DOCKETED

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Project Title:	High Desert Power Plant
TN #:	213725
Document Title:	2015 Urban Water Management Plan Appendix D Part 2 of 4
Description:	N/A
Filer:	Deric Wittenborn
Organization:	Ellison, Schneider & Harris LLP
Submitter Role:	Applicant
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Appendix D

Projects

Part 2 of 4

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☑ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement *Y/N:*	Yes			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater: *Reduction in Flood Damage (Y/N):*		Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration *Y/N:*				
Climate Change: *Helps assess potential impacts (Y/N):*				
Environmental Stewardship/Public Awareness *Direct Benefits:*				
Other: *(Describe X amount of benefit)*				

Conceptual Model (2007) indicates there could be a surplus of groundwater in the Johnson Valley aquifer that is otherwise lost to evaporation and/or becomes too salty for human consumption as the groundwater flows (discharges) to the dry lake beds to the north. Therefore, this could be a conservation project.

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.	
☑	☐	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.
☑	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☑	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☐	☑	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.
☑	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☑	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☑	☐	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.
☐	☑	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
☐	Drought Preparedness
☐	Use and Reuse Water More Efficiently
☐	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
☐	Expand Environmental Stewardship
☐	Practice Integrated Flood Management
☑	Protect Surface and Groundwater Quality
☐	Improve Tribal Water and Natural Resources
☑	Ensure Equitable Distribution of Benefits

Program Preferences	
☐	Include Regional Projects or Programs
☐	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
☐	Effectively Resolve Significant Water-Related Conflicts within or between Regions
☐	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
☐	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
☐	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies			
☐	Agricultural Lands Stewardship	☐	Pollution Prevention
☐	Agricultural Water Use Efficiency	☐	Precipitation Enhancement
☑	Conjunctive Management and Groundwater Storage	☐	Recharge Areas Protection
☐	Conveyance - Delta, Regional/Local	☐	Recycled Municipal Water
☐	Desalination - Brackish & Seawater	☐	Salt & Salinity Management
☑	Drinking Water Treatment and Distribution	☐	Surface Storage - CALFED
☑	Economic Incentives	☐	Surface Storage - Regional/Local
☐	Ecosystem Restoration	☐	System Reoperation
☐	Flood Risk Management	☐	Urban Runoff Management
☐	Forest Management	☐	Urban Water Use Efficiency
☑	Groundwater/Aquifer Remediation	☐	Water Transfers
☐	Land Use Planning & Management	☐	Water-Dependent Recreation
☐	Matching Water Quality to Water Use	☑	Watershed Management

Project No. 49

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: *

City of Victorville

Agency / Organization / Individual Address:

P.O. Box 5001. Victorville, California 92393-5001
14343 Civic Drive, Victorville, California 92392-2399

Possible Partnering Agencies:

California Department of Fish and Wildlife, Mojave Water Agency, Victor Valley College: Mojave Desert Resource Conservation District (RCD), Mojave River Watershed Group(MRWG): Lewis Center For Educational Research,(Lewis Center), California Water Environment Association, Victor Valley Wastewater Reclamation Authority: Mojave Environmental Education Consortium (MEEC) ; which is the High Desert Zone for the California Regional Environmental Education Community (CREEC) Network, Victorville Unified School District, Victor Valley Union High School District (VVUHSD); Cities of Hesperia, Adelanto, Town of Apple Valley and Barstow: Barstow College, State of California, the County of San Bernardino, San Bernardino County Department of Aging and Adult Services, and Mojave Desert Air Quality Management District.

Name:*

Steve Ashton

Title:

Water Supply Manager

Telephone:* 760-955-2482

Fax: 760-269-0088

Email:*

SAshton@victorvilleca.gov

Website:

www.victorvilleca.gov

Project Name:*

Mojave Riverwalk EducationalTrailway as an Conservational Concept enhancement to Mojave Riverwalk Project proposed by Louie Rodriquez, Public Works Manager

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:	34°28'16"N	**Project Longitude:**	117°17'37"

Location Description:	Phase I: from north to south, Eva Dell Park, an existing portion of Class I trail north of the Mojave Riverwalk Project site at existing 6th street trailhead in Old Town Victorville. Trail users will be directed west by signage, crossing the Victor Valley Transportation Center (VVTC) on surface roads , crossing D street to Hesperia Rd toward the future Greentree / Yates Rd toward the Apple Valley Yucca Loma Bridge. On Yates Rd alongside the Mojave River toward the Victor Valley College;(linking: the Victor Valley Transportation Center, Center Street Park, Mojave Narrows Regional Park (MNRP), the planned Yucca Loma Bridge over the Mojave River, Town of Apple Valley bikeways, and Victor Valley College) Phase II: connect an east bank trail link to the Lewis Center by Beginning at Eva Dell Park; 15714 1st street in Victorville go East and South along the River, (option 1) crossing Rainbow Bridge or (option 2) crossing at the addition of two Mojave River crossings (future), to the Lewis Center, continuing south and along the East side of the Mojave River crossing to the West at the Yucca Loma Bridge (future: Yucca Loma Project), continuing South along the West side of the Mojave River to the Victor Valley College and Phase III: connecting a link to travel further South on the East side of the River from the Victor Valley College Campus, to the MWA Operations Facility/Interpretive Center.

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

- Louie Rodriquez, Public Works Manager, City of Victorville
- Steve Ashton, Water Supply Manager Victorville Water District
- Donna McCormick, Water Conservation Supervisor
- Kathy Cochran, Water Conservation Specialist II
- Dana Armstrong, Sanitation Manager,
- Christy Huiner, Mojave Water Agency
- Tim Gobler, Mojave Water Agency
- California Department of Fish and Game
- Neville Slade, Victor Valley College

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

The Proposed Mojave Riverwalk Educational Trailway is a proposed enhancement of the 'Mojave River Walk Project' which is in the design phase with completion expected in 2015.

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

Conceptual

*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.

Will benefit by an aesthetically pleasing environmentally friendly pedestrian, bicyclist enthusiast, and disabled individual access pathways providing recreational and educational pathway along the Mojave River and the Mojave narrows Regional Park as well as connecting Victor Valley Transportation Center (VVTC) plaza to Victor Valley College Campus; with future phases incorporating access to the Lewis Center and MWA Operations Facility /Interpretive Center, Hesperia.

Needs the project will address:

- Preservation
- Restoration
- Invasive species removal
- Provide Safe, Educational and alternative transportation links to various locations

Watershed Rehabilitation

- Restoration of lands
- Enhance unimproved areas for erosion controls
- Incorporate flood control
- Channel and riparian restoration

Environmental Resources Stewardship

- Into the hands of local supporters
- River cleanup
- Citizen involvement

Benefits it will provide

- Access to safe recreational activity-providing safe, educational and alternative transportation links to regional interest points
- Walking, bicycling, jogging enthusiasts to include access for disabled individuals and dog lovers
- A lack of this type of land use
- Use projections- Increasing number of bicyclists in the area

Education

- Provide accessibility to enhance river identity
- Demonstrate local hydrology/geology
- Empower community awareness with knowledge

Community Connectivity

*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.

The proposed, " Mojave Riverwalk Educational Trailways' would provide opportunities for regional partners to link and collaborate on complementary programs, planning and partnership efforts in the promotion, development and design of Educational Topic stations and demonstrations gardens established among specific points along the route of the 'Mojave River Walk Project' and to link future phases I and II. These Topics can demonstrate conservation educational components, to include a variety of information: Where Water Comes From, Water Treatment and Distribution: Urban Runoff Management Drinking, Drought Preparedness: Watershed Protection, Stormwater Pollution Prevention, Recycling and additional Conservation Components, establishing the following Goals:

1. Identify portions of the 'Mojave River Walk Project' that would benefit as "Educational station points along the trail"; prioritizing to facilitate five demonstration gardens , seven outdoor Educational and audible Kiosks; benches , pedestrian and canine drinking fountain facilities, and designing sidewalks and trails for disabled individuals to access.
2. Coordinate Public Outreach and Partnership input: Partners identified in this project proposal have expressed interest in or will be invited to participate in an open group forum, and the feedback from this forum will help to further the development, construction and curriculum of the proposed project, " "Mojave Riverwalk Educational trailways"
3. Research, development and conduct an environmental review of an east bank trail alignment to be adjacent to the Lewis Center for Educational Research (Lewis Center) campus –which would require the addition of two Mojave River crossings and possibility of using 'Rainbow Bridge' as a crossing.

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

• Mojave River
• Upper Mojave River Valley groundwater basin
•
•

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):

• Mojave Riverwalk Project - FP No. STPLER 5380 (013) Revised Project Description – March 12, 2013
• MOJAVE RIVERWALK TRAIL MASTER PLAN

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

X☐ 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.
☐ Medium	The project does not use common or widely accepted technology/practices, but substantial documentation is available on proposed benefits and project success.
☐ 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
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.	☐ Primary	☐ Secondary	☐ NA	
3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	☐ Primary	☐ Secondary	☐ NA	
7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	x☐ Primary	☐ Secondary	☐ NA	
8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	x☐ Primary	☐ Secondary	☐ NA	
9. Improve stormwater management throughout the Plan area.	x☐ Primary	☐ Secondary	☐ NA	
2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	x☐ Primary	☐ Secondary	☐ 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.	☐ Primary	☐ Secondary	☐ NA	
11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	x☐ Primary	☐ Secondary	☐ 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.	☐ Primary	☐ Secondary	☐ NA	
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	☐ Primary	☐ Secondary	☐ 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.	☐ Primary	☐ Secondary	☐ 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.	☐ Primary	☐ Secondary	☐ NA	
12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	x☐ Primary	☐ Secondary	☐ NA	
6. Prevent land subsidence throughout the Region.	☐ Primary	☐ Secondary	☐ NA	

*PART 5: RESOURCE MANAGEMENT STRATEGIES**

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

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

Practice Resource Stewardship			
☐ Primary	☐ Secondary	☐ NA	Agricultural Lands Stewardship
☐ Primary	☐ Secondary	☐ NA	Economic Incentives (loans, grants, water pricing)
x☐ Primary	☐ Secondary	☐ NA	Ecosystem Restoration
☐ Primary	☐ Secondary	☐ NA	Forest Management
x☐ Primary	☐ Secondary	☐ NA	Land Use Planning and Management
☐ Primary	☐ Secondary	☐ NA	Recharge Areas Protection
☐ Primary	☐ Secondary	☐ NA	Water-Dependent Recreation
x☐ Primary	☐ Secondary	☐ NA	Watershed Management
☐ Primary	☐ Secondary	☐ NA	Other (Please State): _____
Improve Flood Risk Management			
☐ Primary	☐ Secondary	☐ NA	Flood Risk Management
Other Strategies			
☐ Primary	☐ Secondary	☐ NA	Please State: _____

Is the proposed project an element or phase of a regional or larger program?	x☐ Yes ☐ No
If yes, please identify the program	The Urban Water Management Plan promoting conservation programs—DMM 7: Public Information Programs, DMM 8: School Education Programs, DMM 13:Water Waste Prohibition Alliance for Water Awareness and Conservation, (AWAC) operational plan; To coordinate Water Conservation efforts, participating agencies acting collaboratively as stakeholders in water conservation within the Mojave Water Agency 4,900 sq mile service area.

*PART 6: PROJECT READINESS**

Item	Status (e.g., not initiated, in process, complete, N/A)	Expected Completion Date
Conceptual Plans	X Educational Component	2015 **(mm/dd/yyyy)**
Feasibility Study	____	____ **(mm/dd/yyyy)**
Preliminary Design and Cost Estimates	X –Mojave Riverwalk Project	2015 **(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's readiness-to proceed.

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

Funding for the Mojave Riverwalk Project is provided by Transportation Enhancement Act (TEA) administered through SANBAG and Local Transportation Fund (LTF)

Funding for the enhancement to the Project-Mojave Riverwalk Educational Trailway has not been identified but is in conceptual phase

*PART 7: 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)

The Mojave Riverwalk trail and the enhancement of "educational trailway station points" encourages environmental resource stewardship by the people and communities enhancing the river's identity via public access exposure. Encourages healthy lifestyle living, offering a safe place to get out of doors and off public roads. Connects entities to pull local strengths to preserve natural habitats and watershed.

Does the project address environmental justice issues (including helping reduce inequitable distribution of environmental burdens and access to environmental goods)?
x☐ Yes ☐ No ☐ Not Sure

Does the project address critical water issues (including water supply or water quality) of a disadvantaged community?
☐ Yes x☐ No ☐ Not Sure

Does the project provide specific benefits to critical water issues for Native American tribal communities?
☐ Yes x☐ No ☐ Not Sure
If yes, please identify the tribal community: _____

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

Adaptation to Climate Change		
☐	Increases Water Supply Reliability	
☐	Advances/ Expands Conjunctive Management of Multiple Water Supply Sources	
x☐	Increases Water Use and/or Reuse Efficiency	
☐	Provides Additional Water Supply	
x☐	Promotes Water Quality Protection	
☐	Reduces Water Demand	
☐	Advances/Expands Water Recycling	
☐	Promotes Urban Runoff Reuse	
☐	Addresses Sea Level Rise	
☐	Addresses other Anticipated Climate Change Impact (e.g. through water management system modifications) Please State:	
☐	Improves Flood Control (e.g. through wetlands restoration, management, protection)	
☐	Promotes Habitat Protection	
	☐	Establishes Migration Corridors
	x☐	Re-establishes River-Floodplain Hydrologic Continuity
	☐	Re-introduces Anadromous Fish Populations to Upper Watersheds
	x☐	Enhances and Protects Upper Watershed Forests and Meadow Systems
	☐	Other (Please State):
☐	Other (Please State):_____	
Reduces Greenhouse Gas Emissions and/or Energy Consumption		
x☐	Promotes Energy-Efficient Water Demand Reduction or Increases Water Use Efficiency	
☐	Improves Water System Energy Efficiency	
☐	Advances/Expands Water Recycling	
☐	Promotes Urban Runoff Reuse that Leads to Reduced Energy Demand	
☐	Promotes Use of Renewable Energy Sources	
x☐	Contributes to Carbon Sequestration (e.g. through vegetation growth)	
☐	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 ($): 5,500,000.00_____
(Educational enhancements:$ 320,000) Proposed: Mojave Riverwalk Education Trail as an enhancement Conservational concept to the proposed project: Mojave Riverwalk Project.

Upper estimated total capital cost ($): 12,000,000.00_____

Of the total capital cost, please indicate the estimated cost for land purchase / easement ($): N/A _____

Annual Operation and Maintenance Cost ($): N/A_____

Design Life of Project (years): 40_____

Economic Feasibility

Is the project cost-effective?		
☐ Yes	☐ No	x☐ Not Sure
Does the project have a positive benefit-cost ratio?		
☐ Yes	x☐ No	☐ Not Sure

Project No. 54

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: *

Mojave Water Agency

Agency / Organization / Individual Address:

13846 Conference Center Drive
Apple Valley, Ca 92307

Possible Partnering Agencies:

City of Victorville
San Bernardino County Flood Control District

Name:*

Darrell Reynolds

Title:

Senior Project Engineer/Engineering Controller

Telephone:* 760-946-7023

Fax: 760-240-2001

Email:*

dreynolds@mojavewater.org

Website:

Project Name:*

Oro Grande Wash Groundwater Recharge Project

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: 34dgrs 27' 42.22" N **Project Longitude:** 117dgrs 21' 49.31" W

Location Description:	Recharge Basins - Oro Grande Wash at Sycamore St & Amethyst Rd, Victorville to Oro Grande wash and Bear Valley Road Pipeline extension from Cobalt Rd and Cloverly Ave to the outlet in the Oro Grande wash Recharge Basins.

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

- City of Victorville
- San Bernardino County Flood Control District
-
-

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

Phase to Expand to full recharge capacity 6,000 AF/YR

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

Implementable Project

*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.

The Oro Grande Wash Groundwater Recharge Project has an ultimate delivery capacity for approximately 8,000 AF/YR. This is a groundwater recharge project in the Alto Regional Aquifer.

*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.

The Oro Grande Wash Groundwater Recharge Project has an ultimate delivery capacity for approximately 6,000 AF. The trunk facilities are designed to flow the full capacity. The Flow control facility and pipeline into the wash is designed to flow half of the capacity into a joint use San Bernardino County Flood Control Detention/Recharge Basin. The second phase of this project is to construct a second pipeline to the wash and another groundwater recharge area between Amethyst and Bear Valley Road

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

- Alto Regional Aquifer
-
-
-

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):

- Addendum No 2 to MWA Water Supply Reliability Groundwater Repleinishment Program Final Project EIR
-
-

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

X 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.
☐ Medium	The project does not use common or widely accepted technology/practices, but substantial documentation is available on proposed benefits and project success.

☐ 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
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.	X Primary	☐ Secondary	☐ NA	
3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	X Primary	☐ Secondary	☐ NA	
7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	☐ Primary	☐ Secondary	☐ NA	
8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	☐ Primary	☐ Secondary	☐ NA	
9. Improve stormwater management throughout the Plan area.	☐ Primary	☐ Secondary	☐ NA	
2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	☐ Primary	☐ Secondary	☐ 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.	☐ Primary	☐ Secondary	☐ NA	
11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	☐ Primary	☐ Secondary	☐ 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.	☐ Primary	☐ Secondary	☐ NA	
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	☐ Primary	☐ Secondary	☐ 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.	X Primary	☐ Secondary	☐ 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.	X Primary	☐ Secondary	☐ NA	
12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	☐ Primary	☐ Secondary	☐ NA	
6. Prevent land subsidence throughout the Region.	☐ Primary	☐ Secondary	☐ NA	

*PART 5: RESOURCE MANAGEMENT STRATEGIES**

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

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

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

Is the proposed project an element or phase of a regional or larger program?	X Yes ☐ No
If yes, please identify the program	_____

*PART 6: PROJECT READINESS**

Item	Status (e.g., not initiated, in process, complete, N/A)	Expected Completion Date
Conceptual Plans	Completed	_____ **(mm/dd/yyyy)**
Feasibility Study	_____	_____ **(mm/dd/yyyy)**
Preliminary Design and Cost Estimates	_____	_____ **(mm/dd/yyyy)**
CEQA/NEPA	Completed	_____ **(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's readiness-to proceed.

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

*PART 7: 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)

The Phase 2 construction of the Oro Grande Wash Ground Water Recharge Basins will ultimately allow up to 8,000 AF/YR of groundwater recharge in the ALTO Regional Aquifer.

Does the project address environmental justice issues (including helping reduce inequitable distribution of environmental burdens and access to environmental goods)?
☐ **Yes** ☐ **No** ☐ **Not Sure**

Does the project address critical water issues (including water supply or water quality) of a disadvantaged community?
☐ **Yes** ☐ **No** ☐ **Not Sure**

Does the project provide specific benefits to critical water issues for Native American tribal communities?
☐ **Yes** ☐ **No** ☐ **Not Sure**
If yes, please identify the tribal community: _____

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

Adaptation to Climate Change	
X	Increases Water Supply Reliability
☐	Advances/ Expands Conjunctive Management of Multiple Water Supply Sources
☐	Increases Water Use and/or Reuse Efficiency
☐	Provides Additional Water Supply
☐	Promotes Water Quality Protection
☐	Reduces Water Demand
☐	Advances/Expands Water Recycling
☐	Promotes Urban Runoff Reuse
X	Addresses Sea Level Rise
☐	Addresses other Anticipated Climate Change Impact (e.g. through water management system modifications) Please State:
☐	Improves Flood Control (e.g. through wetlands restoration, management, protection)
☐	Promotes Habitat Protection
	☐ Establishes Migration Corridors
	☐ Re-establishes River-Floodplain Hydrologic Continuity
	☐ Re-introduces Anadromous Fish Populations to Upper Watersheds
	☐ Enhances and Protects Upper Watershed Forests and Meadow Systems
	☐ Other (Please State):
☐	Other (Please State):_____
Reduces Greenhouse Gas Emissions and/or Energy Consumption	
☐	Promotes Energy-Efficient Water Demand Reduction or Increases Water Use Efficiency
☐	Improves Water System Energy Efficiency
☐	Advances/Expands Water Recycling
☐	Promotes Urban Runoff Reuse that Leads to Reduced Energy Demand
☐	Promotes Use of Renewable Energy Sources
☐	Contributes to Carbon Sequestration (e.g. through vegetation growth)
☐	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 ($): 2,000,000_____

Upper estimated total capital cost ($): 3,000,000_____

Of the total capital cost, please indicate the estimated cost for land purchase / easement ($): 300,000

Annual Operation and Maintenance Cost ($): _____

Design Life of Project (years): 30

Economic Feasibility

Is the project cost-effective?		
☐ Yes	☐ No	☐ Not Sure
Does the project have a positive benefit-cost ratio?		
☐ Yes	☐ No	☐ Not Sure

Mojave IRWM Plan
Integrated Regional Water Management Plan

Project No. 53R

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: *
Mojave Water Agency

Agency / Organization / Individual Address:
13846 Conference Center Drive Apple Valley, CA 92307-4377

Possible Partnering Agencies:
R3 Water Purveyors (Victorville, Hesperia, Adelanto, Apple Valley Ranchos, Golden State)

Name:*
Tony Winkel

Title:
Senior Hydrogeologist

Telephone:* 760-946-7037

Fax: 760-2402642

Email:*
twinkel@mojavewater.org

Website:
mojavewater.org

Project Name:*
Alto Subarea Regional Aquifer Storage and Restoration (ASR^2)

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:	Victorville, Hesperia, Apple Valley, Adelanto

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

-
-
-
-

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

New

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

Conceptual Implementable Project

*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.

The R3 Project, recently completed by MWA, serves as a direct link between banked State Project Water in the Flood Plain Aquifer to many of the larger water purveyors in the most populated area within the MWA service area. This project takes advantage of the rapid recharge capacity and high well yields of the Flood Plain Aquifer and then delivers water to areas of need away from the river where aquifer characteristics are considerably less favorable. The R3 project is directly connected to the distribution systems of the major water purveyors in the Alto Subarea. Most of these distribution systems service populated areas over the Regional Aquifer. The Regional Aquifer has less favorable hydraulic characteristics than the Flood Plain Aquifer. In spite of this many water supply wells draw upon the Regional Aquifer and as a result it has experienced significant water level declines. This is because the demand for water exceeds the natural regional supply. Supplemental artificial recharge is a well-known and a widely accepted practice within the water supply industry, however, recharge facilities and supporting infrastructure are lacking in the Regional Aquifer.

Significant potable water distribution infrastructure exists and services the large populated areas in the Alto Subarea. In addition, this infrastructure is directly connected to the Regional Aquifer though approximately 100 municipal water supply wells. During the peak summer months many

of these wells are online supplying water to meet demand. However, during the cooler months less than a third of these wells are utilized (Wayne Vogel, Personal Communication, May 22, 2013). Rather than sitting idle these wells could be used to inject water directly where it is needed into the Regional Aquifer to be pumped out later by the very same well. In the winter there are approximetly 70 wells that could be used for ASR recharge. Hypothetically, over a 6-month annual interval with an injection rate of 1000 gpm each, the recharge potential for an R3-ASR Project would be approximately 56,500 acre-feet per year.

*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.

The Alto Subarea Regional Aquifer Storage and Restoration (ASR^2) project would use water from the Mojave Water Agency R-Cubed infrastructure to inject potable water into existing municipal wells in the regional aquifer. Injection would be timed to periods when these wells would not normally be in service (fall-winter). Injected water would be available for immediate use by purveyors during normal demand periods (spring- summer). This project uses existing equipment with very little new infrastructure. Costs incurred would be for minimal retrofitting at wellheads, periodic well cleaning, and injected water.

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

- Mojave River
- Flood Plain Aquifer
- Regional Aquifer
-

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):

- Waterboard, 2013, General Waste Discharge Requirements for Aquifer Storage and Recovery Projects that Inject Drinking Water into Groundwater, State Water Resources Control Board, Source: http://www.waterboards.ca.gov/water_issues/programs/asr/ accessed May 29, 2013
- MWH, 2013, Aquifer Storage and Recovery in California: Current Projects and Issues, Suzanne K. Mills, Chris E. Petersen, and Jordan Mamerel, October 7, 2009, Source: https://sunsite.berkeley.edu/WRCA/WRC/pdfs/GW27thMills.pdf

Accessed May 30, 2013.
• USGS, 2013, Aquifer Storage and Recovery, United States Geological Survey, Source: http://ca.water.usgs.gov/misc/asr/, Accessed May 30, 2013

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

☒ 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.
☐ Medium	The project does not use common or widely accepted technology/practices, but substantial documentation is available on proposed benefits and project success.
☐ 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
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.	☒ Primary	☐ Secondary	☐ NA	Expands the R3 Water-Bank to the Regional Aquifer directly to the most critical populated areas
3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	☒ Primary	☐ Secondary	☐ NA	Banks water in the historically over-drafted Alto Regional Aquifer
7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	☒ Primary	☐ Secondary	☐ NA	Banks replacement water in critical areas of direct use reducing pumping costs and eliminating the need to replace depleted wells
8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	☒ Primary	☐ Secondary	☐ NA	Banked water would raise the level of groundwater in the Alto Regional Aquifer which has the potential to restore historical springs along the river that have been long dry
9. Improve stormwater management throughout the Plan area.	☐ Primary	☒ Secondary	☐ NA	Lower Floodplain Aquifer Levels may facilitate more storm water infiltration
2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	☐ Primary	☐ Secondary	☒ 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.	☒ Primary	☐ Secondary	☐ NA	Injection water could be used to dilute/blend with groundwater insitu

Mojave IRWM Plan Objective	Contribution			Description
11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	☐ Primary	☒ Secondary	☐ NA	If analysis demonstrated that the project would in fact conserve storm water through increased storm-event recharge, the State of California would support the project. The Recycled Water Policy (State Water Resources Control Board Resolution No. 2009-0011) states that "the State Water Board will also request priority funding for storm water recharge projects that augment local water supplies." ((11)(a)) – CWRCB, 2013) The Policy also sets aggressive goals for storm water recharge. A project such as this one would help the State meet these goals.
13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	☐ Primary	☒ Secondary	☐ NA	If analysis demonstrated that the project would in fact conserve storm water through increased storm-event recharge, the State of California would support the project. The Recycled Water Policy (State Water Resources Control Board Resolution No. 2009-0011) states that "the State Water Board will also request priority funding for storm water recharge projects that augment local water supplies." ((11)(a)) – CWRCB, 2013) The Policy also sets aggressive goals for storm water recharge. A project such as this one would help the State meet these goals.
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	☐ Primary	☐ Secondary	☒ NA	

Mojave IRWM Plan Objective	Contribution			Description
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.	☒ Primary	☐ Secondary	☐ NA	Aggressive injection/recharge would be performed during periods of plentiful water. This would contribute to banked water surplus for dry periods
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.	☒ Primary	☐ Secondary	☐ NA	Significant existing potable water distribution infrastructure could be used to bank water when available through imported supply or exchange agreements and stored for times of need
12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	☐ Primary	☐ Secondary	☒ NA	
6. Prevent land subsidence throughout the Region.	☒ Primary	☐ Secondary	☐ NA	Prevention or reversal of groundwater level declines would decrease subsidence potential

*PART 5: RESOURCE MANAGEMENT STRATEGIES**

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

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

Practice Resource Stewardship			
☐ Primary	☐ Secondary	☒ NA	Agricultural Lands Stewardship
☐ Primary	☐ Secondary	☒ NA	Economic Incentives (loans, grants, water pricing)
☐ Primary	☒ Secondary	☐ NA	Ecosystem Restoration
☐ Primary	☐ Secondary	☒ NA	Forest Management
☐ Primary	☐ Secondary	☒ NA	Land Use Planning and Management
☐ Primary	☐ Secondary	☒ NA	Recharge Areas Protection
☐ Primary	☐ Secondary	☒ NA	Water-Dependent Recreation
☒ Primary	☐ Secondary	☐ NA	Watershed Management
☐ Primary	☐ Secondary	☒ NA	Other (Please State): ____
Improve Flood Risk Management			
☐ Primary	☒ Secondary	☐ NA	Flood Risk Management
Other Strategies			
☐ Primary	☐ Secondary	☒ NA	Please State: ____

Is the proposed project an element or phase of a regional or larger program?	☐ Yes ☐ No
If yes, please identify the program	Project would be an expansion of R3

*PART 6: PROJECT READINESS**

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

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

Pilot projects up to 24 months could commence immediately without a permit. Minor well head modifications to allow for backward injection flow would be the only infrastructure improvements required

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

Funding sources have not been identified, however, the minimal costs associated with using existing infrastructure may eliminate the need for outside funding

*PART 7: 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)

- **Revenue source for MWA**
- **Eliminates need for costly new recharge projects**
- **No new infrastructure required**
- **No evaporation losses**
- **Decreased pumping costs for purveyors**
- **Virtually unlimited storage space**
- **Recharge water injected directly in areas of critical impact**
- **Insitu dilution of water quality impairments**
- **Decreased loss of banked water through the Narrows**
- **Enhanced flood control**
- **Increased Flood Plain storage capacity and retention of lost storm water**
- **State funding**
- **Riparian restoration**

Does the project address environmental justice issues (including helping reduce inequitable distribution of environmental burdens and access to environmental goods)?
☐ **Yes** ☐ **No** ☒ **Not Sure**

Does the project address critical water issues (including water supply or water quality) of a disadvantaged community?
☒ **Yes** ☐ **No** ☐ **Not Sure**

Does the project provide specific benefits to critical water issues for Native American tribal communities?
☐ **Yes** ☐ **No** ☒ **Not Sure**
If yes, please identify the tribal community: ____

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

Adaptation to Climate Change		
☒	Increases Water Supply Reliability	
☒	Advances/ Expands Conjunctive Management of Multiple Water Supply Sources	
☐	Increases Water Use and/or Reuse Efficiency	
☐	Provides Additional Water Supply	
☐	Promotes Water Quality Protection	
☐	Reduces Water Demand	
☐	Advances/Expands Water Recycling	
☐	Promotes Urban Runoff Reuse	
☐	Addresses Sea Level Rise	
☒	Addresses other Anticipated Climate Change Impact (e.g. through water management system modifications) Please State: Banked water would offset the potential reliability concerns of climate change	
☒	Improves Flood Control (e.g. through wetlands restoration, management, protection)	
☒	Promotes Habitat Protection	
	☐	Establishes Migration Corridors
	☒	Re-establishes River-Floodplain Hydrologic Continuity
	☐	Re-introduces Anadromous Fish Populations to Upper Watersheds
	☐	Enhances and Protects Upper Watershed Forests and Meadow Systems
	☒	Other (Please State): Restoration of Regional Aquifer groundwater levels may restore long-dry springs along the river
☐	Other (Please State):_____	
Reduces Greenhouse Gas Emissions and/or Energy Consumption		
☐	Promotes Energy-Efficient Water Demand Reduction or Increases Water Use Efficiency	
☒	Improves Water System Energy Efficiency	
☐	Advances/Expands Water Recycling	
☐	Promotes Urban Runoff Reuse that Leads to Reduced Energy Demand	
☐	Promotes Use of Renewable Energy Sources	
☐	Contributes to Carbon Sequestration (e.g. through vegetation growth)	
☐	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 ($): Unknown

Upper estimated total capital cost ($): Unknown

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

Annual Operation and Maintenance Cost ($): Unknown

Design Life of Project (years): Unknown

Economic Feasibility

Is the project cost-effective?		
☐ Yes	☐ No	☒ Not Sure
Does the project have a positive benefit-cost ratio?		
☐ Yes	☐ No	☒ Not Sure

Project No. 57

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Recycled (Reclaimed) Water Distribution System		
Project Sponsor:	City of Hesperia		
If Joint Project, Other Partners:	Victor Valley Wastewater Reclamation Authority, Mojave Water Agency		
Project Website (if available):	N/A		
Project Contact Person:	Phone	FAX	Email
John Leveillee, City Engineer	760-947-1451	760-244-2515	jleveillee@cityofhesperia.us

Project Description

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

Implementable Project

Project Description (1 -2 sentences):

Construct a reclaimed water distribution system for the conveyance of recycled water from the VVWRA Hesperia Water Reclamation Plant to locations throughout the City of Hesperia. The system includes a non-potable reservoir on Live Oak Street, booster pumps, and approximately eight miles of "purple" pipeline to convey recycled water to the Hesperia Golf Club and several other users currently

Project Integration (Describe how the project does or could integrate with other projects in the Region):

The project integrates with the construction of the Hesperia Water Reclamation Plant being constructed by VVWRA and has the potential to significantly decrease the use of potable water by the Hesperia Water District. The Distribution System will connect to existing "purple pipe" irrigation systems already installed in certain areas throughout the City, including several high density residential

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):

Regional Water Management Plan, Supply Enhancement Project, and Capital Improvement Plan.

Project Location

Descriptive (Description of property location etc.):

The pipeline project is being constructed within existing street rights of way, thus eliminating the need for onerous environmental studies. The pipeline alignment has been designed by City Staff which runs from the Water Reclamation Plant on Mojave Street southwesterly to a 2.5 million gallon reservoir on Live Oak Street and then proceeds easterly through the City to the Hesperia Golf

Latitude/Longitude - info available at: http://geocoder.us/	Lat: N/A	Long: N/A

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<$100K ☐	$100K - $1M ☐	$1M - $10M ☐	>$10M ☑
Project Status (Check all that apply):	Conceptual ☐	In-Design ☑	Ready to Implement ☐	CEQA Complete ☑ N/A ☐
Estimated Year of Completion:	Spring, 2016			

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☑ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☑ 1000+ AF	
DACs Involvement *Y/N:*	Yes, areas to be served are within DAC Groups.			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater: *Reduction in Flood Damage (Y/N):*	No	Multi-benefit Y/N:	No	
Multi-stakeholder project/regional collaboration *Y/N:*	Yes			
Climate Change: *Helps assess potential impacts (Y/N):*	Yes			
Environmental Stewardship/Public Awareness *Direct Benefits:*				
Other: *(Describe X amount of benefit)*				

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.	
☑	☐	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.
☐	☑	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☑	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☐	☐	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.
☐	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☑	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☑	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.
☐	☐	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- [x] Drought Preparedness
- [x] Use and Reuse Water More Efficiently
- [ ] Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- [ ] Expand Environmental Stewardship
- [ ] Practice Integrated Flood Management
- [ ] Protect Surface and Groundwater Quality
- [ ] Improve Tribal Water and Natural Resources
- [x] Ensure Equitable Distribution of Benefits

Program Preferences

- [x] Include Regional Projects or Programs
- [ ] 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
- [ ] Effectively Resolve Significant Water-Related Conflicts within or between Regions
- [ ] Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- [ ] Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- [x] Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- [ ] Agricultural Lands Stewardship
- [ ] Agricultural Water Use Efficiency
- [ ] Conjunctive Management and Groundwater Storage
- [ ] Conveyance - Delta, Regional/Local
- [ ] Desalination - Brackish & Seawater
- [ ] Drinking Water Treatment and Distribution
- [x] Economic Incentives
- [ ] Ecosystem Restoration
- [ ] Flood Risk Management
- [ ] Forest Management
- [x] Groundwater/Aquifer Remediation
- [x] Land Use Planning & Management
- [ ] Matching Water Quality to Water Use
- [ ] Pollution Prevention
- [ ] Precipitation Enhancement
- [ ] Recharge Areas Protection
- [x] Recycled Municipal Water
- [ ] Salt & Salinity Management
- [ ] Surface Storage - CALFED
- [ ] Surface Storage - Regional/Local
- [ ] System Reoperation
- [ ] Urban Runoff Management
- [x] Urban Water Use Efficiency
- [ ] Water Transfers
- [ ] Water-Dependent Recreation
- [ ] Watershed Management

Project No. 58

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Regional Aquifer Recharge Capacity		
Project Sponsor:	MWA		
If Joint Project, Other Partners:			
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
Tony Winkel	760-946-7037	760-240-2642	twinkel@mojavewater.org

Project Description

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

Project Description (1 -2 sentences):
MWA has very little off-river aquifer recharge capacity. During wet periods, when SWP water is plentiful and "cheap," the river is likely to be full and unable to accept recharge. MWA needs to be able to accept large a quantity of water in a relatively short (wet) period. This could be accomplished through a variety of infrastructure. Once such infrastructure combination could include surface water impoundment for later distribution to recharge ponds, ASR injection wells, etc... In addition this project could easily be expanded to a water bank with an aqueduct pump-back component for "buy low/sell high" of banked water.

Project Integration (Describe how the project does or could integrate with other projects in the Region):
This project would expand and improve upon existing recharge efforts and create a significant buffer against highly variable imported water supply by banking water in wet periods in preparation for dry periods. This project could also possition local stake holders to benifit finacially by providing surplus banked water to downstream aquduct users in dry periods.

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):
Bookman-Edmonston, 2005, Technical Study to Evaluate a Potential Long-Term Water Management Program Between The Mojave Water Agency and Metropolitan Water District, Date: December 2005, Project No: 042810

Project Location

Descriptive (Description of property location etc.):
Various - along the aqueduct and connecting aquifer rechage infrastructure.

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	$100K - $1M	$1M - $10M	>$10M
	☐	☐	☐	☑
Project Status (Check all that apply):	Conceptual	In-Design	Ready to Implement	CEQA Complete / N/A
	☑	☐	☐	☐ / ☐
Estimated Year of Completion:	?			

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☑ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:*			Yes
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater:	*Reduction in Flood Damage (Y/N):* Yes		Multi-benefit Y/N: Yes	
Multi-stakeholder project/regional collaboration	*Y/N:*		Yes	
Climate Change:	*Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness	*Direct Benefits:*			
Other: *(Describe X amount of benefit)*				

Regional Aquifer Recharge, Revenue source to local stakeholders, Decreased pumping costs, protection against variability of imported supply.

Project Criteria

IRWM Plan Objectives Met

Prim.	Second.	
☑	☐	
☑	☐	
☐	☐	
☑	☐	
☐	☑	
☐	☐	
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☐	☐	
☑	☐	

Statewide Priorities

- [x] Drought Preparedness
- [ ] Use and Reuse Water More Efficiently
- [x] Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- [ ] Expand Environmental Stewardship
- [ ] Practice Integrated Flood Management
- [ ] Protect Surface and Groundwater Quality
- [ ] Improve Tribal Water and Natural Resources
- [ ] Ensure Equitable Distribution of Benefits

Program Preferences

- [x] Include Regional Projects or Programs
- [ ] 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
- [ ] Effectively Resolve Significant Water-Related Conflicts within or between Regions
- [ ] Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- [ ] Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- [x] Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

[ ] Agricultural Lands Stewardship	[ ] Pollution Prevention
[ ] Agricultural Water Use Efficiency	[ ] Precipitation Enhancement
[x] Conjunctive Management and Groundwater Storage	[x] Recharge Areas Protection
[ ] Conveyance - Delta, Regional/Local	[ ] Recycled Municipal Water
[ ] Desalination - Brackish & Seawater	[x] Salt & Salinity Management
[ ] Drinking Water Treatment and Distribution	[x] Surface Storage - CALFED
[ ] Economic Incentives	[x] Surface Storage - Regional/Local
[ ] Ecosystem Restoration	[ ] System Reoperation
[ ] Flood Risk Management	[ ] Urban Runoff Management
[ ] Forest Management	[ ] Urban Water Use Efficiency
[x] Groundwater/Aquifer Remediation	[x] Water Transfers
[x] Land Use Planning & Management	[x] Water-Dependent Recreation
[ ] Matching Water Quality to Water Use	[ ] Watershed Management

Project No. 59

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)				
Project Name:	Regional Flood Control / Flood Management Plan			
Project Sponsor:	Mojave Water Agency; San Bernardino County Flood Control District			
If Joint Project, Other Partners:	Town of Apple Valley; City of Barstow; City of Hesperia; City of Adelanto; City of Victorville; Town of Yucca Valley			
Project Website (if available):				
Project Contact Person:	Phone	FAX	Email	
Project Description				
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)				
Design; planning document				
Project Description (1-2 sentences):				
Prepare a multi-jurisdictional, regional flood control / flood management plan that integrates flood data and information, coordinates flood control efforts and infrastructure, and seeks to integrate flood management and water supply projects across the Mojave IRWM Region.				
Project Integration (Describe how the project does or could integrate with other projects in the Region):				
Many potential options for integration, particularly the development of dual-use flood management and groundwater recharge infrastructure. The plan should identify areas of overlap between flood control, water supply and potentially recreational facilities.				
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):				
SB County Flood Control District has existing plans for flood control infrastructure, including individual projects. Most or all cities have some form of flood management plan, for example a Master Plan of Drainage.				
Project Location				
Descriptive (Description of property location etc.):				
Entire IRWM Region				
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 ☐	$100K - $1M ☑	$1M - $10M ☐	>$10M ☐
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:	Not sure			

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement *Y/N:*	No			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):	Yes			
Stormwater: *Reduction in Flood Damage (Y/N):*	Yes	Multi-benefit Y/N:	Yes	
Multi-stakeholder project/regional collaboration *Y/N:*	Yes			
Climate Change: *Helps assess potential impacts (Y/N):*	No			
Environmental Stewardship/Public Awareness *Direct Benefits:*	No			
Other: *(Describe X amount of benefit)*				

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.	
☐	☑	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☑	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☑	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☐	☑	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.
☐	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☑	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☐	☐	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- ☐ Drought Preparedness
- ☐ Use and Reuse Water More Efficiently
- ☑ Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- ☑ Expand Environmental Stewardship
- ☑ Practice Integrated Flood Management
- ☐ Protect Surface and Groundwater Quality
- ☐ Improve Tribal Water and Natural Resources
- ☐ Ensure Equitable Distribution of Benefits

Program Preferences

- ☑ Include Regional Projects or Programs
- ☑ 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
- ☐ Effectively Resolve Significant Water-Related Conflicts within or between Regions
- ☐ Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- ☐ Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- ☑ Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- ☐ Agricultural Lands Stewardship
- ☐ Agricultural Water Use Efficiency
- ☑ Conjunctive Management and Groundwater Storage
- ☑ Conveyance - Delta, Regional/Local
- ☐ Desalination - Brackish & Seawater
- ☐ Drinking Water Treatment and Distribution
- ☐ Economic Incentives
- ☐ Ecosystem Restoration
- ☑ Flood Risk Management
- ☐ Forest Management
- ☐ Groundwater/Aquifer Remediation
- ☑ Land Use Planning & Management
- ☐ Matching Water Quality to Water Use
- ☐ Pollution Prevention
- ☐ Precipitation Enhancement
- ☑ Recharge Areas Protection
- ☐ Recycled Municipal Water
- ☐ Salt & Salinity Management
- ☐ Surface Storage - CALFED
- ☐ Surface Storage - Regional/Local
- ☐ System Reoperation
- ☐ Urban Runoff Management
- ☐ Urban Water Use Efficiency
- ☐ Water Transfers
- ☐ Water-Dependent Recreation
- ☑ Watershed Management

Mojave IRWM Plan
Integrated Regional Water Management Plan

Project No. 60R

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Reorganization between two adjacent small water agencies (BDVWA and CSA 70 Zone W-1 [Landers])		
Project Sponsor:	Bighorn-Desert View Water Agency		
If Joint Project, Other Partners:	Customers of CSA 70/Zone W-1		
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
Marina West	760-364-2315	760-364-3214	bdvwa2@mindspring.com

Project Description

Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)
Customers of CSA 70/Zone W-1 Landers have inquired about reorganization with BDVWA. LAFCO has granted the SOI, and BDVWA already serves some W-1 customers. This is beyond concept.BDVWA Board of Directors desires reorganization. Issue is how to accomplish.

Project Description (1-2 sentences):
Initiate reorganization through LAFCO. Provide for LAFCO processing fees, boundary map, preparation of TFM Report (Technical, Financial and Managerial) plan for operation of consolidated entities and evaluate physical infrastructure tie-in. Possible need for Master Plan identifying infrastructure improvements and build-out requirements.

Project Integration (Describe how the project does or could integrate with other projects in the Region):
Propose that the project can be part of a larger integrated program incorporating all needs for small water systems. Project Nos. 6 - Bar-Len Arsenic and Metering Project (metering portion, Arsenic treatment could be integrated with projects like Project No. 80), Project No. 7 - Assistance Program for Small Drinking Water Systems, Project No. 15 - Center Water, Project No. 19 - Hinkley, Project No. 36 - Infrastructure Improvement Projects, Project No. 44 - Lucerne Valley Small Water Systems Feasibility, Project No. 45 - Mesa Tank #4, etc., Project No. 69 - SCADA, Project No. 74 - Water Infrastructure Restoration Program, Project Nos. 83, 84, and 85).

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans])
Customers of CSA 70/Zone W-1 Landers have inquired about reorganization with BDVWA. LAFCO has granted the SOI, and BDVWA already serves some W-1 customers. BDVWA Board of Directors desires reorganization to improve (cost) efficiencies, provide local governance and local agency office for customer service.

Project Location

Descriptive (Description of property location etc.):
"eastern" Landers.

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 ☑	$100K - $1M ☐	$1M - $10M ☐	>$10M ☐
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☑	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:	2013/14			

Mojave IRWM Plan
Integrated Regional Water Management Plan

Project No. 60R

Mojave Integrated Regional Water Management Plan

Project Identification - Short Form

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General Information (Required)			
Project Name:	Reorganization between two adjacent small water agencies (BDVWA and CSA 70 Zone W-1 [Landers])		
Project Sponsor:	Bighorn-Desert View Water Agency		
If Joint Project, Other Partners:	Customers of CSA 70/Zone W-1		
Project Website (if available):			
Project Contact Person: Marina West	Phone: 760-364-2315	FAX: 760-364-3214	Email: bdvwa2@mindspring.com

Project Description

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

Customers of CSA 70/Zone W-1 Landers have inquired about reorganization with BDVWA. LAFCO has granted the SOI, and BDVWA already serves some W-1 customers. This is beyond concept, BDVWA Board of Directors desires reorganization. Issue is how to accomplish.

Project Description (1 -2 sentences):

Initiate reorganization through LAFCO. Provide for LAFCO processing fees, boundary map, preparation of TFM Report (Technical, Financial and Managerial) plan for operation of consolidated entities and evaluate physical infrastructure tie-in. Possible need for Master Plan identifying infrastructure improvements and build-out requirements.

Project Integration (Describe how the project does or could integrate with other projects in the Region):

Propose that the project can be part of a larger integrated program incorporating all needs for small water systems. Project Nos. 6 - Bar-Len Arsenic and Metering Project (metering portion, Arsenic treatment could be integrated with projects like Project No. 80), Project No. 7 - Assistance Program for Small Drinking Water Systems, Project No. 15 - Center Water, Project No. 19 - Hinkley, Project No. 36 - Infrastructure Improvement Projects, Project No. 44 - Lucerne Valley Small Water Systems Feasibility, Project No. 45 - Mesa Tank #4, etc., Project No. 69 - SCADA, Project No. 74 - Water Infrastructure Restoration Program, Project Nos. 83, 84, and 85).

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):

Customers of CSA 70/Zone W-1 Landers have inquired about reorganization with BDVWA. LAFCO has granted the SOI, and BDVWA already serves some W-1 customers. BDVWA Board of Directors desires reorganization to improve (cost) efficiencies, provide local governance and local agency office for customer service.

Project Location

Descriptive (Description of property location etc.):

"eastern" Landers.

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 ☑	$100K - $1M ☐	$1M - $10M ☐	>$10M ☐
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☑	CEQA Complete ☐ N/A ☐
Estimated Year of Completion: 2013/14				

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement *Y/N:*	Yes			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater: *Reduction in Flood Damage (Y/N):*		Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration *Y/N:*				
Climate Change: *Helps assess potential impacts (Y/N):*				
Environmental Stewardship/Public Awareness *Direct Benefits:*				
Other: *(Describe X amount of benefit)*				
Provide community now served by County of San Bernardino Special Districts Department with local governance (local elected board focused on water supply only), local office for customer service, cost efficiency.				

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.	
☑	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☑	☑	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☑	**2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.**
☐	☑	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.
☑	☑	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☑	☑	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☑	☐	**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.**
☐	☑	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- [ ] Drought Preparedness
- [ ] Use and Reuse Water More Efficiently
- [x] Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- [x] Expand Environmental Stewardship
- [ ] Practice Integrated Flood Management
- [ ] Protect Surface and Groundwater Quality
- [ ] Improve Tribal Water and Natural Resources
- [x] Ensure Equitable Distribution of Benefits

Program Preferences

- [ ] Include Regional Projects or Programs
- [ ] 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
- [ ] Effectively Resolve Significant Water-Related Conflicts within or between Regions
- [ ] Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- [x] Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- [ ] Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- [ ] Agricultural Lands Stewardship
- [ ] Agricultural Water Use Efficiency
- [ ] Conjunctive Management and Groundwater Storage
- [ ] Conveyance - Delta, Regional/Local
- [ ] Desalination - Brackish & Seawater
- [x] Drinking Water Treatment and Distribution
- [x] Economic Incentives
- [ ] Ecosystem Restoration
- [ ] Flood Risk Management
- [ ] Forest Management
- [ ] Groundwater/Aquifer Remediation
- [x] Land Use Planning & Management
- [ ] Matching Water Quality to Water Use
- [ ] Pollution Prevention
- [ ] Precipitation Enhancement
- [ ] Recharge Areas Protection
- [ ] Recycled Municipal Water
- [ ] Salt & Salinity Management
- [ ] Surface Storage - CALFED
- [ ] Surface Storage - Regional/Local
- [ ] System Reoperation
- [ ] Urban Runoff Management
- [ ] Urban Water Use Efficiency
- [ ] Water Transfers
- [ ] Water-Dependent Recreation
- [x] Watershed Management

Project No. 62R

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 or mail BY **September 12, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Revised Project 62 Water Conservation Ordinance		
Project Sponsor:			
If Joint Project, Other Partners:	MWA, San Bernardino County, Stakeholders and possibly Mojave Desert Recourse Conservation District		
Project Website (if available):	None		
Project Contact Person:	Phone	FAX	Email
Jim, Ellen Johnson	760 257 3299		Jimel1983@gmail.com

Project Description
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)
Possibly all of the above?
Project Description (1 -2 sentences):
A water conservation ordinance in the unincorporated areas of San Bernardino County, within the MWA Jurisdictional Boundary. The MWA has said that the Judgment alone may not be adequate to address all of the water conservation measures that need to be taken to balance water supply and demands in the Baja Subarea. At a Silver Valley Farm Bureau meeting stakeholders were approached about singing into the stipulated agreement. At that time County Ordinance 810.0605-810.0610 was referred to, to be our protection against unauthorized production. This ordinance was removed in 2007. A new ordinance could help to insure an equitable share of the benefits made possible by the Physical Solution.
Project Integration (Describe how the project does or could integrate with other projects in the Region): A water conservation ordinance that could help with the Injunction Against Unauthorized Production (Judgment After Trial), and to help water users within each hydrological subarea to proceed with an orderly water resource planning and development. Project could integrate with Projects 1, 10, 11, 20, 46, and 71
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]): MWA, S.B. County and Stakeholders

Project Location		
Descriptive (Description of property location etc.): Unincorporated areas in the S.B. County within MWA's jurisdiction		
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	$100K - $1M	$1M - $10M	>$10M
Project Status (Check all that apply):	☐ Conceptual	☐ In-Design	☐ Ready to Implement	☐ CEQA Complete ☐ N/A
Estimated Year of Completion:				

Project Benefits			
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF
DACs Involvement *Y/N:*			
Public Access, Open Space, Habitat, Recreation (*acres created/restored):*			
Stormwater: *Reduction in Flood Damage (Y/N):*		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration *Y/N:*			
Climate Change: *Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness *Direct Benefits:*			
Other: *(Describe X amount of benefit)*			

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.	
☑	☐	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.
☑	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☑	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☑	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.

☐	☑	9. Improve stormwater management throughout the Plan area.
☑	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☐	☑	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.
☐	☑	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☑	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☑	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☑	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.
☑	☐	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.
☐	☑	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☑	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
☑	Drought Preparedness
☑	Use and Reuse Water More Efficiently
☑	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
☐	Expand Environmental Stewardship

☐	Practice Integrated Flood Management
☑	Protect Surface and Groundwater Quality
☐	Improve Tribal Water and Natural Resources
☑	Ensure Equitable Distribution of Benefits

Program Preferences

☑	Include Regional Projects or Programs
☑	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
☑	Effectively Resolve Significant Water-Related Conflicts within or between Regions
☐	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
☑	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
☑	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

☑	Agricultural Lands Stewardship	☐	Pollution Prevention
☑	Agricultural Water Use Efficiency	☐	Precipitation Enhancement
☑	Conjunctive Management and Groundwater Storage	☑	Recharge Areas Protection
☐	Conveyance - Delta, Regional/Local	☐	Recycled Municipal Water
☐	Desalination - Brackish & Seawater	☐	Salt & Salinity Management
☐	Drinking Water Treatment and Distribution	☐	Surface Storage - CALFED
☐	Economic Incentives	☐	Surface Storage - Regional/Local
☑	Ecosystem Restoration	☐	System Reoperation
☐	Flood Risk Management	☐	Urban Runoff Management
☐	Forest Management	☐	Urban Water Use Efficiency
☑	Groundwater/Aquifer Remediation	☑	Water Transfers
☑	Land Use Planning & Management	☑	Water-Dependent Recreation

☐	Matching Water Quality to Water Use	☑	Watershed Management

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)				
Project Name: SHEEP CREEK WASH STORM WATER RETENTION				
Project Sponsor: PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT				
If Joint Project, Other Partners: POTENTIALLY SAN BERNARDINO FLOOD CONTROL				
Project Website (if available):				
Project Contact Person:	Phone	FAX	Email	
DON BARTZ	760 868 1212	760 868 2323	DBARTZ@PPHCSD.ORG	
Project Description				
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)				
CONCEPTUAL				
Project Description (1-2 sentences):				
STORM WATER CAPTURE				
Project Integration (Describe how the project does or could integrate with other projects in the Region):				
POTENTIAL JOINT VENTURE W/ SAN BERNARDINO COUNTY FLOOD CONTROL				
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.):				
VACANT LAND W/ [illegible] VEGETATION & JOSHUA TREES / [illegible]				
Latitude/Longitude - info available at http://geocoder.us/		Lat: N 34° 26.70	Long: W 117° 36.70	
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate): Estimated Cost:	<$100K ☐	$100K - $1M ☐	$1M - $10M ☑	>$10M ☐
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion: 2020				

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☒ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☒ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:*			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater:	*Reduction in Flood Damage (Y/N):* YES	Multi-benefit Y/N: YES		
Multi-stakeholder project/regional collaboration	*Y/N:*			
Climate Change:	*Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness	*Direct Benefits:*			
Other: *(Describe X amount of benefit)*				

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.	
☐	☒	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.
☒	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☒	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☒	☐	9. Improve stormwater management throughout the Plan area.
☐	☒	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☒	☐	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.
☐	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☒	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☒	☐	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.
☐	☐	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.
☒	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☒	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
☒	Drought Preparedness
☒	Use and Reuse Water More Efficiently
☒	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
☐	Expand Environmental Stewardship
☒	Practice Integrated Flood Management
☒	Protect Surface and Groundwater Quality
☐	Improve Tribal Water and Natural Resources
☐	Ensure Equitable Distribution of Benefits

Program Preferences	
☐	Include Regional Projects or Programs
☐	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
☐	Effectively Resolve Significant Water-Related Conflicts within or between Regions
☐	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
☒	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
☐	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies			
☐	Agricultural Lands Stewardship	☒	Pollution Prevention
☐	Agricultural Water Use Efficiency	☒	Precipitation Enhancement
☒	Conjunctive Management and Groundwater Storage	☒	Recharge Areas Protection
☐	Conveyance - Delta, Regional/Local	☐	Recycled Municipal Water
☐	Desalination - Brackish & Seawater	☐	Salt & Salinity Management
☐	Drinking Water Treatment and Distribution	☐	Surface Storage - CALFED
☐	Economic Incentives	☐	Surface Storage - Regional/Local
☒	Ecosystem Restoration	☐	System Reoperation
☒	Flood Risk Management	☐	Urban Runoff Management
☐	Forest Management	☐	Urban Water Use Efficiency
☒	Groundwater/Aquifer Remediation	☐	Water Transfers
☐	Land Use Planning & Management	☐	Water-Dependent Recreation
☐	Matching Water Quality to Water Use	☒	Watershed Management

Mojave IRWM Plan
Integrated Regional Water Management Plan

Project No. 64

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Silver Lakes Association Stormwater Debris - retention basin, Buckthorn Wash at Mountain Springs Road		
Project Sponsor:	Silver Lakes Association		
If Joint Project, Other Partners:	Helendale Community Services District		
Project Website (if available):			
Project Contact Person: Michael Bennett - GM	Phone: 760-245-1606	FAX:	Email: mbennett@silverlakesassociation.com

Project Description
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program): Conceptual
Project Description (1 -2 sentences): Design and construction of a reinforced concrete storm water debris interceptor where Buckthorn Wash bisects the Silver Lakes Golf Course. Approx size(LWD): 60'x 10'x 6'
Project Integration (Describe how the project does or could integrate with other projects in the Region): This debris interceptor would reduce damage to Golf Course and reduce sediment and debris flowing into a proposed off river retention-percolation basin at Helendale Rd.
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.): 100' east of Mountain Springs Road overpass at Buckthorn Wash, Helendale, CA		
Latitude/Longitude - info available at: http://geocoder.us/	Lat: 34,45', 16.06" N	Long: 117, 20' 48.79" W

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate): Estimated Cost:	<$100K	$100K - $1M	$1M - $10M	>$10M
	[X]	[ ]	[ ]	[ ]

Project Status (Check all that apply):	Conceptual	In-Design	Ready to Implement	CFQA Complete	N/A
	XX [X]	[ ]	[ ]	[ ]	[ ]

Estimated Year of Completion:

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement *Y/N:*				
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater: *Reduction in Flood Damage (Y/N):* YES		Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration *Y/N:*				
Climate Change: *Helps assess potential impacts (Y/N):*				
Environmental Stewardship/Public Awareness *Direct Benefits:*				
Other: *(Describe X amount of benefit)*				

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.	
☐	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☒	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☒	☐	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.
☐	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☐	☐	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.
☐	☒	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
☐	Drought Preparedness
☐	Use and Reuse Water More Efficiently
☐	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
☐	Expand Environmental Stewardship
☒	Practice Integrated Flood Management
☐	Protect Surface and Groundwater Quality
☐	Improve Tribal Water and Natural Resources
☐	Ensure Equitable Distribution of Benefits

Program Preferences	
☐	Include Regional Projects or Programs
☒	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
☐	Effectively Resolve Significant Water-Related Conflicts within or between Regions
☐	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
☐	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
☒	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies			
☐	Agricultural Lands Stewardship	☒	Pollution Prevention
☐	Agricultural Water Use Efficiency	☐	Precipitation Enhancement
☐	Conjunctive Management and Groundwater Storage	☐	Recharge Areas Protection
☐	Conveyance - Delta, Regional/Local	☐	Recycled Municipal Water
☐	Desalination - Brackish & Seawater	☐	Salt & Salinity Management
☐	Drinking Water Treatment and Distribution	☐	Surface Storage - CALFED
☐	Economic Incentives	☐	Surface Storage - Regional/Local
☐	Ecosystem Restoration	☐	System Reoperation
☒	Flood Risk Management	☐	Urban Runoff Management
☐	Forest Management	☐	Urban Water Use Efficiency
☐	Groundwater/Aquifer Remediation	☐	Water Transfers
☒	Land Use Planning & Management	☐	Water-Dependent Recreation
☐	Matching Water Quality to Water Use	☐	Watershed Management

Project No. 65

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)				
Project Name:	State Water Project Utilization & Efficiency Strategy			
Project Sponsor:	Mojave Water Agency			
If Joint Project, Other Partners:	Other State Water Contractors; other water agencies			
Project Website (if available):				
Project Contact Person: Kathy Cortner	Phone 760-946-7000	FAX	Email	

Project Description
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)
Concept; Program
Project Description (1-2 sentences):
Conceptual program with an overall goal to make the best use of the Region's State Water Project resources for maximum benefit to the Region. This would be an ongoing program with many possible elements and would explore a variety of opportunities to achieve the goal, including transfers, exchanges, purchases and sales of SWP water in concert with conjuctive use, groundwater and surface water storage programs, etc.
Project Integration (Describe how the project does or could integrate with other projects in the Region):
The program could be integrated with many planned or existing water supply projects in the region, particularly local groundwater storage infrastructure, and could also be integrated with other IRWM regions' programs.
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.): Mojave IRWM Region, other IRWM regions with access to SWP water.					
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 ☐	$100K - $1M ☐	$1M - $10M ☐	>$10M ☐
Project Status (Check all that apply):		Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:	Ongoing				

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☑ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☑ 1000+ AF	
DACs Involvement	*Y/N:*		No	
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):		No		
Stormwater:	*Reduction in Flood Damage (Y/N):* No		Multi-benefit Y/N: No	
Multi-stakeholder project/regional collaboration	*Y/N:*		Yes	
Climate Change:	*Helps assess potential impacts (Y/N):*		No	
Environmental Stewardship/Public Awareness	*Direct Benefits:*	No		
Other: *(Describe X amount of benefit)*				

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.	
☐	☑	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☐	☑	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.
☐	☑	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☑	☐	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.
☑	☐	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- [x] Drought Preparedness
- [ ] Use and Reuse Water More Efficiently
- [ ] Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- [ ] Expand Environmental Stewardship
- [ ] Practice Integrated Flood Management
- [ ] Protect Surface and Groundwater Quality
- [ ] Improve Tribal Water and Natural Resources
- [x] Ensure Equitable Distribution of Benefits

Program Preferences

- [x] Include Regional Projects or Programs
- [x] 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
- [x] Effectively Resolve Significant Water-Related Conflicts within or between Regions
- [x] Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- [ ] Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- [ ] Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- [ ] Agricultural Lands Stewardship
- [ ] Agricultural Water Use Efficiency
- [x] Conjunctive Management and Groundwater Storage
- [x] Conveyance - Delta, Regional/Local
- [ ] Desalination - Brackish & Seawater
- [ ] Drinking Water Treatment and Distribution
- [ ] Economic Incentives
- [ ] Ecosystem Restoration
- [ ] Flood Risk Management
- [ ] Forest Management
- [ ] Groundwater/Aquifer Remediation
- [ ] Land Use Planning & Management
- [ ] Matching Water Quality to Water Use
- [ ] Pollution Prevention
- [ ] Precipitation Enhancement
- [ ] Recharge Areas Protection
- [ ] Recycled Municipal Water
- [ ] Salt & Salinity Management
- [x] Surface Storage - CALFED
- [x] Surface Storage - Regional/Local
- [ ] System Reoperation
- [ ] Urban Runoff Management
- [ ] Urban Water Use Efficiency
- [ ] Water Transfers
- [ ] Water-Dependent Recreation
- [ ] Watershed Management

Project No. 66R

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 or mail BY **September 12, 2013** to comments@mywaterplan.com.

General Information (Required)				
Project Name:	State Water Project Water Treatment Plant in conjunction with R3 project			
Project Sponsor:	Mojave Water Agency			
If Joint Project, Other Partners:				
Project Website (if available):				
Project Contact Person: Darrell Reynolds	Phone 760-946-7023	FAX 760-240-2001	Email dreynolds@mojavewater.org	
Project Description				
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)				
Conceptual				
Project Description (1 -2 sentences):				
Construct a Water treatment plant to treat State Water Project Water and deliver directly into the potable R3 water delivery system. This can be done instead of pumping groundwater wells.				
Project Integration (Describe how the project does or could integrate with other projects in the Region): The project would be designed so water can be delivered through the R3 distribution system.				
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]): West of hwy 395 near aqueduct or at Deep Creek Turnout.				
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 ☐	$100K - $1M ☐	$1M - $10M ☐	>$10M ☑
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:				

Project Benefits			
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☑ 1000+ AF
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☑ 1000+ AF
DACs Involvement *Y/N:*			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):			
Stormwater: *Reduction in Flood Damage (Y/N):*		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration *Y/N:*			
Climate Change: *Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness *Direct Benefits:*			
Other: *(Describe X amount of benefit)*			

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.	
☑	☐	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.
☑	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☑	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☐	☑	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☑	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☑	☐	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.
☑	☐	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- [x] Drought Preparedness
- [x] Use and Reuse Water More Efficiently
- [ ] Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- [ ] Expand Environmental Stewardship
- [ ] Practice Integrated Flood Management
- [ ] Protect Surface and Groundwater Quality
- [ ] Improve Tribal Water and Natural Resources
- [ ] Ensure Equitable Distribution of Benefits

Program Preferences

- [ ] Include Regional Projects or Programs
- [ ] 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
- [ ] Effectively Resolve Significant Water-Related Conflicts within or between Regions
- [ ] Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- [ ] Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- [ ] Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- [ ] Agricultural Lands Stewardship
- [ ] Agricultural Water Use Efficiency
- [x] Conjunctive Management and Groundwater Storage
- [ ] Conveyance - Delta, Regional/Local
- [ ] Desalination - Brackish & Seawater
- [x] Drinking Water Treatment and Distribution
- [ ] Economic Incentives
- [ ] Ecosystem Restoration
- [ ] Flood Risk Management
- [ ] Forest Management
- [ ] Groundwater/Aquifer Remediation
- [ ] Land Use Planning & Management
- [ ] Matching Water Quality to Water Use
- [ ] Pollution Prevention
- [ ] Precipitation Enhancement
- [ ] Recharge Areas Protection
- [ ] Recycled Municipal Water
- [ ] Salt & Salinity Management
- [ ] Surface Storage - CALFED
- [ ] Surface Storage - Regional/Local
- [ ] System Reoperation
- [ ] Urban Runoff Management
- [ ] Urban Water Use Efficiency
- [ ] Water Transfers
- [ ] Water-Dependent Recreation
- [ ] Watershed Management

Project No. 68R

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Storm Water Retention and Percolation in Hondo Wash Ruby Wash		
Project Sponsor:	Bighorn Desert View Water Agency and Mojave Water Agency (?) and/or other sponsors (water districts, city's, unincorp. County)		
If Joint Project, Other Partners:			
Project Website (if available):			
Project Contact Person: Marina West	Phone: 760-364-2315	FAX: 760-364-3412	Email: bdvwa2@mindspring.com

Project Description

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

Project Description (1-2 sentences):
Retain storm flows in Hondo Wash and other drainages in the area to enhance percolation potential into Ames groundwater basin (Pipes Subbasin) and provide a mechanism for flood control that does not currently exist. Includes studies to determine quantities of flow that could be captured annually, engineering feasibility for retention and percolation, and environmental impact overview (Initial Study). Water could be retained behind shallow berms or even dam structures along narrow sections of the wash. Water that is successfully captured and percolated minimizes downstream flood damage from scouring and preserves a resource that is otherwise wasted (flows to dry lake bed for evaporation).

Project Integration (Describe how the project does or could integrate with other projects in the Region):
Flood control and rainwater capture and reuse are regional challenges. Project can be integrated with the following projects already proposed, Project Nos. 8, 9, 14, 22, 29, 35, 43, 47, 53, 59, 63, 64, 75, 101 and 103.

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):
Conceptual

Project Location

Descriptive (Description of property location etc.):
Along "upper" Hondo Wash above the desert floor where rainfall totals are highest. Concept could be applied to other washes in the water shed (Pipes Wash, Covington Wash, Water Canyon - all in the Morongo Basin. Probably similar areas outside the Morongo Basin).

Latitude/Longitude - info available at: http://geocoder.us/	Lat: 34.250787	Long: -116.463356

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost: est. near $100K	<$100K ☐	$100K - $1M ☑	$1M - $10M ☐	>$10M ☐
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion: 2014-2025				

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☑ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☑ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☑ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:*	Yes		
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater:	*Reduction in Flood Damage (Y/N):* Yes	Multi-benefit Y/N: Y (?)		
Multi-stakeholder project/regional collaboration	*Y/N:*	Y - possibly with similar projects		
Climate Change:	*Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness	*Direct Benefits:*			
Other: *(Describe X amount of benefit)*				

If 100 AF could be captured and percolated per year that would provide for about 7% of the groundwater resource used by multiple parties under the Ames/Reche Groundwater Management Plan and Stipulated Judgment if that water was otherwise counted as lost due to runoff during high flow storm events.

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.	
☑	☐	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.
☐	☑	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☑	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☑	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☑	☐	9. Improve stormwater management throughout the Plan area.
☑	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☑	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☑	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☑	☐	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.
☑	☐	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.
☐	☑	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
☑	Drought Preparedness
☑	Use and Reuse Water More Efficiently
☑	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
☐	Expand Environmental Stewardship
☑	Practice Integrated Flood Management
☑	Protect Surface and Groundwater Quality
☐	Improve Tribal Water and Natural Resources
☑	Ensure Equitable Distribution of Benefits

Program Preferences	
☐	Include Regional Projects or Programs
☐	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
☐	Effectively Resolve Significant Water-Related Conflicts within or between Regions
☐	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
☐	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
☐	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies			
☐	Agricultural Lands Stewardship	☐	Pollution Prevention
☐	Agricultural Water Use Efficiency	☐	Precipitation Enhancement
☑	Conjunctive Management and Groundwater Storage	☐	Recharge Areas Protection
☑	Conveyance - Delta, Regional/Local	☐	Recycled Municipal Water
☐	Desalination - Brackish & Seawater	☐	Salt & Salinity Management
☐	Drinking Water Treatment and Distribution	☐	Surface Storage - CALFED
☐	Economic Incentives	☐	Surface Storage - Regional/Local
☐	Ecosystem Restoration	☐	System Reoperation
☑	Flood Risk Management	☑	Urban Runoff Management
☐	Forest Management	☐	Urban Water Use Efficiency
☐	Groundwater/Aquifer Remediation	☐	Water Transfers
☑	Land Use Planning & Management	☐	Water-Dependent Recreation
☐	Matching Water Quality to Water Use	☑	Watershed Management

Project No. 72

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name: Indian Cove Stormwater Capture and Recharge Project			
Project Sponsor: Twentynine Palms Water District/Joshua Basin Water District			
If Joint Project, Other Partners: See Above			
Project Website (if available):			
Project Contact Person: Tamara Alaniz	Phone	FAX	Email

Project Description
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)
Conceptual - Stormwater Capture and Recharge
Project Description (1 -2 sentences):
The Department of Water Resources has identified the safe yield for the Indian Cove groundwater basin, limiting production to 1,500 acre-feet per year to avoid overdraft. This project could mitigate past over-drafting and prevent future declines in water levels within this shared basin.
Project Integration (Describe how the project does or could integrate with other projects in the Region):
This ides stems from a joint discussion between the Twentynine Palms and Joshua Basin Water Districts, in order to recharge the Indian Cove groundwater basin through stormwater capture.
Project Source (Cite Plan(s) to which the project belongs (e.g., Watershed Master Plans, Capital Improvement Plans]):
Not presently included in adopted plans, but the concept is identified in the 2010 29PWD UWMP

Project Location		
Descriptive (Description of property location etc.): Indian Cove Groundwater Basin, western portion of Twentynine Palms Water District service area and eastern portion of Joshua Basin Water District service area.		
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 ☐	$100K - $1M ☐	$1M - $10M ☐	>$10M ☐
Project Status (Check all that apply):	Conceptual ☐	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion: 2016-2017				

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:* Yes			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater:	*Reduction in Flood Damage (Y/N):*	Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration	*Y/N:* Yes			
Climate Change:	*Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness	*Direct Benefits:*			
Other: *(Describe X amount of benefit)*				

Limited flood control benefits

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.	
☑	☐	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.
☑	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☑	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☐	☑	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☐	☐	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- [x] Drought Preparedness
- [ ] Use and Reuse Water More Efficiently
- [ ] Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- [ ] Expand Environmental Stewardship
- [ ] Practice Integrated Flood Management
- [x] Protect Surface and Groundwater Quality
- [ ] Improve Tribal Water and Natural Resources
- [x] Ensure Equitable Distribution of Benefits

Program Preferences

- [ ] Include Regional Projects or Programs
- [x] 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
- [ ] Effectively Resolve Significant Water-Related Conflicts within or between Regions
- [ ] Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- [x] Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- [x] Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- [ ] Agricultural Lands Stewardship
- [ ] Agricultural Water Use Efficiency
- [ ] Conjunctive Management and Groundwater Storage
- [ ] Conveyance - Delta, Regional/Local
- [ ] Desalination - Brackish & Seawater
- [x] Drinking Water Treatment and Distribution
- [ ] Economic Incentives
- [ ] Ecosystem Restoration
- [ ] Flood Risk Management
- [ ] Forest Management
- [x] Groundwater/Aquifer Remediation
- [ ] Land Use Planning & Management
- [x] Matching Water Quality to Water Use
- [ ] Pollution Prevention
- [ ] Precipitation Enhancement
- [ ] Recharge Areas Protection
- [ ] Recycled Municipal Water
- [x] Salt & Salinity Management
- [ ] Surface Storage - CALFED
- [ ] Surface Storage - Regional/Local
- [ ] System Reoperation
- [ ] Urban Runoff Management
- [ ] Urban Water Use Efficiency
- [ ] Water Transfers
- [ ] Water-Dependent Recreation
- [x] Watershed Management

Project No. 73

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name: Indian Cove Stormwater Capture and Recharge Project			
Project Sponsor: Twentynine Palms Water District/Joshua Basin Water District			
If Joint Project, Other Partners: See Above			
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
Tamara Alaniz	760-367-7546		talaniz@29palmswater.org

Project Description

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

Conceptual - Stormwater Capture and Recharge

Project Description (1 -2 sentences):

The Department of Water Resources has identified the safe yield for the Indian Cove groundwater basin, limiting production to 1,500 acre-feet per year to avoid overdraft. This project could mitigate past over-drafting and prevent future declines in water levels within this shared basin.

Project Integration (Describe how the project does or could integrate with other projects in the Region):

This ides stems from a joint discussion between the Twentynine Palms and Joshua Basin Water Districts, in order to recharge the Indian Cove groundwater basin through stormwater capture.

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):

Not presently included in adopted plans, but the concept is identified in the 2010 29PWD UWMP

Project Location

Descriptive (Description of property location etc.):

Indian Cove Groundwater Basin, western portion of Twentynine Palms Water District service area and eastern portion of Joshua Basin Water District service area.

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	$100K - $1M	$1M - $10M	>$10M
	☐	☐	☑	☐

Project Status (Check all that apply):	Conceptual	In-Design	Ready to Implement	CEQA Complete	N/A
	☐	☑	☐	☐	☐

Estimated Year of Completion:
2016-2017

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☑ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:* Yes			
Public Access, Open Space, Habitat, Recreation (*acres created/restored):*				
Stormwater:	*Reduction in Flood Damage (Y/N):*	Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration	*Y/N:* Yes			
Climate Change:	*Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness	*Direct Benefits:*			
Other: *(Describe X amount of benefit)*				

Limited flood control benefits

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.	
☐	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☑	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☑	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☐	☑	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☑	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☐	☐	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.
☑	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
☐	Drought Preparedness
☑	Use and Reuse Water More Efficiently
☐	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
☑	Expand Environmental Stewardship
☐	Practice Integrated Flood Management
☑	Protect Surface and Groundwater Quality
☑	Improve Tribal Water and Natural Resources
☐	Ensure Equitable Distribution of Benefits

Program Preferences	
☐	Include Regional Projects or Programs
☑	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
☐	Effectively Resolve Significant Water-Related Conflicts within or between Regions
☐	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
☑	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
☐	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies			
☐	Agricultural Lands Stewardship	☑	Pollution Prevention
☐	Agricultural Water Use Efficiency	☐	Precipitation Enhancement
☐	Conjunctive Management and Groundwater Storage	☐	Recharge Areas Protection
☐	Conveyance - Delta, Regional/Local	☐	Recycled Municipal Water
☐	Desalination - Brackish & Seawater	☑	Salt & Salinity Management
☑	Drinking Water Treatment and Distribution	☐	Surface Storage - CALFED
☐	Economic Incentives	☐	Surface Storage - Regional/Local
☐	Ecosystem Restoration	☐	System Reoperation
☐	Flood Risk Management	☐	Urban Runoff Management
☐	Forest Management	☑	Urban Water Use Efficiency
☑	Groundwater/Aquifer Remediation	☐	Water Transfers
☐	Land Use Planning & Management	☐	Water-Dependent Recreation
☑	Matching Water Quality to Water Use	☑	Watershed Management

Mojave IRWM Plan
Integrated Regional Water Management Plan

Project No. 74R

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Water Infrastructure Restoration Program: Pipeline Installation/Replacement Project		
Project Sponsor:	Bighorn-Desert View Water Agency		
If Joint Project, Other Partners:			
Project Website (if available):			
Project Contact Person: Marina West	Phone: 760-364-2315	FAX: 760-364-3412	Email: bdvwa2@mindspring.com

Project Description

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

Conceptual from BDVWA 2007 Water Master Plan

Project Description (1 -2 sentences):

The existing BDVWA infrastructure has deficiencies which prevent it from meeting fire flow due to heavy reliance on 6-inch water mains and Class B fire hydrants; an inability to refill most reservoirs overnight after a 500-gallons per minute fire; and inefficient operation of two zones (E-2 and E-3) due to the manner in which they were originally constructed. Project would improve pressure, fire protection adn public safety.

Project Integration (Describe how the project does or could integrate with other projects in the Region):

This project could be integrated with the small system reorganization and system-wide improvement projects listed.

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):

BDVWA Water Master Plan and 2010 Water Infrastructure Restoration Program: ...Pipeline Installation/Replacement Project CEQA - Mitigated Negative Declaration certified June 29, 2010.

Project Location

Descriptive (Description of property location etc.):

Mainline "backbone" upgrade from the south end to the north end of the Agency's pressurized water system, upgrade fire hydrants and install additional isolation valves per Agency Master Plan.

Latitude/Longitude - info available at: http://geocoder.us/	Lat: 34.241801	Long: -116.456263

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate): Estimated Cost:		<$100K	$100K - $1M	$1M - $10M	>$10M
		☐	☐	☑	☐
Project Status (Check all that apply):	CEQA completed 2010, permits may still be required. NEPA may be required	Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☑ N/A ☐
Estimated Year of Completion:	Growth in Agency will dictate necessary completion schedule.				

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Water Supply: *New Supply Created (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
DACs Involvement *Y/N:*	Yes			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater: *Reduction in Flood Damage (Y/N):*			Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration *Y/N:*	possibly			
Climate Change: *Helps assess potential impacts (Y/N):*				
Environmental Stewardship/Public Awareness *Direct Benefits:*				
Other: *(Describe X amount of benefit)*				

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.	
☐	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☑	☑	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☐	☐	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.
☑	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☑	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☐	☑	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- ☐ Drought Preparedness
- ☐ Use and Reuse Water More Efficiently
- ☐ Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- ☐ Expand Environmental Stewardship
- ☐ Practice Integrated Flood Management
- ☐ Protect Surface and Groundwater Quality
- ☐ Improve Tribal Water and Natural Resources
- ☑ Ensure Equitable Distribution of Benefits

Program Preferences

- ☐ Include Regional Projects or Programs
- ☐ 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
- ☐ Effectively Resolve Significant Water-Related Conflicts within or between Regions
- ☐ Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- ☐ Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- ☐ Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- ☐ Agricultural Lands Stewardship
- ☐ Agricultural Water Use Efficiency
- ☐ Conjunctive Management and Groundwater Storage
- ☐ Conveyance - Delta, Regional/Local
- ☐ Desalination - Brackish & Seawater
- ☑ Drinking Water Treatment and Distribution
- ☐ Economic Incentives
- ☐ Ecosystem Restoration
- ☐ Flood Risk Management
- ☐ Forest Management
- ☐ Groundwater/Aquifer Remediation
- ☑ Land Use Planning & Management
- ☐ Matching Water Quality to Water Use
- ☐ Pollution Prevention
- ☐ Precipitation Enhancement
- ☐ Recharge Areas Protection
- ☐ Recycled Municipal Water
- ☐ Salt & Salinity Management
- ☐ Surface Storage - CALFED
- ☐ Surface Storage - Regional/Local
- ☐ System Reoperation
- ☐ Urban Runoff Management
- ☐ Urban Water Use Efficiency
- ☐ Water Transfers
- ☐ Water-Dependent Recreation
- ☐ Watershed Management

Project No. 82

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Wrightwood Imported Water Project		
Project Sponsor:	Golden State Water Co - Wrightwood		
If Joint Project, Other Partners:			
Project Website (if available):			
Project Contact Person: Perry Dahlstrom	Phone: 760-247-3391 ext101	FAX:	Email: Perry.Dahlstrom@gswater.com

Project Description

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

The project includes study, design and facilities.

Project Description (1 -2 sentences):

Install a well near Desert Front Road, including a pump station and transmission main to import water from the lower elevations south of the town into the higher elevations in the north. Includes study, design and facilities.

Project Integration (Describe how the project does or could integrate with other projects in the Region):

During two periods of low precipitation, GSWC had to truck water to the Wrightwood system. Based on analysis of the precipitation and subsequent recharge patterns this conditions will repeat with two consecutive below normal precipitation periods. The system needs a reliable source of supply under all climate conditions and possibly participate in the Mojave Water Agency's Regional Recharge and Recovery Project (R-Cubed).

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):

Capital Improvement, water reliability, drought reliability

Project Location

Descriptive (Description of property location etc.):

TBD

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 ☐	$100K - $1M ☐	$1M - $10M ☐	>$10M ☑
Project Status (Check all that apply):	Conceptual ☑	In-Design ☑	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:	2018			

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Water Supply: *New Supply Created (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
DACs Involvement *Y/N:*				No
Public Access, Open Space, Habitat, Recreation (*acres created/restored*).				
Stormwater: *Reduction in Flood Damage (Y/N):* N			Multi-benefit Y/N: N	
Multi-stakeholder project/regional collaboration *Y/N:*			Yes	
Climate Change: *Helps assess potential impacts (Y/N):*			Yes	
Environmental Stewardship/Public Awareness *Direct Benefits:*				
Other: *(Describe X amount of benefit)*				

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.	
☑	☐	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.
☑	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☑	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☑	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☑	9. Improve stormwater management throughout the Plan area.
☐	☑	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☑	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☑	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☑	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☑	☐	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.
☑	☐	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.
☐	☑	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☑	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- ☐ Drought Preparedness
- ☐ Use and Reuse Water More Efficiently
- ☐ Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- ☐ Expand Environmental Stewardship
- ☐ Practice Integrated Flood Management
- ☐ Protect Surface and Groundwater Quality
- ☐ Improve Tribal Water and Natural Resources
- ☐ Ensure Equitable Distribution of Benefits

Program Preferences

- ☐ Include Regional Projects or Programs
- ☐ 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
- ☐ Effectively Resolve Significant Water-Related Conflicts within or between Regions
- ☐ Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- ☐ Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- ☐ Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- ☐ Agricultural Lands Stewardship
- ☐ Agricultural Water Use Efficiency
- ☐ Conjunctive Management and Groundwater Storage
- ☐ Conveyance - Delta, Regional/Local
- ☐ Desalination - Brackish & Seawater
- ☐ Drinking Water Treatment and Distribution
- ☐ Economic Incentives
- ☐ Ecosystem Restoration
- ☐ Flood Risk Management
- ☐ Forest Management
- ☐ Groundwater/Aquifer Remediation
- ☐ Land Use Planning & Management
- ☐ Matching Water Quality to Water Use
- ☐ Pollution Prevention
- ☐ Precipitation Enhancement
- ☐ Recharge Areas Protection
- ☐ Recycled Municipal Water
- ☐ Salt & Salinity Management
- ☐ Surface Storage - CALFED
- ☐ Surface Storage - Regional/Local
- ☐ System Reoperation
- ☐ Urban Runoff Management
- ☐ Urban Water Use Efficiency
- ☐ Water Transfers
- ☐ Water-Dependent Recreation
- ☐ Watershed Management

Project No. 86

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Alta Loma Reservoir Replacement		
Project Sponsor:	Hi-Desert Water District		
If Joint Project, Other Partners:	N/A		
Project Website (if available):	N		
Project Contact Person:	Phone	FAX	Email
Mark Ban	(760) 365-7412	(760) 365-0599	markb@hdwd.com

Project Description

Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)
Water Infrastructure Improvement

Project Description (1 -2 sentences):
Replace current 1 MG welded steel reservoir that is deficient in capacity by 250,000 gallons with a new 2 MG reservoir.

Project Integration (Describe how the project does or could integrate with other projects in the Region):
N/A

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):
Captial Improvement Plan (2007 Water System Master Plan)

Project Location

Descriptive (Description of property location etc.):
On Sage Ave, approx. 1,000 ft. north of Kismet Dr.

Latitude/Longitude - info available at: http://geocoder.us/	Lat: 34°05'24.81"N	Long: 116°25'23.04"W

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<$100K ☐	$100K - $1M ☐	$1M - $10M ☑	>$10M ☐
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:	2016-17			

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:*			Y
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):			N/A	
Stormwater:	*Reduction in Flood Damage (Y/N):* N/A		Multi-benefit Y/N: N	
Multi-stakeholder project/regional collaboration	*Y/N:*		N	
Climate Change:	*Helps assess potential impacts (Y/N):*		N	
Environmental Stewardship/Public Awareness	*Direct Benefits:*	N/A	N/A	N/A
Other: *(Describe X amount of benefit)*				
Increase of 1 MG in water storage capacity to ensure adequate emergency storage (current 250k deficit).				

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.	
☐	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☐	☐	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.
☐	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☑	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☑	☐	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- ☐ Drought Preparedness
- ☐ Use and Reuse Water More Efficiently
- ☐ Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- ☐ Expand Environmental Stewardship
- ☐ Practice Integrated Flood Management
- ☐ Protect Surface and Groundwater Quality
- ☐ Improve Tribal Water and Natural Resources
- ☐ Ensure Equitable Distribution of Benefits

Program Preferences

- ☐ Include Regional Projects or Programs
- ☐ 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
- ☐ Effectively Resolve Significant Water-Related Conflicts within or between Regions
- ☐ Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- ☑ Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- ☐ Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

☐ Agricultural Lands Stewardship	☐ Pollution Prevention
☐ Agricultural Water Use Efficiency	☐ Precipitation Enhancement
☐ Conjunctive Management and Groundwater Storage	☐ Recharge Areas Protection
☐ Conveyance - Delta, Regional/Local	☐ Recycled Municipal Water
☐ Desalination - Brackish & Seawater	☐ Salt & Salinity Management
☑ Drinking Water Treatment and Distribution	☐ Surface Storage - CALFED
☐ Economic Incentives	☐ Surface Storage - Regional/Local
☐ Ecosystem Restoration	☑ System Reoperation
☐ Flood Risk Management	☐ Urban Runoff Management
☐ Forest Management	☐ Urban Water Use Efficiency
☐ Groundwater/Aquifer Remediation	☐ Water Transfers
☐ Land Use Planning & Management	☐ Water-Dependent Recreation
☐ Matching Water Quality to Water Use	☐ Watershed Management

Project No. 92R

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: *

Hi-Desert Water District

Agency / Organization / Individual Address:

55439 29 Palms Hwy.
Yucca Valley, CA. 92284

Possible Partnering Agencies:

Name:*

Mark Ban

Title:

Assistant General Manager

Telephone:* (760) 365-7412

Fax: (760) 365-0599

Email:*

markb@hdwd.com

Website:

www.hdwd.com

Project Name:*

Wastewater Reclamation Project

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: 34°07'51.28"N **Project Longitude:** 116°22' 28.90"W

Location Description:	Centralized wastewater treatment and collection system within the Town of Yucca Valley, CA. Treatment facility location is west of La Contenta Rd. with a cross street to the south of Sunnyslope Dr. Wastewater collection facilities are planned for the majority of the Town of Yucca Valley limits. (Lat and Long provided above is relative to proposed treatment plant location).

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

- Colorado River Basin Regional Water Quality Control Board
- Town of Yucca Valley
- Hi-Desert Water District's Public Advisory Committee
- Mojave Water Agency
- State Water Resources Control Board
- United States Bureau of Reclamation
- Department of Water Resources

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

New; currently undergoing collection system design.

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

Implementable Project

*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.

The Colorado River Basin Regional Water Quality Control Board (the "Regional Board") identified the Town of Yucca Valley as a priority for the elimination of septic tanks due to increased nitrate concentrations within produced water extracted from the Warren Valley Subbasin (the "Basin"). The Basin serves as the primary source of water for Hi-Desert Water District (the "District") and the Town's environs. Currently, septic tanks are the primary method of wastewater disposal.
As a result of septic tank discharge, septage has been allowed to infiltrate the Basin causing nitrate concentrations to exceed the California Department of Public Health's (CDPH) maximum contaminant level (MCL) for nitrate of 45 milligrams per liter (mg/L). Due to the contamination of the Basin, on May 19, 2011, the Regional Board, through an amendment of the local Water Quality Control Plan ("Basin Plan") adopted a septic tank prohibition for the Town. The Prohibition becomes enforceable on three specific dates

based on a phased approach outlined within the District's Sewer Master Plan referred to as Phases I, II and III. The prohibition dates for each Phase are May 19, 2016, 2019 and 2022 respectively.
Without the implementation of this project, the community's water supply will continue to be contaminated by nitrates and other potential contaminates found within septic discharge. In addition, allocations of State Water Project water used to recharge the Basin to combat historic overdraft conditions and provide a water supply for current and future water demands would also continue to be contaminated by the discharge of septage. Following the Prohibition dates, if not successful in implementing the project, each property owner will receive cease and desist orders from the Regional Board demanding that all discharges from septic tanks be stopped. Failure to comply will result in fines for non-compliance. Not only does this project play a vital role in providing a sustainable water supply for the Town of Yucca Valley; but the adverse economic impacts that would be realized without implementation would have a negative impact on both the current and futures growth of the community.

*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.

The District's Wastewater Reclamation Project has been determined to be the most viable method of ensuring the Town's compliance with the Regional Board's adoption of the septic tank discharge Prohibition. The project will provide centralized treatment of wastewater generated within the Town at a level consistent with that of the local discharge requirements of both the Regional Board and the CDPH. Wastewater will be collected and conveyed through a series of pipelines that make up the WRP's collection system. Once delivered to the treatment facility, the treated wastewater will be discharged into the East Hydrogeologic Subunit of the Warren Subbasin providing a future source of extractable groundwater.

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

- Warren Valley Subbasin
- State Water Project allocations

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):

- 2003 USGS Publication; Evaluation of the Source and Transport of High Nitrate Concentrations in Ground Water, Warren Subbasin, California

• 2009 Sewer Master Plan (MWH)
• 2011 Colorado River Basin Regional Water Quality Control Board Basin Plan Amendment
• 2013 Atkins North America Preliminary Design Report

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

☒ 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.
☐ Medium	The project does not use common or widely accepted technology/practices, but substantial documentation is available on proposed benefits and project success.
☐ 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
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.	☐ Primary	☒ Secondary	☐ NA	Provides treated discharge to the East HGU of the Warren Subbasin for future banked supplies.
3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	☐ Primary	☒ Secondary	☐ NA	The Warren Subbasin has experienced overdraft conditions in the past, which was mitigated by the introduction of SWP water, recharged into the Basin. The project allows for treated water to be "banked" for future use.
7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	☒ Primary	☐ Secondary	☐ NA	The Town of Yucca Valley is considered a DAC. This project would benefit this community by ensuring a safe, clean water supply is available now and in the future.
8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	☐ Primary	☐ Secondary	☒ NA	

Mojave IRWM Plan Objective	Contribution			Description
9. Improve stormwater management throughout the Plan area.	☐ Primary	☐ Secondary	☒ NA	
2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	☐ Primary	☒ Secondary	☐ NA	This project would reclaim wastewater and treat it to a level that can be discharged and extracted at a later date.
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.	☒ Primary	☐ Secondary	☐ NA	This project not only preserves local native groundwater supplies; but also those SWP allocations delivered to the Basin.
11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	☐ Primary	☐ Secondary	☒ NA	
13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	☐ Primary	☐ Secondary	☒ NA	
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	☐ Primary	☐ Secondary	☒ NA	

Mojave IRWM Plan Objective	Contribution			Description
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.	☐ Primary	☒ Secondary	☐ NA	By banking treated effluent; this project reduces the District's reliance on imported water and also allows for the water quality of current deliveries to be preserved for future use.
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.	☐ Primary	☒ Secondary	☐ NA	Treated wastewater discharged into the East Subbasin adds another recharge location to the District's groundwater storage facility inventory. In addition, by mitigating the threat of septic tank discharge Basin wide; septage will no longer fill available pore space within the unsaturated zone and an additional safe layer of groundwater storage may be created increasing the District's water banking potential.
12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	☐ Primary	☒ Secondary	☐ NA	This project has already brought increased awareness as to the protection of the Basin's water quality – and its implementation would continue to do so throughout the planning horizon.
6. Prevent land subsidence throughout the Region.	☐ Primary	☐ Secondary	☒ NA	

*PART 5: RESOURCE MANAGEMENT STRATEGIES**

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

Reduce Water Demands			
☐ Primary	☐ Secondary	☒ NA	Agricultural Water Use Efficiency
☐ Primary	☐ Secondary	☒ NA	Urban Water Use Efficiency
Improve Operational Efficiency and Transfers			
☐ Primary	☐ Secondary	☒ NA	Conveyance – Delta, Regional/Local
☐ Primary	☐ Secondary	☒ NA	System Reoperation

☐ Primary	☐ Secondary	☒ NA	Water Transfers
☐ Primary	☐ Secondary	☒ NA	Other (Please State):_____
Increase Water Supply			
☐ Primary	☒ Secondary	☐ NA	Conjunctive Management and Groundwater Storage
☐ Primary	☐ Secondary	☒ NA	Desalination – Brackish/Seawater
☐ Primary	☐ Secondary	☒ NA	Precipitation Enhancement
☐ Primary	☐ Secondary	☒ NA	Recycled Municipal Water
☐ Primary	☐ Secondary	☒ NA	Surface Storage – CALFED or Regional/Local
☐ Primary	☐ Secondary	☒ NA	Other (Please State): _____
Improve Water Quality			
☒Primary	☐Secondary	☒ NA	Drinking Water Treatment and Distribution
☒ Primary	☐ Secondary	☐ NA	Groundwater/Aquifer Remediation
☐ Primary	☐ Secondary	☒ NA	Matching Quality to Use
☒ Primary	☐ Secondary	☐ NA	Pollution Prevention
☐ Primary	☒ Secondary	☐ NA	Salt and Salinity Management
☐ Primary	☒ Secondary	☐ NA	Urban Runoff Management
☐ Primary	☐ Secondary	☒ NA	Other (Please State) ____

Practice Resource Stewardship			
☐ Primary	☐ Secondary	☒ NA	Agricultural Lands Stewardship
☒ Primary	☐ Secondary	☐ NA	Economic Incentives (loans, grants, water pricing)
☐ Primary	☐ Secondary	☒ NA	Ecosystem Restoration
☐ Primary	☐ Secondary	☒ NA	Forest Management
☐ Primary	☒ Secondary	☐ NA	Land Use Planning and Management
☐ Primary	☒ Secondary	☐ NA	Recharge Areas Protection
☐ Primary	☐ Secondary	☒ NA	Water-Dependent Recreation
☐ Primary	☐ Secondary	☒ NA	Watershed Management
☐ Primary	☐ Secondary	☒ NA	Other (Please State): _____
Improve Flood Risk Management			
☐ Primary	☐ Secondary	☒ NA	Flood Risk Management

Other Strategies	
☐ Primary ☐ Secondary ☒ NA	Please State: _____

Is the proposed project an element or phase of a regional or larger program?	☐ Yes ☒ No
If yes, please identify the program	_____

*PART 6: PROJECT READINESS**

Item	Status (e.g., not initiated, in process, complete, N/A)	Expected Completion Date
Conceptual Plans	Complete	2009
Feasibility Study	Complete	
Preliminary Design and Cost Estimates	Complete	2009
CEQA/NEPA	Complete (CEQA/NEPA)	2009
Permits	In Process	
Construction Drawings	In Process (1 element / collection system – Phase I	09/01/2014
Funding	In Process (ongoing need)	07/31/2014

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

N/A

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

The District has applied for a loan for Phase I of the WRP through the Clean Water State Revolving Fund, which it must secure through the formation of an Assessment District consisting of benefiting property owners. Funding sources for the design and construction of Phase II and III of the project have not yet been identified.

*PART 7: 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)

This project will benefit the community as a whole by ensuring the sustainability of the District's primary drinking water supply; the Warren Subbasin. Through the collection and treatment of wastewater generated by residents within the Town of Yucca Valley; the threat of nitrate contamination will be mitigated and a clean, treated source of water introduced to the Basin.
In addition, future SWP water allocations recharged to the Basin will be protected from the septage infiltration as well ensuring that water intended for current and future use is of a high quality and protected from those contaminants found within septic tank discharges.

Does the project address environmental justice issues (including helping reduce inequitable distribution of environmental burdens and access to environmental goods)?
☐ Yes ☐ No ☒ Not Sure

Does the project address critical water issues (including water supply or water quality) of a disadvantaged community?
☒ Yes ☐ No ☐ Not Sure

Does the project provide specific benefits to critical water issues for Native American tribal communities?
☐ Yes ☒ No ☐ Not Sure
If yes, please identify the tribal community: _____

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

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

Upper estimated total capital cost ($): 125,000,000 **

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

———

Annual Operation and Maintenance Cost ($): TBD

Design Life of Project (years): Collection System: 50 years Treatment Fac.: As regulated

Economic Feasibility

Is the project cost-effective?		
☒ Yes	☐ No	☐ Not Sure
Does the project have a positive benefit-cost ratio?		
☒ Yes	☐ No	☐ Not Sure

** Estimates for Phases II and III have not yet been determined, though will be designed and constructed during the current planning horizon.

Allocation of Funds – Wastewater Reclamation Project

Task	Design ($USD)	Construction ($USD)	Total ($USD)
Collection System	6,000,000	90,000,000	96,000,000
Treatment Plant	4,000,000	25,000,000	29,000,000

Project No. 93

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: *

Victor Valley Wastewater Reclamation Authority

Agency / Organization / Individual Address:

15776 Main Street, Suite 3, Hesperia CA 92345

Possible Partnering Agencies:

Mojave Water Agency, Town of Apple Valley, City of Hesperia, City of Victorville, County Service Area 42 and County Service Area 64.

Name:*

Ryan Orr

Title:

Public Information Officer

Telephone:* 7609489849

Fax: 7609489897

Email:*

Rorr@vvwra.com

Website:

www.VVWRA.com

Project Name:*

Subregional Water Reclamation Plants

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:	The proposed Hesperia Facility will be located Northwest of the intersection of Tamarisk Avenue and Mojave Street. The Apple Valley Project will be located at the South entrance to Brewster Park along Otoe Road, East of Dale Evans Pkwy.

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

- Mojave Water Agency
- City of Hesperia
- Town of Apple Valley
- Victor Valley Wastewater Reclamation Authority

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

New

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

Implementable Project

*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.

These projects will provide critical new infrastructure via wastewater capacity that will allow the Victor Valley to continue to grow and an economically responsible level for years to come. In addition, this project will protect the areas groundwater by ultimately treating and reusing up to 8 Million Gallons per Day (MGD) of wastewater when they are built out.

This new drought-proof water supply will serve as new capacity for business growth and reuse enough wastewater by offsetting the current potable use of nearly 9,000 homes.

*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.

These two projects are scalping plants that will treat and reuse 1 MGD each when built and have the expansion potential to each treat and reuse 4 MGD of recycled water without increasing the projects' footprint. The projects have already received the discharge requirement from the Lahontan Regional Water Quality Control Board. The projects have been approved by the Apple Valley Town Council and will be heard by the Hesperia City Council on October 1, 2013. Design is complete and approval to release bids will be heard by the VVWRA board of commissioners in the near future.

All required environmental approvals and studies have been completed; $3.5 million in federal grant monies have been awarded to the project with another $3 million of potential awards. The projects are planned to bid simultaneously to save on construction costs. Each project will include percolation ponds for recycled water that is not purchased by the users that have been identified.

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):

- Bureau of Reclamation Title XVI Grant Application
- Project Design Plans
- CEQA Study

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

☒ 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.
☐ Medium	The project does not use common or widely accepted technology/practices, but substantial documentation is available on proposed benefits and project success.
☐ 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
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.	☐ Primary	☒ Secondary	☐ NA	
3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	☐ Primary	☒ Secondary	☐ NA	
7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	☐ Primary	☒ Secondary	☐ NA	
8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	☐ Primary	☐ Secondary	☒ NA	
9. Improve stormwater management throughout the Plan area.	☐ Primary	☐ Secondary	☒ NA	
2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	☐ Primary	☒ Secondary	☐ 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.	☐ Primary	☒ Secondary	☐ NA	
11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	☐ Primary	☐ Secondary	☐ 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.	☐ Primary	☒ Secondary	☐ NA	
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	☒ Primary	☐ Secondary	☐ 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.	☒ Primary	☐ Secondary	☐ 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.	☐ Primary	☒ Secondary	☐ NA	
12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	☐ Primary	☒ Secondary	☐ NA	
6. Prevent land subsidence throughout the Region.	☐ Primary	☐ Secondary	☒ NA	

*PART 5: RESOURCE MANAGEMENT STRATEGIES**

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

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

Practice Resource Stewardship			
☐ Primary	☐ Secondary	☒ NA	Agricultural Lands Stewardship
☐ Primary	☒ Secondary	☐ NA	Economic Incentives (loans, grants, water pricing)
☐ Primary	☐ Secondary	☒ NA	Ecosystem Restoration
☐ Primary	☐ Secondary	☒ NA	Forest Management
☐ Primary	☐ Secondary	☒ NA	Land Use Planning and Management
☐ Primary	☐ Secondary	☒ NA	Recharge Areas Protection
☐ Primary	☐ Secondary	☒ NA	Water-Dependent Recreation
☐ Primary	☐ Secondary	☐ NA	Watershed Management
☐ Primary	☐ Secondary	☒ NA	Other (Please State): _____
Improve Flood Risk Management			
☐ Primary	☐ Secondary	☒ NA	Flood Risk Management
Other Strategies			
☐ Primary	☐ Secondary	☒ NA	Please State: _____

Is the proposed project an element or phase of a regional or larger program?	☒ Yes ☐ No
If yes, please identify the program	Meeting the water strategy goals for the Victor Valley

*PART 6: PROJECT READINESS**

Item	Status (e.g., not initiated, in process, complete, N/A)	Expected Completion Date
Conceptual Plans	Complete	_____ (mm/dd/yyyy)
Feasibility Study	N/A	_____ (mm/dd/yyyy)
Preliminary Design and Cost Estimates	Complete	_____ (mm/dd/yyyy)
CEQA/NEPA	Complete	_____ (mm/dd/yyyy)
Permits	Complete	_____ (mm/dd/yyyy)
Construction Drawings	Complete	_____ (mm/dd/yyyy)
Funding	In process	_____ (01/30/2014)

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.

$3.5 million has been awarded through the Bureau of Reclamation's Title XVI program and Proposition 84 grand funds. With the support of MWA, VVWRA is eligible for an additional $3 million in Title XVI grant funding. The remainder will be acquired through a low-interest State Revolving Fund Loan. The application has been submitted and a preliminary funding commitment letter is expected in the near future.

*PART 7: 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)

Ultimately these projects will have the capability of offsetting 8,960 feet per year of potable water through the treatment and reuse of recycled water. The projects will also provide critical increased wastewater capacity for future economic growth throughout the Victor Valley. This project also helps meet the strategic goals set forth by the Town of Apple Valley, City of Hesperia and Mojave Water Agency in utilizing recycled water as party of the water master or integrated water management plans.

Does the project address environmental justice issues (including helping reduce inequitable distribution of environmental burdens and access to environmental goods)?
☐ **Yes** ☐ **No** ☒ **Not Sure**

Does the project address critical water issues (including water supply or water quality) of a disadvantaged community?
☒ **Yes** ☐ **No** ☐ **Not Sure**

Does the project provide specific benefits to critical water issues for Native American tribal communities?
☐ **Yes** ☒ **No** ☐ **Not Sure**
If yes, please identify the tribal community: _____

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

Adaptation to Climate Change		
☒	Increases Water Supply Reliability	
☒	Advances/ Expands Conjunctive Management of Multiple Water Supply Sources	
☒	Increases Water Use and/or Reuse Efficiency	
☒	Provides Additional Water Supply	
☐	Promotes Water Quality Protection	
☒	Reduces Water Demand	
☒	Advances/Expands Water Recycling	
☐	Promotes Urban Runoff Reuse	
☐	Addresses Sea Level Rise	
☐	Addresses other Anticipated Climate Change Impact (e.g. through water management system modifications) Please State:	
☐	Improves Flood Control (e.g. through wetlands restoration, management, protection)	
☐	Promotes Habitat Protection	
	☐	Establishes Migration Corridors
	☐	Re-establishes River-Floodplain Hydrologic Continuity
	☐	Re-introduces Anadromous Fish Populations to Upper Watersheds
	☐	Enhances and Protects Upper Watershed Forests and Meadow Systems
	☐	Other (Please State):
☐	Other (Please State):____	
Reduces Greenhouse Gas Emissions and/or Energy Consumption		
☒	Promotes Energy-Efficient Water Demand Reduction or Increases Water Use Efficiency	
☐	Improves Water System Energy Efficiency	
☒	Advances/Expands Water Recycling	
☐	Promotes Urban Runoff Reuse that Leads to Reduced Energy Demand	
☐	Promotes Use of Renewable Energy Sources	
☐	Contributes to Carbon Sequestration (e.g. through vegetation growth)	
☐	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 ($): $58,800,620

Upper estimated total capital cost ($):

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

Annual Operation and Maintenance Cost ($): $1,484.000

Design Life of Project (years): 30 Years

Economic Feasibility

Is the project cost-effective?		
☒ Yes	☐ No	☐ Not Sure
Does the project have a positive benefit-cost ratio?		
☒ Yes	☐ No	☐ Not Sure

Project No. 94R

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Fluoride and Arsenic Treatment		
Project Sponsor:	City of Adelanto		
If Joint Project, Other Partners:			
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
John R. Sponsler	760-246-2300 ext. 3006	760-246-3242	jsponsler@ci.adelanto.ca.us

Project Description

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

Project Description (1 -2 sentences):
Construct an Arsenic and Fluoride Treatment System for Potable Water Wells 8A, 5A and 4. Wells are in violation of current EPA MCL's

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]):
Capital Improvement Plan

Project Location

Descriptive (Description of property location etc.):
16700 Adelanto Road, Adelanto, CA 92301 (Stater Brothers Stadium). 14699 Turner Road A, 14699 Turner Road B.

Latitude/Longitude - info available at: http://geocoder.us/	Lat: 34.554307°	Long: 117.399457°

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate): Estimated Cost:	<$100K	$100K - $1M	$1M - $10M	>$10M
	☐	☑	☐	☐

Project Status (Check all that apply):	Conceptual	In-Design	Ready to Implement	CEQA Complete	N/A
	☑	☐	☐	☐	☐

Estimated Year of Completion: 2014

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement *Y/N:*				
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater: *Reduction in Flood Damage (Y/N):*		Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration *Y/N:*				
Climate Change: *Helps assess potential impacts (Y/N):*				
Environmental Stewardship/Public Awareness *Direct Benefits:*				
Other: *(Describe X amount of benefit)*				

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.	
☑	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☑	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☑	☐	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.
☑	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- ☐ Drought Preparedness
- ☑ Use and Reuse Water More Efficiently
- ☐ Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- ☐ Expand Environmental Stewardship
- ☐ Practice Integrated Flood Management
- ☑ Protect Surface and Groundwater Quality
- ☐ Improve Tribal Water and Natural Resources
- ☐ Ensure Equitable Distribution of Benefits

Program Preferences

- ☐ Include Regional Projects or Programs
- ☐ 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
- ☐ Effectively Resolve Significant Water-Related Conflicts within or between Regions
- ☐ Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- ☑ Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- ☐ Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- ☐ Agricultural Lands Stewardship
- ☐ Agricultural Water Use Efficiency
- ☐ Conjunctive Management and Groundwater Storage
- ☐ Conveyance - Delta, Regional/Local
- ☐ Desalination - Brackish & Seawater
- ☑ Drinking Water Treatment and Distribution
- ☐ Economic Incentives
- ☐ Ecosystem Restoration
- ☐ Flood Risk Management
- ☐ Forest Management
- ☐ Groundwater/Aquifer Remediation
- ☐ Land Use Planning & Management
- ☐ Matching Water Quality to Water Use
- ☐ Pollution Prevention
- ☐ Precipitation Enhancement
- ☐ Recharge Areas Protection
- ☐ Recycled Municipal Water
- ☐ Salt & Salinity Management
- ☐ Surface Storage - CALFED
- ☐ Surface Storage - Regional/Local
- ☐ System Reoperation
- ☐ Urban Runoff Management
- ☐ Urban Water Use Efficiency
- ☐ Water Transfers
- ☐ Water-Dependent Recreation
- ☐ Watershed Management

Project No. 95

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: *

City of Adelanto

Agency / Organization / Individual Address:

11600 Air Expressway, Adelanto, CA 92301

Possible Partnering Agencies:

Name:*

Thomas W. Thornton, PE

Title:

City Engineer/ Public Works Director

Telephone:* (760) 246-2300 x3025

Fax: (760) 246-3242

Email:*

tthornton@ci.adelanto.ca.us

Website:

Project Name:*

Pearmain Relief Sewer Line

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: 34.590153 **Project Longitude:** -117.405117

Location Description:	The Pearmain Relief Sewer would run along Pearmain Road from Air Expressway northerly to our Existing Sewer Treatment facility. The line would basically parallel an exsiting line on Jonathan that is close to capacity.

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

-
-
-
-

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

New Project

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

Shelf ready construction project

*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.

The City of Adelanto's current waste water pipelines were designed to service the existing neighborhoods in the South half of the City. The change in zoning density and increased demand for service from the expanding commercial/ industrial developments to the south of the treatment facility has triggered the need for a relief sewer pipeline to be installed to handle the waste generated by the proposed projects. This project design is complete and is needed before the next economic upswing. The wastewater treatment plant is complete and permitted and is currently able to handle the new flows when they are generated.

If the project is not built there may be an increase in developments that take advantage of septic systems and would pose difficulties for higher demand projects to become feasible. It should be noted that the City of Adelanto is designated as **a disadvantaged community**.

*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.

The project would consist of the installation of 12 to 18 inch sewer main and manholes from the waste water treatment plant on Auburn to the intersection of Air Expressway and Pearmain. Conventional construction methods will be utilized for this project

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

• NA
•
•
•

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):

• City of Adelanto Sewer Master Plan
• Construction Plans for the Pearmain Relief Sewer
• Project is identified in the City's Capital Improvement Program

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

☒ 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.
☐ Medium	The project does not use common or widely accepted technology/practices, but substantial documentation is available on proposed benefits and project success.
☐ 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
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.	☐ Primary	☐ Secondary	☒ NA	
3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	☐ Primary	☒ Secondary	☐ NA	
7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	☒ Primary	☐ Secondary	☐ NA	
8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	☐ Primary	☒ Secondary	☐ NA	
9. Improve stormwater management throughout the Plan area.	☐ Primary	☐ Secondary	☒ NA	
2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	☐ Primary	☒ Secondary	☐ 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.	☒ Primary	☐ Secondary	☐ NA	
11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	☒ Primary	☐ Secondary	☐ 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.	☐ Primary	☐ Secondary	☒ NA	
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	☐ Primary	☒ Secondary	☐ 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.	☐ Primary	☐ Secondary	☒ NA	
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.	☐ Primary	☐ Secondary	☒ NA	
12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	☐ Primary	☒ Secondary	☐ NA	
6. Prevent land subsidence throughout the Region.	☐ Primary	☐ Secondary	☒ NA	

*PART 5: RESOURCE MANAGEMENT STRATEGIES**

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

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

Practice Resource Stewardship			
☐ Primary	☐ Secondary	☒ NA	Agricultural Lands Stewardship
☐ Primary	☐ Secondary	☒ NA	Economic Incentives (loans, grants, water pricing)
☐ Primary	☐ Secondary	☒ NA	Ecosystem Restoration
☐ Primary	☐ Secondary	☒ NA	Forest Management
☒ Primary	☐ Secondary	☐ NA	Land Use Planning and Management
☐ Primary	☒ Secondary	☐ NA	Recharge Areas Protection
☐ Primary	☐ Secondary	☒ NA	Water-Dependent Recreation
☐ Primary	☐ Secondary	☒ NA	Watershed Management
☐ Primary	☐ Secondary	☒ NA	Other (Please State): _____
Improve Flood Risk Management			
☐ Primary	☐ Secondary	☒ NA	Flood Risk Management
Other Strategies			
☐ Primary	☐ Secondary	☒ NA	Please State: _____

Is the proposed project an element or phase of a regional or larger program?	☐ Yes ☒ No
If yes, please identify the program	_____

*PART 6: PROJECT READINESS**

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

The City through project specific sewer feasibility studies have identified fair share contributions for the project which have been approved by City Council however due to the lack of construction activities very little has been contributed toward the project.

*PART 7: 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)

The City of Adelanto's current waste water pipelines were designed to service the existing neighborhoods in the South half of the City. The change in zoning density and increased demand for service from the expanding commercial/ industrial developments to the south of the treatment facility has triggered the need for a relief sewer pipeline to be installed to handle the waste generated by the proposed projects. This project design is complete and is needed before the next economic upswing. The wastewater treatment plant is complete and permitted and is currently able to handle the new flows when they are generated.

The benefits of the project are twofold:

1. Greater development opportunity for properties that currently do not have access to sewer.
2. The water savings cannot be quantified at this time but the effluent will be designated for recycled water which will reduce the need for potable water for the uses applied.

Does the project address environmental justice issues (including helping reduce inequitable distribution of environmental burdens and access to environmental goods)?
☐ **Yes** ☐ **No** ☒ **Not Sure**

Does the project address critical water issues (including water supply or water quality) of a disadvantaged community?
☒ **Yes** ☐ **No** ☐ **Not Sure**

Does the project provide specific benefits to critical water issues for Native American tribal communities?
☐ **Yes** ☒ **No** ☐ **Not Sure**
If yes, please identify the tribal community: _____

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

Adaptation to Climate Change		
☐	Increases Water Supply Reliability	
☐	Advances/ Expands Conjunctive Management of Multiple Water Supply Sources	
☒	Increases Water Use and/or Reuse Efficiency	
☐	Provides Additional Water Supply	
☒	Promotes Water Quality Protection	
☐	Reduces Water Demand	
☒	Advances/Expands Water Recycling	
☐	Promotes Urban Runoff Reuse	
☐	Addresses Sea Level Rise	
☐	Addresses other Anticipated Climate Change Impact (e.g. through water management system modifications) Please State:	
☐	Improves Flood Control (e.g. through wetlands restoration, management, protection)	
☐	Promotes Habitat Protection	
	☐	Establishes Migration Corridors
	☐	Re-establishes River-Floodplain Hydrologic Continuity
	☐	Re-introduces Anadromous Fish Populations to Upper Watersheds
	☐	Enhances and Protects Upper Watershed Forests and Meadow Systems
	☐	Other (Please State):
☐	Other (Please State):_____	
Reduces Greenhouse Gas Emissions and/or Energy Consumption		
☐	Promotes Energy-Efficient Water Demand Reduction or Increases Water Use Efficiency	
☐	Improves Water System Energy Efficiency	
☒	Advances/Expands Water Recycling	
☐	Promotes Urban Runoff Reuse that Leads to Reduced Energy Demand	
☐	Promotes Use of Renewable Energy Sources	
☐	Contributes to Carbon Sequestration (e.g. through vegetation growth)	
☐	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 ($): 1,200,000

Upper estimated total capital cost ($): 1,500,000

Of the total capital cost, please indicate the estimated cost for land purchase / easement ($):
0.00 All work will be performed in existing City right of ways

Annual Operation and Maintenance Cost ($): $10,000

Design Life of Project (years): 25

Economic Feasibility

Is the project cost-effective?		
☒ Yes	☐ No	☐ Not Sure
Does the project have a positive benefit-cost ratio?		
☒ Yes	☐ No	☐ Not Sure

Project No. 97

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Cooperative Reclaimed Water Project Between Adelanto and Victorville		
Project Sponsor:	City of Adelanto		
If Joint Project, Other Partners:	City of Victorville		
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
John R. Sponsler	760-246-2300 ext 3006	760-246-3242	jsponsler@ci.adelanto.ca.us

Project Description

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

Conceptual

Project Description (1 -2 sentences):

Coordinate the infrastructure needs of the City of Victorville for Reclaimed Water with the City of Adelanto's future ability to provide Reclaimed Water from their new 4.0 MGD Plant

Project Integration (Describe how the project does or could integrate with other projects in the Region):

Regionally this project would solve the need of the City of Adelanto for a customer to take its reclaimed water in a cost efficient manner due to the location of the Treatment facility as it relates to the City of Victorville's areas that can utilize reclaimed water. This would eliminate the need to use potable water for Victorville which would benefit the region as a whole.

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):

Capital Improvement Plan

Project Location

Descriptive (Description of property location etc.):

Southern California Logistics Center

Latitude/Longitude - info available at:	http://geocoder.us/	Lat: 34.5938	Long: -117.3974

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate): Estimated Cost:	<$100K	$100K - $1M	$1M - $10M	>$10M
	☐	☐	☑	☐

Project Status (Check all that apply):	Conceptual	In-Design	Ready to Implement	CEQA Complete	N/A
	☑	☐	☐	☐	☐

Estimated Year of Completion: 2014/15

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:*			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater:	*Reduction in Flood Damage (Y/N):*		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	*Y/N:*		Y	
Climate Change:	*Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness	*Direct Benefits:*		Y	
Other: *(Describe X amount of benefit)*				
Wastewater Pollution Prevention				

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.	
☐	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☑	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☑	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☑	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☑	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.
☐	☑	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.
☐	☑	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- ☐ Drought Preparedness
- ☑ Use and Reuse Water More Efficiently
- ☐ Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- ☑ Expand Environmental Stewardship
- ☐ Practice Integrated Flood Management
- ☐ Protect Surface and Groundwater Quality
- ☐ Improve Tribal Water and Natural Resources
- ☐ Ensure Equitable Distribution of Benefits

Program Preferences

- ☐ Include Regional Projects or Programs
- ☑ 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
- ☐ Effectively Resolve Significant Water-Related Conflicts within or between Regions
- ☐ Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- ☐ Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- ☑ Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

☐ Agricultural Lands Stewardship	☐ Pollution Prevention
☐ Agricultural Water Use Efficiency	☐ Precipitation Enhancement
☐ Conjunctive Management and Groundwater Storage	☐ Recharge Areas Protection
☐ Conveyance - Delta, Regional/Local	☑ Recycled Municipal Water
☐ Desalination - Brackish & Seawater	☐ Salt & Salinity Management
☐ Drinking Water Treatment and Distribution	☐ Surface Storage - CALFED
☐ Economic Incentives	☐ Surface Storage - Regional/Local
☐ Ecosystem Restoration	☐ System Reoperation
☐ Flood Risk Management	☐ Urban Runoff Management
☐ Forest Management	☐ Urban Water Use Efficiency
☐ Groundwater/Aquifer Remediation	☐ Water Transfers
☐ Land Use Planning & Management	☐ Water-Dependent Recreation
☐ Matching Water Quality to Water Use	☐ Watershed Management

Project No. 98R

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Rehabilitation of Sewage Lift Station		
Project Sponsor:	City of Adelanto		
If Joint Project, Other Partners:			
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
John R. Sponsler	760-246-2300 ext. 3006	760-246-3242	jsponsler@ci.adelanto.ca.us

Project Description
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)
Conceptual
Project Description (1 -2 sentences):
Install new larger sewage lift station pit and pump station. Install new pumps and SCADA to same. Install new liner. SCADA communica
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]):
Capital Improvement Plan

Project Location			
Descriptive (Description of property location etc.):			
Muskrat Avenue and De Soto			
Latitude/Longitude - info available at:	http://geocoder.us/	Lat: 34°36'54.2018	Long: 117°26'55.7943

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<$100K ☐	$100K - $1M ☑	$1M - $10M ☐	>$10M ☐
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:	2014			

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Water Supply: *New Supply Created (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
DACs Involvement *Y/N:*				
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater: *Reduction in Flood Damage (Y/N):*			Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration *Y/N:*				
Climate Change: *Helps assess potential impacts (Y/N):*				
Environmental Stewardship/Public Awareness *Direct Benefits:*				
Other: *(Describe X amount of benefit)* Wastewater Pollution Prevention				

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.	
☐	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☐	☐	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.
☑	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☐	☐	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
☐	Drought Preparedness
☐	Use and Reuse Water More Efficiently
☐	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
☐	Expand Environmental Stewardship
☐	Practice Integrated Flood Management
☑	Protect Surface and Groundwater Quality
☐	Improve Tribal Water and Natural Resources
☐	Ensure Equitable Distribution of Benefits

Program Preferences	
☐	Include Regional Projects or Programs
☐	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
☐	Effectively Resolve Significant Water-Related Conflicts within or between Regions
☐	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
☐	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
☐	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies			
☐	Agricultural Lands Stewardship	☑	Pollution Prevention
☐	Agricultural Water Use Efficiency	☐	Precipitation Enhancement
☐	Conjunctive Management and Groundwater Storage	☐	Recharge Areas Protection
☐	Conveyance - Delta, Regional/Local	☐	Recycled Municipal Water
☐	Desalination - Brackish & Seawater	☐	Salt & Salinity Management
☐	Drinking Water Treatment and Distribution	☐	Surface Storage - CALFED
☐	Economic Incentives	☐	Surface Storage - Regional/Local
☐	Ecosystem Restoration	☐	System Reoperation
☐	Flood Risk Management	☐	Urban Runoff Management
☐	Forest Management	☐	Urban Water Use Efficiency
☐	Groundwater/Aquifer Remediation	☐	Water Transfers
☐	Land Use Planning & Management	☐	Water-Dependent Recreation
☐	Matching Water Quality to Water Use	☐	Watershed Management

Project No. 101

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Cushenbury Flood Detention Basin		
Project Sponsor:	Mojave Water Agency		
If Joint Project, Other Partners:			
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
Tim Gobler	760-946-7046		tgobler@mojavewater.org

Project Description
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)
Conceptual
Project Description (1 -2 sentences):
Proposed to capture runoff from the San Bernardino Mountains in the Lucerne Valley Subbasin. Currently, large storm flows drain to dry lake beds in the area that have low percolation rates. Consequently, the majority of water that drains to the lake beds beds is lost to evaporation and never enters the basin. The project would divert storm flows to detention basins with high rates of percolation to decrease losses from evaporation.
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.): Lucerne Valley		
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 ☐	$100K - $1M ☑	$1M - $10M ☐	>$10M ☐
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:				

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:*			Y
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):			N	
Stormwater:	*Reduction in Flood Damage (Y/N):* Y		Multi-benefit Y/N: Y	
Multi-stakeholder project/regional collaboration	*Y/N:*		Y	
Climate Change:	*Helps assess potential impacts (Y/N):*		N	
Environmental Stewardship/Public Awareness	*Direct Benefits:*	N		
Other: *(Describe X amount of benefit)*				

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.	
☑	☐	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.
☑	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☑	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☑	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☐	☐	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.
☐	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☑	☐	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.
☐	☐	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
☐	Drought Preparedness
☐	Use and Reuse Water More Efficiently
☐	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
☐	Expand Environmental Stewardship
☑	Practice Integrated Flood Management
☑	Protect Surface and Groundwater Quality
☐	Improve Tribal Water and Natural Resources
☐	Ensure Equitable Distribution of Benefits

Program Preferences	
☑	Include Regional Projects or Programs
☐	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
☐	Effectively Resolve Significant Water-Related Conflicts within or between Regions
☐	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
☐	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
☑	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies			
☐	Agricultural Lands Stewardship	☐	Pollution Prevention
☐	Agricultural Water Use Efficiency	☑	Precipitation Enhancement
☑	Conjunctive Management and Groundwater Storage	☑	Recharge Areas Protection
☐	Conveyance - Delta, Regional/Local	☐	Recycled Municipal Water
☐	Desalination - Brackish & Seawater	☐	Salt & Salinity Management
☐	Drinking Water Treatment and Distribution	☐	Surface Storage - CALFED
☐	Economic Incentives	☐	Surface Storage - Regional/Local
☐	Ecosystem Restoration	☐	System Reoperation
☑	Flood Risk Management	☑	Urban Runoff Management
☐	Forest Management	☐	Urban Water Use Efficiency
☐	Groundwater/Aquifer Remediation	☐	Water Transfers
☑	Land Use Planning & Management	☐	Water-Dependent Recreation
☐	Matching Water Quality to Water Use	☑	Watershed Management

Project No. 102

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Local Wastewater Treatment Plant (Lucerne)		
Project Sponsor:	Not sure who original project sponsor was.		
If Joint Project, Other Partners:	LVEDA?		
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
Tim Gobler	760-946-7046		tgobler@mojavewater.org

Project Description
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)
Conceptual
Project Description (1 -2 sentences):
Wastewater treatment in the region is currently provided by individual septic tank systems. It is likely that at some point in the future, a municipal wastewater treatment facility will have to be built. (description from 2004 RWMP)
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.): Downton Lucerne Valley area (near intersection of Hwy 18 / Hwy 247)			
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 ☐	$100K - $1M ☐	$1M - $10M ☐	>$10M ☑
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:				

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:*			Y
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				n
Stormwater:	*Reduction in Flood Damage (Y/N):* N		Multi-benefit Y/N:	N
Multi-stakeholder project/regional collaboration	*Y/N:*			Y
Climate Change:	*Helps assess potential impacts (Y/N):*			N
Environmental Stewardship/Public Awareness	*Direct Benefits:*	Y		
Other: *(Describe X amount of benefit)*				

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.	
☐	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☑	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☐	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☑	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☐	☐	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
☐	Drought Preparedness
☑	Use and Reuse Water More Efficiently
☐	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
☐	Expand Environmental Stewardship
☐	Practice Integrated Flood Management
☐	Protect Surface and Groundwater Quality
☐	Improve Tribal Water and Natural Resources
☐	Ensure Equitable Distribution of Benefits

Program Preferences	
☐	Include Regional Projects or Programs
☐	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
☐	Effectively Resolve Significant Water-Related Conflicts within or between Regions
☐	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
☐	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
☐	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies			
☐	Agricultural Lands Stewardship	☑	Pollution Prevention
☐	Agricultural Water Use Efficiency	☐	Precipitation Enhancement
☐	Conjunctive Management and Groundwater Storage	☐	Recharge Areas Protection
☐	Conveyance - Delta, Regional/Local	☑	Recycled Municipal Water
☐	Desalination - Brackish & Seawater	☑	Salt & Salinity Management
☐	Drinking Water Treatment and Distribution	☐	Surface Storage - CALFED
☐	Economic Incentives	☐	Surface Storage - Regional/Local
☐	Ecosystem Restoration	☐	System Reoperation
☐	Flood Risk Management	☐	Urban Runoff Management
☐	Forest Management	☐	Urban Water Use Efficiency
☑	Groundwater/Aquifer Remediation	☐	Water Transfers
☐	Land Use Planning & Management	☐	Water-Dependent Recreation
☐	Matching Water Quality to Water Use	☐	Watershed Management

Project No. 103

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Lucerne Valley Recharge Ponds (East of Helendale Fault)		
Project Sponsor:	Mojave Water Agency		
If Joint Project, Other Partners:			
Project Website (if available):			
Project Contact Person: Tim Gobler	Phone: 760-946-7046	FAX:	Email: tgobler@mojavewater.org

Project Description

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

Implementable Project

Project Description (1 -2 sentences):

Provides an opportunity for recharge in the Este Subarea. Recharge sites have been contemplated both east and west of the Helendale Fault. The 1994 RWMP recommended constructing a facility east of the fault because the majority of pumping occurs east of fault. MWA has purchased land for a recharge facility, prepared preliminary construction plans, and performed the necessary environmental reviews. (description from 2004 RWMP)

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.):
Lucerne Valley

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	$100K - $1M	$1M - $10M	>$10M
	☐	☐	☑	☐

Project Status (Check all that apply):	Conceptual	In-Design	Ready to Implement	CEQA Complete	N/A
	☐	☑	☐	☐	☐

Estimated Year of Completion:

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☑ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☑ 1000+ AF	
DACs Involvement	*Y/N:*			Y
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):			N	
Stormwater:	*Reduction in Flood Damage (Y/N):* N		Multi-benefit Y/N: N	
Multi-stakeholder project/regional collaboration	*Y/N:*		Y	
Climate Change:	*Helps assess potential impacts (Y/N):*		N	
Environmental Stewardship/Public Awareness	*Direct Benefits:*			N
Other: *(Describe X amount of benefit)*				

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.	
☑	☐	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.
☑	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☑	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☐	☐	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.
☐	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☐	☐	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- ☐ Drought Preparedness
- ☐ Use and Reuse Water More Efficiently
- ☐ Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- ☐ Expand Environmental Stewardship
- ☐ Practice Integrated Flood Management
- ☑ Protect Surface and Groundwater Quality
- ☐ Improve Tribal Water and Natural Resources
- ☐ Ensure Equitable Distribution of Benefits

Program Preferences

- ☑ Include Regional Projects or Programs
- ☐ 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
- ☐ Effectively Resolve Significant Water-Related Conflicts within or between Regions
- ☐ Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- ☐ Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- ☐ Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

☐ Agricultural Lands Stewardship	☐ Pollution Prevention
☐ Agricultural Water Use Efficiency	☐ Precipitation Enhancement
☑ Conjunctive Management and Groundwater Storage	☐ Recharge Areas Protection
☑ Conveyance - Delta, Regional/Local	☐ Recycled Municipal Water
☐ Desalination - Brackish & Seawater	☐ Salt & Salinity Management
☐ Drinking Water Treatment and Distribution	☐ Surface Storage - CALFED
☐ Economic Incentives	☐ Surface Storage - Regional/Local
☐ Ecosystem Restoration	☐ System Reoperation
☐ Flood Risk Management	☐ Urban Runoff Management
☐ Forest Management	☐ Urban Water Use Efficiency
☐ Groundwater/Aquifer Remediation	☐ Water Transfers
☐ Land Use Planning & Management	☐ Water-Dependent Recreation
☐ Matching Water Quality to Water Use	☑ Watershed Management

Mojave IRWM Plan
Integrated Regional Water Management Plan

Project No. 105

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Wrightwood Sewer Plan		
Project Sponsor:	Wrightwood Sewer Committee		
If Joint Project, Other Partners:			
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
Lynn Crawford, Chairman	760-249-8869	760-249-6108	lynn.crawford@verizon.net

Project Description
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)
Conceptual
Project Description (1 -2 sentences):
The project is to develop a sewer plan for the Wrightwood Community.
Project Integration (Describe how the project does or could integrate with other projects in the Region):
The project will ultimately restore the drinking water use beneath and down-gradient of Wrightwood.
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):
Watershed Management Plan

Project Location			
Descriptive (Description of property location etc.):			
Wrightwood, an unincorporated community in San Bernardino County			
Latitude/Longitude - info available at: http://geocoder.us/	Lat: 34.36	Long: -117.63	

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<$100K ☐	$100K - $1M ☐	$1M - $10M ☑	>$10M ☐
Project Status (Check all that apply):	Conceptual ☑	In Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:	2014			

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☑ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☑ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:*			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater:	*Reduction in Flood Damage (Y/N):*		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	*Y/N:*			
Climate Change:	*Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness	*Direct Benefits:*			
Other: *(Describe X amount of benefit)*				

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.	
☐	☑	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.
☐	☑	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☑	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☑	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☐	☑	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- ☐ Drought Preparedness
- ☑ Use and Reuse Water More Efficiently
- ☐ Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- ☑ Expand Environmental Stewardship
- ☐ Practice Integrated Flood Management
- ☑ Protect Surface and Groundwater Quality
- ☐ Improve Tribal Water and Natural Resources
- ☐ Ensure Equitable Distribution of Benefits

Program Preferences

- ☐ Include Regional Projects or Programs
- ☑ 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
- ☐ Effectively Resolve Significant Water-Related Conflicts within or between Regions
- ☐ Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- ☐ Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- ☐ Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

☐ Agricultural Lands Stewardship	☐ Pollution Prevention
☐ Agricultural Water Use Efficiency	☐ Precipitation Enhancement
☐ Conjunctive Management and Groundwater Storage	☐ Recharge Areas Protection
☐ Conveyance - Delta, Regional/Local	☐ Recycled Municipal Water
☐ Desalination - Brackish & Seawater	☐ Salt & Salinity Management
☑ Drinking Water Treatment and Distribution	☐ Surface Storage - CALFED
☐ Economic Incentives	☐ Surface Storage - Regional/Local
☐ Ecosystem Restoration	☐ System Reoperation
☐ Flood Risk Management	☐ Urban Runoff Management
☐ Forest Management	☐ Urban Water Use Efficiency
☑ Groundwater/Aquifer Remediation	☐ Water Transfers
☐ Land Use Planning & Management	☐ Water-Dependent Recreation
☐ Matching Water Quality to Water Use	☑ Watershed Management

Project No. 106

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name: SLEEP CREEK RECHARGE BASIN			
Project Sponsor: PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT			
If Joint Project, Other Partners:			
Project Website (if available):			
Project Contact Person: DAN BARTZ	Phone: 760-868-1212	FAX: 760-868-1223	Email: DBARTZ@PHCSD.NET
Project Description			
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program): CONCEPTUAL			
Project Description (1 -2 sentences): RECHARGE BASIN FROM STATE WATER PROJECT ALONG WITH TWO PUMPING WELLS			
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.): VACANT LAND - CREOSOTE VEGETATION / JOSHUA TREES			
Latitude/Longitude - info available at: http://geocoder.us/	Lat: 34°29'54"	Long: 117°34'07"	

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate): Estimated Cost:	<$100K	$100K - $1M	$1M - $10M	>$10M
	☐	☐	☑	☐

Project Status (Check all that apply):	Conceptual	In-Design	Ready to Implement	CEQA Complete	N/A
	☑	☐	☐	☐	☐

Estimated Year of Completion: 2020

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Water Supply: *New Supply Created (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☑ 1000+ AF
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☑ 1000+ AF
DACs Involvement *Y/N:*				
Public Access, Open Space, Habitat, Recreation *(acres created/restored):*				
Stormwater: *Reduction in Flood Damage (Y/N):*			Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration *Y/N:*				
Climate Change: *Helps assess potential impacts (Y/N):*				
Environmental Stewardship/Public Awareness *Direct Benefits:*				
Other: *(Describe X amount of benefit)*				

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.	
☑	☐	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.
☑	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☑	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☐	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☑	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☑	☐	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.
☑	☐	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.
☑	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☑	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- [x] Drought Preparedness
- [x] Use and Reuse Water More Efficiently
- [x] Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- [ ] Expand Environmental Stewardship
- [x] Practice Integrated Flood Management
- [x] Protect Surface and Groundwater Quality
- [ ] Improve Tribal Water and Natural Resources
- [ ] Ensure Equitable Distribution of Benefits

Program Preferences

- [ ] Include Regional Projects or Programs
- [ ] 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
- [ ] Effectively Resolve Significant Water-Related Conflicts within or between Regions
- [ ] Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- [x] Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- [ ] Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- [ ] Agricultural Lands Stewardship
- [ ] Agricultural Water Use Efficiency
- [x] Conjunctive Management and Groundwater Storage
- [ ] Conveyance - Delta, Regional/Local
- [ ] Desalination - Brackish & Seawater
- [ ] Drinking Water Treatment and Distribution
- [ ] Economic Incentives
- [ ] Ecosystem Restoration
- [ ] Flood Risk Management
- [ ] Forest Management
- [x] Groundwater/Aquifer Remediation
- [ ] Land Use Planning & Management
- [ ] Matching Water Quality to Water Use
- [ ] Pollution Prevention
- [x] Precipitation Enhancement
- [x] Recharge Areas Protection
- [ ] Recycled Municipal Water
- [ ] Salt & Salinity Management
- [ ] Surface Storage - CALFED
- [ ] Surface Storage - Regional/Local
- [ ] System Reoperation
- [ ] Urban Runoff Management
- [ ] Urban Water Use Efficiency
- [ ] Water Transfers
- [ ] Water-Dependent Recreation
- [x] Watershed Management

Mojave IRWM Plan
Integrated Regional Water Management Plan

Project No. 115

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 or mail BY **September 12, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Land and Water Rights Acquisition		
Project Sponsor:	CDFW		
If Joint Project, Other Partners:	Wildife Conservation Board, MDRCD, TNC, THC		
Project Website (if available):			
Project Contact Person: Alisa Ellsworth	Phone (760) 872-1173	FAX (760) 872-1284	Email Alisa.Ellsworth@wildlife.ca.gov

Project Description
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)
Implementable Project
Project Description (1 -2 sentences):
Acquire voluntary water transfers or water rights to reduce water use. Acquire riparian habitat along the Mojave River either in fee title or through the purchase of a conservation easement.
Project Integration (Describe how the project does or could integrate with other projects in the Region):
Continuation of current CDFW land acquistion projects within the Mojave River Watershed.
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):
Consistent with DFW's Mojave River Plan and focus on Exhibit H - per Judgment.

Project Location			
Descriptive (Description of property location etc.): Properties within the Adjudicated Mojave River Basin.			
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 ☐	$100K - $1M ☐	$1M - $10M ☑	>$10M ☐
Project Status (Check all that apply):	Conceptual ☐	In Design ☑	Ready to Implement ☑	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:				

Project Benefits			
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF
DACs Involvement *Y/N:*			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):			
Stormwater: *Reduction in Flood Damage (Y/N):*		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration *Y/N:*			
Climate Change: *Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness *Direct Benefits:*			
Other: *(Describe X amount of benefit)*			

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.	
☑	☐	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.
☑	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☐	☑	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☑	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☑	9. Improve stormwater management throughout the Plan area.
☑	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☑	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☐	☑	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☑	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☑	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.
☐	☑	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.
☐	☑	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☑	6. Prevent land subsidence throughout the Region.

Statewide Priorities

- [ ] Drought Preparedness
- [ ] Use and Reuse Water More Efficiently
- [x] Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
- [x] Expand Environmental Stewardship
- [ ] Practice Integrated Flood Management
- [x] Protect Surface and Groundwater Quality
- [x] Improve Tribal Water and Natural Resources
- [ ] Ensure Equitable Distribution of Benefits

Program Preferences

- [ ] Include Regional Projects or Programs
- [ ] 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
- [ ] Effectively Resolve Significant Water-Related Conflicts within or between Regions
- [ ] Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
- [ ] Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
- [ ] Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies

- [ ] Agricultural Lands Stewardship
- [ ] Agricultural Water Use Efficiency
- [ ] Conjunctive Management and Groundwater Storage
- [ ] Conveyance - Delta, Regional/Local
- [ ] Desalination - Brackish & Seawater
- [ ] Drinking Water Treatment and Distribution
- [ ] Economic Incentives
- [x] Ecosystem Restoration
- [ ] Flood Risk Management
- [ ] Forest Management
- [x] Groundwater/Aquifer Remediation
- [ ] Land Use Planning & Management
- [ ] Matching Water Quality to Water Use
- [ ] Pollution Prevention
- [ ] Precipitation Enhancement
- [x] Recharge Areas Protection
- [ ] Recycled Municipal Water
- [ ] Salt & Salinity Management
- [ ] Surface Storage - CALFED
- [ ] Surface Storage - Regional/Local
- [ ] System Reoperation
- [ ] Urban Runoff Management
- [ ] Urban Water Use Efficiency
- [ ] Water Transfers
- [x] Water-Dependent Recreation
- [x] Watershed Management

Project No. 116

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail by **September 12, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	**Replacement Water Supply for Perchlorate/Nitrate Affected Groundwater - Barstow Area**		
Project Sponsor(s):	Kathy Keating & California Regional Water Quality Control Board - Region 6		
If Joint Project, Other Partners:			
Project Website (if available):	none available		
Project Contact Person(s):	Telephone	FAX	E-mail
Kathy Keating	760 256-2835	----	kathyteachy@yahoo.com
Cindi Mitton	760 241-7413	760 241-7308	cindi.mitton@waterboards.ca.gov

Project Description

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

Feasibility Study

Project Description (1 -2 sentences):

Perform a feasibility study to determine the most cost effective and sustainable manner to design, construct and operate an alternative water supply for residents adversely affected by perchlorate and nitrate polluted groundwater in an unincorporated area northeast of Barstow.

Project Integration (Describe how the project does or could integrate with other projects in the Region):

This project integrates the study of alternatives to address two polluted groundwater areas originating from two distinct sources.

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.):

Residents immediately northeast of the City of Barstow along River Road adversely affected by perchlorate contaminated groundwater; and a larger area of approximately five square miles bordered on the west by Interstate 15, on the north by Soap Mine Road, on the east by the Marine Corps Logistics Base, and on the south by the Mojave River Channel where the residents have been adversely affected by nitrate contaminated groundwater.

Latitude/Longitude - info available at:	http://geocoder.us/	Lat:	34.912409	Long:	-116.996300
Latitude/Longitude - info available at:	http://geocoder.us/	Lat:	34.891200	Long:	-116.973750

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<$100K ☐	$100K - $1M ☑	$1M - $10M ☐	>$10M ☐
Project Status (Check all that apply):	Conceptual ☑	In-Design ☐	Ready to Implement ☐	CEQA Complete ☐ N/A ☐
Estimated Year of Completion:	1.5			

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Water Supply: *New Supply Created (AFY)* (Check one)	☑	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐	1-100 AF	☐ 100-1000AF	☐ 1000+ AF
DACs Involvement *Y/N:*	Yes			
Public Access, Open Space, Habitat, Recreation (*acres created/restored*):				
Stormwater: *Reduction in Flood Damage (Y/N):*			Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration *Y/N:*	YES			
Climate Change: *Helps assess potential impacts (Y/N):*				
Environmental Stewardship/Public Awareness *Direct Benefits:*				
Other: *(Describe X amount of benefit)*				

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.	
☐	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☑	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☑	☐	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.
☑	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☑	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☐	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☑	☐	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.
☑	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
☐	Drought Preparedness
☐	Use and Reuse Water More Efficiently
☐	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
☐	Expand Environmental Stewardship
☐	Practice Integrated Flood Management
☑	Protect Surface and Groundwater Quality
☐	Improve Tribal Water and Natural Resources
☑	Ensure Equitable Distribution of Benefits

Program Preferences	
☐	Include Regional Projects or Programs
☐	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
☐	Effectively Resolve Significant Water-Related Conflicts within or between Regions
☐	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
☑	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
☐	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies			
☐	Agricultural Lands Stewardship	☐	Pollution Prevention
☐	Agricultural Water Use Efficiency	☐	Precipitation Enhancement
☐	Conjunctive Management and Groundwater Storage	☐	Recharge Areas Protection
☐	Conveyance - Delta, Regional/Local	☐	Recycled Municipal Water
☐	Desalination - Brackish & Seawater	☐	Salt & Salinity Management
☑	Drinking Water Treatment and Distribution	☐	Surface Storage - CALFED
☐	Economic Incentives	☐	Surface Storage - Regional/Local
☐	Ecosystem Restoration	☐	System Reoperation
☐	Flood Risk Management	☐	Urban Runoff Management
☐	Forest Management	☐	Urban Water Use Efficiency
☑	Groundwater/Aquifer Remediation	☐	Water Transfers
☐	Land Use Planning & Management	☐	Water-Dependent Recreation
☐	Matching Water Quality to Water Use	☐	Watershed Management

Project No. 117

Mojave IRWM Plan
Integrated Regional Water Management Plan

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 or mail BY **August 1, 2013** to comments@mywaterplan.com.

General Information (Required)			
Project Name:	Water Supply and Quality		
Project Sponsor:	County of San Bernardino Special Districts Department		
If Joint Project, Other Partners:			
Project Website (if available):	www.mojavewater.org		
Project Contact Person:	Phone	FAX	Email
Steve Samaras	760-962-1530	760-962-1575	ssamaras@sdd.sbcounty.gov

Project Description

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

Conceptual and Feasibility

Project Description (1 -2 sentences):

Water quality and supply projects to meet existing and emerging regulatory requirements.

Project Integration (Describe how the project does or could integrate with other projects in the Region):
Development of strategically constructed facilities to support and mitigate regional water quality and supply issues.

Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):

Mojave Water Agency (MWA) and IRWMP

Project Location

Descriptive (Description of property location etc.):

See Attached

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	$100K - $1M	$1M - $10M	>$10M
	☐	☐	☐	☒

Project Status (Check all that apply):	Conceptual	In-Design	Ready to Implement	CEQA Complete	N/A
	☒	☐	☐	☐	☐

Estimated Year of Completion: 2016

Project Benefits				
Water Demand: *Water Savings/Demand Reduction (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Supply: *New Supply Created (AFY)* (Check one)	☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Recycled Water: *New RW Supply created (AFY)* (Check one)	☐ 1-100 AF	☒ 100-1000AF	☐ 1000+ AF	
Groundwater: *Reduction in overdraft/increase in recharge (AFY)* (Check one)	☐ 1-100 AF	☒ 100-1000AF	☐ 1000+ AF	
DACs Involvement	*Y/N:*			
Public Access, Open Space, Habitat, Recreation (*acres created/restored):*				
Stormwater:	*Reduction in Flood Damage (Y/N):*	Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration	*Y/N:*			
Climate Change:	*Helps assess potential impacts (Y/N):*			
Environmental Stewardship/Public Awareness	*Direct Benefits:*			
Other: *(Describe X amount of benefit)*				

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.	
☐	☐	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.
☐	☐	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
☒	☐	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
☐	☐	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
☐	☐	9. Improve stormwater management throughout the Plan area.
☐	☐	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
☒	☐	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.
☒	☐	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
☒	☐	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
☐	☒	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
☐	☐	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.
☐	☒	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.
☐	☐	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
☐	☐	6. Prevent land subsidence throughout the Region.

Statewide Priorities	
[X]	Drought Preparedness
[X]	Use and Reuse Water More Efficiently
[ ]	Climate Change Response Actions (Adaptation to Climate Change, Reduction of Greenhouse Gas Emissions, Reduce Energy Consumption)
[ ]	Expand Environmental Stewardship
[ ]	Practice Integrated Flood Management
[X]	Protect Surface and Groundwater Quality
[ ]	Improve Tribal Water and Natural Resources
[ ]	Ensure Equitable Distribution of Benefits

Program Preferences	
[X]	Include Regional Projects or Programs
[ ]	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
[ ]	Effectively Resolve Significant Water-Related Conflicts within or between Regions
[ ]	Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program
[X]	Address Critical Water Supply or Water Quality Needs of Disadvantaged Communities within the Region
[ ]	Effectively Integrate Water Management with Land Use Planning

CA Water Plan - Resource Management Strategies			
[ ]	Agricultural Lands Stewardship	[ ]	Pollution Prevention
[ ]	Agricultural Water Use Efficiency	[ ]	Precipitation Enhancement
[X]	Conjunctive Management and Groundwater Storage	[ ]	Recharge Areas Protection
[ ]	Conveyance - Delta, Regional/Local	[X]	Recycled Municipal Water
[ ]	Desalination - Brackish & Seawater	[ ]	Salt & Salinity Management
[X]	Drinking Water Treatment and Distribution	[ ]	Surface Storage - CALFED
[ ]	Economic Incentives	[ ]	Surface Storage - Regional/Local
[ ]	Ecosystem Restoration	[ ]	System Reoperation
[ ]	Flood Risk Management	[ ]	Urban Runoff Management
[ ]	Forest Management	[ ]	Urban Water Use Efficiency
[ ]	Groundwater/Aquifer Remediation	[ ]	Water Transfers
[ ]	Land Use Planning & Management	[ ]	Water-Dependent Recreation
[X]	Matching Water Quality to Water Use	[X]	Watershed Management

Project No. 118

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 ***September 12, 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: *

Barstow Community College District

Agency / Organization / Individual Address:

Barstow Community College
4800 Barstow Road
Barstow, CA 92311

Possible Partnering Agencies:

Golden State Water Company, City of Barstow, City of Victorville, Helendale, JBWD, Victor Valley CC, Mojave Water Agency, Newberry Springs

Name:*

Rick Hernandez

Title:

Director of Maintenance & Operations

Telephone:* 760.252.2411 x7395

Fax:

Email:*

rhernandez@barstow.edu

Website:

www.barstow.edu

Project Name:*

Weather Based Irrigation/Completion of Demonstration Garden Project

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:	Community College Campus

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

• Mojave Water Agency • Golden State Water Company
• City of Barstow
• City of Victorville
• Helendale • JBWD • Victor Valley CC • Newberry Spring • Barstow CC

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

The Barstow College Desert Demonstration Garden is an ongoing project with the proposed project to also address the need for campus-wide Smart Controls with efficient sprinkler nozzles.

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