

Attachment 4. Budget

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Acronyms

AFY	acre-feet per year
AVA	American Viticulture Area
Basin Plan	Water Quality Control Plan for the Central Coastal Basin
BMP	Best Management Practices
CBSM	Community Based Social Marketing
CCWA	Central Coast Water Authority
CDPH	California Department of Public Health
CEQA	California Environmental Quality Act
cfs	cubic feet per second
CIP	Capital Improvement Projects
CN	Composite Runoff Curve Number
Conservation Districts	Coastal San Luis and Upper Salinas Las Tablas Resource Conservation Districts
County	San Luis Obispo County, County of San Luis Obispo
CSA 16	County Service Area No. 16
CSD	Community Services District
CWC	California Water Code
DACs	Disadvantaged Communities
Delta	California Bay-Delta
District	San Luis Obispo County Flood Control and Water Conservation District
DPHS	Department of Public Health and Safety
DWR	California Department of Water Resources
EIR	Environmental Impact Report
GIS	Geographic Information Systems
GPCD	gallons per capita per day
GPD	gallons per day
GPM	gallons per minute
GWMP	Groundwater Management Plan
IRWM	Integrated Regional Water Management
IRWMP	Integrated Regional Water Management Plan
IRWMP, IRWM Plan	San Luis Obispo County Integrated Regional Water Management Plan
LRM	Load Reduction Modeling
MGD	million gallons per day
MHI	median household income
MOU	Memorandum of Understanding
NPDES	National Pollutant Discharge Elimination System
NRCS	National Resource Conservation Service
Paso Basin	Paso Robles Groundwater Basin
ppm	parts per million
PRGBMP	Paso Robles Groundwater Basin Management Plan

Acronyms, Continued

Proposal, SLO Proposal	San Luis Obispo Regional Integrated Water Management Proposal
PVC	polyvinyl chloride
RCD	Resource Conservation District
Region	San Luis Obispo County IRWM Region
Regional Agency	San Luis Obispo County Flood Control and Water Conservation District
RMS	Resource Management Strategies
RWMG	Regional Water Management Group
RWQCB	Central Coast Regional Water Quality Control Board
SEP	Supplemental Environmental Project
SMCSD	San Miguel Community Services District
SSCSD	San Simeon Community Services District
STAC	Stakeholder and Technical Advisory Committee
SWP	State Water Project
SWP	Statewide Priorities (only in Attachment 9)
SWRCB	State Water Resources Control Board
TDS	Total Dissolved Solids
TMDL	Total Maximum Daily Loads
UCCE	U.C. Cooperative Extension
USFWS	U.S. Fish and Wildlife Service
WRAC	Water Resources Advisory Committee
WTP	Water Treatment Plant
WWTP	Wastewater Treatment Plant

Chapter 1. INTRODUCTION

Attachment 4 presents the budget for the San Luis Obispo Regional Integrated Water Management Proposal (Proposal), including six projects and one grant administration project. The San Luis Obispo County IRWM Region (Region) considered the most critical water resources management issues in the area and those projects (or studies, in the case of disadvantaged communities) that could help to address those most readily. From this evaluation emerged an understanding of the need for several critical water resources management actions:

- Stabilize the rapidly declining level in Paso Robles Groundwater Basin;
- Protect and enhance vital ecosystem resources; and
- Address critical water supply and quality needs of disadvantaged communities.

All six projects are considered high priority in terms of addressing the Region’s critical water resources issues. As Attachment 3 describes in detail, these projects do not simply address individual, unrelated needs – each project integrates into helping to achieve the actions listed above. In order to implement these projects, the Region is seeking grant funding for \$7,569,000 of total Proposal cost of \$22,498,130 (see **Table 1-1**). The Project Proponents have identified \$10,509,369 in non-State fund sources, contributing to nearly 50% of the Proposal cost and meeting Funding Match requirements. The Proposal surpasses the minimum funding match requirement (25%).

The six projects, along with the project necessary to administer this grant if awarded, are:

1. City of Paso Robles Nacimiento Water Treatment Plant
2. Attiyeh Ranch Conservation Easement
3. Livestock & Land Program
4. Shandon State Water Turnout
5. San Miguel Community Services District Critical Water System Improvements (DAC)
6. San Simeon Supplemental Water Feasibility Study and Design Project (DAC)
7. IRWM Implementation Grant Administration

1.1 PROPOSAL SUMMARY BUDGET (DWR “TABLE 8”)

The Department of Water Resources’ (DWR) requires each project to present a project budget (“Table 7 – Project Budget”). Each project budget and associated discussion is reasonable and is consistent with its respective Work Plan (Attachment 3) and Schedule (Attachment 5). The discussions include detailed documentation and/or explanation supporting the costs presented.

DWR “Table 8 - Summary Budget” presents a summary budget for the Proposal. Note that while two projects directly benefit disadvantaged communities, the Proposal will not seek Funding Match Waivers. The other five projects (including grant administration) adequately cover the Proposal’s required Funding Match (25%).

Table 1-1. Summary Budget (DWR "Table 8")

Table 8 - Summary Budget						
Proposal Title: San Luis Obispo Regional Integrated Water Management Proposal						
		(a)	(b)	(c)	(d)	(e)
Individual Project Title		Requested Cost Amount (Grant Amount)	Cost Share: Non-State Fund Source (Funding Match)	Cost Share: Other State Fund Source	Total Cost	% Funding Match [col(b)/col(d)]
(a)	City of Paso Robles Lake Nacimiento Water Treatment Plant	\$3,150,000	\$8,174,306	\$0	\$11,324,306	72%
(b)	Attiyeh Ranch Conservation Easement Project	\$2,100,000	\$1,997,629	\$4,374,761	\$8,472,390	24%
(c)	Livestock & Land Program - Implement BMPs	\$274,984	\$42,800	\$0	\$317,784	13%
(d)	Shandon State Water Turnout	\$337,000	\$133,000	\$45,000	\$515,000	26%
(e)	San Miguel Community Services District Water System Improvements	\$950,000	\$0	\$0	\$950,000	0%
(f)	San Simeon Supplemental Water Feasibility Study and Design Project	\$700,000	\$0	\$0	\$700,000	0%
(g)	IRWM Implementation Grant Administration	\$57,016	161634	\$0	\$218,650	74%
(h)	Proposal Total [sum (a) through (h)]	\$7,569,000	\$10,509,369	\$4,419,761	\$22,498,130	47%
(i)	DAC Funding Match Waiver Total [sum column (d) only for project seeking DAC funding match waiver in rows (a) through (g)]	\$0	\$0	\$0	\$0	
(j)	Grant Total [subtract row (j) from row (i) and recalculate column (e) - Funding Match %]	\$7,569,000	\$10,509,369	\$4,419,761	\$22,498,130	47%

Chapter 2. PROJECT BUDGETS

This chapter provides a detailed budget discussion including hourly wage paid by discipline; number of hours to be expended for administration; and costs shown for equipment or supplies to implement each of the six (6) projects. The purpose for this discussion is to compare the level of effort with project work plan to ensure the appropriate amount of funding is provided to support the level of effort stated in the work plan. To make this comparison, Attachment 4 – Budget is organized to reflect the tasks described in the detailed project work plans (Attachment 3) and project schedules (Attachment 5) briefly described as follows:

- **Project Administration (Task 1) - Budget Category (a):** Keeping the project scope, budget and schedule on track, and communicating project progress with sponsoring agencies, stakeholders, and the various organizations involved with project delivery.
- **Labor Compliance Program (Task 2):** Working to comply and demonstrate compliance with state labor laws.
- **Reporting (Task 3):** Submitting quarterly project reports to the District that describe the progress and accomplishments for the quarter and is in accordance with the Project Performance Monitoring Plan.
- **Project Performance Monitoring Plan (PPMP) (Task 4):** Creating a PPMP which outlines how the project performance will be assessed and evaluated, and the specific activities in collecting and storing data.
- **Land Purchase / Easement (Task 5) - Budget Category (b):** Purchasing of needed lands for project implementation.
- **Assessment and Evaluation (Task 6) - Budget Category (c) Final Design (Task 7):** Providing the necessary engineering, science, environmental and design studies and reports for going to bid with the project.
- **Environmental Documentation (Task 8):** Preparing and certifying the necessary environmental documentation for compliance with CEQA.
- **Permitting (Task 9):** Obtaining the necessary local, state and federal permits based on the individual regulatory roles of affected agencies.
- **Construction Contracting (Task 10) - Budget Category (d):** Negotiating and preparing a construction contract for execution of the implementation project.
- **Construction (Task 11):** Constructing the project.

- **Environmental Compliance/ Mitigation/ Enhancement (Task 12):** Executing environmental mitigation and enhancement measures including construction, monitoring, and reporting.
- **Construction Administration (Task 13):** Providing construction oversight, project monitoring and labor compliance.

Project 1. City of Paso Robles Lake Nacimiento Water Treatment Plant

The project budget estimates provided here are based on the project cost estimates provided in the project feasibility study document: City of Paso Robles 2.0 MGD Nacimiento WTP Feasibility Study prepared in August, 2011 by the project design engineer, AECOM Engineers. Project cost estimates provided by AECOM in this document have been adjusted to 2013/14 dollars which corresponds to the estimated start date of construction.

The following sections provide additional detail about the categories identified in **Table 2-2**.

1.0 Budget Category (a): Direct Project Administration

Direct project administration costs in Budget Category (a) that occur prior to project construction are not a part of the requested grant funding and are submitted for consideration as matching funds. Administration costs during construction and associated with reporting and the Project Performance Monitoring Plan are not included in the request for grant funding. Administrative costs are included within the other budget categories as part of the staff time required to complete the designated work.

Task 1. Administration

No project administration costs for the City of Paso Robles Project (i.e. Paso Robles staff costs) are included in the grant request.

Task 2. Labor Compliance Program

The labor compliance program is administered by the Construction Manager for the City of Paso Robles. The Construction Manager reviews contractor's payroll submittals for labor compliance with the State labor code. Costs for the Labor Compliance Program are included in the cost estimate for Construction Management in Task 13.1, Construction Administration. No additional/separate expenditures are anticipated under Task 1 and no grant funding is requested for this Task.

Task 3. Reporting

This task includes creation of a) quarterly project reports to be provided to the County that describes the progress and accomplishments for the quarter; b) the Final Project Completion Report; and c) the Post Completion Reports to be submitted annually for ten years of the project's operational life. The estimated cost to prepare the reports is \$12,500 and includes 100 hours at a staff rate of \$125 per hour.

Task 4: Project Performance Monitoring Plan (PPMP)

The PPMP will be prepared at the initiation of implementation of the Paso Robles Lake Nacimiento Water Treatment Plant project to outline how the project performance will be assessed and evaluated as summarized in Attachment 6. The PPMP will address measurement of the project's goals of adding a new water supply, reducing groundwater pumping from the Paso Robles Groundwater Basin and reducing energy consumption. The estimated cost to prepare the PPMP is \$3,000 and includes 24 hours at a staff rate of \$125 per hour.

Grant funding is being requested for this Task.

1.1 Budget Category (b): Land Purchase / Easement

The water treatment plant will be constructed on a 21-acre site owned by the City of Paso Robles for many years (see site map). The plant site has operated as a well field since 1975 and has four Salinas River underflow wells in place. The Paso Robles Nacimiento Water Project water delivery turnout is also located on the plant site. No land acquisitions are needed to complete the project.

A water line crossing agreement (easement) with the Union Pacific Railroad will be acquired prior to construction for a treated water main that will be constructed as part of the project.

No land or easement acquisition costs are included in the project cost funding match. Grant funding is not being requested for this task.

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

Planning, environmental documentation, and 30% design plans & specifications are complete as described in the Completed Work section of Attachment 3. These costs are included in the Final Design (Task 7) and are included as a Cost Share: Funding Match for the project.

Grant funding is not being requested for this task.

Task 6. Assessment and Evaluation

Included in this Task is the cost of the City of Paso Robles 2.0 MGD Nacimiento WTP Feasibility Study¹ (conceptual design) of \$10,268. Grant funding is not being requested for this task.

Task 7. Final Design

This Task includes work to bring the project conceptual 30% design work, completed as part of the project feasibility report, to 100% design. As of the date of grant application submittal (March 29, 2013) 60% design plans and specifications have been completed. The total not-to-

¹ AECOM. "City of Paso Robles 2.0-MGD Nacimiento WTP Feasibility Study." 2011.

exceed cost of the final design contract with AECOM is \$919,588.00. The City of Paso Robles has Capital Improvement Program project funds budgeted to complete the project plans, specifications and cost estimates.

Grant Funding is not being requested for this task.

Task 8. Environmental Documentation

The environmental documentation, in the form of a Mitigated Negative Declaration, has been completed and approved by the City of Paso Robles (Lead Agency) for this project.

Grant funding is not being requested for this task.

Task 9. Permitting

The City of Paso Robles will issue a Conditional Use Permit (if necessary), and grading/building permits for the project prior to construction. No additional environmental permits are required to implement the project because the 2.4 mgd capacity treatment plant project will not require the construction of a new water line crossing of the Salinas River corridor, or additional back-up electrical generators.

Costs associated with the project building permitting process are included in the final design contract costs discussed below.

Grant funding is not being requested for this task.

1.3 Budget Category (d): Construction/ Implementation

Task 10. Construction Contracting

This task includes the work to prepare bid packages for distribution to interested bidders, advertise the project, conduct a pre-bid meeting, review, prepare and respond to bidder's requests for information, evaluate bids and award the construction contract for the project. This task will be completed using City of Paso Robles Public Works staff.

Grant funding is being requested for this task.

Task 11. Construction

After bidding and award of the project, the City of Paso Robles will construct the Paso Robles Lake Nacimiento Water Treatment Plant project. At the 30% design phase, the Engineer's Opinion of Probable Construction Cost provided by AECOM is \$8,220,000. This is based on a detailed breakdown of construction contract related costs.

Grant funding is being requested for this task.

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

There are no known required environmental mitigation (i.e. revegetation after construction). All work will be done within the existing City of Paso Robles water treatment plant/well-field property, City of Paso Robles road right-of-way, or Union Pacific Railroad right-of-way. Environment compliance/mitigation costs are included in the estimated project construction contract costs.

Grant funding is being requested for this task under Budget Category (d), Task 11.

1.5 Budget Category (f): Construction Administration

Construction Management will occur in varying levels and degrees for the duration of the construction period. The City Engineer will be responsible for development, negotiation and securing all contracts, including construction contractors and managers.

Grant funding is not being requested for this task. Costs associated with this task are noted as Cost Share: Non-State Funding Source (Funding Match).

Task 13.1. Construction Management

The estimated cost of the Construction Management services contract for the project is \$530,450. This amount is based on the Engineer's Initial Project Cost estimate of \$500,000 provided in the Project Feasibility Study Report by AECOM in 2011, adjusted 3% per year to FY 2013/14. Construction Management costs are based on a 12-month construction period, assuming one full time Construction Management Engineer and one full time Administrative Assistant.

No grant funding is being requested for this task.

Task 13.2. Engineering Services During Construction (ESDC)

All engineering services during construction are included in the Construction Management services contract costs described above.

No grant funding is being requested for this task.

1.6 Budget Category (g): Other Costs

Legal services costs are limited to contract negotiation and review provided by the City of Paso Robles' City Attorney. No staff time for legal costs for the City of Paso Robles project is included in this grant request.

Grant funding is not being requested for this task.

1.7 Budget Category (h): Construction/ Implementation Contingency

To account for unforeseen conditions during construction, a construction contingency has been included within the cost of the project. In accordance with the City of Paso Robles Public Works Project Management Manual, the Contingency is estimated to be approximately 20% of the capital construction costs provided at the 30% design stage. Therefore, a contingency of \$1,644,000 has been included based upon the Engineer's total estimated cost of construction of \$8,220,000.

Grant funding is not being requested for this task.

San Luis Obispo Regional Integrated Water Management Proposal
Attachment 4 – Budget
City of Paso Robles Lake Nacimiento Water Treatment Plant

Table 2-2. Project Budget for the Paso Robles Lake Nacimiento Water Treatment Plant Project

Proposal Title: San Luis Obispo Regional Integrated Water Management Proposal					
Project Title: City of Paso Robles Lake Nacimiento Water Treatment Plant					
Project serves a need of a DAC?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Funding Match Waiver Request?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
		(a)	(b)	(c)	(d)
	Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source**	Total Project Cost
(a)	Direct Project Administration	\$15,500	\$0	\$0	\$15,500
(b)	Land Purchase/ Easement	\$0	\$0	\$0	\$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$0	\$929,856	\$0	\$929,856
(d)	Construction/ Implementation	\$3,134,500	\$5,070,000	\$0	\$8,204,500
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$0	\$0	\$0	\$0
(f)	Construction Administration	\$	\$530,450	\$0	\$530,450
(g)	Other Costs	\$0	\$0	\$0	\$0
(h)	Construction/ Implementation Contingency	\$0	\$1,644,000	\$0	\$1,644,000
(i)	Grand Total (sum rows (a) through (h) for each column)	\$3,150,000	\$8,174,306	\$0	\$11,324,306
*List sources of funding (for Non-State Share and Other State Fund Share): City of Paso Robles water rate schedule.					
*The source of the Non-State share (Funding Match) is secured by the City of Paso Robles water rate schedule as approved by the City Council on April 5, 2011 to fund the construction and operation of the water treatment plant project.					

Project 2. Attiyeh Ranch Conservation Easement

Table 2-3 contains the budget for the Attiyeh Project. Non-state matching funds are from landowner contributions. Other project funds are anticipated from various sources currently being developed including the California Department of Fish and Wildlife’s Wildlife Conservation Board (State), the Department of Defense (Federal), The Wyss Foundation (Non-profit private organization), and The Nature Conservancy (Non-profit private organization). **Table 2-3** contains the project budget by Work Plan tasks.

The following sections provide additional detail about the categories identified in **Table 2-3**.

2.0 Budget Category (a): Direct Project Administration

The Direct Project Administration budget category includes \$112, 115 of estimated project costs to complete Tasks 1, 2, 3, and 4 for the Attiyeh Project. No grant funding is requested for this budget category. All costs in this budget category are submitted for consideration as cost share (non-matching).

Task 1. Administration

Proposed work in this task involves the daily management of the Attiyeh Project. The Land Conservancy’s Conservation Project Manager, Conservation Director, and Executive Director will be involved in various project administration tasks, including Grant Invoicing. Work under this task will begin in October 2013 and will be completed in August, 2014.

It is anticipated that proposed work under Task 1 Administration will require approximately 12-16 hours per month of The Land Conservancy’s Conservation Project Manager, Conservation Director, or Executive Director for the 10 month duration of the project, at a staff rate of \$45-60 per hour. The estimated cost for the proposed work in this task is \$7,340.

Project administration costs in Task 1 are not a part of the requested grant funding and are submitted for consideration as cost share (non-matching).

Task 2. Labor Compliance Program

The Attiyeh Project does not require a Labor Compliance Program. This task involves the submittal of a letter documenting that. Proposed work to develop this letter will require three (3) hours of The Land Conservancy’s Conservation Director or Conservation Project Manager at a staff rate of \$45-50 per hour. The estimated cost for the proposed work in Task 2 is \$140,

Costs associated with Task 2 are not a part of the requested grant funding and are submitted for consideration as cost share (non-matching).

Task 3. Reporting

Costs associated with Task 3 Reporting includes all expenses to support the IRWM Implementation Grant administration which includes Tribal Notification; quarterly project reporting; and the Final Project Completion Report. Costs for Post Completion Reports, to be submitted annually for ten years of the project's operational life, are not included because they will be paid for by a stewardship endowment managed by the The Land Conservancy (described in further detail under the budget description for Task 4.1).

The total estimated cost for Task 3 is \$11,005 and includes 180 to 245 hours of The Land Conservancy's Conservation Project Manager, Conservation Director, or Executive Director, at a staff rate of \$45-60 per hour.

Costs associated with Task 3 are not a part of the requested grant funding and are submitted for consideration as cost share (non-matching).

Task 4.1: Project Performance Monitoring Plan (PPMP)

The PPMP will be prepared at the initiation of implementation to outline how the project performance will be assessed and evaluated as summarized in Attachment 6. The estimated cost to prepare the PPMP is \$380 and includes 8 hours of The Land Conservancy's Conservation Project Manager, Conservation Director, or Executive Director, at a staff rate of \$45-60 per hour.

Costs associated with development of the PPMP are not a part of the requested grant funding and are submitted for consideration as cost share (non-matching).

Task 4.2: Monitoring Activities

The monitoring activities associated with the Attiyeh Project and as described in the work plan in Section 3 were determined to be \$2,794 using The Land Conservancy's Conservation Easement Annual Stewardship Cost spreadsheet, **Exhibit 4a**.

No grant funding is requested for this task because annual monitoring activities are paid for by a stewardship endowment managed by the Land Conservancy. The annual stewardship cost of \$2,794 for the Attiyeh Project would require a \$93,200 endowment with a 3% annual rate of return. The stewardship endowment is paid for by the landowner upon recordation of the conservation easement.

Task 4.3: Data Management and Sharing

This task involves integration of the data from the annual monitoring site visit described in Tasks 4.2 and 4.3 into a monitoring report that will be sent to DWR, the landowner and any project partners requesting reports. There are no additional and separate costs associated with the management and sharing of data with DWR during the project implementation period beyond the budgeted staff time already included within the project administration and reporting tasks for this project.

Costs for the required post-completion annual monitoring activities are paid for by the proposed stewardship endowment managed by The Land Conservancy as described in the budget description for Task 4.2. The stewardship endowment will pay the cost for all monitoring site surveys as well as cost for processing data from site surveys. No additional budget is required

under this task since the stewardship endowment to be paid by the land owner is already included in the budget for Task 4.2.

No grant funding is requested for this task.

2.1 Budget Category (b): Land Purchase / Easement

Task 5: Land Purchase / Easement

Prior to recording the conservation easement on the Attiyeh Ranch, a surveyor may be hired to update/refine/finalize the legal descriptions and easement exhibits already completed as described in the completed work section of this Attachment for this project. The estimated cost for a surveyor to finalize necessary easement documents, is estimated to be \$2,000, which includes 20 hours of a licensed surveyor at \$100/hour. The estimated cost for this work effort will be paid for by the landowner contribution. No grant funding is requested for this portion of work.

The cost of the Attiyeh Ranch conservation easement is \$8,305,000. The land is privately owned by the Attiyeh Foundation, Robert S. and Linda H. Attiyeh, and Robert J.S. Attiyeh. The conservation easement will encumber the 8,305 acre ranch located in San Luis Obispo and Monterey Counties which includes over six miles of Nacimiento River directly upstream of Nacimiento Reservoir. The estimated conservation easement value is based on a prior appraisal, and a recent comparable sale of similar ranch property in Monterey County. In January, 2011 the Oak Ridge Ranch (6,375 acres) sold for \$14,900,000, providing the per acre land value of \$2,102. The appraisal and recent comparable sale provides a reasonable estimated land value of \$2,000 per acre for Attiyeh Ranch if purchased in fee. Conservation easement values are approximately 50% of the fee value. 50% is a typical discount factor in determining conservation easement value. Hence, the Attiyeh Ranch conservation easement is estimated to cost approximately \$1,000 per acre, or \$8,305,000.

\$2,100,100 of grant funding is being requested for this task, which is approximately 25% of the total cost for this task, or \$8,307,000. A portion of the matching funds for this task will be provided by the landowner contribution of \$1,944,354 (approximately 23% of the conservation easement value), The remaining cost share of \$4,262,646 will be secured through various funding sources identified below:

- Department of Fish and Wildlife (Wildlife Conservation Board)
- Department of Defense (Readiness and Environmental Protection Initiative)
- The Nature Conservancy (Packard Foundation, Land and Water Conservation Fund)
- The Wyss Foundation

Work to secure the required additional funding (Cost Share) will be completed as part of Task 6, so all costs associated with this effort are included with the work effort for Task 6 and is described in the next section.

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

There are only assessment and evaluation planning costs associated with the Attiyeh Project. There is no design, engineering, or environmental documentation tasks to complete the Attiyeh Project. Grant funding is not being requested for this budget category.

Task 6. Assessment and Evaluation

The remaining cost share of approximately \$4M will be secured through various funding sources as outlined and described in the work plan for this project included in Attachment 3. Work to secure the required additional funding will be performed by The Land Conservancy's Conservation Project Manager, Conservation Director, or Executive Director. It is anticipated that this effort will require approximately 12-15 hours a month of staff time over the initial 8 months of the project until funding commitment letters can be obtained. The budget to complete this work is based on 90-120 hours, at a staff rate of \$45-60 per hour, and is estimated to be \$5,800.

The Land Conservancy will require a final appraisal update or letter to be completed within 3 months of closing to verify no significant changes have occurred in the contemporary conservation easement value. Appraisal update(s) are estimated to cost \$30,000 based on industry standards and includes all costs associated with confirming and verifying the contemporary appraisal described in the completed work section for this project included in Attachment 3.

A mineral Remoteness Report will be conducted by a licensed geologist to acknowledge mineral development potential on the ranch. This report is estimated to cost \$3,000 and includes 20 hours of a licensed geologist at a rate of \$150 per hour.

The Land Conservancy will develop a Baseline Conditions Report that will involve a site survey to collect baseline data and establish photo monitoring points documenting the conservation values, land uses, and infrastructure on the ranch. The Land Conservancy's Conservation Director and Conservation Project Manager will conduct the site visit, compile the data, and prepare the Baseline Conditions Report. This effort is anticipated to require approximately 60 hours at a staff rate of \$50/hour, and is estimated to cost \$3,000.

Edits to the conservation easement could be contingent on additional funding partners, results from the Mineral Remoteness Report or Baseline Conditions Report and therefore staff time to incorporate necessary refinements to the final conservation easement is included as part of this task budget. Work to final the conservation easement will be performed by The Land Conservancy's Conservation Project Manager, Conservation Director, or Executive Director, and is estimated to require 12-18 hours, at a staff rate of \$45-60/hour; total cost for this work effort is estimated to be \$820.

The total estimated cost for Task 6 Assessment and Evaluation is \$42,620, which will be paid for by the landowner contribution. Costs associated with Task 6 are not a part of the requested grant funding and are submitted for consideration as funding match.

Task 7. Final Design

NONE

Task 8. Environmental Documentation

NONE

Task 9. Permitting

NONE

2.3 Budget Category (d): Construction/ Implementation

The Attiyeh Project does not require any construction contracting, however activities related to the implementation of the conservation easement are included in Task 11, construction/implementation. Grant funding is not being requested for this budget category.

Task 10. Construction Contracting

NONE

Task 11. Construction/Implementation

The cost to coordinate the necessary work items to complete the conservation easement, including development of a Resolution for the Land Conservancy's Board to accept the Conservation Easement, will require 6-8 hours of The Land Conservancy's Conservation Project Manager, Conservation Director, or Executive Director, at a rate of \$45-60/hour, and will cost an estimated \$355.

As the final conservation easement language is proceeding through the acceptance process, there will be additional ancillary costs to complete the Final Title Report and Closing Costs. The Final title report is estimated to cost \$300 and closing costs are expected to be approximately \$10,000, totaling \$10,300 and based on industry standards.

The total estimated cost for Task 11 Construction/ Implementation for the Attiyeh Project is \$10,655, which will be paid for by the landowner contribution. Costs associated with Task 11 are not a part of the requested grant funding and are submitted for consideration as funding match.

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

The Attiyeh Project does not require any environmental compliance/ mitigation/ enhancement. Grant funding is not being requested for this budget category.

2.5 Budget Category (f): Construction Administration

The Attiyeh Project does not require any construction administration. Grant funding is not being requested for this budget category.

Task 13.1. Construction Management

NONE

Task 13.2. Engineering Services During Construction (ESDC)

NONE

2.6 Budget Category (g): Other Costs

There are no other costs for the Attiyeh Project. Grant funding is not being requested for this budget category.

2.7 Budget Category (h): Construction/ Implementation Contingency

There are no construction/implementation contingency costs for the Attiyeh Project. Grant funding is not being requested for this budget category.

Table 2-3. Project Budget for the Attiyeh Ranch Conservation Easement

Proposal Title: San Luis Obispo Regional Integrated Water Management Proposal					
Project Title: Attiyeh Ranch Conservation Easement					
Project serves a need of a DAC?		<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Funding Match Waiver Request?		<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
		(a)	(b)	(c)	(d)
	Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other Fund Source*	Total Project Cost
(a)	Direct Project Administration	\$0	\$0	\$112,115	\$112,115
(b)	Land Purchase/ Easement	\$2,100,000	\$1,944,354	\$4,262,646	\$8,307,000
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$0	\$42,620	\$0	\$42,620
(d)	Construction/ Implementation	\$0	\$10,655	\$0	\$10,655
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$0	\$0	\$0	\$0
(f)	Construction Administration	\$0	\$0	\$0	\$0
(g)	Other Costs	\$0	\$0	\$0	\$0
(h)	Construction/ Implementation Contingency	\$0	\$0	\$0	\$0
(i)	Grand Total (sum rows (a) through (h) for each column)	\$2,100,000	\$1,997,629	\$4,374,761	\$8,472,390
<p>*List sources of funding (for Non-State Share AND Other State Fund Share): Landowner contribution (\$1,997,629 funding match; \$93,200 non-match) Other funds to be secured (\$4,281,561) The source of the Non-State share (Funding Match) is secured by landowner contribution upon the recordation of the conservation easement as codified in Land Conservancy of San Luis Obispo County memo dated February 14, 2013. The sources of the Other State Fund share are being developed with the Department of Fish and Wildlife’s Wildlife Conservation Board, Department of Defense, The Wyss Foundation, and The Nature Conservancy.</p>					

Project 3. Livestock and Land Program

The Program will be administered by two separate Resource Conservation Districts with different accounting, rates and staff; the Coastal San Luis RCD and the Upper Salinas Las Tablas RCD. All costs are based on experience from implementation of the Program in previous years in adjacent Counties.

3.0 Budget Category (a): Direct Project Administration

Direct project administration costs in Budget Category (a) are a part of the requested grant funding. See the following list of staff members involved and rates. Combinations of staffing are used throughout the estimated hours by task below.

Coastal San Luis RCD			Upper Salinas Las Tablas RCD		
Project Manager	Engineer	Admin Assistant	Project Manager	Licensed Engineer	Project Engineer
\$43	\$59	\$28	\$47	\$75	\$31

Task 1. Administration

Administration for Livestock and Land Program is estimated to be 1044 hours for the duration of the project. The project is anticipated to begin upon grant contract award and be completed by January 2017. The total cost for Administration is estimated to be \$48,604 and equates to approximately 20% of the total project cost. This administration cost is related to two different organizations administering the Program in different portions of the County. The administration hours were estimated based on implementation of the Program in previous years in adjacent Counties. It should be noted that two Resource Conservation Districts with no tax base are administering the Program. This is not a tax payer supported Program.

Task 2. Labor Compliance Program

The labor compliance program is administered by the relevant Resource Conservation District. The consultant reviews contractor's payroll submittals for labor compliance with the State labor code. Costs for the Labor Compliance Program are included in the cost estimate for Construction Management in Task 13.1, Construction Administration. No additional/separate expenditures are anticipated under Task 1.

Task 3. Reporting

This task includes creation of quarterly project reports to be provided to the County by each Resource Conservation District that describes the progress and accomplishments for the quarter, the Final Project Completion Report, and the Post Completion Reports (to be submitted annually for ten years of the project's operational life). The estimated cost to prepare the reports is included in the Administration costs.

Task 4: Project Performance Monitoring Plan (PPMP)

The PPMP is fully described in the Monitoring, Assessment and Performance Measures Attachment and will be carried out per that Attachment without additional preparation. The estimated cost to implement the PPMP are included in Administration, Construction and Construction Administration budget items.

3.1 Budget Category (b): Land Purchase / Easement

No activities are expected under this task. Grant funding is not being requested for this task.

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

Grant funding is being requested for this task.

Task 6. Assessment and Evaluation

Not applicable to this Project.

Task 7. Final Design

Projects can often be planned, permitted and constructed in one year. The project will result in 50% and 100% plans and specification being developed during the grant contract. The budget assumes 10 hours staff time per site for up to 8 project sites and is estimated at \$3,600.

Task 8. Environmental Documentation

Projects tend to be small and on impacted lands. It is expected that most of the projects will fall into a CEQA exemption or fall under an existing Mitigated Negative Declaration for the Partners In Restoration Permit Coordination Program. CEQA documents will be submitted to the State Clearinghouse prior to implementation. No projects will require an Environmental Impact Report. The budget assumes 10 hours of staff time per site for up to 8 project sites and is estimated at \$3,600.

Task 9. Permitting

Permits will be identified by project site. Projects tend to be on highly impacted lands that do not trigger permit agency review. If permits are required this task will cover site visits, permit applications, coordination and may cover permit costs. There is no further grant funding requested for this task.

3.3 Budget Category (d): Construction/ Implementation

Grant funding is being requested for this task.

Task 10. Construction Contracting

Contracting will vary by project site. In some instances, landowners will complete all construction without the need for contracting. In other cases a contractor will be hired by the

landowner or RCD through an informal quote process. Due to the small size of projects, formal competitive bidding will not be used. RCDs will use purchasing policies to direct the form of contracting. Staff time to complete any necessary contracting is considered under Construction Administration.

Task 11. Construction

The Livestock and Land Program utilizes an incentives-based approach to achieve the cultural change needed for livestock facilities to voluntarily adopt management measures that improve the healthy functioning of watersheds.

Subtask 11.1 Convene and Utilize Stakeholder and Technical Advisory Committee

The budget assumes 90 hours of staff time to organize and lead the STAC meetings for approximately \$4,030 local, state, and federal partner agencies as well as individuals involved in the STAC will dedicate time to participate and this will be in-kind match.

Subtask 11.2 Workshops and Trainings

The budget assumes 2 workshops/trainings will be organized and held for approximately \$27,500. Workshop participant time will be counted toward in-kind match.

Subtask 11.3 Water Quality Site Planning

The budget assumes 10 water quality site plans will be completed (16 hours each including site visit) for approximately \$8,040. Landowners participation time will be counted toward in-kind match.

Subtask 11.4 Implementation Sites

The budget assumes 4 to 8 implementation sites each receiving on average \$10,500 toward construction costs. Approximately 586 hours of staff time will support site selection, landowner agreements and other project site identification efforts for approximately \$26,594. Landowners will provide in-kind or cash match to implement the project as they are able. The budget assumes landowners will provide approximately 50% of the implementation site costs.

Subtask 11.4 Peer Leader Program

The budget assumes 160 hours of staff time to outreach to and support peer leaders for approximately \$7,080. Peer Leader time will be counted toward in-kind match. The budget assumes 0 hours of match, however we hope to have over 10 hours match.

**3.4 Budget Category (e): Environmental Compliance/ Mitigation/
Enhancement**

Projects tend to be on impacted lands and do not require mitigation. In some instances, the projects themselves are enhancement or restoration projects that do not need mitigation. If a project needs mitigation, project costs will be covered in the Construction, Implementation budget item.

Grant funding is not being requested for this task.

3.5 Budget Category (f): Construction Administration

Grant funding is being requested for this task.

Task 13.1. Construction Management

Costs incurred will be from construction oversight, project monitoring and labor compliance. The budget assumes 568 staff hours for approximately \$32,736, and \$5,000 in labor consultant costs for up to 4 projects.

Task 13.2. Engineering Services During Construction (ESDC)

The RCDs have staff engineers who will complete project designs. Engineer costs are included in Construction and Construction Management Tasks.

3.6 Budget Category (g): Other Costs

Grant funding is not being requested for this task.

3.7 Budget Category (h): Construction/ Implementation Contingency

A 4% contingency cost is included to provide flexibility in identifying and implementing strong demonstration sites that will encourage livestock owners to implement best management practices on their own. Grant funding is being requested for this task.

Table 2-4. Project Budget for the Livestock and Land Program

Proposal Title: San Luis Obispo Regional Integrated Water Management Proposal					
Project Title: Livestock and Land					
Project serves a need of a DAC?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Funding Match Waiver Request?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
		(a)	(b)	(c)	(d)
	Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Project Cost
(a)	Direct Project Administration	\$48,604	\$0	\$0	\$48,604
(b)	Land Purchase/ Easement	\$0	\$0	\$0	\$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$8,400	\$0	\$0	\$8,400
(d)	Construction/ Implementation	\$157,244	\$42,800	\$0	\$200,044
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$0	\$0	\$0	\$0
(f)	Construction Administration	\$52,736	\$0	\$0	\$52,736
(g)	Other Costs	\$0	\$0	\$0	\$0
(h)	Construction/ Implementation Contingency	\$8,000	\$0	\$0	\$8,000
(i)	Grand Total (sum rows (a) through (h) for each column)	\$274,984	\$42,800	\$0	\$317,784
<p>*List sources of funding (for Non-State Share AND Other State Fund Share): Individual program participants, and multiple local, state and federal partner agencies to sit on STAC</p> <p>The source of the Non-State share (Funding Match) is secured by voluntary participation of individuals and partner agencies. There are no loans, rate charges, etc associated with the Program.</p>					

Project 4. Shandon State Water Turnout Project

Table 2-5 presents the budget for the Shandon State Water Turnout Project. The following sections provide additional detail about the categories identified in Table 2-5.

4.0 Budget Category (a): Direct Project Administration

Direct project administration costs in Budget Category (a) that occur prior to project construction are not a part of the requested grant funding and are submitted for consideration as matching funds. Administration costs during construction and associated with reporting and the Project Performance Monitoring Plan are included in the request for grant funding. Other administrative costs are included within the other budget categories as part of the staff time required to complete the designated work.

Grant funding is being requested for these tasks.

Task 1. Administration

Administration for the Shandon State Water Turnout Project is estimated to be 40 hours for the 12 month duration of initial project development from September 2011 to September 2012. Administration for the Project's design phase is estimated to be 80 hours during the 9 month duration of the project's design from October 2012 to June 2013. Administration during the project's 8 month construction phase from October 2013 to May 2014 is estimated to be 40 hours. These administration efforts are at a staff rate of \$125 per hour, resulting in a total estimated cost for Administration of \$20,000 - \$15,000 for pre-construction administration and \$5,000 for administration during project construction. This estimate is based on administration of past County utility projects and equates to approximately 3.9% of the total project costs.

Task 2. Labor Compliance Program

The labor compliance program is administered by the Construction Manager of the Central Coast Water Authority on behalf of the County in accordance to the County's Labor Compliance Program. The Construction Manager reviews contractor's payroll submittals for labor compliance with the State labor code. Costs for the Labor Compliance Program are included in the cost estimate for Construction Management in Task 13.1, Construction Administration. No additional/separate expenditures are anticipated under Task 1.

Task 3. Reporting

This task includes creation of quarterly project reports to be provided to the County that describes the progress and accomplishments for the quarter, the Final Project Completion Report, and the Post Completion Reports (to be submitted annually for ten years of the project's operational life). The estimated cost to prepare the reports is \$5,000 and includes 40 hours at a staff rate of \$125 per hour.

Task 4: Project Performance Monitoring Plan (PPMP)

The PPMP will be prepared at the initiation of the Shandon State Turnout Project implementation to outline how the project performance will be assessed and evaluated as summarized in Attachment 6. The PPMP will address measurement of the project’s goals of adding a new water supply, reducing groundwater pumping from the Paso Robles Groundwater Basin and reducing energy consumption. The estimated cost to prepare the PPMP is \$3,000 and includes 24 hours at a staff rate of \$125 per hour.

4.1 Budget Category (b): Land Purchase / Easement

There are no costs associated with land or easement purchases for the Shandon State Water Turnout Project. This is a result of an internal assessment performed by the County, which found that all improvements made and facilities constructed for the project will be constructed within existing County right-of-way and State Department of Water Resources (DWR) right-of-way. Both the County and DWR purchased/obtained these rights-of-way prior to the year 2000.

Grant funding is not being requested for this task.

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

Planning, environmental documentation, and 100% design are complete as described in the Completed Work section of Attachment 3 and are an assumed sunk cost.

Grant funding is not being requested for these tasks.

Task 6. Assessment and Evaluation

Work to assess and evaluate the Shandon State Water Turnout Project was undertaken in the early 1990’s when the project’s environmental impact report was prepared and the project was initially planned to be constructed. These costs are not considered in the project estimate since they occurred prior to September 30, 2008.

Task 7. Final Design

On August 28, 2011, the County entered into a Utilities Reimbursement Agreement for Design Services with Central Coast Water Authority² (CCWA) to manage and perform complete design and design review for the Shandon State Water Turnout Project, including coordination with DWR to obtain final design approval. Under this agreement, CCWA retained a professional engineer (AECOM) to prepare and complete a final design package for the project. CCWA estimated their design costs at \$10,000 – 80 hours of staff time at \$125 per hour. AECOM’s proposal to produce a complete design was \$49,000. In addition to these costs, County review and participation in the design is estimated to be \$10,000 – 80 hours of staff time at \$125 per

² County of San Luis Obispo. “Utility Reimbursement Agreement for Design Services.” 2012.

hour. CCWA and County staff time estimates are based on similar recent projects undertaken. Total cost for Final Design is estimated to be \$69,000.

Task 8. Environmental Documentation

CEQA documentation for the Shandon State Water Turnout Project was mostly completed in 1992 with the project’s environmental impact report³ (EIR). Efforts to prepare the original EIR are not considered in the project estimate because they occurred prior to September 30, 2008.

The County undertook efforts to update the CEQA documentation in order to reassess the project’s impacts 20 years later. An addendum to the original EIR was prepared and processed by County staff to complete the CEQA documentation. These efforts are estimated to cost \$5,000, based on 40 hours of staff time at \$125 per hour.

Task 9. Permitting

There are no costs associated with permitting for the Shandon State Water Turnout Project. During preparation of the environmental documentation and final design, the County assessed all potential project impacts. It was determined that the Project does not impact any regulated resources and, therefore, does not require any environmental permits.

4.3 Budget Category (d): Construction/ Implementation

The construction costs presented herein are based on the 30 percent design stage. In 1993, DWR produced a final design for the Shandon State Water Turnout Project. The design was never constructed, however, due to financial infeasibility for Shandon. The current design undertaken by AECOM and CCWA is an effort to update DWR’s original design and make it more cost effective so that it is financially feasible for Shandon to implement.

Grant funding is being requested for this task.

Task 10. Construction Contracting

Construction contracting includes all of the efforts to publically advertise the Shandon State Water Turnout Project for bids and to award a contract. This effort will be undertaken by CCWA on behalf of the County and will be paid through a reimbursement agreement. CCWA’s costs for this task are estimated at 40 hours of staff time at \$125 per hour, a total of \$5,000. The advertising process also includes responding to technical bidder questions and preparing contract addenda if necessary. This task will be undertaken by AECOM, CCWA’s design subconsultant. AECOM’s proposal for to perform this work is \$3,500. The total estimated Construction Contract cost is \$8,500.

Task 11. Construction

Construction costs for the Shandon State Water Turnout Project will be performed in two phases: (1) chloramine treatment improvements and (2) turnout facility construction.

³ County of San Luis Obispo Office of Environmental Coordinator. “Final Environmental Impact Report, State Water Project Coastal Branch (Phase II) Local Distribution Lines and Facilities.” 1992.

The first phase, chloramine treatment improvements will be completed prior to grant award. The estimate for these improvements is based on a recent similar project to convert well treatment from free chlorine to chloramine.

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

Task 12. Environmental Compliance / Mitigation / Enhancement

Since construction of the project will occur entirely within already disturbed DWR and County right-of-way, no environmental mitigation or enhancement is anticipated as part of the project. No costs are included in the budget for work on this budget category.

No grant funding is being requested for this task.

4.5 Budget Category (f): Construction Administration

Task 13.1. Construction Management

CCWA will provide construction management and project oversight on behalf of the County Public Works Department and will be responsible to develop, negotiate and secure all contracts on behalf of the County. Other responsibilities include bid assistance, on-site representation for the County, quality assurance and maintenance of the construction budget, documentation and claims. These efforts are estimated to cost \$45,000, based on 360 hours of CCWA time at \$125 per hour.

Task 13.2. Engineering Services During Construction (ESDC)

CCWA has contracted with the design engineering firm, AECOM, to provide engineering services during construction. AECOM will be responsible for submittal review, responding to contractor RFIs, issuing clarifications, reviewing change order requests and creating project record drawings based upon construction documentation. AECOM's proposal to complete this work is \$19,000.

Grant funding is being requested for these tasks.

4.6 Budget Category (g): Other Costs

As part of the overall project development agreement between CCWA and the County, CCWA will coordinate review and approval of the Turnout Project with DWR. Also, DWR will conduct compliance inspections as part of construction. Based on preliminary discussions and fee estimates, the DWR estimated review and inspection costs are \$45,000.

Grant funding is not being requested for this task.

4.7 Budget Category (h): Construction/ Implementation Contingency

The Turnout project budget is based upon the current 30% design efforts which are attempting to make the original DWR design more efficient. However, since DWR has not yet approved the current design, a construction contingency has been included in the overall project budget to address possible construction cost variances. The construction / implementation contingency of \$81,500 is based upon 50% of the Turnout construction costs.

Grant funding is not being requested for this task.

Table 2-5. Project Budget for the Shandon (CSA 16) State Water Turnout Project

Proposal Title: San Luis Obispo Regional Integrated Water Management Proposal					
Project Title: Shandon (CSA16) State Water Turnout Project					
Project serves a need of a DAC?		<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Funding Match Waiver Request?		<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Project Cost
(a)	Direct Project Administration	\$13,000	\$15,000	\$0	\$28,000
(b)	Land Purchase/ Easement	\$0	\$0	\$0	\$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$0	\$74,000	\$0	\$74,000
(d)	Construction/ Implementation	\$178,500	\$44,000	\$0	\$222,500
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$0	\$0	\$0	\$0
(f)	Construction Administration	\$64,000	\$0	\$0	\$64,000
(g)	Other Costs	\$0	\$0	\$45,000	\$45,000
(h)	Construction/ Implementation Contingency	\$81,500	\$0	\$0	\$81,500
(i)	Grand Total (sum rows (a) through (h) for each column)	\$337,000	\$133,000	\$45,000	\$515,000

***List sources of funding (for Non-State Share AND Other State Fund Share): CSA 16 Reserves**
The source of the Non-State share (Funding Match) is secured by CSA 16 collected from water rate and service charges as approved by County of San Luis Obispo to pay for the local cost share portion of the project.

Other funding source includes in-kind services from Central Coast Water Authority on behalf of the County to administer the labor compliance program, construction management and project oversight.

Project 5. San Miguel Community Services District Critical Water System Improvements

The San Miguel Community Services District (SMCSD) needs to implement all six of these identified projects in the immediate future, or they will be faced with continued deterioration of an already deficient water system, and may not be able to support even limited beneficial growth with the identified deficiencies that face the SMCSD's water system. As discussed in the Work Plan, the projects include:

1. Well 3 Rehabilitation
2. Emergency Backup Power
3. New Fire Hydrants and Wharf Head Replacements
4. New Water Well Siting Study
5. New Water Storage Tank
6. 12th and K Street Water Main Upgrades

Project budgets for the six subprojects of the San Miguel Critical Water System Improvements were based on the following:

1. Professional experience in estimating planning, design fees, anticipated bid and construction activities for municipal water supply projects of similar nature.
2. Actual bid amounts for similar projects in similar geographical area and similar time frames.
3. Estimated costs based on input from equipment suppliers and contractors, where applicable.

Grant funding is being requested for all project tasks.

The following sections provide additional detail about the categories identified in **Table 2-6**. **Table 2-6** below is a summary of total program costs for all six subprojects.

San Luis Obispo Regional Integrated Water Management Proposal
Attachment 4 – Budget
San Miguel Community Services District Critical Water System Improvements

Table 2-6. Summary Budget for San Miguel Community Services District Critical Water System Improvements

Sub-category	Well 3 Upgrades	Well 3 and 4 Generator	12th and K Street Upgrades	SLT Water Storage Tank	Fire Hydrant/ Wharf head Replacements	New Well Siting Study	Grand Total
Task1 Administration	\$3,638	\$3,638	\$3,183	\$4,547	\$910	\$1,364	\$17,280
Task 2 Labor Compliance Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Task 3 Reporting	\$486	\$486	\$426	\$608	\$122	\$182	\$2,310
Task 4 PPMP	\$0	\$0	\$368	\$0	\$0	\$0	\$368
Task 5 Land Purchase	\$0	\$0	\$0	\$13,848	\$0	\$2,540	\$16,388
Task 6. Assessmsent Evaluation	\$0	\$0	\$0	\$0	\$0	\$67,164	\$67,164
Task 7. Final Design	\$15,000	\$15,000	\$21,125	\$27,750	\$2,500	\$0	\$81,375
Task 8. Environmental Documentation	\$3,000	\$1,000	\$3,000	\$3,000	\$0	\$0	\$10,000
Task 9. Permitting	\$1,500	\$2,000	\$1,500	\$1,000	\$1,500	\$0	\$7,500
Task 10. Construction Contracting	\$5,000	\$5,000	\$4,375	\$6,250	\$0	\$0	\$20,625
Task 11. Construction	\$131,376	\$132,876	\$106,023	\$137,997	\$42,468	\$0	\$550,740
Task 12 Environmental Compliance	\$0	\$0	\$0	\$5,000	\$0	\$0	\$5,000
Task 13.1 Construction Management	\$20,000	\$20,000	\$17,500	\$25,000	\$0	\$0	\$82,500
Task 13.2 ESDC	\$10,000	\$10,000	\$8,750	\$12,500	\$0	\$0	\$41,250
Total	\$200,000	\$200,000	\$175,000	\$250,000	\$50,000	\$75,000	\$950,000

5.0 Budget Category (a): Direct Project Administration

Direct project administration costs to oversee and administer project planning, design and construction associated with reporting and the Project Performance Monitoring Plan are included in the request for grant funding. Other administrative costs are included within the other budget categories as part of the staff time required to complete the designated work.

Grant funding is being requested for these tasks.

Task 1. Administration

Administration for the projects that comprise the San Miguel Critical Water System Improvements is estimated to be 24 hours per month at a staff rate of \$40 per hour for the 18 month duration of the project. The project is anticipated to begin in November 2013 and be completed by April 2015. The total cost for Administration is estimated to be \$17,280 and equates to approximately 2% of the estimated project total cost.

Task 2. Labor Compliance Program

The labor compliance program is administered by the District, with assistance from the Construction Manager. The Construction Manager reviews contractor's payroll submittals for labor compliance with the State labor code. Costs for the Labor Compliance Program are

included in the cost estimate for Construction Management in Task 13.1, Construction Administration. No additional/separate expenditures are anticipated under Task 1.

Task 3. Reporting

This task includes creation of quarterly project reports to be provided to the District that describes the progress and accomplishments for the quarter, the Final Project Completion Report, and the Post Completion Reports to be submitted in accordance with the DWR reporting requirement. The estimated cost to prepare the reports is \$2,310 and includes 15 hours at SMCSD’s Engineer’s billing rate of \$154 per hour.

Task 4: Project Performance Monitoring Plan (PPMP)

The PPMP is satisfied through various degrees of monitoring and verification upon completion of the six subprojects described for San Miguel. Each subproject will have some unique aspects of monitoring and the effectiveness of monitoring post-construction.

The proposed monitoring approach is summarized as follows:

- a. **Backup Generators.** Once the generators are installed, startup and testing will be conducted prior to acceptance of the work. The District will continue to maintain the generators, and will conduct routine startup of the generators to verify their “readiness” to operate during an emergency. There are no other specific things that need to be reported, other than documentation of the weekly or monthly generator testing performed by District staff, or a report of effectiveness (indicating generators worked) during an extended power outage. Startup costs are part of the construction cost for this subproject.
- b. **SLT Water Storage.** The water master plan⁴ (2002) already calculated the deficit of water storage needed for fire flow, and thus by adding the new 250k GA water tank, we are partially fulfilling this requirement. Since total storage recommended was over 1.3 MG, there will still be a shortfall of storage, but it will be much better than it is today. There will not be any monitoring that can be described; however, we will be documenting construction completion, updating the permit with CDPH, and maintaining the storage needed in their water tanks for day to day use, and fire flows if and when needed. Such costs are part of the construction cost for this subproject.
- c. **12th and K Street.** As part of Goal #2, we will perform field pressure and flow testing to verify the positive results of the pipeline upgrade. This will be positive proof that the improvements performed as modeled. We anticipate 2 hours of District staff time at \$30/hour, plus 2 hours of District Engineer time at \$154/hour, to confirm modeling results. Total subcost for PPMP for this subproject is \$368.
- d. **Well 3 Improvements.** There is no monitoring that can be done, other than startup and testing upon completion of the new utility building. Construction completion will be documented, and adequately tested to confirm the new facilities’ ability to improve safety and ability to house electrical and chemical facilities. Such costs are part of the construction cost for this subproject.
- e. **Fire Hydrant Replacements.** Similarly, there is no monitoring that can be done upon completion of this subproject. The old unreliable hydrants, and the undersized wharfhead hydrants, will be replaced with new 6” hydrants, and past 2002 water system modeling has

⁴ John L Wallace and Associates. “Water Master Plan for San Miguel Community Services District.”

already confirmed the fire flow improvements to be realized. Such costs (prior modeling efforts) are not being requested for reimbursement.

- f. **Well Siting Study.** Since this is not a physical project (fully equipping a new permanent well), there is no monitoring that can be done. However, we will provide the water quality results of the pilot hole/well development as part of this study and report findings on expected water production rates and confirmation that water quality meets primary drinking water standards. Such costs are already included in the cost of the study.

The PPMP will be prepared at the initiation of implementation to outline how the project performance will be assessed and evaluated as summarized in Attachment 6. The estimated cost to prepare the PPMP is \$368 and includes 2 hours at a staff rate of \$30 per hour, and 2 hours of SMCSD Engineer's billing rate of \$154/hour.

5.1 Budget Category (b): Land Purchase/Easement

A modified easement may be required for the San Lawrence Terrace Tank Project. Since the need for an expanded easement has not been confirmed at this time, but will be confirmed during preliminary design, we have budgeted for the cost of the anticipated easement acquisition.

The cost for negotiations with the property owner, land appraisal fees, prescribing the legal description, recordation of easement and easement/land fee are summarized as follows:

- Legal Services, 8 hours@\$200/hour, or \$1,600
- Land appraisal, \$1,000
- Easement legal description, 6 hours@\$130/hour, \$780
- Recordation of Easement, 2 hours@\$154/hour, \$308
- District Staff Time, 4 hours@\$40/hour, \$160
- Easement/land fee, \$10,000

Total estimated cost, \$13,848 (SLT Water Storage Tank)

Rights of entry agreements will be required for preparation of the New Well Siting Study. We have assumed there will be two sites studied, and therefore two rights of entry agreements will be obtained.

The cost for negotiations with the property owner, drafting right of entry agreements, defining temporary access/legal descriptions, are summarized as follows:

- Legal Services, 8 hours@\$200/hour, or \$1,600
- Right of Entry legal descriptions, 6 hours@\$130/hour, \$780
- District Staff Time, 4 hours@\$40/hour, \$160

Total estimated cost, \$2,540 (New Well Siting Study)

Grant funding is being requested for these tasks.

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

Planning, environmental documentation are complete as described in the Completed Work section of Attachment 3 and are an assumed sunk cost **OR** costs that were incurred after September 30, 2008 are included as the Non-State share (funding match).

Refer to **Table 2-6** for a summary of the various planning, design and environmental costs by subproject. Further cost explanation and breakdown is included in the discussion for Tasks 6 through 9.

Grant funding is being requested for these tasks.

Task 6. Assessment and Evaluation

There are no further assessments and evaluations to be completed on five of the six subprojects for San Miguel CSD, which are capital improvement projects. The District completed a water master plan in 2002 and has provided on-going water system assessments and evaluations through the course of day-to-day operations of their water system over the years which are the basis for the projects contained in this proposal.

Effort to assess and evaluate the New Well Siting Study is budgeted within this Task 6 except for administration and reporting costs. The assessment budget was calculated similar to the Final Design budgets below, the SMCSO Engineer and consultants will lead the assessment efforts so a 7% to total contract value was used. The Task 6 assessment budget was calculated using 7% of the total contract, \$67,164.

Task 7. Final Design

This project includes work to bring the subprojects design to 100% design remains to be completed under this task.

Design budgets were calculated as a percentage of overall project cost. These percentages were based on industry standard and expected ranges of design fee for various projects. Where design is being completed solely “in house” by SMCSO staff, design was calculated as 5% of total contract value. Where SMCSO Engineer and other consultants are leading design efforts, 7.5% of total contract value was used. Therefore, the Task 7 design budgets were calculated as follows:

- Well 3 Upgrades (design by SMCSO Engineer/consultants), 7.5% of total contract, or \$15,000.
- Well 3 and 4 Generator (design by SMCSO Engineer/consultants), 7.5% of total contract, or \$15,000.
- 12th and K Street Upgrades (design by SMCSO Engineer/consultants), 7.5% of total contract, or \$13,125. Add \$5,000 for survey, and \$4,000 for geotechnical services, for design grand total of \$21,125.

- SLT Water Storage Tank (design by SMCSO Engineer/consultants), 7.5% of total contract, or \$18,750. Add \$5,000 for survey, and \$4,000 for geotechnical services, for design grand total of \$27,750.
- Fire Hydrant/Wharfhead Replacement (SMCSO in-house design), 5% of total contract, or \$2,500.

Task 8. Environmental Documentation

As discussed in Attachment 3, environmental documents will be completed for the subprojects.

The Well 3 and 4 generator project is categorically exempt, and will require minimal effort to close out the required environmental documentation. A budget of \$1,000 for this project was included.

For the Well 3 Upgrade, 12th and K Street Upgrade, and SLT Water Storage Tank projects, they are expected to be determined to be approved for construction with mitigated negative declarations. A budget of \$3,000 per project has been included. Once the preliminary design is complete, an environmental consultant will be obtained to conduct the required CEQA environmental review.

No environmental work will be required for the Fire Hydrant/Wharfhead Replacement and New Well Siting Study subprojects.

NEPA environmental review requirements are not anticipated for this Project.

Task 9. Permitting

Permitting for the various subprojects is summarized below:

Project	Permit	Status
Well 3 Upgrades	County of SLO Encroachment	To be obtained prior to construction
Well 3 and 4 Generators	AQMD	To be obtained during construction
12 th and K Street Upgrades	County of SLO Encroachment	To be obtained prior to construction
SLT Water Storage Tank	Easement Revision	To be obtained prior to construction
	CDPH Permit Update	To be obtained prior to construction
Fire Hydrant/Wharfhead Replacements	County of SLO Encroachment	To be obtained prior to construction
New Well Siting Study	Right of Entry Permit With Property Owner(s)	To be obtained prior to construction

Estimated costs for permitting are as follows:

- Well 3 Upgrades, County of SLO Encroachment Permit: \$1,500

- Well 3 and 4 Generators, AQMD Permit: \$2,000
- 12th and K Street Upgrades, County of SLO Encroachment Permit: \$1,500
- SLT Water Tank, CDPH Permit Update: \$1,000
- Fire Hydrant/Wharfhead Replacements (County Encr. Permit): \$1,500

5.3 Budget Category (d): Construction/ Implementation

Work under this task includes the preparation and distribution of project bid packages to interested bidders, advertise the project, conduct a pre-bid meeting, review, prepare and respond to bidder's requests for information, evaluate bids and award the construction contract for the San Miguel sub-projects.

Grant funding is being requested for this task. No work has or will be started until grant funding award.

Task 10. Construction Contracting

Construction contracting will include the bid advertising, pre-bid meeting, and other related bid phase support services. Such services are not required for the New Well Siting Study (since it is not a construction project) or Fire Hydrant/Wharfhead (to be constructed in-house by SMCSO staff) Projects. However, all other projects will be publicly bid, and bid phase was budgeted at 2.5 % of total contract value, as follows:

- Well 3 Upgrades: \$5,000
- Well 3 and 4 Generators: \$5,000
- 12th and K Street Upgrades: \$4,375
- SLT Water Tank: \$6,250

Task 11. Construction

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

At this time, the extent of environmental mitigation is not known. However, we do not anticipate any mitigation costs for the subprojects with the exception of the SLT Water Storage Tank Project. Once environmental review is complete, SMCSO, in conjunction with District Engineer and the Environmental Consultant, will document identified mitigation measures required during construction. However, the level of environmental compliance, mitigation or enhancement is not expected to be rigorous give the limited CEQA analysis required and the type of project activities. A budget of \$5,000 has been reserved for this effort, and if additional budget is needed, we would anticipate the budgeted contingency to cover any overage costs.

Grant funding is being requested for this task.

5.5 Budget Category (f): Construction Administration

Construction Management will occur in varying levels and degrees, for each sub-project, for the duration of the construction period. The SMCSO and SMCSO Engineer will be responsible for development, negotiation and securing all contracts, including construction contractors, construction managers, and environmental monitoring consultants.

Grant funding is being requested for this task.

Task 13.1. Construction Management

Construction management costs will include costs for customary Construction Management services including:

- Pre-construction meeting, periodic meetings
- Daily reports, inspections
- Contractor coordination, review progress schedules
- Submittal reviews, responding to RFIs
- Review proposed change orders
- Dispute resolution
- Project close-out
- Other related matters

In the case of the Fire Hydrant/Wharfhead Replacement Project, the District will conduct this in-house and therefore no CM charges are budgeted. The New Well Siting Study is not a construction project, and therefore CM services are not required.

The remaining four subprojects have budgeted Construction Management services, based on 10% of total contract value.

- | | |
|-------------------------------------------|----------|
| • Well 3 Upgrades: | \$20,000 |
| • Well 3 and 4 Generators: | \$20,000 |
| • 12 th and K Street Upgrades: | \$17,500 |
| • SLT Water Tank: | \$25,000 |

Task 13.2. Engineering Services During Construction (ESDC)

Engineering Services during Construction will be contracted through the SMCSO Engineer. The Engineer will be responsible for:

- Performing submittal review;
- Responding to contractor requests for information;
- Issuing clarifications;
- Recommending change orders to the owner; and
- Creating as-built records for the project based on construction documentation.

In the case of the Fire Hydrant/Wharfhead Replacement Project, the District will conduct this in-house and therefore no ESDC charges are budgeted. The New Well Siting Study is not a construction project, and therefore ESCD services are not required.

The remaining four subprojects have budgeted Construction Management services, based on 5% of total contract value.

- Well 3 Upgrades: \$10,000
- Well 3 and 4 Generators: \$10,000
- 12th and K Street Upgrades: \$8,750
- SLT Water Tank: \$12,500

Grant funding is being requested for this task.

5.6 Budget Category (g): Other Costs

Other Costs are included in the grant funding request, and have been itemized within the Task 7 design task (survey, geotechnical) where applicable.

5.7 Budget Category (h): Construction/ Implementation Contingency

Construction/implementation contingency is included in all subprojects, and is being requested to be included in the grant funding. A 5% contingency (based on total contract value) was included for each project.

- Well 3 Upgrades: \$10,000
- Well 3 and 4 Generators: \$10,000
- 12th and K Street Upgrades: \$8,750
- SLT Water Tank: \$12,500
- Fire Hydrant/Wharfhead: \$2,500
- New Well Siting Study: \$3,750

San Luis Obispo Regional Integrated Water Management Proposal
Attachment 4 – Budget
San Miguel Community Services District Critical Water System Improvements

Table 2-7. Project Budget Summary for the San Miguel Critical Water System Improvements

Proposal Title: San Luis Obispo Regional Integrated Water Management Proposal					
Project Title: San Miguel Critical Water Supply Projects					
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)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Project Cost
(a)	Direct Project Administration	\$19,958	---	---	\$19,958
(b)	Land Purchase/ Easement	\$16,388	---	---	\$16,388
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$166,039	---	---	\$166,039
(d)	Construction/ Implementation	\$571,365	---	---	\$571,365
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$5,000	---	---	\$5,000
(f)	Construction Administration	\$123,750	---	---	\$123,750
(g)	Other Costs	\$0	---	---	\$0
(h)	Construction/ Implementation Contingency	\$47,500	---	---	\$47,500
(i)	Grand Total (sum rows (a) through (h) for each column)	\$950,000	\$0	\$0	\$950,000

Project 6. San Simeon Supplemental Water Supply Feasibility Study and Design Project

San Simeon Community Services District (SSCSD) is pursuing a supplemental water supply project to increase water supply resources to the small disadvantaged community (DAC) of San Simeon. Underlying San Simeon is a small groundwater basin (Pico Creek Valley Groundwater Basin, 62.5 acres) bounded by the Pacific Ocean to the west and extends inland about 7,000 feet under the stream channel and floodplain of Pico Creek. The clean water aquifer is dependent on the local watershed to recharge and protect the basin each year, especially during extended drought conditions.

As per Exhibit E of the Round 2 Proposal Solicitation Package Guidelines, DACs are given special preference in permitting the study and planning of critical water supply or water quality needs. This project is submitted under the Expanded Project Eligibility allowance based on the DAC status of the SSCSD service area and the critical water supply, water quality, and water system improvements needed to provide safe, reliable drinking water and fire protection. Furthermore, this DAC project requests to waive any funding match requirement as per Exhibit B of the Round 2 Proposal Solicitation Package Guidelines.

As a planning level project for a documented DAC, no construction activities are expected to occur from this grant request. The Project budget for the San Simeon project is based on a detailed scope of work and level of effort for a planning level feasibility study and a 30% design report, and applying reasonable labor rates to complete the water resources planning, environmental review, and design documents described in the Work Plan. Labor rates and charges were provided by local water resources consulting engineering firms who specialize in the planning and design of water and wastewater infrastructure.

Table 2-8 provides a breakdown of the unit costs applied to the draft project outline scope of work described in Attachment 3 and anticipated levels of effort by the different professional classifications. The rates used are based on 2012 dollars.

Table 2-8. Project Position Titles and Hourly Rates

Position	Hourly Rate
Principal Professional	\$ 239
Supervising Professional	\$ 212
Senior Professional	\$ 179
Associate Professional	\$ 157
Associate Professional Hydrogeologist	\$ 179
Principal Environment Consultant	\$ 180
Associate Environmental Consultant	\$ 130
Graphics	\$ 98
CAD/GIS	\$ 110
Administrative Assistant	\$ 90

6.0 Budget Category (a): Direct Project Administration

Task 1 Administration

Administration for San Simeon Supplemental Water Supply Feasibility Study and Design Project is estimated to be 270 hours over the 16 month project duration. The cost breakdown for this category is provided in **Error! Reference source not found.** and includes hours for Principal, Supervising, Section and Administrative Assistant staff to support the management of the work effort and providing a high level of quality assurance in monitoring and reporting on the project's progress throughout its duration. The project is anticipated to begin with the Request for Proposals in November 2013 and be completed with a Final Design (90% level) report by March 2015. The total cost for Administration equates to approximately 6% of the estimated project total cost.

Table 2-9. Reporting Cost Breakdown

Position	Hourly Rate	Number of Hours	Total Cost
Principal Professional	\$ 239	4	\$ 956
Supervising Professional	\$ 212	46	\$ 9,752
Total		50	\$ 10,708

Task 4 Project Performance Monitoring Plan (PPMP)

The PPMP is going to be scoped upon contract approval of a consultant to perform the scope of work for the San Simeon Supplemental Water Supply Feasibility Study and Design Project. The progress of both documents (i.e., Feasibility Study and Design Report) will be fluid throughout the project duration. The following list of PPMP items comes from the Project Work Plan:

- Feasibility Study Completion
 - Identification of project alternatives
 - Draft Feasibility Report for review and comment.
 - Final Feasibility Report
- Design Report
 - 30 % Design Report
 - CEQA Compliance
 - 50% Design Report
 - 90% Design Report

Performance will be measured after each phase of the Feasibility Study completion and the Final Design Report for the preferred alternative. The expected level of effort will be rolled in to the quarterly reporting in Task 3 with the costs shown in **Table 2-10**.

Table 2-10. Performance Monitoring Cost Breakdown

Position	Hourly Rate	Number of Hours	Total Cost
Principal Professional	\$ 239	10	\$ 2,390
Supervising Professional	\$ 212	32	\$ 6,784
Total		42	\$ 9,174

6.1 Budget Category (b): Land Purchase/Easement

No land purchase requirements will be included in the San Simeon Supplemental Water Supply Feasibility Study and Design Project scope of work. This does not exclude the project from obtaining appraisals for land or easement that will be necessary for the construction phase of the Final Design Report. The Land Purchase/Easement Category does not apply and is set at to a zero dollar amount.

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

This Budget Category is intended to provide a clear understanding of the status of planning and design for an implementation project seeking funding for construction of a project upon award of the grant and completion of the necessary planning and design studies. In all cases, the projects need to be far enough along to guarantee implementation. Since the San Simeon Supplemental Water Supply Feasibility Study and Design Project is not a construction project, this section orients the intent of this Budget Category to speak to the elements of only a feasibility study and design report project.

Task 6 Assessment and Evaluation

The San Simeon Supplemental Water Supply Feasibility Study and Design Project scope of work will provide the work plan for the assessment and evaluation of the San Simeon Community water needs. Having suffered from 30 years of no building and severe water rationing, this will be the first study to look at the entire community and County General Plan’s need and expectations for existing and future water supplies, respectively. A suite of alternatives will be analyzed and brought forward based on their ability to implement and cost effectiveness. The Design Report will bring the preferred alternative to 90% design completion for construction of the phase 1 infrastructure to meet the existing SSCSD’s critical water supply and water system needs.

The preliminary scope of work is provided in **Table 2-11** below:

Table 2-11. Project Scope of Work

Task 1 - Background Description of SSCSD Water Supply

San Luis Obispo Regional Integrated Water Management Proposal
Attachment 4 – Budget
IRWM Implementation Grant Administration

1.1-List and describe SSCSD's current conditions and immediate challenges.
1.2-Describe and quantify the current water supply strategy identified in their Water Master Plan.
1.3-Provide an annotated map of SSCSD's existing project elements, describing each significant element (e.g., diversion structures, larger conveyance pipelines, and WTP's)
Task 2 - Current and Future Service Area Descriptions
2.1-Describe historical growth and the impact of that water has had on approved planned growth in San Simeon
2.2-Identify Geographic extent of the current and future SSCSD service area
2.3-Geographically locate future planned service areas. Provide figures and exhibits as needed.
2.4-Describe and quantify areas of improvement to the existing system and future system service areas.
Task 3 - Describe Water Supply Sources
3.1-Research and compile hydrogeologic data to quantify historical rainfall, streamflow and groundwater elevations in the Pico Creek watershed.
3.2-Describe historical water supply sources including groundwater, surface water, recycled water, and conservation with yield from each source and potential for expansion
3.3-Describe future supply sources including groundwater and surface water WTP's, recycled water, and demand reduction through water conservation measures.
Task 4 - Build-out Water Demands
4.1-Develop GIS coverage of land uses for all of SSCSD's service area. Provide figures and exhibits as needed.
4.2-Calculate build-out water demands based on recommended county-wide unit demand factors.
4.3-Compare build-out water demands with current water supplies
4.4-Meet and confer with SSCSD staff on demand results.
Task 5 - Temporal Water Demand Projections
5.1-Obtain County General Plan growth projection data.
5.2-Apply population growth curves to the growth in water demand
5.3-Quantify water supply need over the period of buildout for SSCSD's service area
Task 6 - Develop a 3D Groundwater Surface Water Model
6.1-Gather all well driller's logs in the Pico Creek Watershed
6.2-Using a licensed Hydrogeologist, describe the basins lithology and aquifer properties for modeling
6.3-Develop groundwater model and calibrate to data compiled in Task 3 - hydrogeologic data
6.4-Apply existing water demands to model to develop a baseline model for comparison
Task 7 - Develop Water Supply Alternatives
7.1-Develop a maximum safe sustainable extraction yield scenario optimizing placement of groundwater and underflow wells.
7.2-Quantify shortfall of remaining water demand to be met by other sources of supply including surface water. Recycled water, and conservation (and desalinization, optional task)
7.3-Identify delivery point(s) of water for treatment and for distribution to service area
7.4-Develop up to five alternative water supply portfolios to meet the projected water demands to build-out of the SSCSD service area.
7.5-Perform a preliminary design and cost estimate for each alternative for comparison.
7.6-Select up to three preferred alternatives and provide Environmental Analysis.

Task 8 - Environmental Analysis
8.1-Establish existing land use and biological resources on land required for project alternative.
8.2-Provide preliminary cultural resource analysis, impacts to local stream fisheries.
8.3-Provide project site images and environmentally or culturally sensitive areas.
8.4-Investigate permitting requirements and timeline for application and approval.
Task 9 - Recommendations and Implementation Plan
9.1-Develop a summary of the recommendation of the preferred alternative.
9.2-Update the existing water distribution model to include the projected water demands and water supply inputs.
9.3-Develop a capital improvement program implementation plan and final cost estimate
9.4-Provide phasing of water supply projects to meet existing demands (Phase 1), and demands up to build-out of the SSCSD service area (Phases 2 and 3).
9.5-Develop a financial model to assess the financial needs over time and required changes in customer rates and development fees.
Task 10 - Completion of Feasibility Study
10.1-Develop Draft Feasibility Report to be reviewed at intermediate stages prior to proceeding with Task 9 and completion of draft memorandum.
10.2-Provide public outreach meetings with presentations and fact sheets
10.3-Develop Final Feasibility Report and have adopted by SSCSD Board of Directors
10.4-Approve resolution to proceed with design of the preferred alternative to meet existing water demands
Task 11 - Design Report
11.1-Develop the Phase 1 project and design scope of work.
11.2-Complete Mitigated Negative Declaration (or Categorical Exemption)
11.3-Develop 30%, 50% and 90% design drawings and cost estimates
11.4-Begin permitting process
Task 12-Project Implementation Proposal
12.1-Develop Technical Justification for the Project
12.2-Develop Work Plan, Schedule and Budget
12.3-Work with County staff in submitting Implementation Grant for Phase 1 Project.
Task 13-Project Management
13.1- Provide Meeting materials and meeting minutes
13.2-Perform quality checks at each phase of report completion
13.3-Monthly invoicing and progress reports
13.4-Performance monitoring status quarterly reports to DWR
13.5-Provide 5 hardcopies electronic Word and PDF formats of all deliverables

The expected level of effort for the above is estimated at \$700,000 including the project administration, reporting, monitoring and environmental and design. The net level of effort and amount is estimated in **Table 2-12**.

Table 2-12. Planning and Evaluation Study Development Effort

Position	Hourly Rate	Number of Hours	Total Cost
----------	-------------	-----------------	------------

Principal Professional	\$ 239	140	\$ 33,460
Supervising Professional	\$ 212	320	\$ 67,840
Senior Professional	\$ 179	580	\$ 103,820
Associate Professional	\$ 157	850	\$ 133,450
Associate Professional Hydrogeologist	\$ 179	400	\$ 71,600
Principal Environment Consultant	\$ 180	60	\$ 10,800
Associate Environmental Consultant	\$ 130	90	\$ 11,700
Graphics	\$ 98	90	\$ 8,820
CAD/GIS	\$ 110	400	\$ 44,000
Admin/ Secretary/ Editor	\$ 90	166	\$ 14,940
Total		3,096	\$ 550,430

Task 7 Final Design

The San Simeon Supplemental Water Supply Feasibility Study and Design Project includes design of the preferred alternative recommended as part of the feasibility scope of work above in Task 6. The design will include a 30% design element to bring completion of priority projects to meet existing critical water supply and system needs to the point where construction can be pursued through financial applications. The intervening time between grant application and award will be used to complete the Final (90%) Design Report to make the project “shovel-ready” upon award of the grant amount. The level of effort assigned to this effort is estimated in **Table 2-13**.

Table 2-13. Design Cost Breakdown

Position	Hourly Rate	Number of Hours	Total Cost
Principal Professional	\$ 239	40	\$ 9,560
Supervising Professional	\$ 212	120	\$ 25,440
Senior Professional	\$ 179	120	\$ 21,480
Associate Professional	\$ 157	240	\$ 37,680
Associate Professional Hydrogeologist	\$ 179	40	\$ 7,160
Principal Environment Consultant	\$ 180	-	\$ -
Associate Environmental Consultant	\$ 130	-	\$ -
Graphics	\$ 98	80	\$ 7,840
CAD/GIS	\$ 110	100	\$ 11,000
Admin/ Secretary/ Editor	\$ 90	20	\$ 1,800
Total		678	\$ 121,970

Task 8 Environmental Documentation

The San Simeon Supplemental Water Supply Feasibility Study and Design Project will include a CEQA element to proceed to the design stage of the project. Based on the factual presentation of a thorough alternatives analysis, the top three alternatives will include program-level environmental review. Project-level CEQA analysis will be required upon adoption of the Feasibility Study and resolution to proceed with the design phase of the project. For planning purposes, the preferred alternative project is assumed to require a CEQA mitigated negative declaration (or categorical exemption) based on probable solutions working with existing water and wastewater facilities, existing right-of-way and on property where current uses are compatible with water-type projects. The reduced level of effort is reflected in **Table 2-14**.

Table 2-14. Environmental Documentation

Position	Hourly Rate	Number of Hours	Total Cost
Principal Professional	\$ 180	40	\$ 7,200
Supervising Professional	\$ 130	80	\$ 10,400
Total		120	\$ 17,600

Task 9 Permitting

The San Simeon Supplemental Water Supply Feasibility Study and Design Project will include a permit investigation element but will not proceed with permitting until project financing is secured. No costs are associated with permitting.

6.3 Budget Category (d): Construction/ Implementation

The San Simeon Supplemental Water Supply Feasibility Study and Design Project will not include construction contracting. No costs are associated with this Budget Category

Task 10 Construction Contracting

The San Simeon Supplemental Water Supply Feasibility Study and Design Project will not include construction contracting. No costs are associated with this task.

Task 11 Construction

The San Simeon Supplemental Water Supply Feasibility Study and Design Project will not include construction contracting. No costs are associated with this task.

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

The San Simeon Supplemental Water Supply Feasibility Study and Design Project will not include construction contracting or environmental compliance associated with construction. No costs are associated with this Budget Category.

6.5 Budget Category (f): Construction Administration

The San Simeon Supplemental Water Supply Feasibility Study and Design Project will not include construction contracting or administration. No costs are associated with this task.

Task 13.1 Construction Management

The San Simeon Supplemental Water Supply Feasibility Study and Design Project will not include construction contracting or construction management. No costs are associated with this task.

Task 13.2 Engineering Services During Construction (ESDC)

The San Simeon Supplemental Water Supply Feasibility Study and Design Project will not include construction contracting or engineering services to support construction. No costs are associated with this task.

6.6 Budget Category (g): Other Costs

The San Simeon Supplemental Water Supply Feasibility Study and Design Project does not include other costs.

6.7 Budget Category (h): Construction/ Implementation Contingency

The San Simeon Supplemental Water Supply Feasibility Study and Design Project does not include a project contingency.

Table 2-15. Project Budget Table (Table 7 of Guidelines)

Proposal Title: San Luis Obispo Regional Integrated Water Management Proposal					
Project Title: San Simeon Supplemental Water Supply Feasibility Study and Design 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		
		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Project Cost
(a)	Direct Project Administration	\$ 60,000	\$0	\$0	\$60,000
(b)	Land Purchase/ Easement	\$0	\$0	\$0	\$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$ 640,000	\$0	\$0	\$640,000
(d)	Construction/ Implementation	\$0	\$0	\$0	\$0
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$0	\$0	\$0	\$0
(f)	Construction Administration	\$0	\$0	\$0	\$0
(g)	Other Costs	\$0	\$0	\$0	\$0
(h)	Construction/ Implementation Contingency	\$0	\$0	\$0	\$0

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(i)	Grand Total (sum rows (a) through (h) for each column)	\$700,000	\$0	\$0	\$700,000

Project 7. IRWM Implementation Grant Administration

Table 2-17 contains the budget for the IRWM Implementation Grant Administration. The source of non-state cost share funds (matching funds) is District General Fund tax revenue. Each year, the District allocates a portion of this revenue for IRWM activities. For example, the District’s Fiscal Year 2012-13⁵ budget allocates \$504,200 of District revenue for various IRWM activities, including grant administration (as well as IRWM Plan update activities and other activities not within the scope of this grant). The District will continue to allocate funding to conduct IRWM administration activities each year. **Table 2-17** contains the project budget for the Work Plan tasks.

The following sections provide additional detail about the categories identified in **Table 2-17**.

7.0 Budget Category (a): Direct Project Administration

Task 1. Administration

The project is anticipated to begin immediately upon notification of grant award (October 1, 2013) and be completed by May 9, 2017. The duration of grant administration is through grant completion of the project with the longest project duration, which is the Livestock and Land Program. The project is expected to be complete with final invoicing and grant reporting completed in January 2017. Therefore, the grant administration will continue through May 2017. The total cost for Administration is estimated to be \$80,550.

DWR Grant Agreement and Project Proponent Funding Agreements includes the work necessary to:

- Develop the scope, budget, schedule and other contract documents necessary for executing the DWR Grant Agreement
- Develop the terms and conditions of the funding agreement with each Project Proponent
- Coordinating and meeting with DWR as necessary to negotiate the terms of the grant agreement
- Coordinating with District administrative and legal staff to receive approval for grant agreement approval by the Board of Supervisors
- Preparing for and participation at necessary Board meetings to receive grant agreement approval

This effort is estimated to be 30 hours at a consultant rate of \$185 per hour (\$5,550) and 150 hours of District staff time at a rate of \$125 per hour (\$18,750) based on recent experience with similar DWR grant agreements and six implementation projects are involved. Cost of developing agreements is \$24,300.

⁵ San Luis Obispo County Flood Control and Water Conservation District. “Budget for fiscal Year 2012-2013.” 2013.

Quarterly invoicing is included as a task and budget item for each of the projects. The Grant Administration activity associated with this task is to ensure the quarterly invoices are prepared and submitted to the State as scheduled and in accordance with the grant requirements. This effort is estimated to be 450 hours at a District staff rate of \$125 per hour. The total cost for this activity is \$56,250.

Category and Task		Hourly Rate	No. of Hours	Consultant Labor	Total
				County Staff Labor	
(a)	Task 1 Administration: Agreements	\$185	30	\$5,550	\$24,300
		\$125	150	\$18,750	
(a)	Task 1 Administration: Grant Reimbursement Invoices	\$185	0	\$0	\$56,250
		\$125	450	\$56,250	
TOTAL:				\$80,550	

Task 2. Labor Compliance Program

The labor compliance documentation is included as a task and budget item for each of the projects. The Grant Administration activity associated with this task is to ensure the documentation is submitted to the State in accordance with the grant agreement. This effort is estimated to be 24 hours per project at a District staff rate of \$125 per hour (\$3,000). The total cost for this activity is \$3,000.

Category and Task		Hourly Rate	No. of Hours	Consultant Labor	Total
				District Staff Labor	
(a)	Task 2 Labor Compliance Program: Documentation	\$185	0	\$0	\$3,000
		\$125	24	\$3,000	
TOTAL:				\$3,000	

Task 3. Reporting

This task includes creation of quarterly project reports to be provided to the District that describes the progress and accomplishments for the quarter, the Final Project Completion Report, and the Post Completion Reports (to be submitted annually for ten years of the project's operational life). This is included as a task and budget item for each of the projects.

Quarterly Reporting will be included under this task. The Grant Administration activity associated with quarterly reporting is to ensure the quarterly reports are prepared and submitted to the State as scheduled and in accordance with the grant requirements. This effort is estimated to 450 hours at a District staff rate of \$125 per hour. The total cost for this activity is \$56,250.

Project Completion Reports are included as a task and budget item for each of the projects. The Grant Administration activity associated with this task is to ensure the Project Completion

Reports are prepared in accordance with the grant agreement, the grant distributions are accurately accounted for, and the reports are submitted to the State as scheduled and required. This effort is estimated to be 30 hours at a consultant rate of \$185 per hour (\$5,550) and 100 hours (~ 16 hours per project) at a District staff rate of \$125 per hour (\$12,500). The Project Completion Reports are required in this Proposal and are scheduled to be completed over the span of 2014- 2017 with an estimated budget of \$18,050.

Post-Performance Monitoring Plan and Post Completion Reports are included as a task and budget item for each of the projects. The Grant Administration activity associated with this task is to ensure the Post Performance Monitoring Plans comply with the project assessment and monitoring requirements of the grant agreement. This effort is estimated to be 40 hours at a consultant rate of \$185 per hour (\$7,400) and 48 hours at a District staff rate of \$125 per hour (\$6,000). Additionally, the District will lead the effort to collect and present the performance data in the Post Completion Reports annually. This effort is estimated to be 80 hours per performance report at a District staff rate of \$125 per hour (\$10,000). The total cost for this activity is estimated at \$23,400.

IRWM Grant Completion Report will be the primary responsibility of the District as Grant Administrator. The District will be responsible for completing the Grant Completion Report and ensuring the report is prepared in accordance with the grant agreement, the grant distributions are accurately accounted for, the benefits delivered by each of the projects are documented, the total project costs are presented, and the report is submitted to the State as scheduled and required. This effort is estimated to be 40 hours at a consultant rate of \$185 per hour (\$7,400) and 40 hours at a staff rate of \$125 per hour (\$5,000). This report will not be due until after all of the projects, grant invoicing, and quarterly reporting has been completed. The total cost of the report is estimated at \$12,400.

General DWR and Project Sponsor Coordination levels will fluctuate throughout the term of the grant agreement but are estimated to require approximately 200 hours at a staff rate of \$125 per hour (\$25,000). These activities may include responding to requests for information from DWR, providing grant updates to project sponsors and the Board of Supervisors, and general coordination activities associated with the grant. The total cost estimate is \$25,000.

Costs associated with Tasks 1, 2 and 3 are included in the project cost funding match. The District estimates that approximately \$69,000 will be spent in the initial year upon notification of grant award, whereas the three years after are estimated at \$50,000 each. Grant funding is being requested for this task.

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Category and Task		Hourly Rate	No. of Hours	Consultant Labor	Total
				County Staff Labor	
(a)	Task 3 Reporting: Quarterly Reports	\$185	0	\$0	\$56,250
		\$125	450	\$56,250	
(a)	Task 3 Reporting: Final Project Completion Reports	\$185	30	\$5,550	\$18,050
		\$125	100	\$12,500	
(a)	Task 3 Reporting: Project Performance Monitoring Reports	\$185	40	\$7,400	\$13,400
		\$125	48	\$6,000	
(a)	Task 3 Reporting: Project Post Completion Report	\$185	0	\$0	\$10,000
		\$125	80	\$10,000	
(a)	Task 3 Reporting: Grant Completion Report	\$185	40	\$7,400	\$12,400
		\$125	40	\$5,000	
TOTAL:					\$110,100

Table 2-17. Project Budget for the IRWM Implementation Grant Administration

Proposal Title: San Luis Obispo Regional Integrated Water Management Proposal					
Project Title: IRWM Implementation Grant Administration					
Project serves a need of a DAC?		<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Funding Match Waiver Request?		<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
		(a)	(b)	(c)	(d)
	Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Project Cost
(a)	Direct Project Administration	\$57,016	\$161,634	\$0	\$218,650
(b)	Land Purchase/ Easement	\$0	\$0	\$0	\$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$0	\$0	\$0	\$0
(d)	Construction/ Implementation	\$0	\$0	\$0	\$0
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$0	\$0	\$0	\$0
(f)	Construction Administration	\$0	\$0	\$0	\$0
(g)	Other Costs	\$0	\$0	\$0	\$0
(h)	Construction/ Implementation Contingency	\$0	\$0	\$0	\$0
(i)	Grand Total (sum rows (a) through (h) for each column)	\$57,016	\$161,634	\$0	\$218,650
<p>*List sources of funding (for Non-State Share AND Other State Fund Share): District General Fund (“IRWM Efforts”)</p> <p>The source of the Non-State cost share (Funding Match) is District General Fund tax revenue. The allocation of the revenue for IRWM efforts is approved annually by the District Board of Supervisors.</p>					

EXHIBITS

Exhibit 4a. The Land Conservancy's Conservation Easement Annual Stewardship Cost Spreadsheet

Reserved Funds Required for Conservation Easement

CONSERVATION EASEMENT ANNUAL STEWARDSHIP COSTS

<i>Item</i>	<i>Quantity</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Total Cost</i>
Monitoring (Easement Stewardship and Defense Account)				
<i>Task 1: Pre-monitoring preparations</i>				
Conservation Director	1	Hours	\$ 50.00	\$ 50.00
Postage	1	Letter	\$ 0.45	\$ 0.45
<i>Subtotal</i>				\$ 50.45
<i>Task 2: On-site monitoring</i>				
Conservation Director	8	Hours	\$ 50.00	\$ 400.00
Conservation Project Manager	8	Hours	\$ 45.00	\$ 360.00
Mileage	60	Miles	\$ 0.555	\$ 33.30
<i>Subtotal</i>				\$ 793.30
<i>Task 3: Post monitoring reporting and correspondence</i>				
Executive Director	2	Hours	\$ 60.00	\$ 120.00
Conservation Director	6	Hours	\$ 50.00	\$ 300.00
Conservation Project Manager	8	Hours	\$ 45.00	\$ 360.00
Photo Printing	24	Pictures	\$ 2.50	\$ 60.00
Postage	1	Packet	\$ 1.50	\$ 1.50
<i>Subtotal</i>				\$ 841.50
<i>Task 4: File Management</i>				
Conservation Project Manager	1	Hours	\$ 45.00	\$ 45.00
<i>Subtotal</i>				\$ 45.00
Monitoring Total				\$ 1,730.25
Aerial Monitoring				
Chartered flight	4	Hours	\$ 500.000	\$ 2,000.00
<i>Multiplied by Likelihood of Occuring in One Year</i>	0.20	Percent	\$ 2,000.00	\$ 400.00
Reserved Rights (Easement Stewardship and Defense Account)				
Executive Director	12	Hours	\$ 60.00	\$ 720.00
Conservation Director	24	Hours	\$ 50.00	\$ 1,200.00
Conservation Project Manager	8	Hours	\$ 45.00	\$ 360.00
Mileage (per trip)	180	Miles	\$ 0.555	\$ 99.90
<i>Subtotal</i>				\$ 2,379.90
<i>Multiplied by Likelihood of Occuring in One Year</i>	0.10	Percent	\$ 2,379.90	\$ 237.99
Easement Violations (Conservation Easement Defense CD)				
Executive Director	16	Hours	\$ 60.00	\$ 960.00
Conservation Director	40	Hours	\$ 50.00	\$ 2,000.00
Conservation Project Manager	8	Hours	\$ 45.00	\$ 360.00
Terraforma Insurance Deductible	1	Deductible	\$ 5,000.00	\$ 5,000.00
Terraforma Insurance Annual Rate per Easement	1	easement	\$ 60.00	\$ 60.00
Photo Processing	24	Pictures	\$ 2.50	\$ 60.00
Postage	1	Packet	\$ 1.50	\$ 1.50
Mileage	150	Miles	\$ 0.555	\$ 83.25
<i>Subtotal</i>				\$ 8,524.75
<i>Multiplied by Likelihood of Occuring in One Year</i>	0.05	Percent	\$ 8,524.75	\$ 426.24
TOTAL				\$ 2,794.48
RESERVED FUNDS NEEDED FOR ANNUAL COSTS				
Annual Rate of Return	0.03	Percent	\$ 93,149.25	\$ 2,794.48