Water Supply Reserve Account – Grant and Loan Program Water Activity Summary Sheet March 18-19, 2015 Agenda Item 17(c)

Applicant & Fiscal Agent: Pike's Peak Regional Water Authority

Water Activity Name: Regional Water Supply Infrastructure Project: Preliminary Engineering of

Area 3 Facilities

Water Activity Purpose: Municipal/Industrial Supply

County: El Paso

Drainage Basin: Arkansas

Water Source: Arkansas River

Amount Requested/Source of Funds: \$26,000 Arkansas Basin Account

\$100,000 Statewide Account \$126,000 Total grant request

Matching Funds: Basin Account Match (\$26,000) = 20.6% of total grant request;

Basin Account and Applicant Match (\$82,000) = 65% of total grant request; Basin Account and Applicant Match = 45% of total project costs (\$182,000)

(refer to Funding Summary/Matching Funds section)

Staff Recommendation:

Staff recommends **conditional** approval (refer to *Issues/Additional Needs* section) of up to \$26,000 from the Arkansas Basin Account and \$100,000 from the Statewide account to help fund the study titled: Regional Water Supply Infrastructure Project: Preliminary Engineering of Area 3 Facilities.

Water Activity Summary:

PPRWA have recently produced (with assistance from WSRA funds) a Regional Infrastructure Study, seeking alternatives to nonrenewable Denver Basin groundwater to meet future demands. This area in central and Northern El Paso County is heavily dependent on this groundwater resource, and the Phase I study sought a system that would meet future infrastructural and supply needs. This concept involves various components, including Arkansas River storage, and infrastructure in the Palmer Divide Area.

Area 3, the focus of this proposed preliminary engineering scope, consists of storage, conveyance, and potential treatment facilities in the Monument area. The proposed facilities would support both near- and long- term needs.

Discussion:

The scope of services includes four major tasks:

- 1) Data review, field reconnaissance, and utility search
- 2) Area 3 storage preliminary engineering
- 3) Area 3 conveyance system preliminary design
- 4) Consideration to allow for possible addition of a regional treatment facility later

The project will conclude with preferred locations being selected for storage and conveyance of supply. Preliminary design and engineering will be complete, with the consideration of a treatment facility when necessary.

Issues/Additional Needs:

In the basin roundtable letter of approval, the grant approval is made conditional on roundtable approval of a presentation of the findings of the Regional Infrastructure Study that preceded this application. The roundtable did approve the presentation, and agreed to pass along this application to the CWCB as recommended for approval.

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria

Tier 1-3 Evaluation Criteria:

This project has undergone review and evaluation per the Supplemental Scoring Matrix. Further analysis of the project, and how the project will meet Tiered Evaluation Criteria, is provided by the applicant in the WSRA Application.

Funding Summary/Matching Funds:

Cash funds and in-kind services will be provided by study participants. Cash fund contributions total \$41,000 and in-kind services total \$15,000. Matching funds by participant are summarized in the following table.

PROJECT FUNDING SUMMARY	Dollars		In-Kind		Total Support	
Cherokee Metro District	\$	5,000	\$	3,500	\$	8,500
Donala Water & Sanitation District	\$	10,000	\$	3,000	\$	13,000
City of Fountain	\$	1,000	\$	500	\$	1,500
Town of Monument	\$	10,000	\$	3,000	\$	13,000
Palmer Lake	\$	5,000	\$	1,000	\$	6,000
Triview Metro District			\$	1,000	\$	1,000
Woodmoor Water & Sanitation District	\$	10,000	\$	3,000	\$	13,000
WSRA Basin Funds	\$	26,000			\$	26,000
WSRA Statewide Funds	\$	100,000			\$	100,000
	\$	167,000	\$	15,000	\$	182,000

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.