

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
September 24, 2013
Agenda Item 18(n)

Applicant: Pikes Peak Regional Water Authority

Water Activity Name: Regional Water Infrastructure Feasibility Study

Water Activity Purpose: Needs Assessment

County: El Paso

River Basin: Arkansas

Water Source: n/a

Amount Requested: \$50,000 (Statewide Account) & \$25,000 (Arkansas Basin Account)

Matching Funds: \$167,000 Total Match: \$88,500 cash (37% - PPRWA Members) and \$78,500 in-kind (32% - PPRWA Members, Colorado Springs Utilities, and El Paso County)

Staff Recommendation:
Staff recommends approval of up to \$50,000 from the Statewide Account and \$25,000 from the Arkansas Basin Account to fund the Pikes Peak Regional Water Authority - Regional Water Infrastructure Feasibility Study.

Water Activity Summary: The water providers involved are heavily dependent on nonrenewable Denver Basin groundwater in an area which represents the largest M&I gap in the Arkansas Basin, which is expected to worsen in the future. The intent of this cooperative effort is to identify the critical water supply objectives of each participant, identify and analyze possible joint water projects to meet those objectives, and plan for the necessary actions to develop the more promising projects. The study will proceed in the following order:

1. Refining project objective and establishing study protocols
2. Literature review of existing studies; preliminary analysis and summary of participants projected water demands and available supplies; development of a partnering matrix exhibiting existing infrastructure, common priorities, and infrastructure needs; drafting of Summary Report for review that explores possible cooperative project opportunities and constraints; detailed analysis of selected projects based on participant feedback that includes conceptual cost estimates, timelines, and a closer examination of benefits and potential obstacles; mapping will be developed to assist in the study and to communicate findings to participants and other stakeholders.
3. Organization of Preliminary Development of Alternatives based on the following geographical areas and operational considerations:
 - a. Area 1 – Pueblo Reservoir to South Fountain
 - b. Area 2 – South Fountain to Black Forest
 - c. Area 3 – Black Forest to Palmer Divide
 - d. Reuse
 - e. Other Exchange or Trade Opportunities
 - f. Other Proposed Regional and State Water Projects

4. Project work session to clarify objectives, preferences, goals to focus on promising alternatives for further detailed analysis
5. Perform Feasibility Studies on remaining projects resulting in project implementation recommendations.

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria.

Funding/Match Summary:

	Cash	In-Kind	Total
WSRA Statewide Account	\$50,000	\$0	\$50,000
WSRA Arkansas Basin Account	\$25,000	\$0	\$25,000
Cherokee Metro District	\$30,000	\$24,000	\$54,000
Colorado Springs Utilities	\$0	\$8,400	\$8,400
Donala Water & Sanitation	\$10,000	\$3,000	\$13,000
El Paso County	\$0	\$5,100	\$5,100
City of Fountain	\$4,500	\$8,000	\$12,500
Town of Monument	\$10,000	\$9,500	\$19,500
Town of Palmer Lake	\$1,500	\$1,500	\$3,000
Triview Metro District	\$2,500	\$1,500	\$4,000
Woodmoor Water & Sanitation District	\$30,000	\$17,500	\$47,500
Total Project Costs	\$163,500	\$78,500	\$242,000

The application articulates how the project meets the Evaluation Criteria as summarized below:

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

- a. Potential of utilizing shared infrastructure contributes to conservation efforts by minimizing system losses, and avoids the environmental impact of developing and operating multiple systems, thereby benefiting consumptive M&I uses and nonconsumptive environmental and recreational uses.
- b. The current study effort demonstrates a high degree of cooperation and collaboration among nine traditional consumptive water interests while also extending the possibility of expanded cooperation and collaboration in the future during project design, construction and operational phases.
- c. This water activity helps meet Colorado's future water needs by implement identified projects and process, such as reuse, maximizing existing water rights, exchanges, and active conservation by minimizing system losses through shared infrastructure.

Tier 2: Facilitating Water Activity Implementation:

- d. WSRA funding increases the level of cooperation among the participants because no other grant funding source has been found, and allows this project to be as comprehensive as it must be in order to produce a significant impact on the region's water future.
- e. Participants' cash and in-kind matching contribution of \$167,000 of total study costs of \$242,000 (representing 69% of total study costs), demonstrate a significant and appropriate commitment to the project by the applicant.

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

- f. n/a
- g. n/a
- h. n/a

- i. n/a
- j. n/a

Discussion:

No additional discussion is needed.

Issues/Additional Needs:

No additional issues or needs were identified.

Staff Recommendation:

Staff recommends approval of up to \$50,000 from the Statewide Account, and \$25,000 from the Arkansas Basin Account for project titled: Peak Regional Water Authority - Regional Water Infrastructure Feasibility Study.

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.

