

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

Applicant & Fiscal Agent: Colorado Division of Water Resources

Water Activity Name: Data Logger/Telemetry Installation Project, South Platte River Basin

Water Activity Purpose: Structural Project

County: Throughout South Platte Basin

Drainage Basin: South Platte

Water Source: South Platte River

Amount Requested/Source of Funds: \$50,000 Metro Account
\$103,216 South Platte Basin Account
\$156,432 Statewide Account
\$309,648 Total grant request

Matching Funds: Basin Account Match (\$153,216) = 49.5% of total grant request;
Basin Account and Applicant Match (\$191,416) = 61.8% of total grant request;
Basin Account and Applicant Match = 49% of total project costs (\$347,848)
(refer to *Funding Summary/Matching Funds* section)

Staff Recommendation:
Staff recommends approval of up to \$50,000 from the Metro Basin Account, \$103,216 from the South Platte Basin Account, and \$156,432 from the Statewide Account to help fund the project titled: Data Logger/Telemetry Installation Project, South Platte River Basin.

Water Activity Summary:

WSRA funds will be expended for the installation of Sutron Stage Discharge Recorders (SDR) on 112 measuring structures and telemetry on 67 measurement structures within the South Platte Basin, specifically within Districts 1, 2, 3, 4, 7, 9, and 64. In total, 152 existing measurement structures will be improved by one or both of these installations. This project is a follow-up to other South Platte roundtable funded installation of data loggers and cellular telemetry. Equipment will be installed in coordination with local water users. Data will be available for viewing on the DWR website for a cellular service fee.

Discussion:

These installations will allow for continuous water flow information for water users and administrators, leading to more efficient use of staff resources. Ditch users and water commissioners will benefit from the real-time accounting, leading to more efficient and accurate administration. This project provides more input to ongoing State data collection efforts. The CWCB has previously approved a South Platte Basin Account grant request of \$88,958 in March 2013 for similar efforts in the South Platte River Basin which have been completed.

Issues/Additional Needs: None identified.

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 and staff has determined that this request satisfies the Evaluation Criteria. 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:

	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
WSRA Metro Account	\$50,000	n/a	\$50,000
WSRA South Platte Basin Account	\$103,216	n/a	\$103,216
WSRA Statewide Account	\$156,432	n/a	\$156,432
DWR & Northern Water	<u>\$0</u>	<u>\$38,200</u>	<u>\$38,200</u>
Total Project Costs	\$309,648	\$38,200	\$347,848

In-kind services from DWR and Northern Water staff for equipment installation are estimated to be \$27,000 on telemetry sites and \$11,200 on SDR installations. Water users who will benefit from this equipment are estimated to contribute up to \$40,000 on improvements to structures and vandal proofing the equipment.

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.