expected inasmuch as the project will be implemented on already disturbed property. In this regard, the budget was prepared to reflect retaining a certified biologist to conduct a pre-construction biological survey and prepare a report. A certified biologist was consulted and provided a cost estimate and this was used to determine the overall budget for this task. All costs for this task are presented as part of Task 9 – Construction, inasmuch as the contractor will be responsible for coordinating this work as part of the Design-Build team. The costs associated with Task 10 will be supported by the requested Grant Funding.

4.3.6 Budget Category (f): Construction Administration

Task 11 – Construction Administration: Given the nature of the work, and the fact that the work will be implemented by a Design-Build team, this task will be implemented by the team. The total budget for Task 11 was estimated to be approximately 3-percent of the total construction cost (total construction cost for the new tank + permitting - mobilization).

4.3.7 Budget Category (g): Other Costs

No other costs under Category (g)-Other Costs are included since they are not applicable.

4.3.8 Budget Category (h): Construction/Implementation Contingency

Under this budget category, costs were included for items with unknown conditions that could be encountered during construction and implementation of the project. The construction contingency for this project was calculated to be 10-percent of the total construction costs (total construction cost for the new tank + permitting - mobilization).

4.3.9 Tables

- Table 7-3: Project Budget – Project 3: Allensworth Tank Replacement and SCADA Upgrade
- Project 3 - Allensworth Tank Replacement and SCADA Upgrade - Project Budget – Summary
- Table 4.3-1 – Construction Estimate

Table 7-3: Project Budget
Poso Creek IRWM Implementation Grant, Proposition 84, Round 2
Project 3: Allensworth Tank Replacement and SCADA Upgrade

Project Serves a need of a DAC? Yes
 Funding Match Waiver request?

Category	(a)	(b)	(c)		(d)
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Local Sponsor Cost Share	Total Cost
(a) Direct Project Administration					
Task 1 - Administration	\$ -			\$ 2,000	\$ 2,000
Task 2 - Labor Compliance Program	\$ 11,250				\$ 11,250
Task 3 - Reporting	\$ -			\$ 4,500	\$ 4,500
(b) Land Purchase/ Easement	\$ -				\$ -
(c) Planning/Design/Engineering/Environmental Documentation					\$ -
Task 4 - Assessment and Evaluation	\$ -				\$ -
Task 5 - Final Design	\$ 24,910				\$ 24,910
Task 6 - Environmental Documentation	\$ 2,500				\$ 2,500
Task 7 - Permitting	\$ 20,000				\$ 20,000
(d) Construction Implementation					\$ -
Task 8 - Construction Contracting	\$ -				\$ -
Task 9 - Construction	\$ 258,200				\$ 258,200
(e) Environmental Compliance/Mitigation/Enhancement					\$ -
Task 10 - Environmental Compliance/Mitigation/Enhancement	\$ -				\$ -
(f) Construction Administration					\$ -
Task 11 - Construction Administration	\$ 7,320				\$ 7,320
(g) Other Costs	\$ -				\$ -
(h) Construction/Implementation Contingency	\$ 25,820				\$ 25,820
(i) Grand Total	\$ 350,000	\$ -	\$ -	\$ 6,500	\$ 356,500

*List sources of funding: Use as much space as required

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 Project 3 - Allensworth Tank Replacement and SCADA Upgrade
 Project Budget - Summary

Task Number/Name	ACSD Staff (Local Sponsor Cost Share)	Tank Contractor	SCADA Contractor	Other Direct Costs	Total Costs
CATEGORY (a): DIRECT PROJECT ADMINISTRATION					
Task 1 - Project Administration	\$ 2,000	\$ -	\$ -	\$ -	\$2,000
Review & Execution of Sub-Grantee Agreement	\$ 250				\$250
Attend Grant Kick-Off Meeting	\$ 250				\$250
Preparation of Invoices & Maintenance of Financial Records	\$ 500				\$500
Preparation of Requests for Grant Modifications	\$ 500				\$500
Preparation of Grant Deliverables	\$ 500				\$500
Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -	\$ 11,250	\$11,250
Submit Application to DIR for LCP Approval					\$0
Develop and Implement LCP				\$ 11,250	\$11,250
Task 3 - Reporting	\$ 4,500	\$ -	\$ -	\$ -	\$4,500
Quarterly Progress Reports	\$ 1,500				\$1,500
Project Completion Reports	\$ 1,500				\$1,500
Post Performance Report	\$ 1,500				\$1,500
CATEGORY (b): LAND PURCHASE/EASEMENT					
Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION					
Task 4 - Assessment and Evaluation	\$ -	\$ -	\$ -	\$ -	\$0
Task 5 - Final Design	\$ -	\$ 24,910	\$ -	\$ -	\$24,910
Task 6 - Environmental Documentation	\$ -		\$ -	\$ 2,500	\$2,500
Task 7 - Permitting	\$ -		\$ -	\$ 20,000	\$20,000
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION					
Task 8 - Construction Contracting	\$ -	\$ -	\$ -	\$ -	\$0
Subtask 8.1 - Identify Contractors					\$0
Subtask 8.2 - Solicit Cost Proposals					\$0
Subtask 8.3 - Award Design/Build Contract					\$0
Task 9 - Construction		\$ 236,200	\$ 22,000		\$258,200
Subtask 9.1 - Tank Repair Design/Build					
Subtask 9.2 - SCADA Installation Design/Build					
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT					
Task 10 - Environmental Compliance	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (f): CONSTRUCTION ADMINISTRATION					
Task 11 - Construction Administration	\$ -	\$ 7,320	\$ -	\$ -	\$7,320
CATEGORY (g): OTHER COSTS					
					\$0
CATEGORY (h): CONSTRUCTION/IMPLEMENTATION CONTINGENCY-10% CONTINGENCY					
		\$ 25,820			\$25,820
Total Costs	\$6,500	\$294,250	\$22,000	\$33,750	\$356,500

Notes:

- 1 This table is supported by a detailed table, which is included immediately following (See Table 4.3-1).
- 2 Budgets for Task 1, 2 and 3 (Direct Project Administration) were estimated based on experience with administering the Round 1 Implementation grant for the Poso Creek IRWMP.
- 3 Task 1 and 3- All work associated with this task will be completed by the ACSD staff and all costs will be tracked internally. In this regard, expenditures related to this task will not be used towards the non-State cost share match. These costs are shown in Table 7-3 under the column labeled "Local Sponsor Cost Share".
- 4 Task 5-Final Design budget was estimated to be approximately 10% of the total construction costs. The percentage was determined based on recent experience by the Engineering Consultant.
- 5 Task 6-Environmental Documentation budget was determined based on previous experience with filing environmental documentation.
- 6 Task 7-Budget was determined based on recent experience in obtaining the necessary permits for projects similar in scope and complexity.
- 7 Task 9-Construction-Refer to Table 4.3-1 for the budget related to the Storage Tank. The estimate for the SCADA Installation was based on a quote received by ProUsys dated Aug. 2, 2012.
- 8 Task 11-Construction Administration budget was estimated to be approximately 3% of the total construction costs. The percentage was determined based on recent experience by the Engineering Consultant in providing similar construction administration services for a project similar in scope and complexity.

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 Project 3 - Allensworth Tank Replacement and SCADA Upgrade

Table 4.3-1-Construction Estimate

Item No.	Description	Estimated Quantity	Unit	\$/Unit	Total Cost
NEW TANK					\$ 236,200
1	Mobilization/Demobilization	1	LS	\$ 12,200	\$ 12,200
1	Demolition and Disposal	1	LS	\$ 15,000	\$ 15,000
2	Electrical/Controls/Telemetry	1	LS	\$ 25,000	\$ 25,000
3	55,000 gal. Elevated Steel Tank	1	EA	\$ 168,000	\$ 168,000
4	Storage Tank Site Work	100	CY	\$ 15	\$ 1,500
5	Site Restoration	1	LS	\$ 8,000	\$ 8,000
6	Pipe Refitting	1	LS	\$ 2,500	\$ 2,500
7	Cathodic Protection	1	LS	\$ 4,000	\$ 4,000
SCADA INSTALLATION					\$ 22,000
TOTAL COSTS					\$ 258,200

Notes:

1. Costs based on 2013-level prices.
2. Mobilization/demobilization is 5% of construction cost.
3. New Tank-estimate based on recent experience with projects implemented that are similar in scope and complexity.
4. The estimate for the SCADA Upgrade was based on a quote received by ProUsys dated August 2, 2012.

4.4 Project 4 – Groundwater Well Destruction Program

The standardized budget for the Groundwater Well Destruction Project (Project 4) is presented in this section and is found in Table 7-4 (on the following pages). As shown, the total Project cost is estimated at \$73,500 with \$50,000 in requested grant funds and \$23,500 in Non-State Cost Share Funding Match, which equates to 32-percent Non-State Cost Share Funding Match for this Project.

A summary of the estimated project costs is presented in DWR’s Table 7-4 – Groundwater Well Destruction Program. A Detailed budget was prepared (and is included as supporting documentation immediately following this section) which supports the standardized budget. In particular, there is one table (1) Project-Budget Summary by Task and Subtask.

As a generalization, the Project will be staffed by the local sponsor (Semitropic WSD) in collaboration with the affected DACs and community interest groups, and Self-Help Enterprises.

Matching funds in the form of Non-State Cost Share Funding Match will be contributed entirely by landowners who will be seeking to abandon their unused well who may reside within the boundaries of the following water districts and regions:

- Cawelo Water District
- Delano-Earlimart Irrigation District
- Kern-Tulare Water District
- North Kern Water Storage District
- Semitropic Water Storage District
- Shafter-Wasco Irrigation District
- DAC Communities with working relationships with the Poso Creek IRWM Plan, such as Allensworth Community Services District, Lost Hills Utility District etc.

Each landowner will pay for a small fraction of the costs to destroy their unused well with the majority of the costs being paid for by the requested Grant Funds.

An explanation of how the costs were developed is presented herein for each Budget Category.

4.4.1 Budget Category (a): Direct Project Administration Costs

The costs associated with Budget Category (a): Direct Project Administration Budget Category will be supported by the Non-State Cost Share. It should also be noted that the local sponsor is currently a project participant and a local sponsor under the Round 1 Implementation Grant. In this regard, the budgets were estimated based on recent experience by the local sponsor in implementing their project as part of the Round 1 Implementation grant. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: The local sponsor will be responsible for coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The total budget for Task 1 was estimated to be approximately a small fraction of the total project cost. This percentage was determined based on previous experience by the local sponsor in implementing their project as part of the Round 1 Implementation grant. The costs associated with Task 1 will be supported by the local sponsor in the form of Non-State Cost Share Funding Match.

Task 2 – Labor Compliance Program: Due to the nature of the work, this project does not require that a Labor Compliance Program be developed and implemented. In this regard, a budget for this task is not presented.

Task 3 – Reporting: Work under this task will include preparing and submitting all reports as required under the Grant Agreement. The budget costs were estimated based on the assumption that once a Grant Agreement is in place, the Grant would be implemented during a two-year program. In this regard, it is expected that the local sponsor staff will be preparing and submitting quarterly reports (8 total), a project completion report (1 total), and post-performance reports (10 total – 1 for each of the next 10 years). The costs associated with Task 3 will be supported by the Non-State Cost Share Funding Match. The total budget for Task 3 was estimated to be a small fraction of a percent of the total project cost. This percentage was determined based on previous experience by the local sponsor in implementing their project as part of the Round 1 Implementation grant.

4.4.2 Budget Category (b): Land Purchase/Easement

Land Purchase/Easement: No land acquisition or easements are necessary to implement this project. In this regard, a budget for this task is not presented.

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

Task 4 – Assessment and Evaluation: The Project will be guided by a working group including the Semitropic WSD, Poso Creek IRWM RWMG, representatives from the DACs,

Self-Help Enterprises and the County of Kern. The work under this task will include identifying the unused wells, acquiring well destruction permits from the county, and retaining a licensed well driller to destroy the unused wells. This type of program has been implemented by the local sponsor in the past. Based on this recent experience, the costs for destroying an unused well in the earlier program were in the range of \$3,500- \$4,000 per well destroyed. For the preparation of this budget, it was assumed that the cost to destroy an unused well would be \$4,500 per well to account for inflation and other factors. Included in this lump sum amount is the filing fees for the well destruction permit and the cost for the licensed well contractor to destroy the unused well. It is expected that each landowner seeking to destroy its unused well will share in the cost for destroying the well of about 25-percent of the costs (part of the Non-State Cost Share Funding Match) with the remaining 75-percent of the costs covered by the requested Grant Funding. The costs associated with Task 4 will be supported by the Non-State Cost Share Funding Match and Grant Funding.

Task 5 – Design: This work will be completed as part of Task 4 – Assessment and Evaluation. In this regard, a budget for this task is part of the budget presented in Task 4 – Assessment and Evaluation.

Task 6 – Environmental Documentation: Pursuant to California Environmental Quality Act (CEQA) guidelines, the Project is exempt from CEQA. In this regard, a budget for this task is not presented.

Task 7 – Permitting: Application to the Kern County Environmental Health Services Department will be made by a licensed well driller holding a C-57 license (which has been retained by the participating landowner to do the work) for a Well Destruction Permit. This work will be completed as part of Task 4 – Assessment and Evaluation. In this regard, costs for this task are included in the budget for Task 4 – Assessment and Evaluation.

4.4.4 Budget Category (d): Construction/Implementation

Task 8 – Construction Contracting: The participating landowner will be responsible for contracting with a licensed water well driller registered with the Kern County Environmental Health Services Department. This work would be completed as part of Task 4 – Assessment and Evaluation. In this regard, costs for this task are included in the budget for Task 4 – Assessment and Evaluation.

Task 9 – Construction: Part of this task will include having a licensed well driller destroy the unused well. This work will be completed as part of Task 4 – Assessment and Evaluation. In this regard, costs for this task are included in the budget for Task 4 – Assessment and Evaluation.

4.4.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 10 - Environmental Compliance: Due to the nature of well destruction techniques, environmental compliance measures will not be required. In this regard, a budget for this task is not presented.

4.4.6 Budget Category (f): Construction Administration

Task 11 – Construction Administration: Due to the nature of the program, this task is not applicable. All work will be completed as part of Task 4-Assessment and Evaluation. In this regard, costs for this task are included in the budget for Task 4 – Assessment and Evaluation.

4.4.7 Budget Category (g): Other Costs

No other costs under Category (g)-Other Costs are included since they are not applicable.

4.4.8 Budget Category (h): Construction/Implementation Contingency

A construction/implementation contingency cost was not included for this Project.

4.4.9 Tables

- Table 7-4: Project Budget – Project 4: Groundwater Well Destruction Program
- Project 4 - Groundwater Well Destruction Program - Project Budget – Summary

Table 7-4: Project Budget
Poso Creek IRWM Implementation Grant, Proposition 84, Round 2
Project 4: Groundwater Well Destruction Program

Project Serves a need of a DAC? Yes

Funding Match Waiver request? No

Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration				
	Task 1 - Administration	\$ -	\$ 2,000	\$ -	\$ 2,000
	Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -	\$ -
	Task 3 - Reporting	\$ -	\$ 4,000	\$ -	\$ 4,000
(b)	Land Purchase/ Easement	\$ -	\$ -	\$ -	\$ -
(c)	Planning/Design/Engineering/Environmental Documentation				\$ -
	Task 4 - Assessment and Evaluation	\$ 50,000	\$ 17,500	\$ -	\$ 67,500
	Task 5 - Final Design	\$ -	\$ -	\$ -	\$ -
	Task 6 - Environmental Documentation	\$ -	\$ -	\$ -	\$ -
	Task 7 - Permitting	\$ -	\$ -	\$ -	\$ -
(d)	Construction Implementation				\$ -
	Task 8 - Construction Contracting	\$ -	\$ -	\$ -	\$ -
	Task 9 - Construction	\$ -	\$ -	\$ -	\$ -
(e)	Environmental Compliance/Mitigation/Enhancement				\$ -
	Task 10 - Environmental Compliance/Mitigation/Enhancement	\$ -	\$ -	\$ -	\$ -
(f)	Construction Administration				\$ -
	Task 11 - Construction Administration	\$ -	\$ -	\$ -	\$ -
(g)	Other Costs	\$ -	\$ -	\$ -	\$ -
(h)	Construction/Implementation Contingency	\$ -	\$ -	\$ -	\$ -
(i)	Grand Total	\$ 50,000	\$ 23,500	\$ -	\$ 73,500

*List sources of funding: Use as much space as required

Prop. 84 - Round 2 - Integrated Regional Water Management
Implementation Grant
Project 4 - Groundwater Well Destruction Program
Project Budget - Summary

Task Number/Name	Semitropic Water Storage District				Other Direct Costs	Total Costs
	General Manager	District Engineer	Engineer/Operator	Admin Assistant		
CATEGORY (a): DIRECT PROJECT ADMINISTRATION						
Task 1 - Project Administration	\$ 50	\$ 1,000	\$ 750	\$ 200	\$ -	\$2,000
Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Task 3 - Reporting	\$ -	\$ 2,500	\$ 1,250	\$ 250	\$ -	\$4,000
Quarterly Reporting						
Project Completion Report						
Post Performance Report						
CATEGORY (b): LAND PURCHASE/EASEMENT						
Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION						
Task 4 - Assessment and Evaluation	\$ -	\$ -	\$ -	\$ -	\$ 67,500	\$67,500
Task 5 - Final Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Task 6 - Environmental Documentation	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Task 7 - Permitting	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION						
Task 8 - Construction Contracting	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Task 9 - Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT						
Task 10 - Environmental Compliance	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (f): CONSTRUCTION ADMINISTRATION						
Task 11 - Construction Administration	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Total Costs	\$50	\$3,500	\$2,000	\$450	\$67,500	\$73,500

Notes:

- 1 Budgets for Task 1 and 3 (Direct Project Administration) were estimated based on experience with administering the Round 1 Implementation grant for the Poso Creek IRWMP.
- 2 Task 1 and 3- All work associated with this task will be completed by the SWSD staff and all costs will be tracked internally. In this regard, expenditures related to this task will be used towards the non-State cost share match. These costs are shown in Table 7-4 under column (b) "Non-State Fund Source".
- 3 Task 4 - The Local Sponsor has implemented a similar program. In this regard, the Local Sponsor has historical information related to costs for destroying unused wells. Based on the historical information it is estimated that the cost for destroying a single unused well will be \$4,500/well for a total of 15 wells.

4.5 Project 5 – On-Farm Mobile Lab for Water Use Efficiency in Support of Nutrient Management

The standardized budget for the On-Farm Mobile Lab for Water Use Efficiency in Support of Nutrient Management Project (Project 5) is presented in this section and is found in Table 7-5 (immediately following this section). As shown, the total Project cost is estimated at \$206,500 with \$100,000 in requested grant funds, \$100,000 in Non-State Cost Share Funding Match and \$6,500 in Local Sponsor Cost Share funds. With regards to the Local Sponsor Cost Share, estimated costs were included under this category for work that will be completed by the local sponsor who will track all costs internally. In this regard, expenditures related to this work will not be used towards the Non-State Cost Share Funding Match.

A summary of the estimated project costs is presented in DWR’s Table 7-5 – On-Farm Mobile Lab for Water Use Efficiency in Support of Nutrient Management Project. A detailed budget was prepared (and is included as supporting documentation immediately following this section) which supports the standardized budget. In particular, there is one table (1) Project-Budget Summary by Task and Subtask.

As a generalization, the Project will be staffed by the local sponsor, which is comprised by a Team Leader, Irrigation Technician, and a Secretary.

The requested Grant Funding will be applied toward operation of the Mobile Lab and the water system efficiency analysis services it provides to the Poso Creek IRWM Plan Region. The local sponsor will put forth \$100,000 in Non-State Cost Share Funding Match, which equates to a 50-percent Non-State Cost Share Funding Match for this Project.

Non-State Cost Share Funding Match will be contributed by the following entities as part of the ongoing services the NWKRCDD provides to these entities:

- Cawelo Water District (Cawelo or CWD)
- Delano-Earlimart Irrigation District (Delano-Earlimart or DEID)
- Kern-Tulare Water District (Kern-Tulare or KTWD)
- North Kern Water Storage District (North Kern or NKWSD)
- Semitropic Water Storage District (Semitropic or SWSD)
- Shafter Wasco Irrigation District (Shafter-Wasco or SWID)
- Improvement District No. 4 of the Kern County Water Agency (ID4)
- Lost Hills Water District

- Arvin –Edison Water Storage District
- Buena Vista Water Storage District
- Kern Delta Water District
- Tehachapi-Cummings County Water District
- Southern San Joaquin MUD
- Belridge Water Storage District
- Henry Miller Water District
- Wheeler Ridge-Maricopa Water Storage District
- Rosedale Rio-Bravo Water Storage District.

There is no other Non-State Cost Share Funding Match.

An explanation of how the costs were developed is presented herein for each Budget Category.

4.5.1 Budget Category (a): Direct Project Administration Costs

The costs associated with Budget Category (a): Direct Project Administration Budget Category will be supported by the Local Sponsor Cost Share. With regards to Local Sponsor Cost Share, this is defined as work completed internally by the local sponsor’s staff. It should be noted that for the Budget Category (a): Direct Project Administration Costs (Tasks 1-3), the local sponsor will complete this work. It should also be noted that the local sponsor is currently a project participant and a local sponsor under the Round 1 Implementation Grant. In this regard, the budgets were estimated based on recent experience by the local sponsor in implementing their project as part of the Round 1 Implementation grant. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: The local sponsor will be responsible for coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The total budget for Task 1 was estimated to be a small fraction of the total project cost. This percentage was determined based on previous experience by the local sponsor in implementing their project as part of the Round 1 Implementation grant. The costs associated with Task 1 will be supported by the local sponsor in the form of Local Sponsor Cost Share.

Task 2 – Labor Compliance Program: Due to the nature of the work, this project does not require that a Labor Compliance Program be developed and implemented. In this regard, a budget for this task is not presented.

Task 3 – Reporting: Work under this task will include preparing and submitting all reports as required under the Grant Agreement. The budget costs were estimated based on the assumption that once a Grant Agreement is in place, the Grant would be implemented during a two-year program. In this regard, it is expected that the local sponsor staff will be preparing and submitting quarterly reports (8 total), a project completion report (1 total), and post-performance reports (10 total – 1 for each of the next 10 years). The costs associated with Task 3 will be supported by the local sponsor in the form of Local Sponsor Cost Share. The total budget for Task 3 was estimated to be a small fraction of a percent of the total project cost. This percentage was determined based on previous experience by the local sponsor in implementing their project as part of the Round 1 Implementation grant.

4.5.2 Budget Category (b): Land Purchase/Easement

Land Purchase/Easement: No land acquisition or easements are necessary to implement this project. In this regard, a budget for this task is not presented.

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

The costs associated with Budget Category (c): Planning/Design/Engineering/Environmental Documentation Costs will be supported completely by the requested Grant Funding and the Non-State Cost Share. A breakdown of the project funding, by task, is as follows:

Task 4 – Assessment and Evaluation: Work under this task will include performing on-farm evaluations to evaluate and assess system performance and provide observations and recommendations regarding system management and/or maintenance. It is expected that approximately 200 evaluations will be performed during the two-year program of the Grant. This program has been in place for many years and the local sponsor has established a fixed lump sum to provide this service. A fee of \$1,000 per evaluation is assessed. This lump sum amount is broken up into \$500 per evaluation for use of the Mobile Lab and \$500 per evaluation for labor for the Team Leader, Irrigation Tech and Secretary to conduct the evaluations and prepare the reports. The costs associated with Task 4 will be supported by the requested Grant Funding and the Non-State Cost Share Funding Match.

Task 5 – Design: This task does not apply. In this regard, a budget for this task is not presented.

Task 6 – Environmental Documentation: This task does not apply. In this regard, a budget for this task is not presented.

Task 7 – Permitting: This task does not apply. In this regard, a budget for this task is not presented.

4.5.4 Budget Category (d): Construction/Implementation

Task 8 – Construction Contracting: This task does not apply. In this regard, a budget for this task is not presented.

Task 9 – Construction: This task does not apply. In this regard, a budget for this task is not presented.

4.5.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 10 - Environmental Compliance: This task does not apply. In this regard, a budget for this task is not presented.

4.5.6 Budget Category (f): Construction Administration

Task 11 – Construction Administration: This task does not apply. In this regard, a budget for this task is not presented.

4.5.7 Budget Category (g): Other Costs

No other costs under Category (g)-Other Costs are included since they are not applicable.

4.5.8 Budget Category (h): Construction/Implementation Contingency

A construction/implementation contingency cost was not included for this Project.

4.5.9 Tables

- Table 7 – Project Budget – Project 5 – On-Farm Mobile Lab for Water Use Efficiency in Support of Nutrient Management
- Project 5 - On-Farm Mobile Lab for Water Use Efficiency in Support of Nutrient Management - Project Budget - Summary

Table 7-5: Project Budget
Poso Creek IRWM Implementation Grant, Proposition 84, Round 2
Project 5: On-Farm Mobile Lab for Water Use Efficiency
in Support of Nutrient Management

Project Serves a need of a DAC? No
 Funding Match Waiver request? No

Category	(a)	(b)	(c)		(d)
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Local Sponsor Cost Share	Total Cost
(a) Direct Project Administration					
Task 1 - Administration	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000
Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -		\$ -
Task 3 - Reporting	\$ -	\$ -	\$ -	\$ 4,500	\$ 4,500
(b) Land Purchase/ Easement	\$ -	\$ -	\$ -		\$ -
(c) Planning/Design/Engineering/Environmental Documentation					
Task 4 - Assessment and Evaluation	\$ 100,000	\$ 100,000	\$ -		\$ 200,000
Task 5 - Final Design	\$ -	\$ -	\$ -		\$ -
Task 6 - Environmental Documentation	\$ -	\$ -	\$ -		\$ -
Task 7 - Permitting	\$ -	\$ -	\$ -		
(d) Construction Implementation					
Task 8 - Construction Contracting	\$ -	\$ -	\$ -		\$ -
Task 9 - Construction	\$ -	\$ -	\$ -		\$ -
(e) Environmental Compliance/Mitigation/Enhancement					
Task 10 - Environmental Compliance/Mitigation/Enhancement	\$ -	\$ -	\$ -		\$ -
(f) Construction Administration					
Task 11 - Construction Administration	\$ -	\$ -	\$ -		\$ -
(g) Other Costs	\$ -	\$ -	\$ -		\$ -
(h) Construction/Implementation Contingency	\$ -	\$ -	\$ -		\$ -
(i) Grand Total	\$ 100,000	\$ 100,000	\$ -	\$ 6,500	\$ 206,500

*List sources of funding: *Use as much space as required*

Prop. 84 - Round 2 - Integrated Regional Water Management
Implementation Grant
Project 5 - On-Farm Mobile Lab for Water Use Efficiency in Support of
Nutrient Management
Project Budget - Summary

Task Number/Name	NWKRC D				Total Costs
	Team Leader	Irrigation Tech	Secretary	Direct Costs	
	\$50	\$16	\$25	-	
CATEGORY (a): DIRECT PROJECT ADMINISTRATION					
Task 1 - Project Administration	\$ -	\$ -	\$ -	\$ 2,000	\$2,000
Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -	\$ -	\$0
Task 3 - Reporting	\$ -	\$ -	\$ -	\$ 4,500	\$4,500
Quarterly Reporting					
Project Completion Report					
Post Performance Report					
CATEGORY (b): LAND PURCHASE/EASEMENT					
Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION					
Task 4 - Assessment and Evaluation	\$ 65,000	\$ 25,600	\$ 9,400	\$ 100,000	\$200,000
On-Farm Assessments	1,300	1,600	376	100,000	200,000
Task 5 - Final Design	\$ -	\$ -	\$ -	\$ -	\$0
Task 6 - Environmental Documentation	\$ -	\$ -	\$ -	\$ -	\$0
Task 7 - Permitting	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION					
Task 8 - Construction Contracting	\$ -	\$ -	\$ -	\$ -	\$0
Task 9 - Construction	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT					
Task 10 - Environmental Compliance	\$ -	\$ -	\$ -	\$ -	\$0
CATEGORY (f): CONSTRUCTION ADMINISTRATION					
Task 11 - Construction Administration	\$ -	\$ -	\$ -	\$ -	\$0
Total Costs	\$65,000	\$25,600	\$9,400	\$106,500	\$206,500

Notes:

1. Team Leader costs based on 6.5 hours per evaluation (5 field hours and 1.5 office hours) and 200 evaluations.
2. Irrigation Tech costs based on 8 hours per evaluation (5 field hours and 3 office hours) and 200 evaluations.
3. Secretary costs based on approximately 2 hours per evaluation (0 field hours and ~2 office hours) and 200 evaluations.
4. Direct costs based on 200 evaluations at \$500/evaluation for use of the Mobile Lab.
5. Tasks 1 and 3 - Work under these tasks will be completed by the NWKRC D. In this regard, all costs will be tracked internally. Expenditures will not be used toward the non-state cost share match. These costs are shown in Table 7-5 under the column labeled "Local Sponsor Cost Share".
6. Tasks 2, 5, 6, 7, 8, 9, 10, and 11 - Tasks do not apply. In this regard, a budget is not presented.

4.6 Project 6 – South Shafter Sewer, Planning and Design

The standardized budget for the South Shafter Sewer, Planning and Design Project (Project 6) is presented in this section and is found in Table 7-6 (immediately following this section). As shown, the total Project cost is estimated at \$356,000 with \$350,000 in requested grant funds and \$6,000 in Local Sponsor Cost Share funds. With regards to the Local Sponsor Cost Share, estimated costs were included under this category for work that will be completed by the local sponsor who will track all costs internally. In this regard, expenditures related to this work will not be used towards the Non-State Cost Share Funding Match.

A summary of the estimated project costs is presented in DWR's Table 7-6 – South Shafter Sewer, Planning and Design Project. A detailed budget was prepared (and is included as supporting documentation immediately following this section) which supports the standardized budget. In particular, there is one table (1) Project-Budget Summary by Task and Subtask.

As a generalization, the Project will be staffed by the local sponsor (Kern ESS) with assistance from an engineering consulting firm who will be selected as part of Request for Proposals (RFP) selection process initiated by the local sponsor. This engineering consultant will assist the local sponsor in completing the work outlined in Task 5- Final Design. All other tasks identified as part of the work will be completed by the local sponsor.

An explanation of how the costs were developed is presented herein for each Budget Category.

4.6.1 Budget Category (a): Direct Project Administration Costs

The costs associated with Budget Category (a): Direct Project Administration Budget Category will be supported by Local Sponsor Cost Share. With regards to Local Sponsor Cost Share, this is defined as work completed internally by the local sponsor's staff. It should be noted that for the Budget Category (a): Direct Project Administration Costs (Tasks 1-3), the local sponsor will complete this work with its staff. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: The local sponsor will be responsible for coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The total budget for Task 1 was estimated to be a small fraction of the total project cost. This percentage was determined based on previous experience from implementing the Round 1 Implementation grant. The costs associated with Task 1 will be supported by the local sponsor in the form of Local Sponsor Cost Share.

Task 2 – Labor Compliance Program: This task does not apply. In this regard, a budget for this task is not presented.

Task 3 – Reporting: Work under this task will include preparing and submitting all reports as required under the Grant Agreement. The budget costs were estimated based on the assumption that once a Grant Agreement is in place, the Grant would be implemented during a two-year program. In this regard, it is expected that the local sponsor staff will be preparing and submitting quarterly reports (8 total), a project completion report (1 total), and post-performance reports (10 total – 1 for each of the next 10 years). The costs associated with Task 3 will be supported by the local sponsor in the form of Local Sponsor Cost Share. The total budget for Task 3 was estimated to be a small fraction of a percent of the total project cost. This percentage was determined based on previous experience in implementing a Round 1 Implementation grant.

4.6.2 Budget Category (b): Land Purchase/Easement

Land Purchase/Easement: No land acquisition or easements are necessary for this Project. This task does not apply. In this regard, a budget for this task is not presented.

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

The costs associated with Budget Category (c): Planning/Design/Engineering/Environmental Documentation Costs will be supported completely by the requested Grant Funding. A breakdown of the project funding, by task, is as follows:

Task 4 – Assessment and Evaluation: Work under this task will be accomplished by completing the following subtasks:

- Subtask 4-1 – Update Preliminary Engineering Report
- Subtask 4-2 – Develop Revenue Plan
- Subtask 4-3 – Form County Service Area (CSA) for Purpose of Sewer Maintenance

The local sponsor will retain an engineering consulting firm to assist in completing Subtask 4-1 and the local sponsor’s staff (Kern ESS) will complete the work in Subtasks 4-2 and 4-3. The engineering consultant that was consulted and prepared the grant proposal budgets for this task has prior experience preparing preliminary engineering design reports and the estimated budget for Subtask 4-1 was prepared based on this experience. Also, the Kern ESS staff has experience with forming a CSA and developing a revenue plan and the estimated budgets for Subtask 4-2 and 4-3 were prepared based on this experience. The costs associated with Task 4 will be supported by the requested Grant Funding.

Task 5 – Design: Since an engineering consulting firm has not been identified to complete the final design work, the Kern ESS will solicit proposals from prospective engineering consultants for design/engineering services. In this regard, as part of this task, the Kern ESS will solicit proposals for engineering consulting services and select an engineering consulting

firm to prepare the final design for this project. The costs for completing the final design for this project will not be known until the local sponsor obtains proposals and selects an engineering consulting firm. However, for the grant application, the budget was prepared by an engineering consultant it it was estimated to be approximately 16-percent of the total construction costs (approx. construction costs for project is \$1.8 million). The percentage was determined based on recent experience by the engineering consultant in providing similar design-phase services for a project similar in scope and complexity. The costs associated with Task 5 will be supported by the requested Grant Funding.

Task 6 – Environmental Documentation: In 2008, the Kern ESS prepared and filed a Mitigated Negative Declaration/ NEPA Supplement and Mitigation Monitoring Program for the Project. As part of this task, the Kern ESS will confirm with legal counsel if the existing Mitigated Negative Declaration will satisfy CEQA or if any supplemental information needs to be prepared to comply with the current laws regulating CEQA. The budget was prepared assuming that a supplement to the Mitigated Negative Declaration/ NEPA Supplement and Mitigation Monitoring Program will need to be prepared for this project. The budget was estimated to be approximately 6-percent of the total construction costs. This percentage was determined by the engineering consultant responsible for preparing the cost estimate for the grant application based on recent experience in preparing similar environmental documents. The costs associated with Task 5 will be supported by the requested Grant Funding.

Task 7 – Permitting: This task does not apply. In this regard, a budget for this task is not presented.

4.6.4 Budget Category (d): Construction/Implementation

Task 8 – Construction Contracting: This task does not apply. In this regard, a budget for this task is not presented.

Task 9 – Construction: This task does not apply. In this regard, a budget for this task is not presented.

4.6.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 10 - Environmental Compliance: This task does not apply. In this regard, a budget for this task is not presented.

4.6.6 Budget Category (f): Construction Administration

Task 11 – Construction Administration: This task does not apply. In this regard, a budget for this task is not presented.

4.6.7 Budget Category (g): Other Costs

No other costs under Category (g)-Other Costs are included since they are not applicable.

4.6.8 Budget Category (h): Construction/Implementation Contingency

A construction/implementation contingency cost was not included for this Project.

4.6.9 Tables

- Table 7 – Project Budget – Project 6 – South Shafter Sewer, Planning and Design Project
- Project 6 – South Shafter Sewer, Planning and Design Project - Project Budget-Summary

Table 7-6: Project Budget
Poso Creek IRWM Implementation Grant, Proposition 84, Round 2
Project 6: South Shafter Sewer - Planning and Design

Project Serves a need of a DAC? Yes

Funding Match Waiver request? Yes

Category		(a)	(b)	(c)		(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Local Sponsor Cost Share	Total Cost
(a)	Direct Project Administration					
	Task 1 - Administration	\$ -	\$ -	\$ -	\$ 2,000	\$2,000
	Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -		\$0
	Task 3 - Reporting	\$ -	\$ -	\$ -	\$ 4,000	\$4,000
(b)	Land Purchase/ Easement	\$ -		\$ -	\$ -	\$0
(c)	Planning/Design/Engineering/Environmental Documentation					
	Task 4 - Assessment and Evaluation	\$ 38,000	\$ -	\$ -	\$ -	\$38,000
	Task 5 - Final Design	\$ 300,000	\$ -	\$ -	\$ -	\$300,000
	Task 6 - Environmental Documentation	\$ 12,000	\$ -	\$ -	\$ -	\$12,000
	Task 7 - Permitting	\$ -	\$ -	\$ -	\$ -	\$0
(d)	Construction Implementation					
	Task 8 - Construction Contracting	\$ -	\$ -	\$ -	\$ -	\$0
	Task 9 - Construction	\$ -	\$ -	\$ -	\$ -	\$0
(e)	Environmental Compliance/Mitigation/Enhancement					
	Task 10 - Environmental Compliance/Mitigation/Enhancement	\$ -	\$ -	\$ -	\$ -	\$0
(f)	Construction Administration					
	Task 11 - Construction Administration	\$ -	\$ -	\$ -	\$ -	\$0
(g)	Other Costs	\$ -	\$ -	\$ -	\$ -	\$0
(h)	Construction/Implementation Contingency	\$ -	\$ -	\$ -	\$ -	\$0
(i)	Grand Total	\$ 350,000	\$ -	\$ -	\$ 6,000	\$ 356,000

*List sources of funding: Use as much space as required

Prop. 84 - Round 2 - Integrated Regional Water Management Implementation Grant
 Project 6 - South Shafter Sewer - Planning and Design
 Project Budget- Summary

Task Number/Name	Design Engineering Consultant	Kern ESS	Other Direct Costs	Total Costs	Comments-Direct Costs
CATEGORY (a): DIRECT PROJECT ADMINISTRATION					
Task 1 - Project Administration	\$ -	\$ 2,000	\$ -	\$2,000	
Task 2 - Labor Compliance Program	\$ -	\$ -	\$ -	\$0	
Task 3 - Reporting	\$ -	\$ 4,000	\$ -	\$4,000	
Quarterly Reporting	\$ -	\$ 1,500	\$ -	\$1,500	
Project Completion Report	\$ -	\$ 1,000	\$ -	\$1,000	
Post Performance Report	\$ -	\$ 1,500	\$ -	\$1,500	
CATEGORY (b): LAND PURCHASE/EASEMENT					
Land Purchase/Easement	\$ -	\$ -	\$ -	\$0	
CATEGORY (c): PLANNING/ DESIGN/ ENGINEERING/ ENVIRONMENTAL DOCUMENTATION					
Task 4 - Assessment and Evaluation	\$ -	\$ 38,000	\$ -	\$38,000	
Subtask 4.1 - Update Preliminary Engineering Report	\$ -	\$ 28,000	\$ -	\$28,000	
Subtask 4.2 - Prepare Revenue Plan	\$ -	\$ 5,000	\$ -	\$5,000	
Subtask 4.3 - Form CSA for Purpose of Sewer Maintenance	\$ -	\$ 5,000	\$ -	\$5,000	
Task 5 - Final Design	\$ 300,000	\$ -	\$ -	\$300,000	
Task 6 - Environmental Documentation	\$ -	\$ 12,000	\$ -	\$12,000	
Update CEQA	\$ -	\$ 12,000	\$ -	\$12,000	
Task 7 - Permitting	\$ -	\$ -	\$ -	\$0	
CATEGORY (d): CONSTRUCTION/IMPLEMENTATION					
Task 8 - Construction Contracting	\$ -	\$ -	\$ -	\$0	
Task 9 - Construction	\$ -	\$ -	\$ -	\$0	
CATEGORY (e): ENVIRONMENTAL COMPLIANCE/ MITIGATION/ ENHANCEMENT					
Task 10 - Environmental Compliance	\$ -	\$ -	\$ -	\$0	
CATEGORY (f): CONSTRUCTION ADMINISTRATION					
Task 11 - Construction Administration	\$ -	\$ -	\$ -	\$0	
CATEGORY (g): OTHER COSTS	\$ -	\$ -	\$ -	\$0	
CATEGORY (h): CONSTRUCTION/IMPLEMENTATION CONTINGENCY 10% CONTINGENCY					
Total Costs	\$300,000	\$56,000	\$0	\$356,000	

Notes:

- 1 Tasks 1 and 3 - Work under these tasks will be completed by the Kern ESS Staff. In this regard, all costs will be tracked internally. Expenditures will not be used toward the non-state cost share match. These costs are shown in Table 7-6 under the column labeled "Local Sponsor Cost Share".
- 2 Budgets for Task 1, 2 and 3 (Direct Project Administration) were estimated based on experience with administering the Round 1 Implementation grant for the Poso Creek IRWMP.
- 3 Task 4, Subtask 4.1- Budget was estimated based on recent experience by the Kern ESS staff in preparing a Preliminary Engineering Report for a project that is similar in scope and complexity.
- 4 Task 4, Subtask 4.2 and 4.3- Budget was estimated based on recent experience by the Kern ESS staff in preparing a Revenue Plan and an SCA for a project that is similar in scope and complexity.
- 5 Task 6-Environmental Documentation budget was estimated based on preparation of recent similar environmental documents by the Kern ESS staff.
- 6 Task 5-Final Design budget was estimated to be approximately 16% of the total construction costs (approx. construction costs for project is \$1.8 million). The percentage was determined based on recent experience by the Engineering Consultant in providing similar design-phase services for a project similar in scope and complexity.
- 7 Tasks 2, 7, 8, 9, 10, and 11 - Tasks do not apply. In this regard, a budget is not presented.