

STATE OF COLORADO

Colorado Water Conservation Board Department of Natural Resources

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TO: Colorado Water Conservation Board Members

John W. Hickenlooper
Governor

FROM: Jacob Bornstein,
Water Supply Planning Section

Mike King
DNR Executive Director

DATE: November 2, 2012

Jennifer L. Gimbel
CWCB Director

SUBJECT: **Agenda Item 25, November 13-14, 2012 Board Meeting
Water Supply Reserve Account Program**

Staff Recommendation

A summary of staff's recommendation for each WSRA application is provided in the table below. Favorable recommendations may be contingent on providing the CWCB with additional information, clarifications, or modifications in the scope of work. Please refer to the Water Activity Summary Sheets contained within this agenda item to find a summary of staff's review and any conditions associated with each recommendation. Full application materials are available upon request.

	Basin	Project Name	Total Request	Recommendation
a.	Yampa/White	Rangely Raw Water Irrigation System Flow Study/Design	\$12,500	To fund up to \$12,500 from the Yampa/White Basin Account.

Background

For this agenda item the Board is provided with a brief overview of applications to the Water Supply Reserve Account (WSRA). Attachments to this memo include:

- Summary spreadsheet detailing funding requests for the basin and statewide accounts;
- Water Activity Summary Sheets which provide an overview, discussion, issues/additional needs, and staff recommendation regarding funding, partial funding, or not funding the applications; and

Staff's review of the applications involves the following steps:

- 1) Applications are reviewed for completeness based on the information requirements, which are primarily outlined in Part 2 of the Criteria and Guidelines (C&G).
- 2) Applications are reviewed to verify that the water activity meets the **eligibility requirements** in Section 39-29-108 (III) C.R.S. (C&G, Part 2) and the **threshold criteria**, which are based on the requirements of Section 39-29-108 (III) C.R.S., and two sections of the Water for the 21st Century Act (House Bill 1177); Section 37-75-102 and Section 37-75-104(2)(c) (C&G, Part 3). Staff also verifies that the applicant is an **eligible entity** to receive funding (C&G, Part 2).

- 3) Staff then prepares the Water Activity Summary Sheet which documents the outcome of the review process and contains staff's recommendations.

Water Supply Reserve Account Balance Summary and Project Status Report

To provide the Board updates on the status of specific Water Supply Reserve Account grant applications and projects, staff provides a status report in the CWCB Director's Report. The WSRA status report includes the following information:

- List of completed WSRA projects;
- List of WSRA projects in progress; and
- List of WSRA projects in the contracting and procurement process.



Water Supply Reserve Account Applications for Consideration at the CWCB November 2012 Board Meeting						
Basin	Applicant	Name of Water Activity	Date Received	CWCB Meeting	Basin Account Request	Total Request
Yampa/White	Town of Rangely	Rangely Raw Water Irrigation System Flow Study/Design	9/30/2012	Nov-12	\$12,500	\$12,500
Yampa/White Basin Total Requests					\$12,500	\$12,500
Water Supply Reserve Account Total November Requests					\$12,500	\$12,500

**Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
Agenda Item 25.a**

Applicant: The Friends of the Yampa

Water Activity Name: Yampa River Structures Project

Water Activity Purpose: Structural Project

County: Routt

Drainage Basin: Yampa

Water Source: Yampa River

Amount Requested: \$12,500 (Yampa/White Basin Account)

Matching Funds: \$12,500 (applicant cash match), which is a 100% match for the request

Staff Recommendation
Staff recommends conditional approval of up to \$12,500 from the Yampa/White Basin Account to develop a masterplan for expanding Rangely's dual water system.

Water Activity Summary:

The Town of Rangely is seeking a planning grant to help expand their current commercial raw water system to include residential and smaller commercial uses. The current raw water system is over 30-years old and only provides raw water for irrigation to large users, including the school district properties, parks, hospital, golf course and other large open spaces. Many of the existing components have exceeded their expected service life and may need replacement. The Town's domestic water system, including its water treatment plant, is also nearing its expected service life and the Town is currently undertaking plans for the upgrade and/or replacement of the treatment facility. By taking the significant summer irrigation season demands off the domestic system, the upgrades to the domestic water system will not need to be nearly as significant.

Specific objectives of the project include:

1. Determine and quantify the condition and extent of the existing raw water system, including the river intake, the raw water pumping systems, the distribution system and available storage.
2. Create a hydraulic model of the existing system.
3. Prepare a hydraulic model for the build-out of the raw water system to include additional service areas as well as different service categories.
4. Complete a Masterplan for a phased build-out of a future raw water irrigation system.

Threshold and Evaluation Criteria

The application meets all four Threshold Criteria.

Discussion:

Staff supports the tasks and objectives of this project because it helps meet a municipal need in the White River basin.

Issues/Additional Needs: No additional needs were identified.

Staff Recommendation:

Staff recommends conditional approval of up to \$12,500 from the Yampa/White Basin Account to develop a masterplan for expanding Rangely's dual water system.

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.

Map of Rangely and segments of their Raw Water System

