

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
March 18-19, 2014
Agenda Item 17(a)

Applicant: Metro Wastewater Reclamation District

Water Activity Name: South Platte River Diurnal Flow Study

Water Activity Purpose: Water Rights Operation and Administration

County: Denver and Adams

River Basin: South Platte

Water Source: South Platte and Robert W. Hite Treatment Facility

Amount Requested: \$50,000 Metro Account; & \$50,000 South Platte Basin Account (total request = \$100,000)

Matching Funds: \$27,185 (in-kind) by the Metro Wastewater Reclamation District (21% of total study costs)

Staff Recommendation:
Staff recommends approval of up to \$50,000 from the Metro Account and \$50,000 from the South Platte Basin Account (for a total of \$100,000) to fund the study titled: Metro Wastewater Reclamation District – South Platte River Diurnal Flow Study.

Water Activity Summary: WSRA Grant funds will be expended to conduct an examination of the diurnal flow pattern in the South Platte River downstream of the Metro Wastewater Reclamation District’s discharge point. These discharges can affect the extent to which both agricultural and municipal water rights holders can divert their decreed water rights, and current water rights administration practices may result in unintended impacts to some downstream water rights. The purposes of the South Platte River Diurnal Flow Study are to identify the water users likely affected by the diurnal flows and to what degree; identify the potential benefits of mitigating or “dampening” the diurnal flows; identify potential administrative or physical actions, including a flow equalization pond that could provide those benefits; and identify the potential costs of providing administrative and physical changes to address these issues.

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

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria.

Funding/Match Summary:

	<u>Cash</u>	<u>In-Kind</u>	<u>Total</u>
WSRA Metro Account	\$50,000	\$0	\$50,000
WSRA South Platte Basin Account	\$50,000	\$0	\$50,000
Metro Wastewater Reclamation District	<u>\$0</u>	<u>\$27,185</u>	<u>\$27,185</u>
Total Study Costs	\$100,000	\$27,185	\$127,185

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 Metro Account, and \$50,000 from the South Platte Basin Account (for a total of \$100,000) for study titled: Metro Wastewater Reclamation District – South Platte River Diurnal Flow 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.

