

**Water Supply Reserve Account – Grant and Loan Program**  
**Water Activity Summary Sheet**  
**July 20-21, 2016**  
**Agenda Item 16(c)**

**Applicant & Fiscal Agent:** Surface Creek Ditch and Reservoir Company  
**Water Activity Name:** Eggleston Dam Outlet Repair Project  
**Water Activity Purpose:** Multipurpose  
**County:** Delta  
**Drainage Basin:** Gunnison  
**Water Source:** Surface Creek  
**Amount Requested/Source of Funds:** \$46,911 Gunnison Basin Account  
\$46,911 Total Basin Account request  
**Matching Funds:** Applicant Match: \$31,947 = 40% of the total project cost of \$78,858  
(refer to *Funding Summary/Matching Funds* section below)

<b>Staff Recommendation:</b>
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Staff recommends approval of up to \$46,911 from the Gunnison Basin Account to help fund the project titled: Eggleston Dam Outlet Repair Project.
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**Water Activity Summary:** WSRA funds, if approved, will help fund the project titled: Eggleston Dam Outlet Repair Project. Eggleston Reservoir is located on the Grand Mesa. Eggleston Reservoir is one of 16 reservoirs operated by the Surface Creek Ditch and Reservoir Company. The company was formed and incorporated in 1886. It is a stock company with 810 shares owned by 283 shareholders. Eggleston holds 2,555 acre feet of water. Impoundment rights totaling 2,555 acre feet in Eggleston Reservoir were obtained through legal appropriations between 1886 and 1937.

The reservoir services are extended to the south/southeast of the reservoir approximately 18 miles along Kiser Creek, Big Ditch and Surface Creek Ditch, which run through the town of Cedaredge, Colorado. Irrigated acreage within the service area is primarily used to grow fruit and row crops as well as limited livestock watering. The existing outlet pipe was installed in 1949.

Concerns were cited after video inspection of the existing pipe showed rust at the welded joints where the original bituminous coating is missing. The pipe has several joints that are corroded and coated with calcium deposits. The joint at approximately 90 feet from the downstream end was observed leaking clear water. It was noticed a few years ago and verified through video inspection that the pipe that was initially installed in 1949 has several corroded joints and about 90 feet from the downstream end a leak was observed. Since the pipe itself does not show any signs of structural weakness, distortion or collapse in any of the video inspection this pipe is an excellent candidate for rehabilitation using a Cured-In-Place-Pipe (CIPP) liner.

The objective of this project is to install the CIPP liner into the current downstream outlet pipe to preserve the integrity of the pipe. This will preserve the decrees and continue to provide the allocated water to agriculture and municipalities.

**Discussion:** This project meets the measurable objectives and action items in the Gunnison Basin Implementation Plan, including the rehabilitation of existing reservoirs on the Grand Mesa.

This project also meets additional critical actions identified in the Critical Action Plan (Chapter 10) of 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.
- **E2:** Prioritize grants and loans to support the implementation of BIP-identified multipurpose projects and methods, taking into consideration locally identified geographic and seasonal gaps.

**Issues/Additional Needs:** No additional issues or 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:**

<b><u>Funding Source</u></b>	<b><u>Cash</u></b>	<b><u>In-kind</u></b>	<b><u>Total</u></b>
Surface Creek	\$31,947	n/a	\$31,947
Subtotal Matching Funds	\$31,947	\$0	\$31,947
WSRA Gunnison Basin Account	\$46,911	n/a	\$46,911
<b>Total Project Costs</b>	<b>\$78,858</b>	<b>\$0</b>	<b>\$78,858</b>

**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.