

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
March 16-17, 2016
Agenda Item 14(m)

Co-Applicants: Vern Hillis / Mary Smith
Fiscal Agent: Vern Hillis
Water Activity Name: McKoon/Blanchard Reservoir Repair Project
Water Activity Purpose: Agricultural
County: Delta
Drainage Basin: Gunnison
Water Source: tributary to Gunnison River
Amount Requested/Source of Funds: \$47,000 Gunnison Basin Account
Matching Funds: Basin Account Match (\$47,000) = 100% of total project costs (\$55,924);
Applicant/3rd Party Match (\$8,924) = 16% of total project costs (\$55,924)
(refer to *Funding Summary/Matching Funds* section)

Staff Recommendation:
Staff recommends approval of up to \$47,000 from the Gunnison Basin Account to help fund the project titled: McKoon/Blanchard Reservoir Repair Project

Water Activity Summary: WSRA funds, if approved, will be expended to fund the project titled: McKoon/Blanchard Reservoir Repair Project. The repairs to the McKoon / Blanchard Reservoir are focused on the outlet pipe. In a routine inspection of the reservoir the Dam Safety Engineer revealed that there was a hole showing on the upstream end of the pipe. He recommended that the outlet pipe be excavated back by hand to further study this hole. Once this was done, they uncovered problems with holes along the outlet pipe. An engineer was hired to further examine the situation and make his recommendations as to how to make a lasting repair to the problem. Since then, the reservoir was put under a "no fill" restriction until these issues could be addressed. The owners got involved quickly to address the problems. They completed the repairs to the exterior of the pipe and re-compacted the material around the outlet pipe replacing the soil in the dam structure. The Engineer has recommended a liner for the outlet pipe which has not been installed. Initially the Owners had problems with the U.S. Forest Service regarding access. This has been resolved.

The second phase of this project has yet to be completed and involves the lining of the outlet pipe using a sock like material that is heated once installed to expand adhering to the walls of the outlet pipe. The Engineer will be involved in selecting a suitable contractor and overseeing this task.

As long as the repairs are not completed, the Reservoir will be administrated by a "no fill" restriction meaning the valve will remain open. The Owners have relinquished any water they would have had to operate for the 2016 irrigating season. They intend to complete this final process during the

summer months of 2016 with the intention of filling the reservoir for use in 2017. This process is subject to the inspection and approval of the Dam Safety Engineer.

Discussion: This project aligns with the goals and actions identified in the Gunnison Basin Implementation Plan. Additionally, the restoration and maintenance of reservoir storage on the Grand Mesa was identified as a Tier 1 priority in the Gunnison BIP.

This project also aligns with critical actions identified in Colorado's Water Plan:

D3: "Provide grants, loans, and technical support to update and improve Colorado's aging agricultural infrastructure, especially where improvements provide multiple benefits."

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

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria.

Tier 1-3 Evaluation Criteria: n/a

Funding Summary/Matching Funds:

<u>Funding Sources</u>	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
Hillis/Young	\$8,924	\$0	\$8,924
WSRA Gunnison Basin Account	\$47,000	n/a	\$47,000
Total Project Costs	\$55,924	\$0	\$55,924

CWCB Project Manager: Brent Newman

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 WSRA 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, summaries of meetings 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 professional engineer licensed by the State of Colorado to practice Engineering.