

**LAKE DON PEDRO COMMUNITY SERVICES DISTRICT
2015 IRWM Implementation Grant Proposal**

BUDGET

This Attachment provides a discussion of the budget of each project in the proposal as well as the overall Proposal budget. Each individual project budget is broken down by budget category (per Table 8 of the PSP) and is consistent with Attachment 3 Work Plan and Attachment 5 Schedule.

The project budgets were derived using estimates based on previous but similar work, incurred costs, consultant cost estimates, and approximation of staff time. For those projects that meet the definition of a public works construction project, costs assume payment of prevailing wage and include budget for labor compliance activities. The grant applicant, Lake Don Pedro Community Services District (LDPCSD), is the only implementing agency for all proposed projects, and is aware of the responsibilities of data management and performance monitoring; the implementing agency has accordingly budgeted anticipated costs in the operations budgets.

PROPOSAL BUDGET

The Proposal includes the costs for three identified projects and Grant Administration, and the total cost is estimated at \$4,668,068. Because all three proposed projects will serve the needs of DAC, DAC Funding Match Waiver is requested for all three projects. For a portion of the cost of Project 1 (Drought Emergency Groundwater Supply Wells), LDPCSD has secured funding from both Non-State funding (U.S. Department of Agriculture grant and LDPCSD) and Other State funding (DWR Proposition 81 funding) sources as shown in PSP Table 9 below and further described in the project-specific budget table later in this attachment. For Project 2 (Regional Water Use Efficiency Program) and Project 3 (Service Line Replacement), LDPCSD has not identified any other funding source. In total, this Proposal is requesting \$3,762,943 in IRWM Implementation Grant funding.

Proposed costs were reviewed and refined using input from engineers and water resources planners during preparation of this proposal. Costs are reasonable for each project. The summary budget (PSP Table 9) is provided below.

Proposal Budget (PSP Table 9)						
Proposal Name: Lake Don Pedro Community Services District 2015 IRWM Implementation Grant						
Individual Project Title		(a)	(b)	(c)	(d)	(e)
		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match)	Cost Share: Other State Funding Sources	Total Cost	% Funding Match
(a)	Project 1: Drought Emergency Groundwater Supply Wells	\$631,204	\$762,125	\$143,000	\$1,536,329	50%
(b)	Project 2: Regional Water Use Efficiency Program	\$518,820	-	-	\$518,820	0%
(c)	Project 3: Service Line Replacement Project	\$2,404,140	-	-	\$2,404,140	0%
(d)	Grant Administration	\$208,779	-	-	\$208,779	0%
(e)	Proposal Total (= Sum of rows (a) through (d))	\$3,762,943	\$762,125	\$143,000	\$4,668,068	16%
(f)	DAC Funding Match Waiver Total	-	-	-	\$4,668,068	-
(g)	Grand Total	-	-	-	-	-

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PROJECT 1. Drought Emergency Groundwater Supply Wells

Project Budget (PSP Table 8)				
Proposal Name: Lake Don Pedro Community Services District 2015 IRWM Implementation Grant				
Project Title: Drought Emergency Groundwater Supply Wells				
Project serves a need of a DAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Funding Match Waiver request? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	(a)	(b)	(c)	(d)
Budget Category	Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match)	Cost Share: Other State Fund Source	Total Cost
(a) Direct Project Administration	\$30,124	-	-	\$30,124
(b) Land Purchase/Easement	-	\$301,725	-	\$301,725
(c) Planning/Design/Engineering/Environmental Documentation	\$51,000	\$119,400	\$93,000	\$263,400
(d) Construction/Implementation	\$550,080	\$341,000	\$50,000	\$941,080
(e) Grand Total, (a) through (d)	\$631,204	\$762,125	\$143,000	\$1,536,329

Sources of Cost Share:

1. Column (b), Non-State Fund Source = LDPCSD reserve (for land purchase) and U.S. Department of Agriculture Grant
2. Column (c), Other State Fund Source = DWR Proposition 81 Grant

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BUDGET CATEGORY (A): DIRECT PROJECT ADMINISTRATION

As shown in the table below, costs for Tasks 1 (Project Management), 2 (Labor Compliance) and 3 (Reporting) are calculated as percentages based on prior experience. Work will be conducted by LDPCSD staff and consultants as appropriate.

Task	Cost
Task 1: Project Management (1% of the project cost)	\$15,062
Task 2: Labor Compliance (0.5% of the project cost)	\$7,531
Task 3: Reporting (0.5% of the project cost)	\$7,531
Total Cost Budget Category (a)	\$30,124

BUDGET CATEGORY (B): LAND PURCHASE/EASEMENT

Task 4 costs include the costs of land purchase and easements, and will be completely supported by the funding match.

Land Purchase: For one of the two proposed wells, a candidate location has been selected, and LDPCSD has already purchased this 17-acre property using LDPCSD funds in June 2015 at the purchase price shown below. A portion of the land is being used for a well currently under construction, in addition to one of the wells included in this proposal.

Easement: In addition, depending on final well locations and pipe connections, easements of up to approximately 5,625 square feet (SF) may be necessary. The easement cost was estimated based on \$7 per square foot of easement based on prior experience for public utility easement acquisition in Mariposa County.

Task	Cost
Task 4: Land Purchase/Easement	
Land Purchase (Actual cost)	\$262,350
Easement (5,625 SF @ \$7/SF)	\$39,375
Total Cost Budget Category (b)	\$301,725

BUDGET CATEGORY (C): PLANNING/DESIGN/ENGINEERING/ENVIRONMENTAL DOCUMENTATION

For Task 6, CEQA Documentation, LDPCSD has already filed a CEQA Notice of Exemption for installation of the pilot wells that have been drilled to date and also conducted biological and cultural resources surveys at those locations as due diligence. Once the locations of the additional pilot wells are determined, LDPCSD will prepare additional CEQA Notice of Exemption. If the additional locations are outside of the geographic scope of the previously-conducted biological and cultural resources surveys, then additional surveys may also be needed. Related costs are based on the consultant fees for the biological and cultural resources surveys.

Feasibility studies (Task 5) costs include evaluation of candidate well locations, pre-design engineering, and installing pilot wells (test hole drilling, sampling, logging, testing), and project management. Permitting (Task 7) includes a well permit and Water Supply Permit Amendment. The Design (Task 8) costs (the development of plans, specifications and estimates) are based on the engineering consultant's estimates. The Project Performance Monitoring Plan (Task 9) cost is based on the cost of securing the services of an engineering consultant to prepare the plan. These cost estimates were provided by the engineering consultant. The proportion of Task 5 (feasibility studies) cost to the overall project cost is higher than a typical project since the drilling of pilot wells has been included under this task, since pilot well drilling is necessary to determine the well locations and the well design parameters. Given the hydrogeological conditions of the area (fractured rock formations), it is likely that multiple test holes will be required at different sites to locate sufficient water supply, and up to 8 test holes are included in the cost estimate.

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Tasks 5, 6 and 7 will be completely supported by the funding match.

Task	Cost
Task 5. Feasibility Studies	\$124,400
Project Evaluations and Pre-Design Engineering (@\$150/hr x400 hrs)	\$60,000
Test Hole Drilling, Sampling, Logging, Testing (assume 8 Test Holes)	\$44,000
Project Management (@150/hr x 136 hrs)	\$20,400
Task 6. CEQA Documentation	\$25,000
Consultant fees to conduct biological resources and cultural resources surveys at up to two well sites, based on the costs of studies conducted for previous well installations	\$25,000
Task 7. Permitting	\$3,000
@\$150/hr x 20 hrs, based on costs of obtaining permits for wells LDPCSD already installed	\$3,000
Task 8. Design	\$105,000
Plans, Specifications, and Estimates (PS&E), @\$150/hr x 700 hrs	\$105,000
Task 9. Project Performance Monitoring Plan	\$6,000
@\$150/hr x 40 hrs, based on consultant's estimate	\$6,000
Total Cost Budget Category (c)	\$263,400

BUDGET CATEGORY (D): CONSTRUCTION/IMPLEMENTATION

Contract Services (Task 10) and Construction Administration (Task 11) costs are based the engineering consultant's estimate. Construction Activities (Task 12) cost are based on the engineering consultant's construction cost estimate, and were derived using estimates based on previous similar work, incurred costs, consultant cost estimates, and approximation of staff time. For portions of the project that meet the definition of a public works construction project, costs assume payment of prevailing wage.

Task	Cost
Task 10. Contract Services (@\$125/hr x 120 hrs)	\$15,000
Task 11. Construction Administration (15% of construction costs)	\$120,000
Task 12. Construction/Implementation (Based on Engineer's Estimate, includes 12% contingency)	\$806,080
Total Cost Budget Category (d)	\$941,080

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PROJECT 2. Regional Water Use Efficiency Program

Project Budget (PSP Table 8)					
Proposal Name: Lake Don Pedro Community Services District 2015 IRWM Implementation Grant					
Project Title: Regional Water Use Efficiency Program					
Project serves a need of a DAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Funding Match Waiver request? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
		(a)	(b)	(c)	(d)
Budget Category		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match)	Cost Share: Other State Fund Source	Total Cost
(a)	Direct Project Administration	\$7,668	-	-	\$7,668
(b)	Land Purchase/Easement	-	-	-	-
(c)	Planning/Design/Engineering/Environmental Documentation	\$2,640	-	-	\$2,640
(d)	Construction/Implementation	\$508,512	-	-	\$508,512
(e)	Grand Total, (a) through (d)	\$518,820	-	-	\$518,820

Sources of Cost Share: None

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BUDGET CATEGORY (A): DIRECT PROJECT ADMINISTRATION

As shown in the table below, costs for Tasks 1 (Project Management) and 3 (Reporting) are estimated as percentage of total project cost as shown below. Task 2 (Labor Compliance) is not applicable to this project as it does not involve any “public works” construction elements that would require the payment of prevailing wages.

Task	Cost	Notes
Task 1: Project Management	\$5,112	1% of total project cost
Task 3: Reporting	\$2,556	0.5% of total project cost
Total Cost Budget Category (a)	\$7,668	

BUDGET CATEGORY (B): LAND PURCHASE/EASEMENT

Task 4 (Land Purchase) is not applicable to this project.

BUDGET CATEGORY (C): PLANNING/DESIGN/ENGINEERING/ENVIRONMENTAL DOCUMENTATION

The CEQA documentation (Task 6) is anticipated to be a Notice of Exemption. Design costs (Task 8) are based on staff time to finalize the program design details, including the Program Terms and Conditions. The Project Performance Monitoring Plan (Task 9) cost is also based on staff time to prepare the monitoring plan.

The program elements included in the proposed project have been demonstrated to be feasible and effective in similar regions. Therefore, no separate feasibility study (Task 5) will be required. No permits (Task 7) will be required to implement this project.

Task	Cost	Notes
Task 6. CEQA Documentation	\$400	Staff time and filing fees, etc
Task 8. Design	\$1,400	\$35/hr x 40 hrs staff time
Task 9. Project Performance Monitoring Plan	\$840	\$35/hr x 24 hrs staff time
Total Cost Budget Category (c)	\$2,640	

BUDGET CATEGORY (D): CONSTRUCTION/IMPLEMENTATION

Contract services (Task 10) costs are based on LDPCSD staff time to conduct contracting. Program Administration (Task 11) costs are based on securing a full-time program coordinator for 2 years, plus other administrative costs such as office equipment and supplies, and costs of purchasing program-related equipment (e.g., sample equipment for greywater reuse for demonstration purposes, leak test equipment). The cost breakdown for Implementation Activities (Task 12) is shown below in a separate table and is based on the preliminary design of the proposed project.

Task	Cost	Notes
Task 10. Contract Services	\$720	\$18*40 hrs staff time
Task 11. Program Administration	\$80,020	
Program Coordinator	\$69,120	\$18/hr at 40 hr/wk, 48 wks/yr x 2 yrs
Technician Equipment	\$4,000	Sample greywater reuse systems for demonstration purposes; leak detectors
Office Equipment	\$2,100	Computer and Printer
Postage and Office Supplies	\$4,800	\$200/month, 24 mos
Task 12. Implementation Activities	\$427,772	See table below
Total Cost Budget Category (d)	\$508,512	

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Program Element	Implementation Activity (Task 12)	Cost	Notes
Education & Outreach	Webpage	\$7,000	Hosting and maintenance cost
	Phone hotline	\$1,680	\$70 per month, 24 months
	Outreach Events	\$12,000	\$1500 per event, 4 events per year x 2 yrs
	Water Conservation Workshops	\$14,400	\$1800 per workshop, 4 workshops per year x 2 yrs
	Marketing materials	\$16,000	Design, Print production, distribution, kit stickers and packaging. Program brochures, hotel cards and counter-cards, workshop manuals
	Advertising	\$5,000	
House Call Program	Water Kits	\$22,500	\$15/kit, 1500 kits
	Incentive for DIY full implementation of Water Kit	\$10,000	\$50 incentive, 200 units
	House Call Program contractors	\$110,592	\$18 per hour; 32 hrs/wk; 48 wk/yr x 2 years, 2 contractors
	Travel reimbursements for House Call Program contractors	\$33,120	\$0.575/mile, 75 miles/day per contractor, 4 days/wk, 48 weeks per year, 2 years
	Cell phone reimbursements for House Call Program contractors	\$480	\$10/month, 2 contractors for 24 months
Technical Assistance & Incentive Program	Technical assistance contractors	\$15,000	Contractors fees based on preliminary quotes
	Irrigation upgrade and landscaping modification incentive	\$50,000	\$500 maximum per property, 100 properties
	Rebate for Greywater/Rainwater-to-irrigation Installation	\$100,000	\$500 rebate, 200 units
	Rebate for High Efficiency Toilet	\$30,000	\$75 rebate, 400 units
Subtotal for Task 12		\$427,772	

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PROJECT 3. Service Line Replacement Project

Project Budget (PSP Table 8)					
Proposal Name: Lake Don Pedro Community Services District 2015 IRWM Implementation Grant					
Project Title: Service Line Replacement Project					
Project serves a need of a DAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Funding Match Waiver request? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Budget 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	\$47,140	-	-	\$47,140
(b)	Land Purchase/Easement	-	-	-	-
(c)	Planning/Design/Engineering/Environmental Documentation	\$83,000	-	-	\$83,000
(d)	Construction/Implementation	\$2,274,000	-	-	\$2,274,000
(e)	Grand Total, (a) through (d)	\$2,404,140	-	-	\$2,404,140

Sources of Cost Share: None

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BUDGET CATEGORY (A): DIRECT PROJECT ADMINISTRATION

Costs for Tasks 1 (Project Management), 2 (Labor Compliance) and 3 (Reporting) were calculated as percentages based on prior experience. Work will be conducted by LDPCSD staff and consultants as appropriate.

Task	Cost
Task 1: Project Management (1% of the project cost)	\$23,570
Task 2: Labor Compliance (0.5% of the project cost)	\$11,785
Task 3: Reporting (0.5% of the project cost)	\$11,785
Total Cost Budget Category (a)	\$47,140

BUDGET CATEGORY (B): LAND PURCHASE/EASEMENT

Task 4 (Land Purchase) is not applicable to this project.

BUDGET CATEGORY (C): PLANNING/DESIGN/ENGINEERING/ENVIRONMENTAL DOCUMENTATION

The planning phase (Task 5) will involve identifying and documenting the specific locations/parcel numbers where service lines will be replaced, and establishing the detailed construction phasing schedule. The CEQA documentation (Task 6) is anticipated to be a Notice of Exemption. Permitting (Task 7) includes obtaining county encroachment permits from both Mariposa and Tuolumne Counties. The design (Task 8) of the project will include identifying and documenting the pavement details and depth to pipe for each replacement location, and developing a work description to be included in the bid package. Project Performance Monitoring Plan (Task 9) will be prepared by a consultant. The cost estimates shown below for these tasks are based on the engineering consultant's estimate for consultant fees to prepare the related documents and complete these tasks.

Task	Cost
Task 5. Feasibility Studies (\$125/hr x 160 hrs)	\$20,000
Task 6. CEQA Documentation (\$125/hr x 40 hrs)	\$5,000
Task 7. Permitting (\$125/hr x 40 hrs)	\$5,000
Task 8. Design (\$125/hr x 400 hrs)	\$50,000
Task 9. Project Performance Monitoring Plan (\$125/hr x 24 hrs)	\$3,000
Total Cost Budget Category (c)	\$83,000

BUDGET CATEGORY (D): CONSTRUCTION/IMPLEMENTATION

Contract Services (Task 10) cost estimate is based on the engineering consultant's estimate to provide the services. Construction Administration (Task 11) cost estimate is 8% of the construction cost, based the engineering consultant's experience with previous similar projects. Construction Activities (Task 12) costs are based on the engineering consultant's estimate, and is based on 1,400 segments of service lines replaced at \$1,500 per segment.

Task	Cost
Task 10. Contract Services (@\$150 x 40 hrs)	\$6,000
Task 11. Construction Administration (8% of construction cost)	\$168,000
Task 12. Construction/Implementation (\$1,400/segment x 1,500 pipe segments to be replaced)	\$2,100,000
Total Cost Budget Category (d)	\$2,274,000

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GRANT ADMINISTRATION

Project Budget (PSP Table 8)					
Proposal Name: Lake Don Pedro Community Services District 2015 IRWM Implementation Grant					
Project Title: GRANT ADMINISTRATION					
Project serves a need of a DAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Funding Match Waiver request? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
	Budget Category	(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source (Funding Match)	(c) Cost Share: Other State Fund Source	(d) Total Cost
(a)	Direct Project Administration	\$208,779	-	-	\$208,779
(b)	Land Purchase/Easement	-	-	-	-
(c)	Planning/Design/Engineering/Environmental Documentation	-	-	-	-
(d)	Construction/Implementation	-	-	-	-
(e)	Grand Total, (a) through (d)	\$208,779	-	-	\$208,779

Sources of Cost Share: None

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BUDGET CATEGORY (A): DIRECT PROJECT ADMINISTRATION

All work for grant administration will occur in Budget Category (a). Costs for grant agreement administration, invoicing, and reporting are all based on estimates from a grant administration consultant. Grant application preparation cost is based on the contract with the consultant preparing the 2015 IRWM Implementation Proposal on behalf of the LDPCSD.

Task	Cost
Task 1: Agreement Administration	
Consultant Estimate Based on Proposition 84 Rounds 1 and 2	\$61,538
Grant Application Preparation	\$75,000
Task 2: Invoicing	
Consultant Estimate Based on Proposition 84 Rounds 1 and 2	\$64,214
Task 3: Reporting	
Consultant Estimate Based on Proposition 84 Rounds 1 and 2	\$8,027
Total Cost Budget Category (a)	\$208,779