

## **Mojave Integrated Regional Water Management Plan**

### ***Project Identification – Long Form***

To the extent possible this form should be electronically filled out and e-mailed to [chuiner@mojavewater.org](mailto:chuiner@mojavewater.org). Items denoted with an asterisk are required.

#### ***PART 1: LEAD IMPLEMENTING AGENCY/ORGANIZATIONAL INFORMATION***

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**Please provide the following information regarding the project sponsor and proposed project.**

**Implementing Agency/ Organization / Individual: \***

**Agency / Organization / Individual Address:**

**Possible Partnering Agencies:**

**Name: \***

**Title:**

**Telephone: \***

**Fax:**

**Email: \***

**Date form Submitted: \***

**Website:**

**Project Name: \***

**Either the latitude/longitude or a location description is required. To determine the latitude/longitude, use the closest address or intersection. If the project is linear, use the furthest upstream latitude/longitude.**

**Project Latitude:**

**Project Longitude:**

<b>Location Description:</b>	
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**Project Cooperating Agency(ies)/Organization(s)/Individual(s):**

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**Project Status (e.g., new, ongoing, expansion, new phase):**

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**Project Type (e.g., Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program):**

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***PART 2: PROJECT NEED\****

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It is important to understand the need(s) or issue(s) that the proposed project will address and the benefits that it will provide. Information provided in this section defines the need(s) or issue(s) that the proposed project will address and will help to catalog existing need(s) or issue(s) in the Mojave IRWM Region.

Please provide a 1-2 paragraph description of the need(s) or problem(s) that the project will address. As applicable, discuss the water supply need, operational efficiency need, water quality need, or resource stewardship need (e.g. ecosystem restoration, floodplain management) need. Discuss critical impacts that will occur if the proposal is not implemented.

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***PART 3: PROJECT DESCRIPTION\****

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**A general description of the proposed project is needed. This section will provide information associated with the project concept, general project information, and readiness to proceed. It is recognized that much of the requested information may not be available for projects that are at a conceptual level of project development. We appreciate and need your ideas.**

**Please provide a 1-2 paragraph description of the project including the general project concept, what will be constructed/implemented, how the constructed project will function, and treatment methods, as appropriate.**

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**If applicable, list surface water bodies and groundwater basins associated with the proposed project:**

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**Please identify up to three available documents which contain information specific to the proposed project and associated benefits (this information helps determine the technical justification and feasibility):**

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**How do you rate the technical feasibility of the proposed project?**

<input type="checkbox"/> High	The technical feasibility is well-documented and is based on similar successful projects and/or the project uses common and widely accepted technology/practices and/or the project includes or is based on pilot studies or similar results.
<input type="checkbox"/> Medium	The project does not use common or widely accepted technology/practices, but substantial documentation is available on proposed benefits and project success.
<input type="checkbox"/> Low	The project has not been done before and technical feasibility is not adequately documented.

## ***PART 4: IRWM PLAN OBJECTIVES ADDRESSED BY PROJECT \****

**Describe how the project meets any of the following Mojave IRWM Plan Objectives:**

<b>Mojave IRWM Plan Objective</b>	<b>Contribution</b>			<b>Description</b>
1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
9. Improve stormwater management throughout the Plan area.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	

Mojave IRWM Plan Objective	Contribution			Description
13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
5. Optimize the use of the Region’s water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
6. Prevent land subsidence throughout the Region.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	

## ***PART 5: RESOURCE MANAGEMENT STRATEGIES\****

**Please indicate California Water Plan strategies addressed by the proposed project.  
(Check all that apply)**

<b>Reduce Water Demands</b>			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Agricultural Water Use Efficiency
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Urban Water Use Efficiency
<b>Improve Operational Efficiency and Transfers</b>			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Conveyance – Delta, Regional/Local
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	System Reoperation
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Water Transfers
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Other (Please State): _____
<b>Increase Water Supply</b>			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Conjunctive Management and Groundwater Storage
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Desalination – Brackish/Seawater
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Precipitation Enhancement
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Recycled Municipal Water
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Surface Storage – CALFED or Regional/Local
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Other (Please State): _____
<b>Improve Water Quality</b>			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Drinking Water Treatment and Distribution
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Groundwater/Aquifer Remediation
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Matching Quality to Use
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Pollution Prevention
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Salt and Salinity Management
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Urban Runoff Management
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Other (Please State) _____

<b>Practice Resource Stewardship</b>			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Agricultural Lands Stewardship
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Economic Incentives (loans, grants, water pricing)
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Ecosystem Restoration
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Forest Management
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Land Use Planning and Management
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Recharge Areas Protection
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Water-Dependent Recreation
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Watershed Management
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Other (Please State): _____
<b>Improve Flood Risk Management</b>			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Flood Risk Management
<b>Other Strategies</b>			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Please State: _____

<b>Is the proposed project an element or phase of a regional or larger program?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>If yes, please identify the program</b>	_____

## ***PART 6: PROJECT READINESS\****

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<b>Item</b>	<b>Status (e.g., not initiated, in process, complete, N/A)</b>	<b>Expected Completion Date</b>
<b>Conceptual Plans</b>	_____	_____ (mm/dd/yyyy)
<b>Feasibility Study</b>	_____	_____ (mm/dd/yyyy)
<b>Preliminary Design and Cost Estimates</b>	_____	_____ (mm/dd/yyyy)
<b>CEQA/NEPA</b>	_____	_____ (mm/dd/yyyy)
<b>Permits</b>	_____	_____ (mm/dd/yyyy)
<b>Construction Drawings</b>	_____	_____ (mm/dd/yyyy)
<b>Funding</b>	_____	_____ (mm/dd/yyyy)

**For projects that do not include construction, please briefly describe the project's readiness-to proceed.**

**Have funding sources been identified for implementation of the project? Please provide a brief explanation.**



***PART 7: PROJECT BENEFITS\****

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Please provide a 1-2 paragraph description of the benefit(s) that the project will address. Information provided will be used in the assessment of project benefits. Quantify benefits to the extent possible (e.g., project will result in x acre-feet of water savings, project will benefit x acres of habitat)

<p><b>Does the project address environmental justice issues (including helping reduce inequitable distribution of environmental burdens and access to environmental goods)?</b></p> <p><input type="checkbox"/> Yes                      <input type="checkbox"/> No                      <input type="checkbox"/> Not Sure</p>
<p><b>Does the project address critical water issues (including water supply or water quality) of a disadvantaged community?</b></p> <p><input type="checkbox"/> Yes                      <input type="checkbox"/> No                      <input type="checkbox"/> Not Sure</p>
<p><b>Does the project provide specific benefits to critical water issues for Native American tribal communities?</b></p> <p><input type="checkbox"/> Yes                      <input type="checkbox"/> No                      <input type="checkbox"/> Not Sure</p> <p><b>If yes, please identify the tribal community: _____</b></p>

**Please indicate to what extent your project contributes to Climate Change Response Actions.**

<b>Adaptation to Climate Change</b>	
<input type="checkbox"/>	Increases Water Supply Reliability
<input type="checkbox"/>	Advances/ Expands Conjunctive Management of Multiple Water Supply Sources
<input type="checkbox"/>	Increases Water Use and/or Reuse Efficiency
<input type="checkbox"/>	Provides Additional Water Supply
<input type="checkbox"/>	Promotes Water Quality Protection
<input type="checkbox"/>	Reduces Water Demand
<input type="checkbox"/>	Advances/Expands Water Recycling
<input type="checkbox"/>	Promotes Urban Runoff Reuse
<input type="checkbox"/>	Addresses Sea Level Rise
<input type="checkbox"/>	Addresses other Anticipated Climate Change Impact (e.g. through water management system modifications) Please State:
<input type="checkbox"/>	Improves Flood Control (e.g. through wetlands restoration, management, protection)
<input type="checkbox"/>	Promotes Habitat Protection
	<input type="checkbox"/> Establishes Migration Corridors
	<input type="checkbox"/> Re-establishes River-Floodplain Hydrologic Continuity
	<input type="checkbox"/> Re-introduces Anadromous Fish Populations to Upper Watersheds
	<input type="checkbox"/> Enhances and Protects Upper Watershed Forests and Meadow Systems
	<input type="checkbox"/> Other (Please State):
<input type="checkbox"/>	Other (Please State):_____
<b>Reduces Greenhouse Gas Emissions and/or Energy Consumption</b>	
<input type="checkbox"/>	Promotes Energy-Efficient Water Demand Reduction or Increases Water Use Efficiency
<input type="checkbox"/>	Improves Water System Energy Efficiency
<input type="checkbox"/>	Advances/Expands Water Recycling
<input type="checkbox"/>	Promotes Urban Runoff Reuse that Leads to Reduced Energy Demand
<input type="checkbox"/>	Promotes Use of Renewable Energy Sources
<input type="checkbox"/>	Contributes to Carbon Sequestration (e.g. through vegetation growth)
<input type="checkbox"/>	Other (Please State):

***PART 8: PROJECT COST ESTIMATE***

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**Project cost information is needed to assist in comparing benefits and costs. Additionally, knowledge of the project type and cost will assist in identifying funding sources for potential projects.**

**Please indicate the estimated total capital cost for project implementation. These costs include land purchase/easement, planning/design/engineering, construction/implementation, environmental compliance, administration, and contingency.**

Lower estimated total capital cost (\$): \_\_\_\_\_

Upper estimated total capital cost (\$): \_\_\_\_\_

Of the total capital cost, please indicate the estimated cost for land purchase / easement (\$):  
\_\_\_\_\_

Annual Operation and Maintenance Cost (\$): \_\_\_\_\_

Design Life of Project (years): \_\_\_\_\_

**Economic Feasibility**

Is the project cost-effective?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Sure
Does the project have a positive benefit-cost ratio?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Sure