

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

<ul style="list-style-type: none"> • Colorado River Basin Regional Water Quality Control Board
<ul style="list-style-type: none"> • Town of Yucca Valley
<ul style="list-style-type: none"> • Hi-Desert Water District's Public Advisory Committee
<ul style="list-style-type: none"> • Mojave Water Agency
<ul style="list-style-type: none"> • State Water Resources Control Board
<ul style="list-style-type: none"> • United States Bureau of Reclamation
<ul style="list-style-type: none"> • 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 contaminants 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

<ul style="list-style-type: none"> 2009 Sewer Master Plan (MWH)
<ul style="list-style-type: none"> 2011 Colorado River Basin Regional Water Quality Control Board Basin Plan Amendment
<ul style="list-style-type: none"> 2013 Atkins North America Preliminary Design Report

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

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

PART 4: IRWM PLAN OBJECTIVES ADDRESSED BY PROJECT *

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

Mojave IRWM Plan Objective	Contribution			Description
1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> 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.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> 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.	<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> 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.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	

Mojave IRWM Plan Objective	Contribution			Description
9. Improve stormwater management throughout the Plan area.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> 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.	<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> 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.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> 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.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> 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.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> 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.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> 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.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> 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.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	

PART 5: RESOURCE MANAGEMENT STRATEGIES*

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

Reduce Water Demands	
<input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input checked="" type="checkbox"/> NA	Agricultural Water Use Efficiency
<input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input checked="" type="checkbox"/> NA	Urban Water Use Efficiency
Improve Operational Efficiency and Transfers	
<input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input checked="" type="checkbox"/> NA	Conveyance – Delta, Regional/Local
<input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input checked="" type="checkbox"/> NA	System Reoperation

<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Water Transfers
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Other (Please State): _____
Increase Water Supply			
<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	Conjunctive Management and Groundwater Storage
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Desalination – Brackish/Seawater
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Precipitation Enhancement
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Recycled Municipal Water
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Surface Storage – CALFED or Regional/Local
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Other (Please State): _____
Improve Water Quality			
<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Drinking Water Treatment and Distribution
<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Groundwater/Aquifer Remediation
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Matching Quality to Use
<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Pollution Prevention
<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	Salt and Salinity Management
<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	Urban Runoff Management
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Other (Please State) _____
Practice Resource Stewardship			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Agricultural Lands Stewardship
<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Economic Incentives (loans, grants, water pricing)
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Ecosystem Restoration
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Forest Management
<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	Land Use Planning and Management
<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	Recharge Areas Protection
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Water-Dependent Recreation
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Watershed Management
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Other (Please State): _____
Improve Flood Risk Management			
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	Flood Risk Management

Other Strategies	
<input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input checked="" type="checkbox"/> NA	Please State: _____

Is the proposed project an element or phase of a regional or larger program?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<u>Complete</u>	<u>2009</u>
Feasibility Study	<u>Complete</u>	
Preliminary Design and Cost Estimates	<u>Complete</u>	<u>2009</u>
CEQA/NEPA	<u>Complete (CEQA/NEPA)</u>	<u>2009</u>
Permits	<u>In Process</u>	
Construction Drawings	<u>In Process (1 element / collection system – Phase I)</u>	<u>09/01/2014</u>
Funding	<u>In Process (ongoing need)</u>	<u>07/31/2014</u>

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

<p>N/A</p>

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

PART 8: PROJECT COST ESTIMATE

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

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

Lower estimated total capital cost (\$): 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?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Sure
Does the project have a positive benefit-cost ratio?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> 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

Mojave Integrated Regional Water Management Plan

Project Identification – Long Form

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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@vwwra.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.
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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.

<p>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.</p> <p>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.</p>

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PART 3: PROJECT DESCRIPTION*

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

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

<p>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.</p> <p>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.</p>
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If applicable, list surface water bodies and groundwater basins associated with the proposed project:

<ul style="list-style-type: none"> • • • •
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Please identify up to three available documents which contain information specific to the proposed project and associated benefits (this information helps determine the technical justification and feasibility):

<ul style="list-style-type: none"> • Bureau of Reclamation Title XVI Grant Application • Project Design Plans • CEQA Study

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

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

PART 4: IRWM PLAN OBJECTIVES ADDRESSED BY PROJECT *

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

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

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

PART 5: RESOURCE MANAGEMENT STRATEGIES*

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

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

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

Is the proposed project an element or phase of a regional or larger program?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please identify the program	<u>Meeting the water strategy goals for the Victor Valley</u>

PART 6: PROJECT READINESS*

Item	Status (e.g., not initiated, in process, complete, N/A)	Expected Completion Date
Conceptual Plans	<u>Complete</u>	_____ (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 grant 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 part 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	
<input checked="" type="checkbox"/>	Increases Water Supply Reliability
<input checked="" type="checkbox"/>	Advances/ Expands Conjunctive Management of Multiple Water Supply Sources
<input checked="" type="checkbox"/>	Increases Water Use and/or Reuse Efficiency
<input checked="" type="checkbox"/>	Provides Additional Water Supply
<input type="checkbox"/>	Promotes Water Quality Protection
<input checked="" type="checkbox"/>	Reduces Water Demand
<input checked="" type="checkbox"/>	Advances/Expands Water Recycling
<input type="checkbox"/>	Promotes Urban Runoff Reuse
<input type="checkbox"/>	Addresses Sea Level Rise
<input type="checkbox"/>	Addresses other Anticipated Climate Change Impact (e.g. through water management system modifications) Please State:
<input type="checkbox"/>	Improves Flood Control (e.g. through wetlands restoration, management, protection)
<input type="checkbox"/>	Promotes Habitat Protection
	<input type="checkbox"/> Establishes Migration Corridors
	<input type="checkbox"/> Re-establishes River-Floodplain Hydrologic Continuity
	<input type="checkbox"/> Re-introduces Anadromous Fish Populations to Upper Watersheds
	<input type="checkbox"/> Enhances and Protects Upper Watershed Forests and Meadow Systems
	<input type="checkbox"/> Other (Please State):
<input type="checkbox"/>	Other (Please State):_____
Reduces Greenhouse Gas Emissions and/or Energy Consumption	
<input checked="" type="checkbox"/>	Promotes Energy-Efficient Water Demand Reduction or Increases Water Use Efficiency
<input type="checkbox"/>	Improves Water System Energy Efficiency
<input checked="" type="checkbox"/>	Advances/Expands Water Recycling
<input type="checkbox"/>	Promotes Urban Runoff Reuse that Leads to Reduced Energy Demand
<input type="checkbox"/>	Promotes Use of Renewable Energy Sources
<input type="checkbox"/>	Contributes to Carbon Sequestration (e.g. through vegetation growth)
<input type="checkbox"/>	Other (Please State):

PART 8: PROJECT COST ESTIMATE

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

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

Lower estimated total capital cost (\$): \$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?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Sure
Does the project have a positive benefit-cost ratio?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Sure

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 <input type="checkbox"/>	\$100K - \$1M <input checked="" type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):					
		Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>
Estimated Year of Completion:					
2014					

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	Y/N:		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	Direct Benefits:		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

Mojave Integrated Regional Water Management Plan

Project Identification – Long Form

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

PART 1: LEAD IMPLEMENTING AGENCY/ORGANIZATIONAL INFORMATION

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

Implementing Agency/ Organization / Individual: *

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 existing line on Jonathan that is close to capacity.
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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.

<p>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.</p> <p>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.</p>
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PART 3: PROJECT DESCRIPTION*

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

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

<p>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</p>
--

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

<ul style="list-style-type: none"> • NA
<ul style="list-style-type: none"> •
<ul style="list-style-type: none"> •
<ul style="list-style-type: none"> •

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):

<ul style="list-style-type: none"> • City of Adelanto Sewer Master Plan
<ul style="list-style-type: none"> • Construction Plans for the Pearmain Relief Sewer
<ul style="list-style-type: none"> • Project is identified in the City's Capital Improvement Program

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

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

PART 4: IRWM PLAN OBJECTIVES ADDRESSED BY PROJECT *

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

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

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

PART 5: RESOURCE MANAGEMENT STRATEGIES*

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

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

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

Is the proposed project an element or phase of a regional or larger program?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<u>completed</u>	_____ (mm/dd/yyyy)
Feasibility Study	<u>completed</u>	_____ (mm/dd/yyyy)
Preliminary Design and Cost Estimates	<u>completed</u>	_____ (mm/dd/yyyy)
CEQA/NEPA	<u>completed</u>	_____ (mm/dd/yyyy)
Permits	<u>completed</u>	_____ (mm/dd/yyyy)
Construction Drawings	<u>completed</u>	_____ (mm/dd/yyyy)
Funding	<u>initiated</u>	<u>unknown</u> (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	
<input type="checkbox"/>	Increases Water Supply Reliability
<input type="checkbox"/>	Advances/ Expands Conjunctive Management of Multiple Water Supply Sources
<input checked="" type="checkbox"/>	Increases Water Use and/or Reuse Efficiency
<input type="checkbox"/>	Provides Additional Water Supply
<input checked="" type="checkbox"/>	Promotes Water Quality Protection
<input type="checkbox"/>	Reduces Water Demand
<input checked="" type="checkbox"/>	Advances/Expands Water Recycling
<input type="checkbox"/>	Promotes Urban Runoff Reuse
<input type="checkbox"/>	Addresses Sea Level Rise
<input type="checkbox"/>	Addresses other Anticipated Climate Change Impact (e.g. through water management system modifications) Please State:
<input type="checkbox"/>	Improves Flood Control (e.g. through wetlands restoration, management, protection)
<input type="checkbox"/>	Promotes Habitat Protection
	<input type="checkbox"/> Establishes Migration Corridors
	<input type="checkbox"/> Re-establishes River-Floodplain Hydrologic Continuity
	<input type="checkbox"/> Re-introduces Anadromous Fish Populations to Upper Watersheds
	<input type="checkbox"/> Enhances and Protects Upper Watershed Forests and Meadow Systems
	<input type="checkbox"/> Other (Please State):
<input type="checkbox"/>	Other (Please State):_____
Reduces Greenhouse Gas Emissions and/or Energy Consumption	
<input type="checkbox"/>	Promotes Energy-Efficient Water Demand Reduction or Increases Water Use Efficiency
<input type="checkbox"/>	Improves Water System Energy Efficiency
<input checked="" type="checkbox"/>	Advances/Expands Water Recycling
<input type="checkbox"/>	Promotes Urban Runoff Reuse that Leads to Reduced Energy Demand
<input type="checkbox"/>	Promotes Use of Renewable Energy Sources
<input type="checkbox"/>	Contributes to Carbon Sequestration (e.g. through vegetation growth)
<input type="checkbox"/>	Other (Please State):

PART 8: PROJECT COST ESTIMATE

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

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

Lower estimated total capital cost (\$): 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?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Sure
Does the project have a positive benefit-cost ratio?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Sure



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 <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input checked="" type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete N/A <input type="checkbox"/>
Estimated Year of Completion:	2014/15			

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	Y/N:		Y
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		Y
Other: (<i>Describe X amount of benefit</i>)	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.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

Mojave Integrated Regional Water Management Plan

Project Identification - 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 <input type="checkbox"/>	\$100K - \$1M <input checked="" type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):					
		Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>
Estimated Year of Completion:					
2014					

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	Y/N:		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	Direct Benefits:		
Other: (<i>Describe X amount of benefit</i>)	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.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

Mojave Integrated Regional Water Management Plan

Project Identification - 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 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	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Project Status (Check all that apply):	Conceptual	In-Design	Ready to Implement	CEQA Complete N/A	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
Estimated Year of Completion:					

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		Y
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):	N		
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Y	Multi-benefit Y/N:	Y
Multi-stakeholder project/regional collaboration	Y/N:		Y
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	N		
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		N
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

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 <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input checked="" type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/> N/A <input type="checkbox"/>
Estimated Year of Completion:				

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		Y
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):	n		
Stormwater: <i>Reduction in Flood Damage (Y/N)</i> :	N	Multi-benefit Y/N:	N
Multi-stakeholder project/regional collaboration	Y/N:		Y
Climate Change: <i>Helps assess potential impacts (Y/N)</i> :	N		
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		Y
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

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:	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)					
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 <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input checked="" type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):					
	Conceptual <input type="checkbox"/>	In-Design <input checked="" type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>	N/A <input type="checkbox"/>
Estimated Year of Completion:					

Project Benefits							
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input type="checkbox"/>	1000+ AF	
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input checked="" type="checkbox"/>	1000+ AF	
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input type="checkbox"/>	1000+ AF	
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input checked="" type="checkbox"/>	1000+ AF	
DACs Involvement	Y/N:					Y	
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):						N	
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	N	Multi-benefit Y/N:			N		
Multi-stakeholder project/regional collaboration	Y/N:					Y	
Climate Change: <i>Helps assess potential impacts (Y/N):</i>						N	
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>					N	
Other: (<i>Describe X amount of benefit</i>)							
Project Criteria							
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.							
IRWM Plan Objectives Met							
Prim. Second.							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.					
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.					
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.					
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.					
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.					
<input type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.					
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.					
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.					
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.					
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.					
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.					
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.					

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

Mojave Integrated Regional Water Management Plan

Project Identification - Short Form

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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 <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input checked="" type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):					
		Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>
Estimated Year of Completion:					
2014					

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input checked="" type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	Y/N:		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	Direct Benefits:		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim. Second.			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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



Mojave Integrated Regional Water Management Plan
Project Identification - Short Form

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General Information (Required)				
Project Name: <i>SLEEP CREEK RECHARGE BASIN</i>				
Project Sponsor: <i>PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT</i>				
If Joint Project, Other Partners:				
Project Website (if available):				
Project Contact Person:	Phone	FAX	Email	
<i>DAN BARTZ</i>	<i>760 868 1212</i>	<i>760 868 2323</i>	<i>DBARTZ@PHCSD.ORG</i>	
Project Description				
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program) <i>CONCEPTUAL</i>				
Project Description (1-2 sentences): <i>RECHARGE BASIN FROM STATE WATER PROJECT ALONG WITH TWO PUMPING WELLS</i>				
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.): <i>VACANT LAND - CREOSOTE VEGETATION / JOSHUA TREES</i>				
Latitude/Longitude - info available at: http://geocoder.us/		Lat:	Long:	
		<i>34°29'50"</i>	<i>117°34'07"</i>	
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<\$100K	\$100K - \$1M	\$1M - \$10M	>\$10M
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Project Status (Check all that apply):				
Conceptual	In-Design	Ready to Implement	CEQA Complete	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Estimated Year of Completion: <i>2020</i>				

Project Benefits						
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input type="checkbox"/>	1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input type="checkbox"/>	1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input checked="" type="checkbox"/>	1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input checked="" type="checkbox"/>	1000+ AF
DACs Involvement	Y/N:					
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):						
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Multi-benefit Y/N:					
Multi-stakeholder project/regional collaboration	Y/N:					
Climate Change: <i>Helps assess potential impacts (Y/N):</i>						
Environmental Stewardship/Public Awareness	Direct Benefits:					
Other: (<i>Describe X amount of benefit</i>)						
Project Criteria						
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.						
IRWM Plan Objectives Met						
Prim.	Second.					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.				
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.				
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.				
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.				
<input type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.				
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Prevent land subsidence throughout the Region.				

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

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:	Wildlife Conservation Board, MDRCD, TNC, THC			
Project Website (if available):				
Project Contact Person:	Phone	FAX	Email	
Alisa Ellsworth	(760) 872-1173	(760) 872-1284	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 acquisition 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 <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input checked="" type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input type="checkbox"/>	In-Design <input checked="" type="checkbox"/>	Ready to Implement <input checked="" type="checkbox"/>	CEQA Complete N/A <input type="checkbox"/> <input type="checkbox"/>
Estimated Year of Completion:				

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	Y/N:		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	Direct Benefits:		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

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 <input type="checkbox"/>	\$100K - \$1M <input checked="" type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>	N/A <input type="checkbox"/>
Estimated Year of Completion:	1.5				

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input checked="" type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:	Yes	
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration	Y/N:	YES	
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

Mojave Integrated Regional Water Management Plan

Project Identification - 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 <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input checked="" type="checkbox"/>		
Project Status (Check all that apply):						
		Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>	N/A <input type="checkbox"/>
Estimated Year of Completion:						
2016						

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	Y/N:		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	Direct Benefits:		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim. Second.			
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

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

To the extent possible this form should be electronically filled out and e-mailed BY **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):

- | |
|--|
| <ul style="list-style-type: none"> • Mojave Water Agency • Golden State Water Company |
| <ul style="list-style-type: none"> • City of Barstow |
| <ul style="list-style-type: none"> • City of Victorville |
| <ul style="list-style-type: none"> • 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):

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.

Barstow Community College (BCC) was built at its present location in Barstow, CA in 1964. The campus is located on 165 acres in the center of the High Desert in San Bernardino County. There are 14 buildings and over 177,000 gross square feet of educational facilities with an enrollment of over 3,000 students. BCCD provides transfer and vocational education for the area.

Barstow Community College, with the assistance of Mojave Water Agency and Southern California Water Company, and other local contributors, created a Desert Demonstration Garden project in 2007. This collaborative project was designed and kicked-off with limited funding. This was able to build the garden to 60-70% with the anticipation of future funding for a complete project. The (60-70%) completed scope was the demonstration garden located near the front of campus on a portion of walk alongside Barstow Road. The remaining 30-40% of the scope, that has been designed, is to complete the demonstration walkthrough of the perimeter of the campus and include the connection of the neighboring homes for an introduction to the garden. The completion of the Barstow Community College garden project will give way to a High Desert regional concept. This vision will include other agencies with Desert Demonstration Gardens. This High Desert Regional concept will include Mojave Water Agency, Victor Valley College, Newberry community, Helendale community, and others.

In June 2013, an irrigation study was conducted and recommendations given by Dave Bigler Associates. The findings reflect an inefficient and outdated irrigation system with no central monitoring system. A Smart Irrigation Control system would conserve water at a rate of 20-40% baseline savings. This system, along with efficient sprinkler nozzles, would generate savings, rebates, and provide an environment to be used as a conservation learning canvas for the High Desert region, the local community, campus staff, and students.

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.

Water Conservation/ Sustainability:

Water conservation and budget constraints create a demand to mitigate usage of water. With the introduction of efficient water irrigation systems, water budgets and water use will naturally decline. BCCD's Irrigation Evaluation report reflects the need to eliminate poor performing manual equipment and its components. This proposed project introduces Smart Controllers to maximize irrigation control of water use during the extreme environment condition and helps to manage water use in a normal environment as well.

Completion of Demonstration Garden:

The remaining scope of the Garden has been designed and the need to complete the demonstration walk along the perimeter of the campus would complete the vision for a water conservation walk to include the connection of the neighboring homes that introduces the community to the demonstration garden. The completion of the Barstow Community College garden project will give way to a High Desert regional concept.

Implementation of recommendations of the Irrigation report, Smart Controllers/Efficient sprinklers nozzles (Irrigation Sustainability):

The advantage of a central computer controller system is that the runtimes for each station on each controller are updated daily to reflect the current water demand based upon the prevailing weather conditions. At this time with dozens of hand controls it takes up to 2 days to turn off the units and run times adjustments are cumbersome. Smart Controllers would create an efficient schedule and give the ability to accommodate micro bursts and downpours of rain.

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):

• Design documents to show the complete Demonstration Garden
• Irrigation System Evaluation/ Findings document dated June 2013
•

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

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

PART 4: IRWM PLAN OBJECTIVES ADDRESSED BY PROJECT *

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

Mojave IRWM Plan Objective		Contribution			Description
1.	Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
3.	Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
7.	Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
8.	Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
9.	Improve stormwater management throughout the Plan area.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
2.	Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	

Mojave IRWM Plan Objective	Contribution			Description
10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	
12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	

Mojave IRWM Plan Objective	Contribution			Description
6. Prevent land subsidence throughout the Region.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	

PART 5: RESOURCE MANAGEMENT STRATEGIES*

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

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

<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Urban Runoff Management
<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Other (Please State) _____

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

Is the proposed project an element or phase of a regional or larger program?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	_____ (mm/dd/yyyy)
Feasibility Study	_____ Complete	_____ (mm/dd/yyyy)
Preliminary Design and Cost Estimates	_____ Complete	_____ (mm/dd/yyyy)
CEQA/NEPA	_____ N/A	_____ (mm/dd/yyyy)
Permits	_____ N/A	_____ (mm/dd/yyyy)
Construction Drawings	_____ N/A	_____ (mm/dd/yyyy)

Funding	_____TBD_____	_____ (mm/dd/yyyy)
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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.

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)

Water conservation and budget constraints create a demand to mitigate usage of water. With the introduction of efficient water irrigation systems, water budgets and water use will naturally decline. BCCD's Irrigation Evaluation report reflects the need to eliminate poor performing manual equipment and its components. This proposed project introduces Smart Controllers to maximize irrigation control of water use during the extreme environment condition and helps to manage water use in a normal environment as well.

Irrigation sustainability: the advantage of a central computer controller system is that the runtimes for each station on each controller are updated daily to reflect the current water demand based upon the prevailing weather conditions. At this time, with dozens of hand controls, it takes up to 2 days to turn off the units and runtime adjustments are cumbersome. Smart Controllers would create an efficient schedule and give the ability to accommodate micro bursts and downpours of rain.

The Garden's remaining scope has been designed and is in need to complete demonstration walk through the perimeter of the campus that would include the connection of the neighboring homes to the demonstration garden for water conservation education. The completion of the Barstow Community College garden project will give way to a High Desert regional demonstration garden concept.

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Does the project address environmental justice issues (including helping reduce inequitable distribution of environmental burdens and access to environmental goods)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Sure
Does the project address critical water issues (including water supply or water quality) of a disadvantaged community? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Sure
Does the project provide specific benefits to critical water issues for Native American tribal communities? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	
<input checked="" type="checkbox"/>	Increases Water Supply Reliability
<input type="checkbox"/>	Advances/ Expands Conjunctive Management of Multiple Water Supply Sources
<input checked="" type="checkbox"/>	Increases Water Use and/or Reuse Efficiency
<input type="checkbox"/>	Provides Additional Water Supply
<input type="checkbox"/>	Promotes Water Quality Protection
<input type="checkbox"/>	Reduces Water Demand
<input type="checkbox"/>	Advances/Expands Water Recycling
<input checked="" type="checkbox"/>	Promotes Urban Runoff Reuse
<input type="checkbox"/>	Addresses Sea Level Rise
<input checked="" type="checkbox"/>	Addresses other Anticipated Climate Change Impact (e.g. through water management system modifications) Please State: _____
<input type="checkbox"/>	Improves Flood Control (e.g. through wetlands restoration, management, protection)
<input type="checkbox"/>	Promotes Habitat Protection
<input type="checkbox"/>	Establishes Migration Corridors
<input type="checkbox"/>	Re-establishes River-Floodplain Hydrologic Continuity
<input type="checkbox"/>	Re-introduces Anadromous Fish Populations to Upper Watersheds
<input type="checkbox"/>	Enhances and Protects Upper Watershed Forests and Meadow Systems
<input type="checkbox"/>	Other (Please State): _____
<input type="checkbox"/>	Other (Please State): _____
Reduces Greenhouse Gas Emissions and/or Energy Consumption	
<input checked="" type="checkbox"/>	Promotes Energy-Efficient Water Demand Reduction or Increases Water Use Efficiency

<input type="checkbox"/>	Improves Water System Energy Efficiency
<input type="checkbox"/>	Advances/Expands Water Recycling
<input type="checkbox"/>	Promotes Urban Runoff Reuse that Leads to Reduced Energy Demand
<input type="checkbox"/>	Promotes Use of Renewable Energy Sources
<input type="checkbox"/>	Contributes to Carbon Sequestration (e.g. through vegetation growth)
<input type="checkbox"/>	Other (Please State):

PART 8: PROJECT COST ESTIMATE

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

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

Lower estimated total capital cost (\$): 100,000

Upper estimated total capital cost (\$): 50,000

Of the total capital cost, please indicate the estimated cost for land purchase / easement (\$): 0

Annual Operation and Maintenance Cost (\$): _____

Design Life of Project (years): 25+

Economic Feasibility

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



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:	Rehabilitate pre-1960 pipelines			
Project Sponsor:	Lake Arrowhead CSD			
If Joint Project, Other Partners:				
Project Website (if available):				
Project Contact Person:	Phone	FAX	Email	
Leo Havener	909-336-7102	909-337-3145	lhavener@lakearrowheadcsd.com	
Project Description				
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)				
Implementable projects				
Project Description (1 -2 sentences):				
Miles of old wastewater pipelines are in need of rehabilitation.				
Project Integration (Describe how the project does or could integrate with other projects in the Region):				
The rehabilitated pipelines will keep potential wastewater from entering fresh water streams.				
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):				
Wastewater Master Plan				
Project Location				
Descriptive (Description of property location etc.):				
Lake Arrowhead				
Latitude/Longitude - info available at: http://geocoder.us/	Lat:		Long:	
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<\$100K <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input checked="" type="checkbox"/>
Project Status (Check all that apply):				
	Conceptual <input type="checkbox"/>	In-Design <input checked="" type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete N/A <input type="checkbox"/> <input type="checkbox"/>
Estimated Year of Completion:				
2025				

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:	No	
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):	Possible, 300 acres in Hesperia		
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration	Y/N:	Yes	
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	No		
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>	Improve water quality and fewer wastewater spills	
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim. Second.			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

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:	Effluent Outfall Replacement Project				
Project Sponsor:	Lake Arrowhead Community Services District				
If Joint Project, Other Partners:					
Project Website (if available):					
Project Contact Person:	Phone	FAX	Email		
Leo Havener	909-336-7102	909-337-3145	lhavener@lakearrowheadcsd.com		
Project Description					
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)					
Conceptual					
Project Description (1 -2 sentences):					
Replace and upsize the existing effluent outfall pipeline, which travels approximately ten (10) miles and drops 1,200 feet in elevation to property owned by LACSD in Hesperia.					
Project Integration (Describe how the project does or could integrate with other projects in the Region):					
The LACSD property in Hesperia is used to recharge the groundwater basin. During an average year LACSD recharges the Hesperia basin with approximately 1,200 acre feet of water. With a larger outfall pipeline LACSD could provide more water for Hesperia basin recharge.					
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):					
LACSD - 2008 Wastewater Facilities Master Plan					
Project Location					
Descriptive (Description of property location etc.):					
LACSD recharge facilities are located on 300 acres located on Arrowhead Lake Road in Hesperia, directly adjoining Hesperia Lake Park and Campgrounds.					
Latitude/Longitude - info available at:	http://geocoder.us/	Lat:	Long:		
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):					
Estimated Cost:	<\$100K <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input checked="" type="checkbox"/>	
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>	N/A <input type="checkbox"/>
Estimated Year of Completion:	Unknown at this time.				

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input checked="" type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input checked="" type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:	No	
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):	No		
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Yes	Multi-benefit Y/N:	Yes
Multi-stakeholder project/regional collaboration	Y/N:	Yes	
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	No		
Environmental Stewardship/Public Awareness	Direct Benefits:	Yes	
Other: (<i>Describe X amount of benefit</i>)			
The existing effluent outfall pipeline is over 40 years old and in need of replacement. If the pipeline were to fail LACSD water will not reach the Hesperia recharge basin, there could be a massive spill, and environmental damage.			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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



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:	Gage Tributary Washes			
Project Sponsor:	MWA			
If Joint Project, Other Partners:	Flood Control			
Project Website (if available):	N/A			
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/Implementable Program				
Project Description (1 -2 sentences):				
There has been ongoing discussion for years regarding storm water flow volume and basin contribution from ungagged desert washes. Simple gages could be installed at road under-crossings. These crossings often have concrete lined channels which makes them ideally suited as ready-made weirs for ephemeral stream gages. Place a pressure transducer in a one-foot steel pipe with holes drilled in it and bolt it to the side of the concrete channel and key washes could be accurately gaged for storm flow.				
Project Integration (Describe how the project does or could integrate with other projects in the Region):				
Data gathered from this project would be invaluable to a variety of future technical studies and MWA Watermaster water budgets				
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.):				
Various - any and up to all appropriate desert washes throughout watersheds that effect the MWA 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 <input checked="" type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input checked="" type="checkbox"/>	CEQA Complete N/A <input type="checkbox"/> <input type="checkbox"/>
Estimated Year of Completion:	2014 with ongoing additions as deemed appropriate			

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Yes	Multi-benefit Y/N:	Yes
Multi-stakeholder project/regional collaboration	Y/N:		Yes
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	Yes		
Environmental Stewardship/Public Awareness	Direct Benefits:		
Other: (<i>Describe X amount of benefit</i>)	Numerous technical studies have attempted to quantify flow in desert washes. This project would eliminate the uncertainty inherent in these studies and provide actual and accurate data.		
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

Mojave Integrated Regional Water Management Plan

Project Identification – Long Form

To the extent possible this form should be electronically filled out and e-mailed BY **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: *

Helendale Community Services District

Agency / Organization / Individual Address:

26540 Vista Road, PO Box 359, Helendale CA 92342

Possible Partnering Agencies:

Mojave Water Agency

Name: *

Paul Harmon

Title:

Assistant General Manager

Telephone: *

760-951-0006

Fax:

760-951-0046

Email: *

pharmon@helendalecsd.org

Website:

Helendalecsd.org

Project Name: *

Helendale Community Park Efficient Irrigation and Demonstration Garden

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° 46' 03" N

Project Longitude: 117° 19' 40" W

Location Description:	Helendale Community Park 15425 Wild Road, Helendale, CA 92342
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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):

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.

<p>Helendale Community Park is only partially constructed. Current irrigation is using temporary agricultural pipe connected to our Ag well to irrigate a small section of grass, which is highly inefficient from a water perspective, but also is man-hour intensive having to move pipe and manually turn on and off the Ag well. Further, the park has a blow sand problem that has contributed to large sand dunes and creates a hazard on Helendale Road and Wild Road, as well as damage to property fencing and buildings. Installing and maintaining grass fields will mitigate the blow sand and provide a community park play area for under-served children within the CSD boundary as well as provide a site for community sport activities besides conserving water over a standard irrigation system or current methods.</p>

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.

Purchase and install a water efficient park irrigation system with a desert landscaping demonstration garden component. The irrigation system will have an intelligent controller and water saving sprinkler heads to optimally water the fifteen (15) acre site which includes baseball and soccer fields, picnic and grass play areas and a demonstration garden incorporated in the landscaping. The project will include installing the main water system from existing agricultural wells located at the Park as well as moving electricity to the sprinkler/water system control panel.

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

<ul style="list-style-type: none"> • Mojave Water Agency
<ul style="list-style-type: none"> • Alto Transition Zone
<ul style="list-style-type: none"> •
<ul style="list-style-type: none"> •

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):

<ul style="list-style-type: none"> • CEQA Study for 2012
<ul style="list-style-type: none"> • Park Plan
<ul style="list-style-type: none"> •

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

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

PART 4: IRWM PLAN OBJECTIVES ADDRESSED BY PROJECT *

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

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

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

PART 5: RESOURCE MANAGEMENT STRATEGIES*

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

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

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

Is the proposed project an element or phase of a regional or larger program?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<u>COMPLETE</u>	_____ 06/01/2010
Feasibility Study	<u>N/A</u>	_____ (mm/dd/yyyy)
Preliminary Design and Cost Estimates	<u>COMPLETE</u>	_____ 06/01/2010
CEQA/NEPA	<u>COMPLETE</u>	_____ 6/10/2010
Permits	<u>Not Initiated</u>	_____ 2014
Construction Drawings	<u>In Process</u>	_____ 12/15/2013
Funding	<u>Not Initiated</u>	_____ 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.

**Mojave Water Agency Demonstration Garden Grant
Mojave Water Agency Water Conservation Grant
Helendale Community Services District (Up to 40% of construction cost)**

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

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

PART 8: PROJECT COST ESTIMATE

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

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

Lower estimated total capital cost (\$): 60,000

Upper estimated total capital cost (\$): 100,000

Of the total capital cost, please indicate the estimated cost for land purchase / easement (\$): -0-

Annual Operation and Maintenance Cost (\$): 1,500

Design Life of Project (years): 20

Economic Feasibility

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



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:	Water Well No. 10				
Project Sponsor:	Helendale Community Services District				
If Joint Project, Other Partners:					
Project Website (if available):					
Project Contact Person:	Phone	FAX	Email		
Paul Harmon	760-951-0006	760-951-0046	pharmon@helendalecsd.org		
Project Description					
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)					
Conceptual					
Project Description (1-2 sentences):					
Design and construction of new water supply well (Designated as Well #10) to replace old low-volume production wells which also are showing Gross Alpha emitters as well as arsenic contamination. The project includes the purchase of a well site, drilling of the well, full equipping and testing, easements for a transmission line from well site to connect to current southern terminous of the District water system.					
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]):					
Helendale Community Services District Capital Improvement Project Budget					
Project Location					
Descriptive (Description of property location etc.):					
To be determined. Well site to be along Mojave River, south of existing water system transmission lines.					
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	
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Project Status (Check all that apply):	Conceptual	In-Design	Ready to Implement	CEQA Complete	N/A
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Estimated Year of Completion:					

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input checked="" type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>		Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	Y/N:		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	Direct Benefits:		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

Mojave Integrated Regional Water Management Plan

Project Identification - 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:	Transition Zone Water Quality Study				
Project Sponsor:	MWA				
If Joint Project, Other Partners:					
Project Website (if available):					
Project Contact Person:	Phone	FAX	Email		
Anna Garcia	760-946-7063		agarcia@mojavewater.org		
Project Description					
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)					
Study					
Project Description (1-2 sentences):					
Water quality constituents have impacted beneficial use of groundwater in the region around the Helendale fault. Previous water quality studies completed by the USGS in 2003 documented some of the water quality issues associated with the Helendale fault. Water quality anomalies were further identified in the 2003 URS Transition Zone Report and the 2007 Schlumberger Salt Model Report. The dataset has matured since these earlier studies were completed and this would be a good point to take another look at the data and try to further our understanding of the groundwater chemistry affecting this area. Work could include water quality testing, drilling and well installation, geophysical investigations, and any other scientific techniques that may result in a better understanding of the water quality conditions in the region.					
Project Integration (Describe how the project does or could integrate with other projects in the Region):					
The USGS is updating water quality maps for the MWA Service Area and will ultimately generate a report based on the updated maps. The Transition Zone Water Quality Study will consist of a focused study to evaluate arsenic, manganese, TDS, and other water quality constituents previously identified in groundwater in the Transition Zone. This study will fit within the broader water quality study that the USGS is in the process of implementing.					
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.):					
Alto Transition Zone Subarea					
Latitude/Longitude - info available at:	http://geocoder.us/	Lat:	Long:		
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):					
Estimated Cost:	This project is a study only	<\$100K <input checked="" type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input checked="" type="checkbox"/>	CEQA Complete <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Estimated Year of Completion:	2015				

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		N
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):	N		
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	N	Multi-benefit Y/N:	N
Multi-stakeholder project/regional collaboration	Y/N:		Yes
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	N		
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		Yes
Other: (<i>Describe X amount of benefit</i>)			
This project will improve local agency understanding of water quality issues in the Transition Zone. In addition, this study could help further our understanding of local water quality issues in the vicinities of other faults that dissect the region.			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim. Second.			
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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



Mojave Integrated Regional Water Management Plan

Project Identification - 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:	Well Abandonment /Destruction Project			
Project Sponsor:	Hi-Desert Water District			
If Joint Project, Other Partners:	N/A			
Project Website (if available):	N/A			
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)				
Implementable Project				
Project Description (1 -2 sentences):				
HDWD has identified 40 private and public wells within the Warren Valley Subbasin that require either destruction or protective measures to be installed. This project focuses on providing funding to well owners to complete the necessary work in an effort to protect the groundwater basin.				
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]):				
N/A				
Project Location				
Descriptive (Description of property location etc.):				
Hi-Desert Water District's watershed area.				
	http://geocoder.us/	Lat: 34 °07'01.18"N	Long: 116 °27'10.18"N	
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<\$100K <input type="checkbox"/>	\$100K - \$1M <input checked="" type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):				
	Conceptual <input type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input checked="" type="checkbox"/>	CEQA Complete <input type="checkbox"/>
Estimated Year of Completion:	2016			

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		Y
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):	N/A		
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	N	Multi-benefit Y/N:	N
Multi-stakeholder project/regional collaboration	Y/N:		Y (residential)
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	N		
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		N
Other: (<i>Describe X amount of benefit</i>)			
Provides groundwater protection measures that benefit HDWD's service area.			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

Mojave Integrated Regional Water Management Plan

Project Identification – Long Form

To the extent possible this form should be electronically filled out and e-mailed BY **January 10, 2014** 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: *

Running Springs Water District

Agency / Organization / Individual Address:

PO Box 2206, Running Springs, CA 92382

Possible Partnering Agencies:

Arrowbear Park County Water District, San Bernardino County Special District, CSA-79

Name: *

Ryan Gross

Title:

General Manager

Telephone: *

909-867-2766

Fax:

909-867-2828

Email: *

rgross@runningspringswd.com

Website:

<http://www.runningspringswaterdistrict.com/>

Project Name: *

Sewer Lift Station Nos. 1 and 3 Improvements

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 12'35.24"N

Project Longitude: 117 06"02.83"W

Location Description:	<p>Sewer Lift Station No. 1: 2401 Hunsaker Drive, Running Springs, CA 92382</p> <p>Sewer Lift Station No. 3: 32388 Parkland Drive, Running Springs, CA 92382</p>
------------------------------	--

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

•
•
•
•

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

Rehabilitation/Replacement

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 Running Springs Water District's Sewer Lift Station Nos. 1 and 3 are more than 40 years old and in need of significant improvements to increase reliability and reduce the potential for sanitary sewer overflows into the Deep Creek watershed. The improved reliability to these critical sewer lift stations will increase the water quality impacts to the headwaters of the Mojave watershed.

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.

Improvements to two sewer lift stations to increase reliability and reduce potential for sewer spills.

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

• Deep Creek Watershed
•
•
•

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):

• Running Springs Water District 2010 Wastewater Master Plan
• Running Springs Water District 2010 Financial Master Plan
• SWRCB CWSRF Project Application #7879-110

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

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

PART 4: IRWM PLAN OBJECTIVES ADDRESSED BY PROJECT *

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

Mojave IRWM Plan Objective	Contribution			Description
1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Project will increase reliability of 44 year old sewer lift stations and reduce the potential for sanitary sewer overflows into the Deep Creek watershed. The improved reliability to these critical sewer lift stations will increase the water quality impacts to the headwaters of the Mojave watershed.
9. Improve stormwater management throughout the Plan area.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	

Mojave IRWM Plan Objective	Contribution			Description
13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	Project will increase reliability of 44 year old sewer lift stations and reduce the potential for sanitary sewer overflows into the Deep Creek watershed. The improved reliability to these critical sewer lift stations will increase the water quality impacts to the headwaters of the Mojave watershed.
6. Prevent land subsidence throughout the Region.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	

PART 5: RESOURCE MANAGEMENT STRATEGIES*

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

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

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

Is the proposed project an element or phase of a regional or larger program?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<u>In process</u>	<u>01/31/2014</u>	(mm/dd/yyyy)
Feasibility Study	<u>In process</u>	<u>01/31/2014</u>	(mm/dd/yyyy)
Preliminary Design and Cost Estimates	<u>In process</u>	<u>01/31/2014</u>	(mm/dd/yyyy)
CEQA/NEPA	<u>Complete</u>	<u>12/09/2013</u>	(mm/dd/yyyy)
Permits	<u>In process</u>	<u>08/1/2014</u>	(mm/dd/yyyy)
Construction Drawings	<u>In process</u>	<u>05/01/2014</u>	(mm/dd/yyyy)
Funding	<u>In process</u>	<u>07/01/2014</u>	(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 Running Springs Water District has applied for CWSRF funding for the project. The CWSRF Project Number is 7879-110.

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)

Project will increase reliability of 44 year old sewer lift stations and reduce the potential for sanitary sewer overflows into the Deep Creek watershed. The improved reliability to these critical sewer lift stations will increase the water quality impacts to the headwaters of the Mojave watershed.

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

PART 8: PROJECT COST ESTIMATE

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

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

Lower estimated total capital cost (\$): 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

Annual Operation and Maintenance Cost (\$): 35,000

Design Life of Project (years): 40

Economic Feasibility

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

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:	City of Victorville VSD 4 Sewer Lift Station OR Reverse Osmosis Package Treatment Plant				
Project Sponsor:	City of Victorville				
If Joint Project, Other Partners:					
Project Website (if available):					
Project Contact Person:	Phone	FAX	Email		
Steve Ashton	(760) 955-2482	(760) 269-0088	sashton@victorvilleca.gov		
Project Description					
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)					
Lift Station - Design/ RO - Conceptual- since it would be small package plant - very easily implementable					
Project Description (1 -2 sentences):					
COV VSD 4 Lift Station will divert the remainder of the Federal Bureau of Prisons wastewater flow to the City's WWTP and blend the TDS from the WWTP's industrial wastewater flow down to a limit that will allow the sale of Title 22 recycled water for cooling purposes to the High Desert Power Project and a future second power plant in the area. A small package reverse osmosis treatment plant with a capacity of approximately 300 gpm would lower the City of Victorville's IWWTP effluent TDS from the current 600 - 800 mg/L down to 450 mg/L. This removal of TDS would increase reuse of the Title 22 recycled water plant effluent.					
Project Integration (Describe how the project does or could integrate with other projects in the Region):					
The <u>lift station is preferred over the RO plant</u> due to the ongoing operational and maintenance costs associated with RO. The RO project could integrate with other recycled water projects in the region, such as with the City of Adelanto; however, <u>VSD 4 lift station is preferred over this project due to the ongoing operational and maintenance costs associated with reverse osmosis.</u>					
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):					
Sewer Master Plan					
Project Location					
Descriptive (Description of property location etc.):					
Lift Station - North side of Air Expressway Road west of Village Drive in the City of Victorville. RO - At North Carolina St. and Westwinds St. at the Southern California Logistics Airport.					
Latitude/Longitude - info available at:	http://geocoder.us/	Lat: 34°34'01" 34°34'43"	Long: 117°20'31" 117°21'29"		
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):					
Estimated Cost:	<\$100K <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input checked="" type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input checked="" type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>	N/A <input type="checkbox"/>
Estimated Year of Completion:	2014				

Project Benefits					
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input checked="" type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input checked="" type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		Yes		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):					
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>			Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration	Y/N:				
Climate Change: <i>Helps assess potential impacts (Y/N):</i>					
Environmental Stewardship/Public Awareness	Direct Benefits:				
Other: (<i>Describe X amount of benefit</i>)					
Project Criteria					
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.					
IRWM Plan Objectives Met					
Prim. Second.					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.			
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.			
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.			
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.			
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.			
<input type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.			
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.			
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.			
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.			
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.			

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



Mojave Integrated Regional Water Management Plan

Project Identification - 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:	Policies requiring modifications to the Mojave Basin Area Judgment		
Project Sponsor:	MWA		
If Joint Project, Other Partners:	Watermaster and Stipulating Parties		
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
Jim, Ellen Johnson	760-257-3299		jim11983@gmail.com
Walt Brock (Tiered Rampdown)	760-1475-8153		waltbrock@ironwood.org
Dean VanBastelaar			

Project Description

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

Conceptual

Project Description (1 -2 sentences):

General Project Concept is to combine projects submitted in the IRWM Planning process regarding policy issues relating to the Mojave Basin Area judgment. The following specific ideas/descriptions have been proposed that may be considered as a part of this potential process:

- Revised #46 - Mojave River Basin Judgment: To have a fair and equitable solution for all stakeholders in the Baja area. To have an orderly water resource planning and development, and not deprive some subareas of equitable share of benefits made possible by the Physical solution.
- Revised #11 - Baja Water Budget: To use new studies to determine a physical safe yield (sustainable level) and how it relates to verified production, and not based on the Free Production Allowance, and incorporate the depletion in storage in Baja from upstream use.
- #2 and Revised #67 - Stipulated Pistachio Orchards: During the 86-90 period when water allocations were being determined most orchards were using a minimal amount of water due to young trees; it was not taken into consideration the water needed when the trees matured. It would have been a waste of water if more water was applied than needed. It is now a waste of water at this time to try to keep a tree alive, as they don't have enough water to make them productive, because of continual ramp downs. This has affected property values.
- Revised #20 - Eliminate Carryover Rights in all Subareas: Eliminate Carryover Rights in all subareas.
- Revised # 76 - Water Transfers: The idea was to create a solution that generates the money necessary to acquire water either through transfer or through import and to cause through economic forces water conservation to take place so that in the long term the amount of water supply needed for the area will be made available as opposed to reducing back to some arbitrary amount of water supply. The drafters thus contemplated that "as a result of the physical solution being imposed that a large number of agricultural interests will cease production and transfer their base annual production to the municipalities". The promise made to agriculture and those who signed the stipulation was that this court would never issue an order that put agriculture out of business.
- #104 Baja Subarea Rampdown Equity: Tiered Rampdown approach for Baja Subarea. (summarized. For full text, see original short form submitted by Walt Brock).

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

46 -> 1, 22, 20, 55, 76 and may overlap with others

11 -> 1, 8, 9, 10, 20, 43, 47, 71, Integrate the natural resources and the social and economic issues of the area.

67 -> 2

20 -> Buy imported water sooner, facilitates water transfer market in Baja and Este and promotes water use planning.

76 -> 1, 10, 25, 70, 71. 2004 RWMP scenario 2, page 5-19.

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.):
 Baja

Latitude/Longitude - info available at: <http://geocoder.us/> Lat: Long:

Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):

Estimated Cost:	<\$100K <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete N/A <input type="checkbox"/> <input type="checkbox"/>

Estimated Year of Completion:

Project Benefits

Water Demand: Water Savings/Demand Reduction (AFY) (Check one)	<input type="checkbox"/> 1-100 AF	<input type="checkbox"/> 100-1000AF	<input type="checkbox"/> 1000+ AF
Water Supply: New Supply Created (AFY) (Check one)	<input type="checkbox"/> 1-100 AF	<input type="checkbox"/> 100-1000AF	<input type="checkbox"/> 1000+ AF
Recycled Water: New RW Supply created (AFY) (Check one)	<input type="checkbox"/> 1-100 AF	<input type="checkbox"/> 100-1000AF	<input type="checkbox"/> 1000+ AF
Groundwater: Reduction in overdraft/increase in recharge (AFY) (Check one)	<input type="checkbox"/> 1-100 AF	<input type="checkbox"/> 100-1000AF	<input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		Y
Public Access, Open Space, Habitat, Recreation (acres created/restored):			
Stormwater: Reduction in Flood Damage (Y/N):	N	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	<i>Direct Benefits:</i>		
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.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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

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



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:	Assistance Program for Small Drinking Water Systems		
Project Sponsor:	Mojave Water Agency		
If Joint Project, Other Partners:	San Bernardino County Environmental Health Services		
Project Website (if available):			
Project Contact Person:	Phone	FAX	Email
Tim Gobler, MWA; Joy Chakma SBCo	760-946-7046; 1-800-442-2283		tgobler@mojavewater.org ; Joy.Chakma@dph.sbcounty.gov

Project Description

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

Conceptual

Project Description (1 -2 sentences):

Program would identify water supply, water quality and infrastructure needs of small drinking water systems within the IRWM Region. Small systems needs may include but not limited to: Water quality treatment systems, fireflow protection, replacing aging infrastructure, install new infrastructure, interconnection with other purveyors, well drilling, scada systems, feasibility studies, etc. This program would help connect small systems to available funding by identifying funding sources, assisting with grant applications and paperwork, etc. Sources of funding could include State and Federal funds from a variety of programs designed to help small systems in the identified challenges listed.

- (6) Bar-Len Mutual Water Co., Arsenic Metering Project
- (15) Center Water Co. Wells, Infrastructure & Storage Project
- (52) Golden State Water Company, New Well Project
- (69) Bighorn-Desert View Water Agency, SCADA System Project
- (74) Bighorn-Desert View Water Agency, Water Infrastructure Project
- (80) Bighorn-Desert View Water Agency, Wellhead Treatment - Uranium
- (83-85) Yermo CSD, Water Infrastructure Project
- (100) Thunderbird County Water District, Fluoride/Nitrate treatment Plant
- (120) Bighorn-Desert View Water Agency, Infrastructure, Emergency Preparedness and Storage Projects

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

See Description Above

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

N/A

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:	Depends upon availability of funds	<\$100K <input type="checkbox"/>	\$100K - \$1M <input checked="" type="checkbox"/>	\$1M - \$10M <input checked="" type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):		Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/> N/A <input type="checkbox"/>
Estimated Year of Completion:	Ongoing assistance program--no completion date				

Project Benefits

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

Project Criteria

Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.

IRWM Plan Objectives Met

Prim.	Second.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.

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

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

Mojave Integrated Regional Water Management Plan

Project Identification - Short Form

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General Information (Required)					
Project Name:	Baja Sustainability Initiative #1 (Ag. Water Conservation and Base annual Production Right (BAP) Acquisition Program)				
Project Sponsor:	MWA				
If Joint Project, Other Partners:	USDA Natural Resources Conservation Service, BSAC, Mojave Desert Resource Conservation District, Baja Minimal Producers, J&E Johnson				
Project Website (if available):					
Project Contact Person:	Phone	FAX	Email		
Curt James	760-946-7016		cjames@mojavewater.org		
Project Description					
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)					
Implementable Program					
Project Description (1 -2 sentences): (Baja Sustainability Initiative #1) This Agricultural Water Conservation program will be accomplished through several different means. It includes components of a Voluntary program funded entirely from local, state, federal and/or water fee dollars that purchases base annual production rights (BAP) from stipulated parties under the Mojave Basin Area Judgment. All BAP will be purchased by the Mojave Water Agency and be permanently retired. Each producer's percentage share of BAP will determine the eligible amount of BAP that can be sold to MWA. As well as a Crop Conversion program that would incentivize converting from water intensive crops like Alfalfa to other water efficient crops, with the ultimate goal of reducing costs to the point of making direct delivery of SPW viable and economically feasible.					
Project Integration (Describe how the project does or could integrate with other projects in the Region): BSI #1 - 1,10,25,55,70					
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.): Baja Sub 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 <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input checked="" type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>	N/A <input type="checkbox"/>
Estimated Year of Completion:	2025				

Project Benefits					
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input checked="" type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input checked="" type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/>	100-1000AF	<input checked="" type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:				Y
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):					
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>				Multi-benefit Y/N:	Y
Multi-stakeholder project/regional collaboration	Y/N:			Y	
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	N				
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>				
Other: (<i>Describe X amount of benefit</i>)					
Project Criteria					
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.					
IRWM Plan Objectives Met					
Prim. Second.					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.			
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.			
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.			
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.			
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.			
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.			

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

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:	High Desert Regional Demonstration Gardens					
Project Sponsor:	Mojave Water Agency					
If Joint Project, Other Partners:	Newberry Community Services District, City of Victorville					
Project Website (if available):						
Project Contact Person:	Phone	FAX	Email			
Christy Huiner, Mojave Water Agency	(760) 946-7000		chuiner@mojavewater.org			
Project Contact Person:	Phone	FAX	Email			
Linda DeLuca-Snively, Newberry Community Service District	(760) 257-9149					
Project Contact Person:	Phone	FAX	Email			
Donna McCormick, City of Victorville	(760) 983-9377		dmccormick@ci.victorville.ca.us			
Project Description						
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)						
Conceptual and Implementable Project						
Project Description (1 -2 sentences):						
Construction of a variety of demonstration gardens to engage and educate visitors and communities in solutions for creating beautiful and environmentally smart landscapes. Design would include development aimed at local biomes, taking in climate and soil types, and the need to demonstrate gardening, smart agriculture, irrigation infrastructure, etc. These gardens would be similarly improved in regards to education and information availability, for example, signage, information kiosks, educational material, and QR readers.						
Project Integration (Describe how the project does or could integrate with other projects in the Region):						
<ul style="list-style-type: none"> • Project 5 - Aquaponics Demonstration Gardens Submitted by Mojave Water Agency Construct two demonstration aquaponics sites to prove technology as a water efficient and profitable alternative to traditional agriculture and gardening. • Project 23 – Desert Demonstration Gardens Submitted by Baja Subarea Construct a demonstration garden and education outreach program for Baja Subarea • Project 33 – High Desert Demonstration Gardens Submitted by Mojave Water Agency Phase I: At Mojave Water Agency create a regional class garden destination. Phase II: With partners develop a series of of demonstration gardens regionally • Project 123 - Four Demonstration Gardens along the Mojave River Educational Trailway, submitted by City of Victorville 						
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):						
N/A						
Project Location						
Descriptive (Description of property location etc.):						
Regionally throughout the Mojave Water Agency Boundary						
Latitude/Longitude - info available at:	http://geocoder.us/	Lat:		Long:		
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):						
Estimated Cost:	unknown	<\$100K <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):						
		Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>	N/A <input type="checkbox"/>
Estimated Year of Completion:						
2014-2016, on-going						

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:	Yes	
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):	Yes		
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Multi-benefit Y/N:		
Multi-stakeholder project/regional collaboration	Y/N:	Yes	
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	Direct Benefits:	Yes	
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim. Second.			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

Mojave Integrated Regional Water Management Plan

Project Identification – Long Form

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

PART 1: LEAD IMPLEMENTING AGENCY/ORGANIZATIONAL INFORMATION

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

Implementing Agency/ Organization / Individual: *

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: *

Capital Water Main Replacement Program

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°06'57.10"N

Project Longitude: 116°23'45.50W

Location Description:	Hi-Desert Water District's service area within the Town of Yucca Valley, CA.
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Project Cooperating Agency(ies)/Organization(s)/Individual(s):

• N/A
• N/A
• N/A
• N/A

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

Ongoing replacement

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

Infrastructure Improvement

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.

Hi-Desert Water District owns and maintains over 300 miles of water distribution system pipeline that consists primarily of PVC, ACP, and steel constructed material. In many cases, the steel pipeline infrastructure is over 50 years old and in extremely poor condition. Due to the age of the material, the infrastructure is failing causing a high number of leaks and turbid water events that have an adverse affect on the District's customers; operating budget; conservation efforts; and the ability to provide a reliable source of water to meet both normal and peak water demands within those areas. In addition, the District's steel infrastructure also does not provide adequate spacing between isolation valves for minimal impacts to customers during required shutdowns; an ample number of properly sized fire hydrants and laterals; and a large enough capacity to meet emergency demands in many instances. In addition to providing a sounder infrastructure; this project also addresses water conservation efforts not only at the local level; but also due to the reliance the District has on State Water Project water; would increase conservation at the state-wide level. The number of leaks experienced by the District within these areas can release high volumes of water that are in direct correlation to both the District's purchase and storage of its SWP allocations.

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.

This project would include the replacement of 46,940 lineal feet of old; undersized steel water mains with that of PVC constructed water mains. During installation, new, properly spaced isolation valves and fire hydrants would also be installed along with service lines. Construction of this infrastructure would be in various areas within the Town of Yucca Valley, CA. 92284

Installation would occur by providing an open-cut trench through streets maintained by the Town of Yucca Valley. The temporary and permanent replacement of AC would be required to replace the area of road damaged by the trench line following the most current Town of Yucca Valley standards.

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

- Warren Valley Sub basin
- 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):

- 2007 Hi-Desert Water District Water System Master Plan
- Current and historical leak and water quality work orders and databases
- Urban Water Management Plan
- California Department of Public Health Design Standards
- American Water Works Association Standards

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

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

<input type="checkbox"/> Low	The project has not been done before and technical feasibility is not adequately documented.
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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.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	High volumes of leaks increase water demands, which decrease future available water supplies.
3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	The District's primary water supply, the Warren Subbasin, has experienced severe overdraft in years passed which has been mitigated by allocations of SWP water. High volumes of leaks reduce the availability of banked water.
7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	The Town of Yucca Valley is considered a DAC. In order to expedite these projects, additional funding is required to provide a benefit to all.
8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
9. Improve stormwater management throughout the Plan area.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	The reduction of water demands through the replacement of leaking facilities is part of the District's water conservation program.
10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	

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.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> 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.	<input checked="" type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input type="checkbox"/> NA	This project improves the District's water supply infrastructure and water quality. Reliable funding sources are required to expedite these projects.
14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	<input type="checkbox"/> Primary	<input checked="" type="checkbox"/> Secondary	<input type="checkbox"/> NA	Replacement of the steel water main infrastructure allows the District to "bank" more of its SWP allocations thereby decreasing its reliance on the Delta during outages, drought conditions, etc.
5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	
6. Prevent land subsidence throughout the Region.	<input type="checkbox"/> Primary	<input type="checkbox"/> Secondary	<input checked="" type="checkbox"/> NA	

PART 5: RESOURCE MANAGEMENT STRATEGIES*

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

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

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

Is the proposed project an element or phase of a regional or larger program?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<u>N/A</u>		(mm/dd/yyyy)
Feasibility Study	<u>N/A</u>		(mm/dd/yyyy)
Preliminary Design and Cost Estimates	<u>N/A</u>		(mm/dd/yyyy)
CEQA/NEPA	<u>Not initiated – expected exemption.</u>	<u>07/01/2017</u>	(mm/dd/yyyy)
Permits	<u>Encroachment permit achieved prior to start of construction.</u>	<u>Dependent upon project funding and start date.</u>	(mm/dd/yyyy)
Construction Drawings	<u>Complete</u>	<u>Completed</u>	(mm/dd/yyyy)
Funding	<u>Funding not yet allocated</u>	<u>07/01/2017</u>	(mm/dd/yyyy)

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.

Currently the District utilizes capital from water rate revenues and meter sales to fund these types of projects. In addition, the District has instituted a variable charge based upon meter size to assist in funding water main replacement. These funding sources provide for the replacement of water mains by in-house employees only and are limited. Additional funding is needed to expedite these projects.

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 water main replacement project will allow the District to provide a more efficient, reliable water supply within the proposed area. Leaks would no longer be an operation and maintenance issue lowering the District's costs to maintain the area. In addition, replacing the old steel infrastructure would improve water quality. As water travels through these water mains at high velocities, the interior of the pipe is scoured releasing tuberculation that has formed over the years into the water causing brown/orange water to enter customer's residences.

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

PART 8: PROJECT COST ESTIMATE

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

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

Lower estimated total capital cost (\$): 3,520,500

Upper estimated total capital cost (\$): 4,694,000

Of the total capital cost, please indicate the estimated cost for land purchase / easement (\$): 0

Annual Operation and Maintenance Cost (\$): 20,000

Design Life of Project (years): 50

Economic Feasibility

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

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:	BSI#2 Baja Major Storm Diversion Network			
Project Sponsor:	MWA			
If Joint Project, Other Partners:	BSAC, Baja Minimal Producers, RCD, J&E Johnson			
Project Website (if available):				
Project Contact Person:	Phone	FAX	Email	
Curt James	760-946-7016		cjames@mojavewater.org	
Project Description				
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)				
Conceptual				
Project Description (1 -2 sentences):				
(Baja Sustainability Initiative #2) A major storm event diversion network to capture storm flows and transfer them to retention ponds that could then be disbursed on the south side of the valley to help facilitate recharge and recovery in areas that are unable to receive any natural benefit from storm flows that run down the river. A reduction in the velocity of the storm flows could also greatly assist in the prevention of scouring Cady Riparian Habitat. This would also include investigation into the possible utilization of pit at Kewitt, possible installation of weirs and irrigation channels to divert flood waters to percolation ponds, injection wells.				
Project Integration (Describe how the project does or could integrate with other projects in the Region):				
BSI#2-8,9,43,47,75				
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.):				
Baja Sub 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 <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input checked="" type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete N/A <input type="checkbox"/> <input type="checkbox"/>
Estimated Year of Completion:				

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input checked="" type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input checked="" type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		Y
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Y	Multi-benefit Y/N:	Y
Multi-stakeholder project/regional collaboration	Y/N:		Y
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		Y
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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



Mojave Integrated Regional Water Management Plan

Project Identification - Short Form

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General Information (Required)					
Project Name:	R-Cubed Enhanced Purveyor Supply System				
Project Sponsor:	City of Adelanto, Golden State Water Co - Apple Vly North/South, Mojave Water Agency				
If Joint Project, Other Partners:	Potentially Apple Valley Ranchos and multiple small purveyors				
Project Website (if available):	N/A				
Project Contact Person:	Phone	FAX	Email		
GS Water - Perry Dahlstrom, Adelanto - John R. Sponsler					
Project Description					
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)					
Study, design, facilities					
Project Description (1-2 sentences):					
Design and install conveyance from R-Cubed to purveyors not currently connected to R-Cubed. This may be through direct conveyance or via interconnections with purveyors currently receiving R-Cubed water to "wheel" water to purveyors adjacent to their systems. The project includes study, design and facilities.					
Project Integration (Describe how the project does or could integrate with other projects in the Region):					
This aggregates proposed projects 37) Golden State Water, Apple Valley South System and 96) City of Adelanto. This aggregate project will also allow for yet undetermined project partners to participate and benefit.					
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):					
Capital Improvement, water reliability					
Project Location					
Descriptive (Description of property location etc.):					
Water purveyor's currently served by R-Cubed service areas and water purveyors adjacent to them.					
Latitude/Longitude - info available at: http://geocoder.us/					
		Lat:	Long:		
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):					
Estimated Cost:	<\$100K <input type="checkbox"/>	\$100K - \$1M <input checked="" type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):					
		Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>
		N/A <input type="checkbox"/>			
Estimated Year of Completion:					
Unknown					

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		Y
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):	N		
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	N	Multi-benefit Y/N:	Y
Multi-stakeholder project/regional collaboration	Y/N:		Y
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	N		
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		Yes, Reduced stress on regional aquifers
Other: (<i>Describe X amount of benefit</i>)	Increased water supply and reliability for purveyors not currently served by R-Cubed.		
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim. Second.			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

Mojave Integrated Regional Water Management Plan

Project Identification - Short Form

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General Information (Required)					
Project Name:	BSI#3 Channel Dredging, Flood Control, Riparian Protection and Vegetation Removal				
Project Sponsor:	MWA				
If Joint Project, Other Partners:	RCD, BSAC, Baja Minimal Producers				
Project Website (if available):					
Project Contact Person:	Phone	FAX	Email		
Curt James	760-946-7016		cjames@mojavewater.org		
Project Description					
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)					
Design/Implementable					
Project Description (1-2 sentences):					
The Mojave River is choked with vegetation causing channel capacities to be exceeded during major flood events. Removing the vegetation and/or excavating the channel would increase the carrying capacity and decrease the flood risk for select areas. By allowing flood water to flow without restrictions, areas downstream might have a higher probability to be naturally recharged during small and large storm events. Design and reinstate a channel(s) through project area to carry storm flows to reduce flooding of improved parcels					
Project Integration (Describe how the project does or could integrate with other projects in the Region):					
BSI#3 - 16,53					
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.):					
Alto Sub 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 <input type="checkbox"/>	\$100K - \$1M <input checked="" type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):					
		Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>
Estimated Year of Completion:					
Ongoing					

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input checked="" type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input checked="" type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		Y
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Y	Multi-benefit Y/N:	
Multi-stakeholder project/regional collaboration	Y/N:		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		Y
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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



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:	JBWD CUWCC Compliance Projects (Combining project #39 and #99)			
Project Sponsor:	Joshua Basin Water District			
If Joint Project, Other Partners:				
Project Website (if available):				
Project Contact Person:	Phone	FAX	Email	
Susan Greer, AGM	760-366-8438x225	760-366-9528	Sgreer@jbwd.com	
Project Description				
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)				
Planning, Design and Implementation of CUWCC Best Management Practices in accordance current state reqrmts.				
Project Description (1-2 sentences):				
Urban water management planning requires planning, design and implementation of a variety of best management practices for the purposes of increasing conservation, educating the community on water issues, and reducing wasteful water practices. A large component of the proposed project is a system-wide leak detection program.				
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]):				
Urban Water Management Plan, Groundwater Basin Management Plan, Regional Water Quality Control Board Planning, CUWCC Best Management Practice Documentation.				
Project Location				
Descriptive (Description of property location etc.):				
The proposed project would be conducted from District office in Joshua Tree, California				
	http://geocoder.us/	Lat: 34°08'16"N	Long: 116°18'57"W	
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<\$100K <input type="checkbox"/>	\$100K - \$1M <input checked="" type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete N/A <input type="checkbox"/> <input type="checkbox"/>
Estimated Year of Completion:	Planning & Implementation complete in 2015, if funding available 2014			

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input checked="" type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input checked="" type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N: Yes		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N)</i> :	No	Multi-benefit Y/N: No	
Multi-stakeholder project/regional collaboration	Y/N: No		
Climate Change: <i>Helps assess potential impacts (Y/N)</i> :	No		
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i> Yes - Various conservation & education		
Other: (<i>Describe X amount of benefit</i>)			
Conservation and leak detection in programs will result in reduction to groundwater overdraft, and decreased demand from water wasted because of leaks.			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	

<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.
<input type="checkbox"/>	<input type="checkbox"/>	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

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

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input checked="" type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		No
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Yes	Multi-benefit Y/N:	Yes
Multi-stakeholder project/regional collaboration	Y/N:		Yes
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	No		
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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



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:	Cedar Street Detention Basin					
Project Sponsor:	City of Hesperia					
If Joint Project, Other Partners:	San Bernardino County Flood Control District					
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)						
Conceptual Design						
Project Description (1 -2 sentences):						
The Basin would provide groundwater recharge upgradient from Hesperia Water District wells. The Hesperia Master Plan of Drainage identifies a 120 acre site for a storm water detention basin at the east end of Cedar Street and southwesterly of the California Aqueduct. In addition to storm water detention, the site would be able to accommodate groundwater recharge.						
Project Integration (Describe how the project does or could integrate with other projects in the Region):						
The recharge Project would integrate with the storm water detention facility as mentioned above.						
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, Non-Floodplain Aquifer Recharge. Capital Improvement Plan.						
Project Location						
Descriptive (Description of property location etc.):						
The area currently has scattered residential development with large pockets of undeveloped native vacant properties. San Bernardino County Flood Control will begin acquisition of the property for the Flood Control project in late 2013.						
Latitude/Longitude - info available at:	http://geocoder.us/	Lat: -117.352	Long: 34.405			
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):						
Estimated Cost:	\$ 2,000,000.00	<\$100K <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>	
Project Status (Check all that apply):		Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>	N/A <input type="checkbox"/>
Estimated Year of Completion:	TBD					

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input checked="" type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		No
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	Yes	Multi-benefit Y/N:	Yes
Multi-stakeholder project/regional collaboration	Y/N:		Yes
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	No		
Environmental Stewardship/Public Awareness	Direct Benefits:		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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



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:	BSI#4 Well Assistance Program			
Project Sponsor:	Baja Sub-Advisory Committee (BSAC)			
If Joint Project, Other Partners:	J&E Johnson			
Project Website (if available):				
Project Contact Person:	Phone	FAX	Email	
Project Description				
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)	Conceptual			
Project Description (1 -2 sentences):	BSI#4 Financial assistance program to provide low interest loans and grants to help low income individuals finance the costs for construction, refurbishment or service of their individual household water wells. May also include requests for financial assistance for SPW from Mojave River Pipeline			
Project Integration (Describe how the project does or could integrate with other projects in the Region):	BSI#4 - 26,81			
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.):	Baja Sub 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 <input type="checkbox"/>	\$100K - \$1M <input checked="" type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/> N/A <input type="checkbox"/>
Estimated Year of Completion:	Ongoing Program			

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input checked="" type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		Y
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>			Multi-benefit Y/N:
Multi-stakeholder project/regional collaboration	Y/N:		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	Direct Benefits:		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

Mojave Integrated Regional Water Management Plan

Project Identification - 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 University			
Project Sponsor:	MWA/AWAC			
If Joint Project, Other Partners:	Mojave Water Agency, Alliance for Water Awareness and Conservation, Baja Sub-Advisory Committee, Joshua Basin Water District			
Project Website (if available):	www.mojavewater.org			
Project Contact Person:	Phone	FAX	Email	
Nicholas Schneider	760-946-7038		nschneider@mojavewater.org	
Project Description				
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)				
Implementable program				
Project Description (1 -2 sentences):				
<p>The Water University Program is a comprehensive educationa and outreach program targeting teachers, real estate professionals, the business community, as well as the general public. This four-component program would offer curriculum for teachers to use in their classrooms for use in science and social studies classes. The second education component targest Fire Departments with education materials and presentations for greater water efficiencies. The third component targets businesses and the real estate community with water conservation information including native landscaping tips, and free water savings devices for the home including sprinkler nozzes, shower heads, etc. The fourth componet targests irrigation supervisors and contractors by offering a certificate program in water efficiency. This component would include regular workshops and education materials. The final component is aimed at homeowners to better educate them on water conservation. This component includes an Annual Water Expo with demonstrations, information, workshops, and free giveaways including moisture meters, nozzles, showerheads, etc.</p> <p>- Watershed Educational Awareness - educational and public outreach materials including yearly surveys to encourage a conservation ethic based on basin-wide understanding of the role and value of water and the effects of personal actions on supply and demand.</p> <p>- Groundwater Education Program - To enhance the education of our constituents on where their water comes from and how to protect it. This program will teach residentail and commercial users of water how we can maintain our groundwater levels.</p>				
Project Integration (Describe how the project does or could integrate with other projects in the Region):				
This project would help provide further support toexisting education programs in the region, and reach out to new groups including teachers, landscape professionals, and fire department personnel. Project 30, 78, and 79. Also pulling ideas from 39, 40 and 99.(Joshua Basin's Project Submittals)				
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.):				
The entire Mojave Water Agency boundaries.				
Latitude/Longitude - info available at:	http://geocoder.us/	Lat:		Long:
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):				
Estimated Cost:	<\$100K <input type="checkbox"/>	\$100K - \$1M <input checked="" type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input type="checkbox"/>
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/> N/A <input type="checkbox"/>
Estimated Year of Completion:	This would be an ongoing project based on funding availability.			

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input checked="" type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N:		Yes
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):			
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>			Multi-benefit Y/N:
Multi-stakeholder project/regional collaboration	Y/N:		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>			
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i>		
Other: (<i>Describe X amount of benefit</i>)	A greater educated public will result in lower per capita consumption.		
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
<input type="checkbox"/>	<input type="checkbox"/>	10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.	
<input type="checkbox"/>	<input type="checkbox"/>	11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

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:	San Bernardino County Flood Control District (SBCFCD) Integrated Flood Projects				
Project Sponsor:	San Bernardino County Flood Control District (SBCFCD)				
If Joint Project, Other Partners:					
Project Website (if available):	NA				
Project Contact Person:	Phone	FAX	Email		
Harold Zamora	(909) 387-8120	(909) 387-7801	hzamora@dpw.sbcounty.gov		
Project Description					
Project Type (e.g. Conceptual, Design, Feasibility Study, Implementable Project, Implementable Program)					
Construction of six (6) detention/recharge basins through out Region.					
Project Description (1 -2 sentences):					
Locations in the Region are: 1. Oak Hills Basin: The design of the proposed basin will include multiple features such as: inlet and outlet structures; channels and/or closed conduits; transition structures; headwalls and wingwalls, and basin embankments. Additionally, access roadways along tops of the embankments and around the basin, and access ramps to the basin floor. 2. Tussing - Juniper Basin: Tussing-Juniper Basin is a regional detention facility in accordance with the Apple Valley Master Plan of Drainage. It is located in the Town of Apple Valley area. 3. Donnell Basin: Donnell Basin is a regional detention facility in accordance with the Twentynine Palms Master Plan of Drainage. The project will include the re-construction of existing inlet and outlet channels, basin embankments, basin outlets - emergency spillway and Reinforced Concrete Box (RCB), construction of drainage inlets, access roads 20 feet wide on top of embankments and around the basin, and access ramps 20 feet wide. 4. Seneca/Bus Barn Basin: Seneca/Bus Barn Basin was identified in the Victorville Master Plan of Drainage (MPD) as a priority facility for flood protection, water quality and water conservation for the High Desert area. The Basin will be earthen bottom and will include inlet, outlet and transition structures, channels and/or closed conduits, transition structures, wingwalls, headwalls, cut-off walls, basin embankments, emergency spillway, access roadways along tops of the embankments and around the basins and access ramps to the basin floor. 5. Mesa Linda Basin: Mesa Linda Basin was identified in the Victorville Master Plan of Drainage (MPD) as a priority facility for flood protection, water quality and water conservation for the High Desert area. The Basin will be earthen bottom as described previously. 6. Amethyst Basin / Oro Grande Wash: Amethyst Basin is located in the City of Victorville entirely within the Oro Grande Wash. The proposed basin and emergency spillway are designed to meet 100-year and 1000-year flows respectively per District standards. The Basin will be earthen bottom as described previously.					
Project Integration (Describe how the project does or could integrate with other projects in the Region):					
Projects that were integrated into this project include original project nos. 108, 110, 111, 112, 113, and 114 - all sponsored by the SBC FCD. Bus Barn Basin is an element of an overall project that consists of the construction of three storm water detention basins: a primary basin, Amethyst to be constructed in 2014, Mesa Linda Basin and Bus Barn Basin that will be phased in at a later date. Seneca Basin is an opportunity for water recharge.					
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):					
Victorville Master Plan of Drainage (MPD)					
Project Location					
Descriptive (Description of property location etc.):					
Various locations in the Region.					
Latitude/Longitude - info available at:	http://geocoder.us/	Lat: 34.3867	Long: -117.3747		
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):					
Estimated Cost: Rough Estimates	<\$100K <input type="checkbox"/>	\$100K - \$1M <input type="checkbox"/>	\$1M - \$10M <input type="checkbox"/>	>\$10M <input checked="" type="checkbox"/>	
Project Status (Check all that apply):	Conceptual <input checked="" type="checkbox"/>	In-Design <input type="checkbox"/>	Ready to Implement <input type="checkbox"/>	CEQA Complete <input type="checkbox"/>	N/A <input type="checkbox"/>
Estimated Year of Completion:	Outside 10 year CIP program due to funding availability				

Project Benefits			
Water Demand: <i>Water Savings/Demand Reduction (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Water Supply: <i>New Supply Created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Recycled Water: <i>New RW Supply created (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
Groundwater: <i>Reduction in overdraft/increase in recharge (AFY)</i> (Check one)	<input type="checkbox"/>	1-100 AF	<input type="checkbox"/> 100-1000AF <input type="checkbox"/> 1000+ AF
DACs Involvement	Y/N: Y (downstream area of the basin)		
Public Access, Open Space, Habitat, Recreation (<i>acres created/restored</i>):	55 acres		
Stormwater: <i>Reduction in Flood Damage (Y/N):</i>	area of the basin)		Multi-benefit Y/N:
Multi-stakeholder project/regional collaboration	Y/N: Y		
Climate Change: <i>Helps assess potential impacts (Y/N):</i>	N		
Environmental Stewardship/Public Awareness	<i>Direct Benefits:</i> N		
Other: (<i>Describe X amount of benefit</i>)			
Project Criteria			
Please review the project against the IRWM Plan Objectives, Statewide Priorities, Program Preferences, and California Water Plan Resource Management Strategies and place a check in the box if the project meets the criteria.			
IRWM Plan Objectives Met			
Prim.	Second.		
<input type="checkbox"/>	<input type="checkbox"/>	1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.	
<input type="checkbox"/>	<input type="checkbox"/>	3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities.	
<input type="checkbox"/>	<input type="checkbox"/>	8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Improve stormwater management throughout the Plan area.	
<input type="checkbox"/>	<input type="checkbox"/>	2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective.	
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<input type="checkbox"/>	<input type="checkbox"/>	13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.	
<input type="checkbox"/>	<input type="checkbox"/>	14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment.	
<input type="checkbox"/>	<input type="checkbox"/>	4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons.	
<input type="checkbox"/>	<input type="checkbox"/>	5. Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.	
<input type="checkbox"/>	<input type="checkbox"/>	12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon.	
<input type="checkbox"/>	<input type="checkbox"/>	6. Prevent land subsidence throughout the Region.	

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

