



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

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## Attachment 5. Schedule

Proposal

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

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

	2015												2016												2017												2018												2019																								
	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December																											
<b>Project 1: Grant Administration</b>																																																																									
<b>Project 2: Bishop Paiute Tribe Irrigation, Domestic Water, and Wastewater Conservation Plans</b>																																																																									
<b>Project 3: June Lake Public Utility District Uranium Removal Plant</b>																																																																									
<b>Project 4: Amargosa Basin Water, Ecosystem Sustainability, and Disadvantaged Community Project</b>																																																																									
<b>Project 5: Big Pine Tribal Fire Hydrant Replacement Project</b>																																																																									
<b>Project 6: Ridgecrest Cash-for-Grass Landscape Rebate Incentive Program</b>																																																																									
<b>Project 7: Reclaimed Water for Restoration and Community Projects in Big Pine</b>																																																																									



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

Project 2: Bishop Paiute Tribe Irrigation, Domestic Water, and Wastewater Conservation Plans		2015												2016												2017												2018																							
Implementing Agency: Bishop Paiute Tribe																																																													
		April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September																		
<b>Budget Category (a) Direct Project Administration</b>																																																													
Task 1: Project Management																																																													
Task 2: Labor Compliance Program																																																													
Task 3: Grant Administration		█																																																											
<b>Budget Category (b): Land Purchase / Easement</b>																																																													
No tasks																																																													
<b>Budget Category (c): Planning / Design / Engineering / Environmental Documentation</b>																																																													
Task 4: Environmental Documentation																																																													
Task 5: Project Performance Monitoring Plan		█																																																											
Task 6: Irrigation Conservation Plan																																																													
Task 7: Domestic Water Conservation Plan																																																													
Task 8: Wastewater Conservation Plan		█												█												█												█																							
Task 9: Rate Structure Analysis																																																													
<b>Budget Category (d): Construction / Implementation</b>																																																													
No tasks																																																													

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

Project 3: June Lake Public Utility District Uranium Removal Plant																						
Implementing Agency: June Lake Public Utility District																						
	2015						2016															
	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	
<b>Budget Category (a) Direct Project Administration</b>																						
Task 1: Project Management																						
Task 2: Labor Compliance Program																						
Task 3: Grant Administration																						
<b>Budget Category (b): Land Purchase / Easement</b>																						
No tasks																						
<b>Budget Category (c): Planning / Design / Engineering / Environmental Documentation</b>																						
Task 4: Permitting																						
Task 5: Planning/Design																						
Task 6: Environmental Documentation/CEQA																						
Task 7: Permitting/Engineering																						
Task 8: Project Performance Monitoring Plan																						
<b>Budget Category (d): Construction / Implementation</b>																						
Task 9: Construction Implementation																						
Task 10: Construction Administration																						

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

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

**Implementing Agency: Amargosa Conservancy**

		2015												2016												2017												2018												2019											
		April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December															
<b>Budget Category (a) Direct Project Administration</b>																																																													
Task 1: Project Management																																																													
Task 2: Labor Compliance Program																																																													
Task 3: Grant Administration																																																													
<b>Budget Category (b): Land Purchase / Easement</b>																																																													
No tasks																																																													
<b>Budget Category (c): Planning / Design / Engineering / Environmental Documentation</b>																																																													
Task 4: Permitting and Environmental Documentation																																																													
Task 5: Project Performance Monitoring Plan																																																													
Task 6: Hydrologic Monitoring																																																													
<b>Budget Category (d): Construction / Implementation</b>																																																													
Task 7: Groundwater Monitoring Wells																																																													
Task 8: Evapotranspiration Investigation																																																													

Project 5. Big Pine Tribal Fire Hydrant Replacement Project

Project 5: Big Pine Tribal Fire Hydrant Replacement Project													◇								
Implementing Agency: Big Pine Paiute Tribe of the Owens Valley																					
	2015					2016					2017										
	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December
<b>Budget Category (a) Direct Project Administration</b>																					
Task 1: Project Management																					
Task 2: Labor Compliance Program																					
Task 3: Grant Administration																					
<b>Budget Category (b): Land Purchase / Easement</b>																					
No tasks																					
<b>Budget Category (c): Planning / Design / Engineering / Environmental Documentation</b>																					
Task 4: Environmental Documentation																					
Task 5: Permitting																					
Task 6: Design																					
Task 7: Program Performance Monitoring Plan																					
<b>Budget Category (d): Construction / Implementation</b>																					
Task 8: Construction Team Hiring																					
Task 9: Project Construction																					
Task 10: Construction Administration																					



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

Project 7: Recycled Water for Restoration and Community Projects in Big Pine														
Implementing Agency: Inyo County														
	2015				2016				2017				2018	
	April	May	June	July	August	September	October	November	December	January	February	March	January	February
<b>Budget Category (a) Direct Project Administration</b>														
Task 1: Project Management														
Task 2: Labor Compliance Program														
Task 3: Grant Administration	█				█				█				█	
<b>Budget Category (b): Land Purchase / Easement</b>														
No tasks														
<b>Budget Category (c): Planning / Design / Engineering / Environmental Documentation</b>														
Task 4: Feasibility Study														
Task 5: CEQA/NEPA Documentation														
Task 6: Agency, Stakeholder, and Public Review														
Task 7: Improvement Plan														
Task 8: Project Performance Monitoring Plan	█													
<b>Budget Category (d): Construction / Implementation</b>														

## Schedule Narrative

### Overall Proposal

The overall proposal schedule started with the beginning of the Indian Wells Valley Water District Cash-for-Grass Program in March 2015, though planning elements of each project started even earlier and are discussed in the work plan. Because reimbursement for expenses related to the development of this 2015 Implementation funding proposal will be sought, the period of proposal development (April – August 2015) is indicated in each of the project schedules. The project schedules demonstrate that construction bids will be awarded (or the equivalent), or project construction/implementation will be underway, for all projects by April 1, 2016. The project schedules also demonstrate that all projects will be complete by October 31, 2019. Grant administration will continue until the end of 2019, when the overall grant will be completed.

### Project 1. Grant Administration

All of the tasks of the Grant Administration project will last the duration of the grant and will be ready to begin as soon as the grant award is made. The end of Grant Administration will continue two months beyond the last project (to December 31, 2019) in order to wrap up final grant completion reporting tasks.

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

The Bishop Paiute Tribe will be ready to begin the conservation plans project upon announcement of the final grant awards. Upon execution of the contract with the grantee, the Tribe will begin preparing the application for the Tribal Environmental Protection Ordinance and embark upon the process for hiring a civil engineering contractor to prepare the conservation plans. Once those two tasks are complete, the three specific conservation plans can begin. The rate structure analysis will begin later in the project as it will require some of the information gathered through the domestic water and wastewater conservation plans.

### Project 3. June Lake Public Utility District Uranium Removal Plant

The June Lake Public Utility District has already begun working on the permitting, planning/design, and environmental review aspects of the project in anticipation of a successful grant award. This work will continue through the remainder of 2015 and into early 2016 as the District awaits amended permits and approvals on CEQA and NEPA documents. After those approvals are granted (estimated early 2016), construction and placement of the ion exchange unit will begin, which is expected to take about four months. Another few months are required to connect the unit to the existing water supply, get the unit online, and test the unit for proper operations.

### Project 4. Amargosa Basin Water, Ecosystem Sustainability, and Disadvantaged Community Project

As much of the work proposed in this project is a continuation of long-term, ongoing monitoring, work will be ready to start soon after the grant award is made and contracts are drawn up with the grantee. The hydrologist consultant can begin the seasonal hydrology monitoring right away and also begin to work with the U.S. Geological Survey on the evapotranspiration investigation. Amargosa Conservancy staff will begin seeking necessary permits and working with partners to complete environmental documentation for monitoring well installation starting April 1, 2016. That process is expected to take several months, and it is expected that well installation can begin later in 2016.

### Project 5. Big Pine Tribal Fire Hydrant Replacement Project

This project will be ready to start in March 2016 with labor compliance tasks, followed in April by environmental review, final designs, and hiring a construction team (which, for this project, is the equivalent of awarding a construction bid). Project construction will start with mobilization and site preparation in September 2016, and the construction phase should last approximately one year.

### Project 6. Ridgecrest Cash-for-Grass Landscape Rebate Incentive Program

Early research for this program began several years ago as Indian Wells Valley Water District officials looked into programs being implemented by other southwestern-U.S. water agencies such

as the Southern Nevada Water Authority. This particular program went through a planning phase in March-May 2015 and began receiving applications in June 2015. The District will continue to accept applications and work with water customers to replace turf through the end of 2018. The program will be self-sustaining, so to speak, over the next 3.5 years. Three months are added to the end of the project to complete administrative and reporting tasks.

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

This planning project will be ready to begin the process of recruiting a contractor immediately following the final grant award and contracting process with the grantee. It is expected the feasibility study could begin as early as April 2016 and should take approximately three months. After a two-month stakeholder & public review period, the recommended projects would then undergo environmental review, which is expected to take approximately nine months. There is another two-month stakeholder & public review period, and then the projects that continue to move forward go into the improvement planning process, which should last about seven months. There is one final stakeholder & public review period at the very end of the project.