

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
September 21-22, 2016
Agenda Item 19(o)

Applicant & Fiscal Agent: La Plata Water Conservancy District

Water Activity Name: Joseph Freed & Red Mesa Headgate and Ditch Improvement Project

Water Activity Purpose: Agricultural Project Implementation

County: La Plata

Drainage Basin: Southwest

Water Source: Unknown

Amount Requested/Source of Funds: \$55,000 Southwest Basin Account

Matching Funds: Applicant Match: \$16,552 = 23% of the total project cost of \$71,552
(refer to *Funding Summary/Matching Funds* section below)

Staff Recommendation:

Staff recommends approval of up to \$55,000 from the Southwest Basin Account to help fund the project titled: Joseph Freed & Red Mesa Headgate and Ditch Improvement Project.

Water Activity Summary: If approved, WSRF grant funding will be employed to assist in the lining of the Joseph Freed Ditch. The Joseph Freed and Red Mesa Supply Ditches are two ditches within the La Plata River Basin. These earthen ditches have been estimated to lose as much as 40 percent of conveyed water due to seepage through the cobble and gravel soils. The La Plata Water Conservation District proposes lining one section in each of these ditches where seepage losses are particularly high. The ditches will be lined with soil amendments (bentonite and lime) that will be mixed with the existing clay soils on the ditch bottom and sides.

Discussion: The proposed work is on the list of identified projects and processes (IPP) for the La Plata River (LPR) Basin, outlined in the Southwest Basin Roundtable Basin Implementation Plan (IPP ID 15-LaP and ID 4-LaP). The IPPs include La Plata River ditch lining projects that would increase efficiency of Compact deliveries and work that will complement the existing infrastructure to conserve water used for irrigation and domestic augmentation needs.

Issues/Additional Needs: No issues or additional needs have been 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 Source</u>	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
La Plata Water Conservancy District	\$16,552	\$0	\$16,552
WSRA Southwest Basin Account	\$55,000	n/a	\$55,000
Total Project Costs	\$71,552	\$0	\$71,552

CWCB Project Manager: Finance Section

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.