

**Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
Agenda Item 22.a**

Applicant: Leon Park Reservoir Company

Water Activity Name: Leon Park Reservoir Dam Outlet Repair Project

Water Activity Purpose: Structural Water Project

County: Delta

Drainage Basin: Gunnison

Water Source: East Fork of Surface Creek

Amount Requested: \$31,372 (Gunnison Basin Account)

Matching Funds: \$12,723.36 (Applicant), \$15,000 (Colorado River Water Conservation District Grant)

Staff Recommendation
Staff recommends approval of up to \$31,372 from the Gunnison Basin Account to help complete the Leon Park Reservoir Dam Outlet Repair Project.

Water Activity Summary:

In the fall of 2009, a small sinkhole was found just behind the headgate structure on the Leon Park Dam that caused the conduit to be separated from the gate structure. A temporary patch was placed over the failed section and the dam was filled. The following year (2010) the same problem appeared and it was determined that the problem section of the conduit structure needed to be replaced. Temporary repairs on this section of conduit were completed in 2010 with plans made for final repairs on the dam as soon as possible.

A geotechnical study has determined that the main wooden conduit structure is sound and does not need replacement. However, the study found that the headgate and front section of the intake structure need to be replaced. In addition, the outflow section of conduit needs to be supported with a new precast outfall system to prevent erosion on the downstream face of the dam. The stilling pond also needs to be excavated to lower the water level to allow for inspection around the outflow pipe for any leaking through the dam structure. Finally, the deteriorated gate stem and pipe must be replaced.

Threshold and Evaluation Criteria

The application meets all four Threshold Criteria.

Funding Overview

The applicant is contributing over 20% of the total costs of the project. In addition, a grant from the Colorado River Water Conservation District in the amount of \$15,000 will cover over 25% of the project's costs.

Discussion:

As identified in the SWSI findings, small agricultural water users often lack the financial ability to adequately address infrastructure needs without financial aid. The Leon Park Reservoir Company does not possess the financial resources to make the required improvements to efficiently utilize its existing water rights. In addition, the SWSI Management Objectives, of the SWSI Phase II Report: Addressing the Water Supply Gap Technical Roundtable, include to "sustainably meet agricultural demands." That management objective is directly met through this activity. The project effectively meets the objectives of HB 1177 and the consumptive needs of the Gunnison Basin by rehabilitating existing infrastructure to preserve agricultural water use.

Issues/Additional Needs:

No issues or additional needs remain.

Staff Recommendation:

Staff recommends approval of up to \$31,372 from the Gunnison Basin Account to help complete the Leon Park Reservoir Dam Outlet Repair 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: 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.