



Inyo-Mono

INTEGRATED REGIONAL WATER MANAGEMENT PROGRAM

# Inyo-Mono IRWM Water Supply, Reliability, and Conservation Implementation Proposal

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## Attachment 4. Budget

Proposal Budget

Table 9 – Proposal Budget					
<b>Proposal Title: Inyo-Mono IRWM Water Supply, Reliability, and Conservation Implementation Proposal</b>					
Individual Project Title	(a)	(b)	(c)	(d)	(e)
	Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match)	Cost Share: Other State Funding Sources	Total Cost	% Funding Match (Col b/Col d)
(a) Bishop Paiute Tribe Irrigation, Domestic Water, and Wastewater Conservation Plans	\$186,712.00	\$ -	\$ -	\$186,712.00	
(b) June Lake Public Utility District Uranium Removal Plant	\$145,800.00	\$48,850.00	\$ -	\$194,650.00	<b>0.25</b>
(d) Amargosa Basin Water, Ecosystem Sustainability, and Disadvantaged Community Project	\$492,053.00	\$195,000.00	\$ -	\$687,053.00	<b>0.28</b>
(d) Big Pine Tribal Fire Hydrant Replacement Project	\$225,300.00	\$ -	\$ -	\$225,300.00	
(e) Ridgecrest Cash-for-Grass Landscape Rebate Incentive Program	\$322,000.00	\$167,800.00	\$ -	\$489,800.00	<b>0.34</b>
(f) Recycled Water for Restoration & Community Projects in Big Pine	\$280,234.42	\$ -	\$ -	\$280,234.42	
(g) Overall Grant Administration	\$164,843.40	\$ -	\$ -	\$164,843.40	
(h) Proposal Total <i>Sum rows (a) through (d) for each column</i>	\$1,816,942.82	\$411,650.00	\$ -	\$2,228,592.82	<b>0.18</b>
(i) DAC Funding Match Waiver Total <i>Sum column (d) only for projects seeking DAC funding match waiver in rows (a) through (d)</i>	\$ -	\$ -	-	\$692,246.42	
(j) Grand Total <i>Subtract row (f) from row (e) for column (d) and recalculate column (e)</i>	-	-	-	\$1,536,346.40	<b>0.27</b>

**Project 1. Grant Administration**

**Implementing Agency: Desert Mountain Resource Conservation & Development**

<b>Table 8 – Project Budget</b>					
<b>Proposal Title: Inyo-Mono IRWM Water Supply, Reliability, and Conservation Implementation Proposal</b>					
<b>Project Title: Desert Mountain RC&amp;D Grant Administration</b>					
Project serves a need of a DAC?: Yes <input checked="" type="checkbox"/> No					
Funding Match Waiver request?: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Category	(a)	(b)	(c)	(d)	
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	
<b>Category (a) Direct Project Administration</b>					
Task 1: Operations	\$33,066.80	\$ -	\$ -	<b>\$33,066.80</b>	
Task 2: Agreement Administration	\$20,299.80	\$ -	\$ -	<b>\$20,299.80</b>	
Task 3: Invoicing	\$77,938.00	\$ -	\$ -	<b>\$77,938.00</b>	
Task 4: Progress Reports and Completion Reports	\$28,243.20	\$ -	\$ -	<b>\$28,243.20</b>	
Task 5: Marketing & Publicity	\$5,295.60	\$ -	\$ -	<b>\$5,295.60</b>	
<b>Total Project Administration</b>	<b>\$164,843.40</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$164,843.40</b>	
<b>Category (b) Land Purchase/Easement</b>					
No tasks/costs					
<b>Category (c) Planning/Design/Engineering/Environmental Documentation</b>					
No tasks/costs					
<b>Category (d) Construction/Implementation</b>					
No tasks/costs					
<b>(e)</b>	<b>Grand Total (Sum rows (a) through (d) for each column)</b>	<b>\$164,843.40</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$164,843.40</b>

**Budget Justification**

Desert Mountain Resource Conservation & Development Council (DMRC&D) will act as grantee for the Round 3 Implementation Grant for the Inyo-Mono Integrated Regional Water Management Program (IRWMP), funded by the Department of Water Resources (DWR) through Proposition 84. DMRC&D will administer grant funds for up to six (6) implementation projects. In addition to project funding, monies will be allocated for DMRC&D to act as fiscal agent, manage the projects, provide DWR with accurate reporting, and ensure effective disbursement of the grant and record of project impacts.

## **Category (a): Direct Project Administration**

### Task 1. Operations

Costs for this task include DMRC&D staff time (Project Manager and Administrative Assistant) to communicate with project proponents, maintain a record of project progress, ensure deadlines are met, and develop/educate on procedures for effective grant disbursement (such as file share protocol) (\$15,886.80). Project Manager wages are \$30.00/hour at 200 hours and Administrative Assistant wages are \$15.00/hour at 500 hours. Employer taxes, including workman's compensation, social security, and medicare, are included as well.

Further costs include office expenses, including the purchase of a new workstation for administrative use, a computer, supplies (paper, ink, etc), and postage (\$7,580). In addition, a portion of office rent and utilities has been included in the budget, proportional to the amount of work IRWMP represents compared to the total DMRC&D workload (\$12,000).

### Task 2. Agreement Administration

Costs for this task include DMRC&D staff time (Project Manager and Administrative Assistant) to conduct periodic meetings, develop reports on progress, development and implementation of reporting procedures, ensure environmental standard compliance, act as liaison between project proponents and DWR, and monitor the progress of each project (\$20,299.80). Project Manager wages are \$30.00/hour at 450 hours and Administrative Assistant wages are \$15.00/hour at 250 hours. Employer taxes, including workman's compensation, social security, and medicare, are included as well.

### Task 3. Invoicing

Costs for this task include DMRC&D staff time (Accountant and Project Manager) to develop financial templates for invoices and recording, track the movement of monies between DMRC&D accounts, invoice DWR for project costs, develop a quarterly report narrative, and provide financial assistance to all project proponents (\$70,608.00). Accountant wages are \$40.00/hour for 1,350 hours and Project Manager wages are \$30.00/hour for 200 hours. Employer taxes, including workman's compensation, social security, and medicare, are included as well.

Further costs include a reserve fund for audit services and CPA assistance in the event of a formal audit (\$7,200). In addition, money has been set aside for the purpose of new checks specific to the implementation fund and corresponding DMRC&D accounts (\$130).

### Task 4. Progress Reports and Completion Reports

Costs for this task include DMRC&D staff time (Project Manager and Administrative Assistant) to prepare a monthly progress report based on conference calls and other meetings, development and submission of quarterly progress reports, development and submission of project completion reports, and development and submittal of the grant completion report. Interim reports may also be included, meaning updates to DWR and clarification on reports and invoices submitted to DWR (\$28,243.20). Project Manager wages are \$30.00/hour at 500 hours and Administrative Assistant

wages are \$15.00/hour at 600 hours. Employer taxes, including workman's compensation, social security, and medicare, are included as well.

Task 5. Marketing & Publicity

Costs for this task include DMRC&D staff time (Project Manager and Administrative Assistant) to develop web presence for project marketing, create artwork or signage for projects as needed, develop language or outreach for any public notifications or public service announcements required, and coordinate any site visits by DWR or other regulatory/government agencies (\$5,295.60). Project Manager wages are \$30.00/hour at 100 hours and Administrative Assistant wages are \$15.00/hour at 100 hours. Employer taxes, including workman's compensation, social security, and medicare, are included as well.

**Project 2. Bishop Paiute Tribe Irrigation, Domestic Water, and Wastewater Conservation Plans**

**Implementing Agency: Bishop Paiute Tribe**

<b>Table 8 – Project Budget</b>					
<b>Proposal Title: Inyo-Mono IRWM Water Supply, Reliability, and Conservation Implementation Proposal</b>					
<b>Project Title: Bishop Paiute Tribe Irrigation, Domestic Water, and Wastewater Conservation Plans</b>					
Project serves a need of a DAC?: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Funding Match Waiver request?: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Category	(a)	(b)	(c)	(d)	
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	
<b>Category (a) Direct Project Administration</b>					
	Task 1: Project Management	\$2,610.00	\$ -	\$ -	<b>\$2,610.00</b>
	Task 2: Labor Compliance Program	\$998.00	\$ -	\$ -	<b>\$998.00</b>
	Task 3: Grant Administration	\$5,043.00	\$ -	\$ -	<b>\$5,043.00</b>
	<b>Total Project Administration</b>	<b>\$8,651.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$8,651.00</b>
<b>Category (b) Land Purchase/Easement</b>					
No tasks/costs					
<b>Category (c) Planning/Design/Engineering/Environmental Documentation</b>					
	Task 4: Environmental Documentation	\$61.00	\$ -	\$ -	<b>\$61.00</b>
	Task 5: Project Performance Monitoring Plan	\$ -	\$ -	\$ -	<b>\$ -</b>
	Task 6: Irrigation Conservation Plan	\$21,000.00	\$ -	\$ -	<b>\$21,000.00</b>
	Task 7: Domestic Water Conservation Plan	\$116,000.00	\$ -	\$ -	<b>\$116,000.00</b>
	Task 8: Wastewater Conservation Plan	\$31,000.00	\$ -	\$ -	<b>\$31,000.00</b>
	Task 9: Rate Structure Analysis	\$10,000.00	\$ -	\$ -	<b>\$10,000.00</b>
	<b>Total Planning/Design/Engineering/Environmental Documentation</b>	<b>\$178,061.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$178,061.00</b>
<b>Category (d) Construction/Implementation</b>					
No tasks/costs					
<b>(e)</b>	<b>Grand Total (Sum rows (a) through (d) for each column)</b>	<b>\$186,712.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$186,712.00</b>
*List sources of funding: N/A					

## ***Budget Justification***

The budget shown is reasonable and is based on current available information. A full DAC funding match waiver is being requested.

### **Category (a): Direct Project Administration**

Direct project administration costs equal \$7,656, or 4.3% of the project total. Costs are based on estimated number of hours for this task at current staff hourly rates plus fringe rate of 33% of the hourly rate. Fringe includes employee benefits and workers' compensation. This cost is more economical than contractual rates for similar work.

#### **Task 1. Project Management**

Total project management costs equal \$2,610. The Public Works Director will oversee the management of the project. This expense consists of 60 hours of staff time for the Public Works Director at \$32.70/hour plus fringe rate of 33% of the hourly rate.

#### **Task 2. Labor Compliance Program**

The cost for this task is \$998.00, which is made up of 10 hours of the Public Works Director's staff time at \$32.70/hour + fringe (\$435.00) and 15 hours of the Fiscal Specialist's staff time at \$28.84/hour + fringe (\$563).

#### **Task 3. Grant Administration**

Staff time in this task will consist of preparing quarterly progress reports and invoices, and preparing the final project report. This task also includes staff time associated with the development of the grant application and a 1% contribution to the IRWM Program Office for proposal coordination services. The staff hours allocation will be as follows: Program Planner at 20 hours @ \$39.65/hour + fringe = \$1055; Public Works Director at 18 hours @ \$32.70/hour + fringe = \$783; Fiscal Specialist at 10 hours @ \$28.84/hour + fringe = \$384; Program Planner II at 19.5 hours @ \$39.65/hour + fringe = \$1028. The 1% contribution to the IRWM Program Office is \$1,789. Total task cost is \$5,043 (with rounding error).

### **Row (b): Land Purchase/Easement**

No land acquisition activities are required for implementation of this project.

### **Row (c): Planning/Design/Engineering/Environmental Documentation**

#### **Task 4. Environmental Documentation**

The Bishop Paiute Tribe Public Works Administrative Assistant will submit the Tribal Environmental Protection Ordinance (TEPO) application for project. This will require two hours of the Administrative Assistant's time at \$22.93/hour + fringe = \$61.00.

#### **Task 5. Project Performance Monitoring Plan**

Because this project is a planning-only project that solely benefits a disadvantaged community, the proponent is not required to develop a project performance monitoring plan. The tasks of the grant agreement work plan, together with the budget and schedule, will be used to track project progress through to completion. The work of tracking task-by-task progress will occur through the Grant

Administration task (Task 3), and therefore there are no costs associated with this task.

Task 6. Irrigation Conservation Plan

Task 7. Domestic Water Conservation Plan

Task 8. Wastewater Conservation Plan

Costs for Tasks 6, 7, and 8 are fixed and are based on estimates by the former Tribe's Public Works Director who is knowledgeable on the Tribal irrigation, domestic water, and wastewater systems and engineering requirements for comparable projects. These tasks will be contracted out to one or more qualified civil engineers. The Tribe's current Public Works Director, past Public Works Director, Program Planner, and Water Operator met several times in September 2014 to determine the tasks needed to conduct a comprehensive study of the Tribe's water systems. Tasks include all field and office work, including reports on analyses and planning. Use of a contractor is necessary due to engineering requirements and special expertise. The estimates are as follows: Irrigation Conservation Plan - \$21,000; Domestic Water Conservation Plan - \$116,000; Wastewater Conservation Plan - \$31,000.

Task 9. Rate Structure Analysis

The rate structure analysis, which includes a rate study of the domestic water and wastewater systems, an investigation of potential rate structures, public hearings, and implementation of rate structures, will be conducted by a qualified contracted civil engineer and is estimated to cost \$10,000.

**Row (d): Construction/Implementation**

No activities will occur in this category.



**Project 3: June Lake Public Utility District Uranium Removal Plant**

**Implementing Agency: June Lake Public Utility District**

<b>Table 8 – Project Budget</b>					
<b>Proposal Title: Inyo-Mono IRWM Water Supply, Reliability, and Conservation Implementation Proposal</b>					
<b>Project Title: June Lake Public Utility District Uranium Removal Plant</b>					
Project serves a need of a DAC?: Yes No X					
Funding Match Waiver request?: Yes No X					
Category	(a)	(b)	(c)	(d)	
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	
<b>Category (a) Direct Project Administration</b>					
Task 1: Project Management	\$3,600.00	\$1,500.00	\$ -	\$5,100.00	
Task 2: Labor Compliance Program	\$1,000.00	\$250.00	\$ -	\$1,250.00	
Task 3: Grant Administration	\$3,500.00	\$1,500.00	\$ -	\$5,000.00	
<b>Total Project Administration</b>	<b>\$8,100.00</b>	<b>\$3,250.00</b>	<b>\$ -</b>	<b>\$11,350.00</b>	
<b>Category (b) Land Purchase/Easement</b>					
No costs					
<b>Category (c) Planning/Design/Engineering/Environmental Documentation</b>					
Task 4: Permitting	\$1,700.00	\$400.00	\$ -	\$2,100.00	
Task 5: Planning/Design	\$2,300.00	\$600.00	\$ -	\$2,900.00	
Task 6: Environmental Documentation/CEQA	\$1,500.00	\$700.00	\$ -	\$2,200.00	
Task 7: Permitting/Engineering	\$5,000.00	\$1,500.00	\$ -	\$6,500.00	
Task 8: Project Performance Monitoring Plan	\$4,000.00	\$1,000.00	\$ -	\$5,000.00	
<b>Total Planning/ Design/ Engineering/ Environmental Documentation</b>	<b>\$14,500.00</b>	<b>\$4,200.00</b>	<b>\$ -</b>	<b>\$18,700.00</b>	
<b>Category (d) Construction/Implementation</b>					
Task 9: Construction Implementation	\$122,000.00	\$41,000.00	\$ -	\$163,000.00	
Task 10: Construction Administration	\$1,200.00	\$400.00	\$ -	\$1,600.00	
<b>Total Construction/ Implementation</b>	<b>\$123,200.00</b>	<b>\$41,400.00</b>	<b>\$ -</b>	<b>\$164,600.00</b>	
<b>(e) Grand Total (Sum rows (a) through (d) for each column)</b>	<b>\$145,800.00</b>	<b>\$48,850.00</b>	<b>\$ -</b>	<b>\$194,650.00</b>	
*List sources of funding: <i>District Property Taxes and Interest Income</i>					

## *Budget Justification*

### **Category (a): Direct Project Administration**

#### Task 1. Project Management

This task will be inclusive of all labor associated with Project Management. June Lake PUD staff will be the General Manager and O&M Superintendent. This task includes administrative responsibilities associated with the project such as coordinating and managing consultants and contractors. District staff will be the primary interface with all contractors and construction activities. The District General Manager will spend 61 hours at a rate of \$43.94/hour for a total of \$2,688, and the O&M Superintendent will spend 60 hours at a rate of \$40.21/hour, for a total of \$2,412. District General Manager has expended approximately 18 hours on Task 1 since September 2014.

#### Task 2. Labor Compliance Program

June Lake PUD operates under a labor compliance program that is compliant with Labor Code 1771.5(b). Furthermore the District will ensure measures are taken to be in compliance with applicable California Labor Code requirements for all contracted services as it applies to this project. The District General Manager will spend 28 hours on this task at a rate of \$43.94/hour for a total of \$1,250.

#### Task 3. Grant Administration

June Lake PUD staff will prepare all quarterly progress reports and final report detailing work completed, working in conjunction with the grantee. The District General Manager will spend 78 hours on the task at a rate of \$43.94/hour for a total of \$5,000. This task also includes a 1% contribution to the IRWM Program Office for proposal coordination services, which for this project totals \$1,587.

### **Category (b): Land Purchase/Easement**

No tasks will be required in this category.

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

#### Task 4. Permitting

On May 19, 2015, the June Lake PUD submitted Form SF299 to the U.S. Forest Service requesting an amendment to the existing Use Permit for this project to allow for the installation and operation of the Uranium Treatment Skid. It is expected that there will be further discussions with the U.S. Forest Service before the amended use permit is issued. The District General Manager will spend a total of 48 hours on this task at a rate of \$43.94/hour for a total of \$2,100.

#### Task 5. Planning/Design

The District General Manager will work with the contractor to ensure the equipment purchased is sufficient for the project and to work with sales consultants in the positioning of the pod. The General Manager will spend 66 hours on this task at a rate of \$43.94/hour for a total of \$2,900.

#### Task 6. Environmental Documentation/CEQA

This task will include the time required to file the CEQA Notice of Exemption and to coordinate with the U.S. Forest Service in preparing the NEPA Categorical Exclusion. It is estimated the General Manager will spend 50 hours on the task at a rate of \$43.94/hour for a total of \$2,200.

#### Task 7. Permitting/Engineering

Both the General Manager and O&M Superintendent will work with SWRCB on amending and submission of the revised operating plan. This task will also include outside engineering consultant efforts for engineering the connection from the ion exchange unit to the existing water supply. The General Manager will spend 20 hours on this task at a rate of \$43.94/hour for a total of \$879; the O&M Superintendent will spend 40 hours on this task at a rate of \$40.21/hour for a total of \$1,608. An engineering consultant will be retained at an estimated hourly rate of \$134.00 for approximately 30 hours for a total of \$4,020.

#### Task 8. Project Performance Monitoring Plan

The District will monitor the project performance daily and quarterly relative to milestones established within the Work Plan and the Project Performance Monitoring Plan (Attachment 2) to ensure the project is on track for expected completion. Staff will track daily treated production from the ion exchange unit to ensure the pod is working properly and will take quarterly grab samples to measure uranium concentration. The project is expected to be complete within 18 months. The General Manager will spend 114 hours on this task at a rate of \$43.94/hour for a total of \$5,000.

### **Category (d): Construction Implementation**

#### Task 9. Construction Implementation

AdEdge will provide contracting services to deliver, unload, place, install, connect power, connect water source, and test cycle for water sample compliance as part of the overall construction process. The total cost of \$163,000 includes the uranium treatment pod @ \$122,000 and all connection fees to the existing water treatment system.

#### Task 10. Construction Administration

The June Lake PUD will have an employee on site during the duration of this project to ensure all construction/placement of equipment is performed in accordance with expected scope of work. The O&M Superintendent is anticipated to spend 39 hours on this task at a rate of \$40.21/hour for a total of \$1,600.

**Project 4: Amargosa Basin Water, Ecosystem Sustainability, and Disadvantaged Community Project**

**Implementing Agency: Amargosa Conservancy**

<b>Table 8 (DWR, 2015) – Project Budget</b>					
<b>Proposal Title: Inyo-Mono IRWM Water Supply, Reliability, and Conservation Implementation Proposal</b>					
<b>Project Title: Amargosa Basin Water, Ecosystem Sustainability and Disadvantaged Community Project</b>					
Project serves a need of a DAC?: Yes					
Funding Match Waiver request?: No					
<b>Category</b>	<b>(a) Requested Grant Amount</b>	<b>(b) Cost Share: Non- State Fund Source* (Funding Match)</b>	<b>(c) Cost Share: Other State Fund Source*</b>	<b>(d) Total Cost</b>	
<b>Category (a) Direct Project Administration</b>					
Task 1: Project Management	\$23,107.00	\$ -	\$ -	\$23,107.00	
Task 2: Labor Compliance Program	\$4,000.00	\$ -	\$ -	\$4,000.00	
Task 3: Grant Administration	\$27,610.00	\$ -	\$ -	\$27,610.00	
<b>Total Project Administration</b>	<b>\$54,717.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$54,717.00</b>	
<b>Category (b) Land Purchase/Easement</b>					
No costs					
<b>Category (c) Planning/Design/Engineering/Environmental Documentation</b>					
Task 4: Permitting and Environmental Documentation	\$10,426.00	\$ -	\$ -	\$10,426.00	
Task 5: Project Performance Monitoring Plan	\$ -	\$ -	\$ -	\$ -	
Task 6: Hydrologic Monitoring	\$55,280.00	\$ -	\$ -	\$55,280.00	
<b>Total Planning/ Design/ Engineering/ Environmental Documentation</b>	<b>\$65,706.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$65,706.00</b>	
<b>Category (d) Construction/Implementation</b>					
Task 7: Groundwater Monitoring Wells	\$176,630.00	\$ -	\$ -	\$176,630.00	
Task 8: Evapotranspiration Investigation*	\$195,000.00	\$195,000.00	\$ -	\$390,000.00	
<b>Total Construction/ Implementation</b>	<b>\$371,630.00</b>	<b>\$195,000.00</b>	<b>\$ -</b>	<b>\$566,630.00</b>	
<b>(i) Grand Total (Sum rows (a) through (h) for each column)</b>	<b>\$492,053.00</b>	<b>\$195,000.00</b>	<b>\$ -</b>	<b>\$687,053.00</b>	
*U.S. Geological Survey matching funds					

## ***Budget Justification***

The total cost associated with the Amargosa River Basin Water, Ecosystem Sustainability, and Disadvantaged Community Project is \$687,053, of which \$492,053 is being requested for grant funding through the IRWM Implementation Grant Program. A funding match of \$195,000 is being provided by the U.S. Geological Survey to match a portion of the work they will be conducting.

### **Category (a): Direct Project Administration**

The total Category (a) amount is \$54,717.

#### **Task 1. Project Management**

Project Management will be conducted by the Amargosa Conservancy and an outside consultant that will manage the more technical aspects of the project. Project Management will last the entire 45 months of the project. Costs include contracting with a drilling contractor, U.S. Geological Survey contracting and coordination, and analytical laboratory and equipment vendor contracting as needed. Amargosa Conservancy staff will include the Conservation Program Manager at 225 hours x \$25/hour = \$5,625; and the Executive Director at 100 hours x \$40/hour = \$4,000. The outside project manager will work 100 hours @ \$135/hour = \$13,500.

#### **Task 2. Labor Code Compliance**

The outside project manager will also handle labor compliance for the project, which will required approximately 30 hours @ \$135/hour = \$4,000.

#### **Task 3. Grant Administration**

Amargosa Conservancy staff will oversee grant administration. Costs include the preparation of quarterly progress reports and invoices and preparation of a final report as specified in the Grant Agreement and described in detail in the work plan. Amargosa Conservancy staff will include the Conservation Program Manager at 480 hours x \$25/hour = \$12,000; and the Executive Director at 225 hours @ \$40/hour = \$9,000. Office supplies used for grant administration, including but not limited to, printer paper, printer toner, postage, pens, and notebooks, will cost \$1,735. A 1% contribution of \$4,871 was provided to the IRWM Program Office for proposal coordination services.

### **Category (b): Land Purchase/Easement**

No tasks will be required in this category.

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

The total Category (c) amount is \$10,426.

#### **Task 4. Permitting and environmental documentation**

A CalTrans encroachment permit has already been obtained for one of the monitoring well locations. Additionally, Amargosa Conservancy's experience with past monitoring well construction on BLM land is that these are categorically exempt from NEPA and that the NEPA

process will therefore be efficient and economical. The BLM has supported the well installation program, and an access agreement already exists for one of the monitoring wells. Well permits from the County of Inyo will also be required. This work will be contracted to a consulting hydrologist firm, which will use the following staff: Principal Hydrologist at 10 hours @ \$160/hour = \$1,600; Senior Hydrologist at 46 hours @ \$135/hour = \$6,210; Field Assistant at 10 hours @ \$80/hour = \$800. Six Inyo County well permits will be required at \$140 each = \$840. Two CalTrans encroachment permits will be required at \$492 each = \$984.

#### Task 5. Project Performance Monitoring Plan

Because a specific monitoring plan is not required for this project, the work to track progress for this project will occur through the development of the quarterly progress reports (Task 3). Therefore, the costs to perform this task will also be realized within Task 3.

#### Task 6. Hydrologic Monitoring

All hydrologic monitoring, including seeps and springs surveys, river gaging, and groundwater elevation monitoring, will be performed by a California Professional Geologist and Certified Hydrogeologist accompanied by a field technician. There will be three events of seeps/springs/river surveys. Transducers in newly-installed wells will be checked and downloaded on a monthly basis for the first two months following their installation. Bimonthly monitoring will continue for one year following the installation, and then seasonal monitoring thereafter. Principal Hydrologist: 80 hours @ \$160/hour = \$12,800; Senior Hydrologist: 200 hours @ \$135/hour = \$27,000; Field Assistant: 193.5 hours @ \$80/hour = \$15,480.

#### **Category (d): Construction/Implementation**

The total Category (d) amount is \$621,910.

#### Task 7. Groundwater Monitoring Wells

The costs for this task include the completion of all technical work for monitoring well construction including driller's costs, drilling by a California-licensed geologist, laboratory costs, and other equipment costs. The drilling contractor will cost \$129,710, and well development will cost \$8,700. The exact drilling costs are not known at this time, as in most of the areas, the depth to groundwater has been estimated but data are lacking. Therefore, drilling and associated drilling oversight costs may vary but will not exceed the figure above. Other costs include laboratory analysis (\$2,100) and transducers and data loggers for each well (\$3,000 ea. x 6 wells = \$18,000). Personnel time will include Principal Hydrologist: 6 hours @ \$160/hour = \$960; Senior Hydrologist: 120 hours @ \$135/hour = \$16,200; Field Assistant: 12 hours @ \$80/hour = \$960

#### Task 8. Evapotranspiration Investigation

The entirety of this task (\$390,000, half of which is being provided as match by the U.S. Geological Survey) will be conducted by the USGS. The cost of USGS labor will be \$350,600 (labor rates were not available at the time of application). Isotope analysis will cost \$24,400, and the final report will cost \$15,000.

**Project 5: Big Pine Tribal Fire Hydrant Replacement Project**

**Implementing Agency: Big Pine Paiute Tribe of the Owens Valley**

<b>Table 8 – Project Budget</b>					
<b>Proposal Title: Inyo-Mono IRWM Water Supply, Reliability, and Conservation Implementation Proposal</b>					
<b>Project Title: Big Pine Tribal Fire Hydrant Replacement Project</b>					
Project serves a need of a DAC?: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Funding Match Waiver request?: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Category	(a)	(b)	(c)	(d)	
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	
<b>Category (a) Direct Project Administration</b>					
Task 1: Project Management	\$9,500.00	\$ -	\$ -	\$9,500.00	
Task 2: Labor Compliance Program	\$4,500.00	\$ -	\$ -	\$4,500.00	
Task 3: Grant Administration	\$6,500.00	\$ -	\$ -	\$6,500.00	
<b>Total Project Administration</b>	<b>\$20,500.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$20,500.00</b>	
<b>Category (b) Land Purchase/Easement</b>					
No costs					
<b>Category (c) Planning/Design/Engineering/Environmental Documentation</b>					
Task 4: Environmental Documentation	\$800.00	\$ -	\$ -	\$800.00	
Task 5: Permitting	\$250.00	\$ -	\$ -	\$250.00	
Task 6: Design	\$525.00	\$ -	\$ -	\$525.00	
Task 7: Project Performance Monitoring Plan	\$2,000.00	\$ -	\$ -	\$2,000.00	
<b>Total Planning/ Design/ Engineering/ Environmental Documentation</b>	<b>\$3,575.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$3,575.00</b>	
<b>Category (d) Construction/Implementation</b>					
Task 8: Construction Team Hiring	\$1,000.00	\$ -	\$ -	\$1,000.00	
Task 9: Project Construction	\$195,325.00	\$ -	\$ -	\$195,325.00	
Task 10: Construction Administration	\$4,900.00	\$ -	\$ -	\$4,900.00	
<b>Total Construction/ Implementation</b>	<b>\$201,225.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$201,225.00</b>	
<b>(e) Grand Total (Sum rows (a) through (d) for each column)</b>	<b>\$225,300.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$225,300.00</b>	
*List sources of funding: <i>Not applicable</i>					

## *Budget Justification*

A full DAC funding match waiver is being requested for this project.

### **Category (a): Direct Project Administration**

#### Task 1. Project Management

This task will include management responsibilities associated with the project such as coordinating with partnering agencies. The Water Program Coordinator will spend 271 hours on this task at a rate of \$35/hour. The total cost of this task shall be \$9,500.

#### Task 2. Labor Compliance Program

This task will assure that the Tribe is abiding by the Tribal Employment Rights Ordinance for project activities on the Big Pine Indian Reservation to satisfy labor compliance. The Water Program Coordinator will spend 128 hours on this task at a rate of \$35/hour. The total cost of this task shall be \$4,500.

#### Task 3. Reporting

This task will manage project agreement with the grantee, including compliance with grant requirements, preparation and submission of quarterly invoices, reports, and supporting documentation. The Water Program Coordinator will spend 122 hours on this task at a rate of \$35/hr. A 1% contribution was provided to the Program Office for proposal coordination services (\$2,230). The total cost of this task shall be \$6,500.

### **Category (b): Land Purchase/Easement**

No land acquisition activities are required for implementation of this project.

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

#### Task 4. Environmental Documentation

This task shall complete environmental documentation needed for project approval. The Water Program Coordinator will spend 20 hours on this task at a rate of \$35/hr. The total cost of this task shall be \$800.

#### Task 5. Permitting

Inyo County Encroachment Permit and Bureau of Indian Affairs Encroachment Permit will be acquired to be allowed to work in County and Bureau of Indian Affairs easements. The total cost for the permits is \$250.

#### Task 6. Design

Designs for the final plans and specifications for this project will be provided by Indian Health Service (IHS). The total cost for completing the designs is \$525. Initial designs were developed by IHS prior to 2011.



#### Task 7. Program Performance Monitoring Plan

This task shall create a program performance monitoring plan. The Water Program Coordinator will oversee the annual hydrant flushing program and will conduct the annual inventory of fires. This staff person will spend 57 hours on this task at a rate of \$35/hour. The total cost of this task shall be \$2,000.

#### **Category (d): Construction/Implementation**

#### Task 8. Construction Team Hiring

This task will hire workers utilizing the Tribal Employment Rights Ordinance skills bank to interview and hire a force account crew to implement construction activities associated with the replacement of fire hydrants for this project. The Water Program Coordinator will spend 25 hours on this task at a rate of \$35/hour. The total cost of this task shall be \$1,000.

#### Task 9. Project Construction

This task shall consist of: mobilization and site preparation, project construction, and performance testing and demobilization. A two person team will be used to replace the fire hydrants. An equipment operator will work 570 hours at a rate of \$65.78/hr and a laborer will work 570 hours at a rate of \$50.08/hr. The cost for labor equals \$66,040. The cost for 38 fire hydrants and associated material (nuts and bolts, concrete, gravel) equals \$120,000. The cost for rental of backhoe and jackhammer equals \$9,285. The total cost of this task is \$195,325.

#### Task 10. Construction Administration

This task includes construction management services provided by the Public Works Director. The Public Works Director will spend 181 hours at a rate of \$27/hr for construction administration. The total cost for construction administration shall be \$4,900.

**Project 6: Ridgecrest Cash-for-Grass Landscape Rebate Incentive Program**

**Implementing Agency: Indian Wells Valley Water District**

<b>Table 8 – Project Budget</b>					
<b>Proposal Title: Inyo-Mono IRWM Water Supply, Reliability, and Conservation Implementation Proposal</b>					
<b>Project Title: Ridgecrest Cash-for-Grass Landscape Rebate Incentive Program</b>					
Project serves a need of a DAC?: Yes    No <b>X</b>					
Funding Match Waiver request?: Yes    No <b>X</b>					
Category	(a)	(b)	(c)	(d)	
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	
<b>Category (a) Direct Project Administration</b>					
Task 1: Project Management	\$ -	\$31,600.00	\$ -	\$31,600.00	
Task 2: Grant Administration	\$ -	\$15,500.00	\$ -	\$15,500.00	
<b>Total Project Administration</b>	<b>\$ -</b>	<b>\$47,100.00</b>	<b>\$ -</b>	<b>\$47,100.00</b>	
<b>Category (b) Land Purchase/Easement</b>					
No costs					
<b>Category (c) Planning/Design/Engineering/Environmental Documentation</b>					
Task 3: Assessment and Evaluation	\$ -	\$ -	\$ -	\$ -	
Task 4: Design/Engineering	\$ -	\$5,000.00	\$ -	\$5,000.00	
Task 5: Project Performance Monitoring Plan	\$ -	\$ -	\$ -	\$ -	
<b>Total Planning/ Design/ Engineering/ Environmental Documentation</b>	<b>\$ -</b>	<b>\$5,000.00</b>	<b>\$ -</b>	<b>\$5,000.00</b>	
<b>Category (d) Construction/Implementation</b>					
Task 6: Construction/Implementation	\$322,000.00	\$60,000.00	\$ -	\$382,000.00	
Task 7: Construction Administration	\$ -	\$55,700.00	\$ -	\$55,700.00	
<b>Total Construction/ Implementation</b>	<b>\$322,000.00</b>	<b>\$115,700.00</b>	<b>\$ -</b>	<b>\$437,700.00</b>	
<b>(e) Grand Total (Sum rows (a) through (d) for each column)</b>	<b>\$322,000.00</b>	<b>\$167,800.00</b>	<b>\$ -</b>	<b>\$489,800.00</b>	

\* The Non-State Funding source for match for this Project will be from the IWWVD water conservation budget

**Budget Justification**

The following text describes how the budget shown is reasonable and based on current available information. The Indian Wells Valley Water District Cash-for-Grass Landscape Rebate Incentive

Program has an estimated total cost of \$489,800.

**Category (a): Direct Project Administration**

Direct project administration costs total \$47,100, which cover individual tasks including Project Management (Task 1) and Grant Administration (Task 2).

Task 1. Project Management

Project Management costs have been estimated based on the Project Manager's salary and benefits totaling \$83.42 per hour and Customer Service staff salaries and benefits averaging \$40.00 per hour. The cost calculation for Project Management totals \$31,600 [(1.5 hours x 191 applicants x \$83.42/hr.) + (1 hour x 191 applicants x \$40.00/hr.)]. All expenses in this category are being provided as cost share.

Task 2. Grant Administration

Grant Administration, which includes materials expenses, totals \$15,500. Grant Administration has been based on the Project Manager's salary and benefits totaling \$83.42 per hour, and it is assumed it will take a half hour to report on each application. The cost calculation for basic reporting totals \$8,000 (0.5 hours x 191 applicants x \$83.42/hr.). Materials expenses total \$6,500 and include but may not be limited to check stock, postage, paper, envelopes, and signs recognizing a yard has been converted. One percent of the original grant request, or \$1,000, was provided to the IRWM Program Office for proposal coordination services. The costs for the Project Performance Monitoring Plan have been included in this task. All expenses in this category are being provided as cost share.

**Category (b): Land Purchase/Easement**

No land acquisition activities are required for implementation of this project.

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

Planning/Design/Engineering/Environmental documentation costs total \$5,000, which covers Design/Engineering (Task 4).

Task 3. Assessment and Evaluation

No costs associated with this task, as the review of other water agencies' landscape incentive programs was performed prior to the date that cost share could be claimed.

Task 4. Design/Engineering

Design/Engineering has a total cost of \$5,000. IWWWD advertised the Cash for Grass Rebate Program in May 2015 by sending all customers a notification letter for a total cost of \$4,789. To date, the District has received 191 applications. All expenses in this category are being provided as cost share.

Task 5. Project Performance Monitoring Plan

The actual monitoring plan is already complete (see Attachment 2). The costs for project progress

monitoring have been incorporated into Task 2 (Grant Administration).

**Category (d): Construction/Implementation**

Construction/Implementation costs total \$437,700, which covers Construction/Implementation (Task 6) and Construction Administration (Task 7).

Task 6. Construction/Implementation

Costs for this task are based on the assumption that \$382,000 in rebates (\$1 per square foot) will be provided throughout the four years of project implementation (project completion expected by December 2018).

Task 7. Construction Administration

Construction Administration will cost \$55,700 and is for pre- and post- inspections, vehicle mileage, materials and contingency. The Inspection costs have been estimated based on the Field Service staff salary and benefits totaling \$44.17 per hour. The cost calculation for Inspections totals \$33,800 (4 hours x 191 applicants x \$44.17/hr.) and \$21,900 for a 15% contingency on total Non-State funded cost share. All expenses in this category are being provided as cost share.

## Project 7: Recycled Water for Restoration and Community Projects in Big Pine

Implementing Agency: Inyo County

<b>Table 8 – Project Budget</b>					
<b>Proposal Title: Inyo-Mono IRWM Water Supply, Reliability, and Conservation Implementation Proposal</b>					
<b>Project Title: Recycled Water for Restoration and Community Projects in Big Pine</b>					
Project serves a need of a DAC?: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Funding Match Waiver request?: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Category	(a)	(b)	(c)	(d)	
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	
<b>Category (a) Direct Project Administration</b>					
Task 1: Project Management	\$3,909.38	\$ -	\$ -	\$3,909.38	
Task 2: Labor Compliance Program	\$ -	\$ -	\$ -	\$ -	
Task 3: Grant Administration	\$9,024.53	\$ -	\$ -	\$9,024.53	
<b>Total Project Administration</b>	<b>\$12,933.91</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$12,933.91</b>	
<b>Category (b) Land Purchase/Easement</b>					
No costs					
<b>Category (c) Planning/Design/Engineering/Environmental Documentation</b>					
Task 4: Feasibility Study	\$51,734.04	\$ -	\$ -	\$51,734.04	
Task 5: CEQA/NEPA Documentation	\$132,324.46	\$ -	\$ -	\$132,324.46	
Task 6: Agency, Stakeholder, and Public Review	\$2,446.80	\$ -	\$ -	\$2,446.80	
Task 7: Improvement Plan	\$80,795.21	\$ -	\$ -	\$80,795.21	
Task 8: Project Performance Monitoring Plan	\$ -	\$ -	\$ -	\$ -	
<b>Total Planning/ Design/ Engineering/ Environmental Documentation</b>	<b>\$267,300.51</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$267,300.51</b>	
<b>Category (d) Construction/Implementation</b>					
No costs					
<b>(e) Grand Total (Sum rows (a) through (d) for each column)</b>	<b>\$280,234.42</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$280,234.42</b>	
* There is no match for this project					

### Budget Justification

The total cost associated with the *Recycled Water for Restoration and Community Projects* is \$280,234.42. A full DAC funding match waiver is being requested.

**Category (a): Direct Project Administration**

The total expenses in Category (a) amount to \$12,933.91. These costs include Task 1, *Project Management* (\$3,909.38), Task 2, *Labor Compliance Program* (\$0), and Task 3, *Grant Administration* (\$9,024.53).

Task 1. Project Management

Project management costs are based on 64 hours of work at the Inyo County Program Manager billing rate of \$61.17/hr. Duties will include the process of recruiting, selecting, and contracting with an outside consultant to perform the feasibility study and improvement plan.

Task 2. Labor Compliance Program

Costs for labor compliance are covered within the contracting responsibilities within Task 1.

Task 3 Grant Administration

Grant administration costs are based on 105.5 hours of labor, with 60.5 hours at the County Program Manager billing rate of \$61.17/hr, and 45.0 hours at the County Administrative Analyst billing rate of \$48.78/hr. There is a payment to the Inyo Mono IRWM Program Office (\$2,725.09) for proposal assistance and coordination, which is based on 1% of the County's proposal budget.

**Category (b): Land Purchase/Easement**

No land acquisition activities are required for implementation of this project.

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

The total Category (c) cost is \$267,300.51.

Task 4. Feasibility Study

Costs associated with the feasibility study are \$51,734.04 and include \$51,000.00 in engineering contract costs and \$734.00 in County Program Manager support (12 hours at \$61.17/hr.).

Task 5. CEQA/NEPA Documentation

CEQA/NEPA Documentation is estimated to cost \$132,324.46, with \$130,000 for contract services and \$2,324.46 for 38 hours of County Program Manager support at \$61.17/hr.

Task 6. Agency, Stakeholder, and Public Review

Agency, Stakeholder, and Public Review, is estimated to cost \$2,446.80, which includes 40 hours of County Program Manager assistance, at \$61.17/hr.

Task 7. Improvement Plan

The Improvement Plan is estimated to cost \$80,795.21, with \$80,000 allocated for contract engineering services and \$795.21 for 13 hours of Program Manager support at \$61.17/hr.

Contracting cost estimates associated with the feasibility study, CEQA/NEPA documentation, improvement plan, and permitting (Tasks 4, 5, and 7) were informed through personal communications with Kent Neddenriep, P.E., Director of Engineering for ROAnderson's Water/Wastewater Focus Group, and are based on the study, design, engineering, documentation, and permitting for up to three alternative recycled water project proposals with solar energy support. This contract engineering firm has considerable experience with projects similar to the *Recycled Water for Restoration and Community Projects* proposal and has worked extensively in the Inyo-Mono IRWM planning region on various types of planning and construction projects.

Task 8. Project Performance Monitoring Plan

Costs associated with the Project Performance Monitoring Plan are budgeted within Task 3, since the monitoring of the project progress will occur through the preparation of the quarterly grant reports.

**Category (d): Construction/Implementation**

Funding is not requested for Category (d) because construction and implementation are not contemplated in this planning and design study.