

Water Supply Reserve Fund – Grant and Loan Program
Water Activity Summary Sheet
March 22-23, 2017
Agenda Item 24(e)

Applicant & Grantee: Grand Valley Water Users Association

Water Activity Name: Grand Valley Roller Dam Rehabilitation Phase 2 Master Plan

Water Activity Purpose: Agricultural, Non-consumptive, M & I Study

County: Mesa

Drainage Basin: Colorado

Water Source: Colorado River

Amount Requested/Source of Funds: \$50,000 Colorado Basin Account

Matching Funds: Applicant Match (cash & in-kind) = \$95,114

- 190% of the Basin Account request (meets 25% min)
- 65.5% of the total project cost of \$145,114

Staff Recommendation:
Staff recommends approval of up to \$50,000 from the Colorado Basin Account to help fund the project titled: Grand Valley Roller Dam Rehabilitation Phase 2 Master Plan.

Water Activity Summary: WSRF grant funds, if approved, will help develop 100% design-level drawings, construction cost estimates, and specifications for the four remaining rehabilitation projects identified in the Phase 1 Master Plan. These projects (outlined below) will address non-consumptive needs, including Recovery Program issues; environmental concerns; water supply and water rights issues, including significant quantities of Pre-Compact water; compact compliance and related obligations; commercial agricultural use; as well as, urban, suburban, and municipal/industrial uses.

1. Upgrade the Roller Dam Electrical and Control Systems
2. Rehabilitate the Canal Headworks
3. Rehabilitate the Roller Tracks and Canal Concrete
4. Replace the Radial Gates at the Canal Station 22 spillway

The Phase 2 Dam and Canyon Facilities Master Plan Project will provide the next step to rehabilitating and upgrading the Roller Dam and the portion of the Government Highline Canal immediately below the Roller Dam while maintaining the Cameo Call, improving water delivery system operations, capacity and reliability, sustaining the ecological health of the river and preserving the agricultural economy of the Grand Valley. The final designs will address the permitting and environmental compliance needs to complete the construction of the projects and builds upon information provided by several entities including, but not limited to, OMID, Reclamation, Association, CWCB SWSI, and the CBRT BIP.

Discussion: As described in the Colorado Basin Roundtable Chair's Recommendation Letter, this project was unanimously voted for. The Roundtable has previously assisted this project in Phase 1 (\$42,700 in 2015) as it is called out in the Colorado Basin Implementation Plan (BIP) "Top Projects"

as meeting all six CBIP key themes. Additionally, this project assists in satisfying several Colorado Water Plan Critical Goals and Actions as identified in Chapter 10.3 including the following targets:

- A. Supply-Demand Gap: Protect and develop compact entitlements and manage risks
- D. Agriculture: Maintain agricultural viability
- E. Storage: Prioritize grants and loans to support the implementation of BIP-identified multi-purpose projects and methods

Issues/Additional Needs: No issues or additional needs have been identified.

Eligibility Requirements: The application meets requirements of the three subsections of the Eligibility Requirements: General Eligibility, Entity Eligibility, and Water Activity Eligibility.

Eligibility Based on Funding Match Requirements: This application meets the Basin Account Matching requirements.

Evaluation Criteria: This activity has undergone review and evaluation and staff has determined that it satisfies the Evaluation Criteria. Please refer to Basin Roundtable Chair's Recommendation Letter and the WSRF Grant Application for applicant's detailed response.

Funding Summary / Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-Kind</u>	<u>Total</u>	<u>Status</u>
Association/OMID	\$15,114	\$5,000	\$20,114	Secured
Reclamation Field Services Grant	\$50,000	\$0	\$50,000	Secured
CO River Water Conservation District	\$35,000	\$0	\$35,000	<i>Pending</i>
WSRA Colorado Basin Account	\$50,000	\$0	\$50,000	
Total Project Costs	140,114	\$5,000	\$145,114	

CWCB Project Manager: Anna Mauss

All products, data, and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in-turn be made widely available to Basin Roundtables and the general public and will help promote the development of a common technical platform. In accordance with the revised WSRF Criteria and Guidelines, staff would like to highlight additional reporting and final deliverable requirements. The specific requirements are provided below.

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion of the tasks identified in the scope of work including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, meeting summaries, and engineering reports/designs.

Engineering: All engineering work (as defined in the Engineers Practice Act (§12-25-102(10) C.R.S.)) performed under this grant shall be performed by or under the responsible charge of a professional engineer licensed by the State of Colorado to practice engineering.