# 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**](mailto: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: \***

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| --- |
| City of Victorville |

**Agency / Organization / Individual Address:**

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| P.O. Box 5001. Victorville, California 92393-5001  14343 Civic Drive, Victorville, California 92392-2399 |
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**Possible Partnering Agencies:**

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

**Name:\***

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| Steve Ashton |

**Title:**

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| Water Supply Manager |

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| --- | --- | --- |
| **Telephone:\*** |  | **Fax:** |
| 760-955-2482 |  | 760-269-0088 |

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| [SAshton@victorvilleca.gov](mailto:SAshton@victorvilleca.gov) |

**Website:**

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| [www.victorvilleca.gov](http://www.victorvilleca.gov) |

**Project Name:\***

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

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

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| --- | --- | --- | --- | --- |
| **Project Latitude:** | 34°28’16”N |  | **Project Longitude:** | 117°17’37” |

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

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

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

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

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

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

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| --- |
| Conceptual |

PART 2: PROJECT NEED\*

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

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

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| Will benefit by an aesthetically pleasing environmentally friendly pedestrian, bicyclist enthusiast, and disabled individual access pathways providing recreational and educational pathway along the Mojave River and the Mojave narrows Regional Park as well as connecting Victor Valley Transportation Center (VVTC) plaza to Victor Valley College Campus; with future phases incorporating access to the Lewis Center and MWA Operations Facility /Interpretive Center, Hesperia.  Needs the project will address:   * Preservation * Restoration * Invasive species removal * Provide Safe, Educational and alternative transportation links to various locations   Watershed Rehabilitation   * Restoration of lands * Enhance unimproved areas for erosion controls * Incorporate flood control * Channel and riparian restoration   Environmental Resources Stewardship   * Into the hands of local supporters * River cleanup * Citizen involvement   Benefits it will provide   * Access to safe recreational activity-providing safe, educational and alternative transportation links to regional interest points * Walking, bicycling, jogging enthusiasts to include access for disabled individuals and dog lovers * A lack of this type of land use * Use projections- Increasing number of bicyclists in the area   Education   * Provide accessibility to enhance river identity * Demonstrate local hydrology/geology * Empower community awareness with knowledge   Community Connectivity |

PART 3: PROJECT DESCRIPTION\*

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

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

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| The proposed, “ Mojave Riverwalk Educational Trailways’ would provide opportunities for regional partners to link and collaborate on complementary programs, planning and partnership efforts in the promotion, development and design of Educational Topic stations and demonstrations gardens established among specific points along the route of the ‘Mojave River Walk Project’ and to link future phases I and II. These Topics can demonstrate conservation educational components, to include a variety of information: Where Water Comes From, Water Treatment and Distribution: Urban Runoff Management Drinking, Drought Preparedness: Watershed Protection, Stormwater Pollution Prevention, Recycling and additional Conservation Components, establishing the following Goals:   1. Identify portions of the ‘Mojave River Walk Project’ that would benefit as “Educational station points along the trail”; prioritizing to facilitate five demonstration gardens , seven outdoor Educational and audible Kiosks; benches , pedestrian and canine drinking fountain facilities, and designing sidewalks and trails for disabled individuals to access. 2. Coordinate Public Outreach and Partnership input: Partners identified in this project proposal have expressed interest in or will be invited to participate in an open group forum, and the feedback from this forum will help to further the development, construction and curriculum of the proposed project, “ “Mojave Riverwalk Educational trailways” 3. Research, development and conduct an environmental review of an east bank trail alignment to be adjacent to the Lewis Center for Educational Research (Lewis Center) campus –which would require the addition of two Mojave River crossings and possibility of using ‘Rainbow Bridge’ as a crossing. |

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

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| * Mojave River |
| * Upper Mojave River Valley groundwater basin |
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**Please identify up to three available documents which contain information specific to the proposed project and associated benefits (this information helps determine the technical justification and feasibility):**

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

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

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

PART 4: IRWM PLAN OBJECTIVES ADDRESSED BY PROJECT \*

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

| **Mojave IRWM Plan Objective** | **Contribution** | | | **Description** |
| --- | --- | --- | --- | --- |
| 1. Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond. | Primary | Secondary | NA |  |
| 3. Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines. | Primary | Secondary | NA |  |
| 7. Provide support and assistance to Disadvantaged Communities and help facilitate projects and programs that benefit those communities. | x  Primary | Secondary | NA |  |
| 8. Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources. | x  Primary | Secondary | NA |  |
| 9. Improve stormwater management throughout the Plan area. | x  Primary | Secondary | NA |  |
| 2. Continue improving regional water use efficiency by implementing a portfolio of conservation actions that are regionally cost-effective. | x  Primary | Secondary | NA |  |
| 10. Preserve local beneficial uses as it relates to water quality of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water. | Primary | Secondary | NA |  |
| 11. Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon. | x  Primary | Secondary | NA |  |
| 13. Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply. | Primary | Secondary | NA |  |
| 14. Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment. | Primary | Secondary | NA |  |
| 4. Address the State policy goal of reducing reliance on the Delta by meeting water demands with alternative sources of supply during times when State Water Project (SWP) supplies are reduced or unavailable due to droughts, outages, environmental and regulatory restrictions, or other reasons. | Primary | Secondary | NA |  |
| 5. Optimize the use of the Region’s water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies. | Primary | Secondary | NA |  |
| 12. Improve public awareness of water supply, conservation, water quality, and environmental stewardship challenges and opportunities throughout the planning horizon. | x  Primary | Secondary | NA |  |
| 6. Prevent land subsidence throughout the Region. | Primary | Secondary | NA |  |

PART 5: RESOURCE MANAGEMENT STRATEGIES\*

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

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

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

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

PART 6: PROJECT READINESS\*

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| --- | --- | --- | --- |
| **Item** | **Status**  **(e.g., not initiated, in process, complete, N/A)** | **Expected Completion Date** | |
| **Conceptual Plans** | X Educational Component | 2015 | **(mm/dd/yyyy)** |
| **Feasibility Study** |  |  | **(mm/dd/yyyy)** |
| **Preliminary Design and Cost Estimates** | X –Mojave Riverwalk Project | 2015 | **(mm/dd/yyyy)** |
| **CEQA/NEPA** |  |  | **(mm/dd/yyyy)** |
| **Permits** |  |  | **(mm/dd/yyyy)** |
| **Construction Drawings** |  |  | **(mm/dd/yyyy)** |
| **Funding** |  |  | **(mm/dd/yyyy)** |

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

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

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| **Funding for the Mojave Riverwalk Project is provided by Transportation Enhancement Act (TEA) administered through SANBAG and Local Transportation Fund (LTF)**  **Funding for the enhancement to the Project-Mojave Riverwalk Educational Trailway has not been identified but is in conceptual phase** |

PART 7: PROJECT BENEFITS\*

**Please provide a 1-2 paragraph description of the benefit(s) that the project will address.**

**Information provided will be used in the assessment of project benefits. Quantify benefits to the extent possible (e.g., project will result in x acre-feet of water savings, project will benefit x acres of habitat)**

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

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| **Does the project address environmental justice issues (including helping reduce inequitable distribution of environmental burdens and access to environmental goods)?** | | |
| **x** **Yes** | **No** | **Not Sure** |
| **Does the project address critical water issues (including water supply or water quality) of a disadvantaged community?** | | |
| **Yes** | **x** **No** | **Not Sure** |
| **Does the project provide specific benefits to critical water issues for Native American tribal communities?** | | |
| **Yes** | **x** **No** | **Not Sure** |
| **If yes, please identify the tribal community:** | | |

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

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

PART 8: PROJECT COST ESTIMATE

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

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

Lower estimated total capital cost ($): 5,500,000.00

(Educational enhancements:$ 320,000) Proposed: Mojave Riverwalk Education Trail as an enhancement Conservational concept to the proposed project: Mojave Riverwalk Project.

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

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

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

Design Life of Project (years): 40

**Economic Feasibility**

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