

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

**Applicant & Fiscal Agent:** McClave Water Association, Inc.  
**Water Activity Name:** McClave Water Association Delivery Improvement Project  
**Water Activity Purpose:** Municipal/Industrial  
**County:** Bent  
**Drainage Basin:** Arkansas  
**Water Source:** Arkansas River  
**Amount Requested/Source of Funds:** \$23,010 Arkansas Basin Account  
\$25,000 Statewide Account  
\$48,010 Total Grant Request

**Matching Funds:** Basin Account Match (\$23,010) = 47.9% of total grant request (meets 5% min);  
Applicant/3<sup>rd</sup> Party Match (\$6,800) = 14.1% of total project costs (\$54,810)  
Basin Account & Applicant Match (\$29,810) = 62% 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 \$23,010 from the Arkansas Basin Account and \$25,000 from the Statewide Account to help fund the project titled: McClave Water Association Delivery Improvement Project.
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**Water Activity Summary:** WSRA funds, if approved, will be expended to fund the project titled: McClave Water Association Delivery Improvement Project. The system was constructed in the 1960s and has undergone only limited improvements since that time due to a lack of financing, but is in need of significant repairs and replacements. Because of the high poverty rate in the area however (Bent County ranked as 4th highest poverty level in Colorado by U.S. Census Bureau), member rate increases are not a viable way for the Association to raise funds to replace its aging infrastructure.

The McClave Water Association Delivery Improvement Project will allow for replacement of two sections of PVC distribution line (totaling about 1.5 miles in length) that currently experience heavy water loss due to deteriorated PVC pipe. The Board of Directors has deemed these two sections of distribution line as top priority for replacement due to the high amount of leakage loss currently taking place. It is estimated that these improvements will result in 8 acre-feet of water savings annually. This water savings is significant to the McClave Water Association, as it represents approximately 20% of the water produced annually by the Association's wells.

Task One – Site Preparation and Utility Location: McClave will coordinate with Bent County for the removal of weeds and other vegetative debris along the water right right-of-way. McClave will then

work with utility companies to identify and mark locations of existing utilities within the rights of way to prepare for trenching and pipe installation.

**Task 2 - Distribution Line Replacement:** McClave will retain a contractor to perform the distribution line replacement and the association replacement of meter connections and valves on two pipe segments. The first pipe segment is a new three-inch PVC distribution line in the north right of way of Bent County Road LL between Road 28 (east) extending to a point approximately 4500 feet west. The second pipe segment is a new two-inch PVC distribution line in the north right of way of Bent County Road JJ between Road 32 (east) extending to a point approximately 3000 feet west. Eight meter connections and valves along these two stretches of distribution line will be replaced at the same time (six within the first segment and two in the second segment). McClave staff will oversee the contractor in trenching and laying two new pipe segments in the McClave water distribution system and replacing eight meter connections and valves located within those segments. Trenching and pipe installation will be done to a minimum depth of 36 inches and will include tie-ins to service lines and the main line of the McClave water distribution system. After installation and after introduction of new water to the installed lines to observe satisfactory functioning and workmanship, the contractors will backfill the trench.

**Discussion:** This project meets the goals and objectives identified in the Arkansas Basin Implementation Plan, specifically the municipal goal to “Support regional infrastructure development for cost-effective solutions to local water supply gaps.” (Section 1, page 15)

This project also aligns with critical actions identified in Colorado’s Water Plan, such as the support of BRT-identified priority projects. Additionally, this project correlates with action items in Section 6.5 related to the maintenance and updating of aging infrastructure.

**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 Sources</u></b>	<b><u>Cash</u></b>	<b><u>In-kind</u></b>	<b><u>Total</u></b>
McClave Water Association	\$4,800	\$2,000	\$6,800
WSRA Arkansas Basin Account	\$23,010	n/a	\$23,010
WSRA Statewide Account	\$25,000	n/a	\$25,000
<b>Total Project Costs</b>	<b>\$52,810</b>	<b>\$2,000</b>	<b>\$54,810</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.