

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
November 19-20, 2013
Agenda Item 22(d)

Applicant: City of Grand Junction & Colorado River Water Conservation District

Water Activity Name: Energy Development Water Needs Assessment Update

Water Activity Purpose: Study (Municipal & Industrial)

County: Rio Blanco

River Basin: Colorado & Yampa/White

Water Source: Colorado River and tributaries

Amount Requested: \$25,000 from Colorado River Basin Account, and \$25,000 from the Yampa/White River Basin Account

Matching Funds: n/a

Staff Recommendation
Staff recommends approval of up to \$250,000 from the Colorado River Basin Account, and \$25,00 from the Yampa/White River Basin Account to help complete the project titled: Energy Development Water Needs Assessment Update.

Water Activity Summary: In light of the need to develop a Basin Implementation Plan, and that anecdotal information suggests actual water needs for natural gas development may be significantly higher than those stated in previous studies, and that Shell announced a pull-out from oil shale research activities in the Piceance Basin, there is a need to re-examine previous water needs estimates and use the most recent up to date information in the Basin Implementation Plans. Phase I of this endeavor will consist of a critical assessment of the previous water estimates by each sector and a determination of which sectors should be re-assessed. Phase II will be completing the actual assessments. This application requests funding for both Phase I & Phase II.

Threshold and Evaluation Criteria

The application meets all four Threshold Criteria.

Discussion:

Previous studies funded by CWCB WSRA grants preceding this request include a Phase I and Phase II Energy Development Water Needs Assessment, completed in 2008, and 2009, respectively. The Phase I study developed water use estimates for various sectors including coal, natural gas, oil shale, water use for power generation related to oil shale development, and domestic requirements for water stemming from population growth brought about by energy development. The focus of Phase II was assessing how the demands identified in Phase I could be met, and a re-examination of oil shale water needs.

Issues/Additional Needs:

No issues have been identified.

Staff Recommendation:

Staff recommends approval of up to \$25,000 from the Colorado River Basin Account, and \$25,000 from the Yampa/White River Basin Account to help complete the project titled: Energy Development Water Needs Assessment Update.

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.