

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

**Applicant & Fiscal Agent:** Fort Lyon Canal Company

**Water Activity Name:** Adobe Creek Dam Seepage Evaluation

**Water Activity Purpose:** Implementation

**County:** Kiowa and Bent

**Drainage Basin:** Arkansas

**Water Source:** Arkansas River

**Amount Requested/Source of Funds:** \$5,000 Arkansas Basin Account  
\$45,000 Statewide Account  
\$50,000 Total Grant Request

**Matching Funds:** Basin Account Match (\$5,000) = 10% of total grant request;  
Applicant Match (\$10,000) = 43% of Total Grant Request  
(meets 5% min);  
Basin & Applicant Match (\$15,000) = 30% of Total Grant  
Request (meets 25% min).  
(refer to *Funding Summary/Matching Funds* section)

<b>Staff Recommendation:</b>
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Staff recommends approval of up to \$5,000 from the Arkansas Basin Account; and \$45,000 from the Statewide Account to help fund the project titled: Adobe Creek Dam Seepage Evaluation.
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**Water Activity Summary:** WSRF Grant funds, if approved, will be expended to assist the Fort Lyons Canal Company to perform subsurface and engineering evaluations to determine the extent of dam and outlet work rehabilitation necessary for safe water storage impoundment behind the Adobe Creek Dam. Uncontrolled seepage and the potential for initial stages of piping failure were recently observed by the Division 2 Dam Safety Engineer in the area downstream of the dam toe. Numerous temporary repairs to the area have been made over the years, and additional temporary repairs were made to the dam in March 2016 with the goal of keeping the dam operational without storage restrictions through the 2016 water year.

**Discussion:** This project furthers multiple goals and objectives of the Arkansas Basin Implementation Plan. With respect to the Colorado Water Plan, this project supports Objective A. Supply-Demand Gap: "Protect and Develop Compact Entitlements and Manage Risks," Objective D. Agriculture: "Support Agricultural Conservation and Efficiency," Objective E. Storage: "Assess and promote opportunities for multipurpose and multi-partner storage projects that address strategic needs," and Objective F. Watershed Health, Environment and Recreation: "Protect healthy environments" (Section I 0.3). With respect to the last objective, Adobe Creek Reservoir is a nesting area for the Least Tern.

**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:**

This activity has undergone review and evaluation and staff has determined that it satisfies the Evaluation Criteria. Please refer to WSRA Application for applicant's detailed response.

**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>
Fort Lyon Canal Company	\$10,000	\$0	\$10,000
WSRA Arkansas Basin Account	\$5,000	n/a	\$5,000
WSRA Statewide Account	\$45,000	n/a	\$45,000
<b>Total Project Costs</b>	<b>\$60,000</b>	<b>n/a</b>	<b>\$60,000</b>

**CWCB Project Manager:** Craig Godbout

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.