

Mojave Integrated Regional Water Management Plan

Preliminary Draft Mojave IRWM Plan Objectives

Thank you for helping develop the Mojave IRWM Plan. Your input is appreciated and essential to development of a successful and meaningful document. If you would like to provide comments and suggestions to the draft materials presented during Meeting 3, please send your questions, comments, or suggestions to the Plan Development Team by **Friday, June 14, 2013** to comments@mywaterplan.com on the following items (when submitting comments, please submit as a word document or as email text with the handout # or section #, page #, and paragraph # included for each comment.):

Draft Introduction and Region Description Sections (copies are available on the Mojave IRWM Plan website at: <http://www.mywaterplan.com/irwm-plan-documents.html>).

- Does the content shown in the Introduction provide a representative description of the background and stakeholder involvement for the Mojave Region? If no, please describe why you do not believe the information is representative.
- Does the content shown in the Region Description provide a representative description of the current and future conditions for the Mojave Region? If no, please describe why you do not believe the information is representative.
- Are the listed information sources appropriate (meaning are the sources credible, current, and accurate)?
- Would you like to recommend additional data sources? If yes, what are they?

Handout 2: Proposed Process for Project Identification, Screening, Selection, and Prioritization

- Is the proposed process for screening, selecting and prioritizing projects clear?
- Do you have any concerns about the proposed approach?
- If you have concerns, what revisions do you suggest?

Handouts 4 and 4b: Draft Project Submittal Forms

- Is the information requested clear?
- Do you have any questions or suggestions regarding different or additional information that should be included?

Handout 5: Revised Draft Mojave IRWM Plan Objectives

- Do the proposed IRWM Plan Objectives include all of the items that you think the implementation of the IRWM Plan should focus on? If no, what additional objectives or topics do you suggest?
- Do you think the qualitative/quantitative measures for each objective are appropriate and practical? If no, what revisions do you suggest?

Please e-mail your comments on the above materials by **Friday, June 14, 2013** to comments@mywaterplan.com. Please put “Mojave IRWM – Mtg 3 comments” in the subject line. When submitting comments, please submit as a word document or as email text with the handout # or section #, page #, and paragraph # included for each comment.

Proposed Process for Project Identification, Screening, Selection, and Prioritization

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The proposed process used to identify projects to include in the Mojave IRWM Plan includes several steps:

1. Work with stakeholders throughout the Region to identify challenges and opportunities. (Mostly complete – will include input from public meetings.)
2. Based on the challenges and opportunities, develop Plan Objectives that identify the desired integrated water management outcomes for the Region. (Expect to complete after Stakeholder and public meetings in June.)
3. Prioritize the Plan Objectives according to importance and urgency during Stakeholder meeting in June 2013. (Begin prioritization during Stakeholder meeting in June.)
4. Describe water management strategies and desired integration.
5. Describe desired types of project proposals to be considered for inclusion in the Plan.
 - a. Offer matrix that helps project proponents consider relationship to Plan Objectives, Water Management Strategies, and IRWM Program Preferences
 - b. Encourage project proponents to work with other potential project proponents to integrate projects
 - c. Describe criteria that will be used to screen and prioritize projects (see following).
6. Issue a Call for Projects on [pick a date a few weeks after June Stakeholder meeting].
7. Project Proponents complete and submit Project Identification Form by [date].
8. Project Team reviews proposed projects and makes recommendations.
 - a. Project Team compiles a list of submitted projects.
 - b. Project Team reviews proposed projects based on information provided by proponents according to the screening criteria.
 - c. Project Team identifies any proposed projects that do not meet the screening thresholds.
 - d. Project Team ranks the selected projects according to the priorities of the objectives they contribute toward and the other factors listed below.
9. Project Team presents initial recommendations based on results of screening, selection, and prioritization of projects during Stakeholder Meeting in August 2013.
10. Provide project proponents and other stakeholders opportunities for review, clarification, and refinement of proposed projects.

11. Project Team reviews comments, clarifications, and refinements of proposed projects and adjusts recommendations for project inclusion and prioritization as needed. Present recommendations and discuss during Stakeholder Meeting in October 2013.

Screening Criteria

In order to be included in the Mojave IRWM Plan, the proposed project needs to:

1. Contribute toward meeting one or more Plan objectives
2. Appear to be technically feasible
3. Appear to be economically feasible
4. Not cause significant unmitigated negative impacts
5. Have a committed project proponent that has the capacity to implement the project

Prioritization Scheme

The Plan objectives and projects will be ranked according to their *importance* and *urgency* and then grouped into up to four tiers of priority as shown in Figure 1. The “importance” assigned to each objective (or project) reflects the relative significance or consequence of satisfying this objective (or project) as compared to other objectives (or projects) within the Mojave Region. The “urgency” assigned to each objective (or project) reflects the relative degree to which this objective (or project) warrants speedy attention or action as compared to other objectives (or projects).

Urgency	High	Tier 2	Tier 1	Tier 1
	Medium	Tier 3	Tier 3	Tier 2
	Low	Tier 4	Tier 3	Tier 2
		Low	Medium	High
		Importance		

Figure 1 – Prioritization Scheme

Project Review and Prioritization

The projects that pass the screening criteria will be reviewed according to the following factors based on information provided by the project proponents:

1. How the project contributes to the Mojave IRWM Plan Objectives (projects with larger contributions and that address multiple objectives are preferred)
2. How the project is related to resource management strategies (projects that diversify the water management portfolio are preferred)
3. Technical feasibility of the project (projects with more definitive demonstration of technical feasibility are preferred)
4. Specific benefits to critical DAC water issues (projects that help address critical water supply and water quality needs of DACs are encouraged)
5. Specific benefits to critical water issues for Native American tribal communities (projects that help address critical water supply and water quality needs of Native American tribal communities are encouraged)
6. Environmental Justice Considerations (projects that can reduce inequitable distribution of environmental burdens (i.e. pollution, industrial facilities) and access to environmental goods (i.e. clean water and air, parks, recreation, , etc.) are preferred)
7. Project Costs and Financing (projects with well-defined costs and identified funding sources are preferred)
8. Economic Feasibility (projects shown to be either cost-effective or to have a positive benefit-cost ratio are preferred)
9. Project Status (readiness to proceed may influence the priority given)
10. Strategic considerations for IRWM Plan implementation (projects with clear analyses related to the proposed implementation approach and Plan objectives are preferred)
11. Contribution of the project in adapting to the effects of climate change (projects that contribute to adaptations that can lessen the negative impacts of climate change are encouraged)
12. Contribution of the project in reducing GHG emissions as compared to project alternatives (projects that help reduce the GHG emissions in the Region are preferred)

The projects that pass the screening criteria and are reviewed will be assigned a rating for importance and urgency and then placed into up to four tiers of projects as shown in Figure 1. The projects will be assigned a rating for importance and urgency after considering the priority of the objectives that they contribute to and the other factors listed above.

These recommendations for inclusion and priority will be discussed with the Stakeholders to reach broad agreement.

	IRWM PROGRAM PREFERENCES							CALIFORNIA WATER PLAN STRATEGIES																									
	INCLUDE REGIONAL PROJECTS OR PROGRAMS	EFFECTIVELY INTEGRATE WATER MANAGEMENT PROGRAMS AND PROJECTS WITHIN A HYDROLOGIC	EFFECTIVELY RESOLVE SIGNIFICANT WATER-RELATED	CONTRIBUTE TO ATTAINMENT OF ONE OR MORE OF THE OBJECTIVES OF THE CALFED BAY-DELTA PROGRAM	ADDRESS CRITICAL WATER SUPPLY OF WATER QUALITY NEEDS OF DACS WITHIN THE REGION	EFFECTIVELY INTEGRATE WATER MANAGEMENT WITH LAND USE PLANNING	FOR FLOOD MANAGEMENT PROJECTS THAT PROVIDE MULTIPLE BENEFITS	AGRICULTURAL WATER USE EFFICIENCY	URBAN WATER USE EFFICIENCY	CONVEYANCE	SYSTEM REOPERATION	WATER TRANSFERS	CONJUNCTIVE MANAGEMENT AND GROUNDWATER STORAGE	DESALINATION	PRECIPITATION ENHANCEMENT	RECYCLED MUNICIPAL WATER	SURFACE STORAGE – CALFED	SURFACE STORAGE – REGIONAL/LOCAL	DRINKING WATER TREATMENT AND DISTRIBUTION	GW/AQUIFER REMEDIATION	MATCHING WATER QUALITY TO WATER USE	POLLUTION PREVENTION	SALT AND SALINITY MANAGEMENT	URBAN RUNOFF MANAGEMENT	AGRICULTURAL LANDS STEWARDSHIP	ECONOMIC INCENTIVES	ECOSYSTEM RESTORATION	FOREST MANAGEMENT	LAND USE PLANNING AND MANAGEMENT	RECHARGE AREAS PROTECTION	WATER-DEPENDENT RECREATION	WATERSHED MANAGEMENT	FLOOD RISK MANAGEMENT
<p><i>Intent of matrix is to provide a tool to identify objectives for your Region that also meet the intent of the IRWM preferences and standards, and meet California statewide priorities as identified by the California Water Plan.</i></p>																																	
Mojave IRWM Plan Objectives																																	
5.	Optimize the use of the region’s assets to maximize available State Water Project supplies to meet projected demands while mitigating against related risks associated with an increasingly unreliable SWP supply. Assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities within the State Water Project Contract, available physical infrastructure, and management policies																																
6.	Prevent land subsidence throughout the Region.																																
7.	Provide tools to disadvantaged communities to facilitate projects and programs that benefit those communities.																																
8.	Protect and restore sensitive environmental areas in coordination with integrated land use and conservation plans to support stewardship and awareness of environmental resources.																																
9.	Improve stormwater management throughout the Plan area.																																

Mojave Integrated Regional Water Management Plan

Project Identification - Short Form

Note: This two page project identification short form gathers the minimum amount of information required to submit a project for consideration in the IRWM Plan. More information may be required at a later date. This form should be submitted via email BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)				
Project Name:				
Project Sponsor:				
If Joint Project, Other Partners:				
Project Website (if available):				
Project Contact Person:	Phone	FAX	Email	
Project Description				
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)				
Project Description (1 -2 sentences):				
Project Integration (Describe how the project does or could integrate with other projects in the Region):				
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):				
Project Location				
Descriptive (Description of property location etc.):				
Latitude/Longitude - info available at: http://geocoder.us/	Lat:		Long:	
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<\$100K <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/> N/A <input type="checkbox"/>
Estimated Year of Completion:				

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	Y/N:		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	Direct Benefits:		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim. Second.			
<input type="checkbox"/>	<input type="checkbox"/>	Balance average annual future water demands with available supplies throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	Continue improving regional water use efficiency toward demand hardening, exceeding State conservation goals.	
<input type="checkbox"/>	<input type="checkbox"/>	Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input type="checkbox"/>	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 supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	Optimize the use of the region's assets to maximize available State Water Project supplies to meet projected demands while mitigating against related risks associated with an increasingly unreliable SWP supply. Assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities within the State Water Project Contract, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	Prevent land subsidence throughout the Region.	
<input type="checkbox"/>	<input type="checkbox"/>	Provide tools to disadvantaged communities to facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	Protect and restore sensitive environmental areas in coordination with integrated land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	Stakeholders work collaboratively with entities that have a stake in water quality to ensure the preservation of local beneficial uses of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input type="checkbox"/>	Utilize available data and information to assess potential impacts to the Region from climate change and to make planning decisions regarding resource management strategies.	
<input type="checkbox"/>	<input type="checkbox"/>	Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	Increase educational opportunities to improve public awareness of water supply, conservation, and water quality issues throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	Increase the use of recycled water in the region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	Identify reliable funding sources to maintain, improve or replace aging infrastructure systems over time.	
<input type="checkbox"/>	<input type="checkbox"/>	Integrate recreation and public education opportunities with environmental stewardship efforts.	

Statewide Priorities	
<input type="checkbox"/>	Drought Preparedness
<input type="checkbox"/>	Use and Reuse Water More Efficiently
<input type="checkbox"/>	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
<input type="checkbox"/>	Expand Environmental Stewardship
<input type="checkbox"/>	Practice Integrated Flood Management
<input type="checkbox"/>	Protect Surface and Groundwater Quality
<input type="checkbox"/>	Improve Tribal Water and Natural Resources
<input type="checkbox"/>	Ensure Equitable Distribution of Benefits
Program Preferences	
<input type="checkbox"/>	Include Regional Projects or Programs
<input type="checkbox"/>	Effectively Integrate Water Management Programs and Projects within a Hydrologic Region Identified in the CA Water Plan; the RWQCB Region or Subdivision; or Other Region or Sub-Region Specifically Identified by DWR
<input type="checkbox"/>	Effectively Resolve Significant Water-Related Conflicts within or between Regions
<input type="checkbox"/>	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
<input type="checkbox"/>	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
<input type="checkbox"/>	Effectively Integrate Water Management with Land Use Planning
CA Water Plan - Resource Management Strategies	
<input type="checkbox"/>	Agricultural Lands Stewardship
<input type="checkbox"/>	Agricultural Water Use Efficiency
<input type="checkbox"/>	Conjunctive Management and Groundwater Storage
<input type="checkbox"/>	Conveyance - Delta, Regional/Local
<input type="checkbox"/>	Desalination - Brackish & Seawater
<input type="checkbox"/>	Drinking Water Treatment and Distribution
<input type="checkbox"/>	Economic Incentives
<input type="checkbox"/>	Ecosystem Restoration
<input type="checkbox"/>	Flood Risk Management
<input type="checkbox"/>	Forest Management
<input type="checkbox"/>	Groundwater/Aquifer Remediation
<input type="checkbox"/>	Land Use Planning & Management
<input type="checkbox"/>	Matching Water Quality to Water Use
<input type="checkbox"/>	Pollution Prevention
<input type="checkbox"/>	Precipitation Enhancement
<input type="checkbox"/>	Recharge Areas Protection
<input type="checkbox"/>	Recycled Municipal Water
<input type="checkbox"/>	Salt & Salinity Management
<input type="checkbox"/>	Surface Storage - CALFED
<input type="checkbox"/>	Surface Storage - Regional/Local
<input type="checkbox"/>	System Reoperation
<input type="checkbox"/>	Urban Runoff Management
<input type="checkbox"/>	Urban Water Use Efficiency
<input type="checkbox"/>	Water Transfers
<input type="checkbox"/>	Water-Dependent Recreation
<input type="checkbox"/>	Watershed Management

Mojave Integrated Regional Water Management Plan *Project Identification – Long Form*

To the extent possible this form should be electronically filled out and e-mailed BY **August 1, 2013** to comments@mywaterplan.com. Items denoted with an asterisk are required.

PART 1: LEAD IMPLEMENTING AGENCY/ORGANIZATIONAL INFORMATION

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: *

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:

Location Description:	
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Project Cooperating Agency(ies)/Organization(s)/Individual(s):

•
•
•
•

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*

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*

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:

•	
•	
•	
•	

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):

•	
•	
•	

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:

Mojave IRWM Plan Objective	Contribution			Description
Balance average annual future water demands with available 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	
Continue improving regional water use efficiency toward demand hardening, exceeding State conservation goals.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
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	
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 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	
Optimize the use of the region’s assets to maximize available State Water Project supplies to meet projected demands while mitigating against related risks associated with an increasingly unreliable SWP supply. Assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities within the State Water Project Contract, available physical infrastructure, and management policies	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
Prevent land subsidence throughout the Region.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
Provide tools to disadvantaged communities to facilitate projects and programs that benefit those communities.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
Protect and restore sensitive environmental areas in coordination with integrated 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	
Improve stormwater management throughout the Plan area.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
Stakeholders work collaboratively with entities that have a stake in water quality to ensure the preservation of local beneficial uses 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	

Mojave IRWM Plan Objective	Contribution			Description
Utilize available data and information to assess potential impacts to the Region from climate change and to make planning decisions regarding resource management strategies.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
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	
Increase educational opportunities to improve public awareness of water supply, conservation, and water quality issues throughout the planning horizon.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
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	
Identify reliable funding sources to maintain, improve or replace aging infrastructure systems over time.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
Integrate recreation and public education opportunities with environmental stewardship efforts.	<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)**

Reduce Water Demands			
<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
Improve Operational Efficiency and Transfers			
<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): _____
Increase Water Supply			
<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): _____
Improve Water Quality			
<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) _____

Practice Resource Stewardship			
<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): _____
Improve Flood Risk Management			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Flood Risk Management
Other Strategies			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Please State: _____

<p>Is the proposed project an element or phase of a regional or larger program?</p> <p style="text-align: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>If yes, please identify the program _____</p>

PART 6: PROJECT READINESS*

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

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

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

PART 7: OTHER PROJECT BENEFITS*

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

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

Adaptation to Climate Change	
<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"/>	<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): _____
Reduces Greenhouse Gas Emissions and/or Energy Consumption	
<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

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

Mojave Integrated Regional Water Management Plan

Revised Draft Mojave IRWM Plan Objectives

1. Balance average annual future water demands with available supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.
 - a. Measured by forecasted average annual demand (adjusted by expected levels of conservation) at different times through the planning period compared with forecasted average annual available water supplies at different times through planning period.
2. Continue improving regional water use efficiency toward demand hardening, exceeding State conservation goals.
 - a. Continue reducing urban per-capita water use toward demand hardening (demand hardening set by the lowest per-capita water-using areas in the region). Measured by annual reductions in per-capita water use.
 - b. Increase agricultural water use efficiency by establishing best management practices for sustainable agriculture. Measured by the number of farms switching to best management practices, including irrigation practices, equipment, and crop types.
 - c. Increase industrial water use efficiency by establishing best management practices for sustainable industry. Measured by the number of industries using different practices, equipment, crop types.
3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
 - a. Measured by long-term stability of groundwater levels in the regional monitoring well network and mass water balance calculations by subarea.
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.
 - a. Measured by comparing banked or reserve water supplies with water needs to meet a 6-year drought or 3-year outage on the SWP.
5. Optimize the use of the region's assets to maximize available State Water Project supplies to meet projected demands while mitigating against related risks associated with an increasingly unreliable SWP supply. Assets to be optimized include financial resources, groundwater storage

programs, available imported water supplies, transfer and exchange opportunities within the State Water Project Contract, available physical infrastructure, and management policies

- a. Measured by the region's ability/capacity to utilize available SWP supplies.
 - b. Measured by comparing banked or reserve water supplies with water needs to meet a 6-year drought or 3-year outage on the SWP.
6. Prevent land subsidence throughout the Region.
- a. Measure by monitoring land surface changes, every five years, in areas of known historic subsidence.
7. Provide tools to disadvantaged communities to facilitate projects and programs that benefit those communities.
- a. Measured by the implementation of projects and programs that benefit disadvantaged communities.
8. Protect and restore sensitive environmental areas in coordination with integrated land use and conservation plans to support stewardship and awareness of environmental resources.
- a. Measured by acres of sensitive environmental/habitat areas restored or new sensitive environmental/habitat areas set aside for protection.
 - b. Measured by protection and restoration of riparian habitat areas as identified in Exhibit H of the Mojave Basin Area Judgment.
9. Improve stormwater management throughout the Plan area
- a. Increased coordination between public and private project development process to ensure watershed priorities and stakeholder priorities are considered.
 - b. Preserve floodplain functions through stricter management of development in floodplains—limit project construction in areas subject to flooding.
10. Stakeholders work collaboratively with entities that have a stake in water quality to ensure the preservation of local beneficial uses of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.
- a. Measured by policies and programs culminating from regional collaboration of multiple stakeholders and result in sound public policies that protect water quality.
11. Utilize available data and information to assess potential impacts to the Region from climate change and to make planning decisions regarding resource management strategies.
- a. Measured by tracking information as it evolves and repeat process every 10 years for inclusion into management action considerations

12. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
 - a. Obtain outside financial assistance for small water systems, measured by the number of small systems that acquired outside funding.
 - b. Obtain outside financial assistance for other projects and programs, measured by the amount of outside funds acquired.

13. Increase educational opportunities to improve public awareness of water supply, conservation, and water quality issues throughout the planning horizon.
 - a. Measured by the results of an annual survey.
 - b. Measured by documented outreach to all stakeholder types as listed in the IRWM guidelines.

14. Increase the use of recycled water in the region while maintaining compliance with the Mojave Basin Area Judgment.
 - a. Measured by changes in the volume of recycled water being used in the region.

15. Identify reliable funding sources to maintain, improve or replace aging infrastructure systems over time.
 - a. Measured by the number previously unfunded infrastructure maintenance needs acquiring sustainable funding sources.

16. Integrate recreation and public education opportunities with environmental stewardship efforts.
 - a. Measured by the number of new recreational or educational projects that are connected to environmental stewardship programs.