

**Water Supply Reserve Account – Grant and Loan Program  
Water Activity Summary Sheet  
Agenda Item 14b**

**Applicant:** City of Trinidad

**Water Activity Name:** North Lake Dam Rehabilitation Project

**Water Activity Purpose:** Structural Activity

**County:** Las Animas

**Drainage Basin:** Arkansas

**Water Source:** North Fork of the Purgatoire

**Amount Requested:** \$739,235

**Source of Funds:** Arkansas basin account (\$36,962) and Statewide Funds (\$739,235)

**Matching Funds:** Yes, \$369,616 (20%)

<b>Staff Recommendation</b>
Staff recommends approval of up to \$739,235 from the Statewide Account and up to \$36,962 from the Arkansas basin account to help fund the North Lake Dam Rehabilitation Project contingent upon resolution of the items listed in the issues/additional needs section below.

**Water Activity Summary:**

The City of Trinidad plans on rehabilitating North Lake Dam. North Lake Reservoir is located approximately 40 miles west of Trinidad and is the primary source of municipal water for the City. Because of safety concerns, the Office of the State Engineer imposed a restriction on the dam. To avoid further restrictions, the City intends to address the dam safety concerns by constructing a new stability berm and replacing the spillway. The total project cost is estimated to be \$1,848,086.

Based upon the engineer's Opinion of Probable Construction Cost, the cost of this project is estimated at \$1,848,086.00. Sources of funding are as follows:

• The City of Trinidad is prepared to contribute:	<b>\$369,616.00 (20%)</b>
• Proposed WSRA grant funding:	<b>\$739,235.00 (40%)</b>
• CWCB Loan:	<b>\$739,235.00 (40%)</b>
	=====
	<b>\$1,848, 086.00 (100%)</b>

**Discussion:**

Staff believes this project is an important project in that it will help the City of Trinidad regain the yield in the North Lake Reservoir that is currently restricted. This reservoir is the main source of supply for the city and ensuring a reliable and firm water supply for this community is critical. Staff evaluation of this project was based on how well this project appeared to meet the various evaluation criteria in the grant program's criteria and guidelines. This is one of the first "CWCB loan/WSRA grant packages" to be considered by the CWCB as defined by the WSRA Criteria and Guidelines. The Criteria and Guidelines requires that grant/loan packages have a CWCB loan/WSRA grant ratio of 1:1 or higher, with preference will be given to those with a higher loan/grant ratio. While this application is requesting a Statewide WSRA grant with the minimum loan/grant ratio of 1:1, upon review of the application, staff believes the applicant did a good job articulating how this project

meets the evaluation criteria. Staff believes the applicant did a good job articulating how this project meets the evaluation criteria. Below is staff's summary of how they met the evaluation criteria. |

Tier 1: Promoting Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs

The North Lake Project appears to address multiple needs or issues (i.e. municipal/industrial needs, non-consumptive) and involves multiple entities, including the Colorado Parks and Wildlife with a State Wildlife Area being affected. While the project may not address the future water supply Gap directly, if this project were not implemented, the regional water supply Gap could increase. In addition, while the basin roundtables have not identified this reservoir as an IPP, the roundtable has identified storage as a critical component of their water supply needs and management.

Tier 2: Facilitating Water Activity Implementation

The applicant has discussed how this grant funding can help implement the project and this funding will make a significant difference in the implementation of the water activity. In addition, with the in-kind contributions including the CWCB loan, the applicant has demonstrated a significant and appropriate commitment to the project.

Tier 3: The Water Activity Addresses Other Issues of Statewide Value and Maximizes Benefits

The applicant also indicates how this reservoir is important to the Colorado Parks and Wildlife, the fishery and the State Wildlife Area for recreational and environmental purposes. There is a tie to the utilization of compact waters and the project is complimentary to other CWCB programs, especially the finance/loan program.

**Issues/Additional Needs:** The City of Trinidad is a covered entity and is eligible for grants/loans from the CWCB only if they have adopted a water conservation plan, as defined in Section 37-60-126 C.R.S. Therefore, staff recommends that funding of this project be contingent upon a CWCB approved water conservation plan. .

**Reporting and Deliverables:** 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.