

**Water Supply Reserve Account – Grant and Loan Program**  
**Water Activity Summary Sheet**  
**July 16-17, 2013**  
**Agenda Item 23.f**

**Applicant:** Grand Mesa Water Users Association

**Water Activity Name:** Replacement of Measuring Devices on Grand Mesa

**Water Activity Purpose:** Agricultural

**County:** Delta

**River Basin:** Gunnison

**Water Source:** Surface Creek, Ward Creek, Kaiser Creek and Dirty George Creek

**Amount Requested:** \$40,000 (Gunnison Basin Account)

**Matching Funds:** \$27,000 total cash contribution (\$20,000 cash contribution from Grand Mesa Water Users Association, and \$7,000 cash contribution from Grand Mesa Water Conservancy District)

<b>Staff Recommendation</b>
Staff recommends approval of up to \$40,000 from the Gunnison Basin Account to help complete the project titled: Replacement of Measuring Devices on Grand Mesa.

**Water Activity Summary:**

Grand Mesa Water Users Association, a not for profit organization, is an administrative company that contracts with reservoir owners on the Grand Mesa for services including: spring maintenance; measuring and quantifying water amounts in each reservoir; and maintaining records of water usage for a large number of irrigators with over 4,000 acre feet of water per year. The Colorado Division of Water Resources has notified the applicant in a letter dated March 7, 2013 that “*for proper accounting of releases, accurate measuring devices are needed and required under CRS 37-84-112*”, and has indentified 14 specific Parshall Flumes operated by the Grand Mesa Water Users Association that require replacement. The applicant states that the accuracy of these devices is essential to the management, conservation, and delivery of water, and are part of an intricate system that measures natural stream flows and reservoir releases and enable the Water Commissioner to insure the accuracy of delivery of water to users in the Surface Creek Valley.

To address this concern, the applicant proposes that the 14 existing Parshall Flumes identified by the Division of Water Resources be replaced and constructed with 3/16 inch steel plate material to endure conditions found at high elevations. Subsequent to the replacement of the 14 Parshall Flumes, the Grand Mesa Water Users Association will bill the affected reservoir owners for the cost of the installed flumes, whereas the repayment of the proposed expenditures by the reservoir owners will create a special fund that will allow the repair and replacement of administrative measuring devices on an annual basis in the future.

### *Threshold and Evaluation Criteria*

The application meets all four Threshold Criteria.

### *Funding Overview*

The applicant is requesting \$40,000 in WSRA funding from the Gunnison Basin Roundtable Account, with a total matching cash contribution of \$27,000 (approximately 68 percent), of which a \$20,000 cash contribution (50 percent) will be provided directly by the applicant, with an additional \$7,000 cash contribution (approximately 18 percent) provided by the Grand Mesa Water Conservancy District, for a total project cost of approximately \$66,800.

### **Discussion:**

No additional discussion is needed.

### **Issues/Additional Needs:**

No issues have been identified.

### **Staff Recommendation:**

Staff recommends approval of up to \$40,000 from the Gunnison Basin Account to help complete the project titled: Replacement of Measuring Devices on Grand Mesa.

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 and Final Deliverable:**

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. 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.