

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
January 27-28 2014
Agenda Item 31(d)

Applicant: Lone Cabin Ditch and Reservoir Company

Water Activity Name: Lone Cabin Dam Rehabilitation Project

Water Activity Purpose: Agricultural/Implementation

County: Delta

River Basin: Gunnison

Water Source: Middle Fork and Lake Fork of Minnesota Creek

Amount Requested: \$83,150 from the Gunnison Basin Account, (increasing total Basin Account request from \$38,000 to \$121,150)

Matching Funds: The Gunnison Basin Account match is 72% of the total grant amount, while the Applicant's match is 100% of the total grant amount.

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| Staff Recommendation: |
| Staff recommends approval of up to \$83,150 from the Gunnison Basin Account (total request of \$121,150) for the project titled: Lone Cabin Ditch and Reservoir Company - Lone Cabin Dam Rehabilitation Project. |

Water Activity Summary: WSRA funds would be used to pay for geotechnical investigation of existing structural conditions of the dam, soil testing, monitoring of water sources and content within the dam, technical assistance with preparation of a feasibility study, design of repair and rehabilitation activities and construction of the project as designed, including related costs for engineering oversight, inspection, materials and construction activities necessary to finalize and complete the project. A slump or slide in the dam of the reservoir was discovered in August, 2011, and the State Engineer's Office placed a storage restriction on the Lone Cabin reservoir at 20 feet below the crest of the dam. The slump repair project will repair a small slide, approx. 100 feet by 45 feet and 5 feet deep, in the downstream side of the dam by excavating the failed area, with suitable margins on all sides; installation of a chimney drain; covering the drain filter material with compacted on-site excavated backfill; and discharging of the effluent to the existing spillway drain system. These repairs are required in order for the State Engineer's Office to remove the storage restriction placed on the reservoir. The storage capacity of the reservoir provides the irrigation water for 18 farms on Lamborn Mesa, Paonia, CO, and allows for finishing crops at the end of the growing season.

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria.

Funding/Match Summary:

(Please reference the following *Discussion* section)

Discussion:

In September 2013 the CWCB approved a WSRA Gunnison Basin Account request of \$38,000, and a WSRA Statewide Account request of \$46,000 for this project. This current request for additional WSRA Gunnison Basin Account funds will increase the Gunnison Basin Account request by \$83,150, for a total of \$121,150. In September 2013 the CWCB also approved a CWCB Loan for this project in the amount of \$252,803, and CWCB's Finance Section estimated total project costs at \$334,300. Therefore, if final project costs are \$334,300, the applicant will have contributed \$167,150 (50% cash match of total project costs), the Gunnison Basin Account will have contributed \$121,150 (36% cash match of total project costs), and the remaining \$46,000 will have been provided from the Statewide Account (total WSRA Grant funding is \$167,150 from both the Gunnison Basin and Statewide Accounts). CWCB's Project Manager will distribute funds on a 50/50 basis (50% WSRA Grant/50% CWCB Loan), until \$334,300 is reached, at which point all WSRA approved grant funding (\$167,150) will have been exhausted. Subsequent to this amount, all remaining funding will be distributed from the CWCB Loan Program until the \$252,803 loan amount is reached.

The Gunnison Basin Account match is 72% of the total grant amount (\$121,150 Gunnison Basin Account Grant/\$167,150 Total Grant Amount), while the Applicant's match is 100% of the total grant amount (\$167,150 Applicant's Contribution/\$167,150 Total Grant Amount).

Issues/Additional Needs:

No additional issues or needs were identified.

Staff Recommendation:

Staff recommends approval of up to \$83,150 from the Gunnison Basin Account (total Basin Account request of \$121,150) for project titled: Lone Cabin Ditch and Reservoir Company - Lone Cabin Dam Rehabilitation Project.

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.