

COLORADO RIVER RECOVERY PROGRAM
FY 2014-2015 SCOPE OF WORK for: OMID Efficiency Improvements

Project Number: C-34

Lead agency: Bureau of Reclamation
Submitted by: Brent R. Uilenberg
Bureau of Reclamation
Western Colorado Area Office
2764 Compass Drive, Suite 106
Grand Junction, CO 81506
Telephone No. 970-248-0641
FAX No. 970-248-0601
builenberg@usbr.gov

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|---|---|
| <u>Category:</u> | <u>Expected Funding Source:</u> |
| <input checked="" type="checkbox"/> Ongoing project | <input type="checkbox"/> Annual funds |
| <input type="checkbox"/> Ongoing-revised project | <input checked="" type="checkbox"/> Capital funds |
| <input type="checkbox"/> Requested new project | <input type="checkbox"/> Other <i>[explain]</i> |
| <input type="checkbox"/> Unsolicited proposal | |

- I. Title of Proposal: OMID Efficiency Improvements
- II. Relationship to RIPRAP: Colorado River Action Plan: Mainstem, Provide and Protect Instream Flows (Habitat Management), I.A.5.k, OMID Efficiency Improvements
- III. Study Background/Rationale and Hypotheses: One of elements of the Colorado River Recovery Program (Program) is to provide and protect instream flows necessary to recover the four listed fish species. The 15 Mile Reach of the Colorado River, extending from the Grand Valley Irrigation District diversion dam to the confluence of the Gunnison River, is heavily impacted by upstream diversions of water. These diversions include irrigation diversions to the Orchard Mesa Irrigation District (District). The Program relies on a variety of water sources to augment instream flows in the 15-Mile Reach including water stored in Ruedi Reservoir. After 2012 the amount of water available for instream flow augmentation will be reduced by 10, 825 acre-feet. Recognizing that this loss of storage water will reduce the Program's ability to meet 15-Mile Reach flow targets, Reclamation formulated a project to increase the irrigation efficiency of the District and to redirect the conserved water to increase hydroelectric power generation at the Grand Valley Power Plant and indirectly enhance instream flows in the 15 Mile Reach. The project consists of constructing canal check structures, a 100 acre-foot regulating reservoir, two pumping plants, administrative spill water recovery pipeline, canal interconnect pipeline and SCADA system. The total estimated construction cost of these facilities is \$16.5 million with an estimated annual O&M cost of \$340,000. The project was subsequently approved by the Management Committee with the conditions that an O&M funding plan be developed that would be acceptable to all parties and limited the Program's responsibility for annual O&M costs to \$100,000. An O&M contract that satisfies these conditions will be executed in FY 2013 thereby allowing for an FY 2013 construction start.

IV. Study Goals, Objectives, End Product(s): The goal of the project is to increase the irrigation efficiency of the District and to redirect the conserved water to increase hydroelectric power generation and indirectly enhance instream flows by approximately 17,000 acre-feet annually.

V. Study Area: NA

VI. Study Methods/Approach: NA

VII. Task Description and Schedule:

Prepare Final Environmental Assessment – FY 2013

Negotiate O&M Contract – FY 2011 – FY 2013

Acquire project real estate from Colorado River Water Conservation District – FY 2011

Complete designs and specifications for project facilities – FY 2013 through FY 2015

Construct project facilities – FY 2013 through 2016

VIII. Deliverables, Due Dates, and Budget by Fiscal Year:

FY 2014

Budget - \$4,390,000 (Contract and Non-Contract Costs) – Complete construction of canal check structures, finalize designs for regulating reservoir, award construction contract for regulating reservoir and initiate construction.

FY 2015

Budget - \$4,400,000 (Contract and Non-Contract Costs) – Complete construction of regulating reservoir, finalize designs for interconnection pipeline, structures and miscellaneous structures, award construction contract and initiate construction.

IX. Budget Summary: NA

X. Reviewers: NA

XI. References: NA