

STATE OF COLORADO

Colorado Water Conservation Board Department of Natural Resources

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TO: Colorado Water Conservation Board Members

John W. Hickenlooper
Governor

FROM: Rebecca Mitchell,
Water Supply Planning Section

Mike King
DNR Executive Director

DATE: November 8, 2013

James Eklund
CWCB Director

SUBJECT: **Agenda Item 22, November 19-20, 2013 Board Meeting
Water Supply Reserve Account Grant Program**

Staff Recommendation

A summary of staff's recommendation for each WSRA application is provided in the attached table. The table also includes a breakdown of match amounts for applications that include a request for statewide WSRA funds. For clarity, the table includes all WSRA requests to be considered at this meeting.

Previous WSRA Emergency Flood Recovery Assessment, Design and Recovery grant funds of \$1.7 million out of \$1.8 million were approved by Northern Water during their first two week funding cycle. 67 applications, affecting 83 water providers benefitted from the collaboration between CWCB and Northern Water. Due to the continuing need for flood recovery efforts, staff is recommending the approval of up to \$755,000 from the Statewide Account for additional distribution by Northern Water.

Favorable recommendations may be contingent on providing the CWCB with additional information, clarifications, or modifications in the scope of work. Please refer to the Water Activity Summary Sheets contained within this agenda item to find a summary of staff's review and any conditions associated with each recommendation.

Background

For this agenda item the Board is provided with a brief overview of applications to the Water Supply Reserve Account (WSRA). Attachments to this memo include:

- Summary spreadsheet detailing funding requests for the basin and statewide accounts;
- Summary spreadsheet displaying current WSRA Balance Summary of Fund Appropriations and Receipts by Fiscal Year, and Fund Distribution by Basin and Statewide Account.
- Water Activity Summary Sheets which provide an overview, discussion, issues/additional needs, and staff recommendation regarding funding, partial funding, or not funding the applications.

Staff's review of the applications involves the following steps:

- 1) Applications are reviewed for completeness based on the information requirements, which are primarily outlined in Part 2 of the Criteria and Guidelines (C&G).
- 2) Applications are reviewed to verify that the water activity meets the **eligibility requirements** in Section 39-29-108 (III) C.R.S. (C&G, Part 2) and the **threshold criteria**, which are based on the requirements of Section 39-29-108 (III) C.R.S., and two sections of the Water for the 21st Century Act (House Bill 1177); Section 37-75-102 and Section 37-75-104(2)(c) (C&G, Part 3). Staff also verify that the applicant was an **eligible entity** to receive funding (C&G, Part 2).
- 3) Staff then prepares the Water Activity Summary Sheet which documents the outcome of the review process and contains staff's recommendations.

Water Supply Reserve Account Balance Summary and Project Status Report

To provide the Board updates on the status of specific Water Supply Reserve Account grant applications and projects, staff provides a status report in the CWCB Director's Report. The WSRA status report includes the following information:

- List of completed WSRA projects;
- List of WSRA projects in progress; and
- List of WSRA projects in the contracting and procurement process.

Water Supply Reserve Account Applications for Consideration at the November 2013 Board Meeting

Agenda Item 22 - WSRA Applications for Statewide and Basin Funds

Agenda Item	Basin	Applicant	Name of Water Activity	Basin Account Request	Statewide Account Request	Total Request	Cash Match	In-Kind Match	Total Match	Staff Project Manager	Summary of Staff Recommendation	Notes
22a	Arkansas	Upper Arkansas Water Conservancy District	Helena Diversion Structure/BV Boat Chute Improvement Project - Phase 2	\$43,125	\$0	\$43,125	\$10,000	\$0	\$10,000	Chris Sturm	Full Funding	
22b	Arkansas	Pikes Peak Regional Water Authority	Basin Implementation Plan	\$94,746	\$32,709*	\$127,455*	\$0	\$0	\$0	Jacob Bornstein	Full Funding	Additional Fiscal Agent and Scope of Work to fulfill BIP Requirements (* indicates Statewide Funds previously approved for Arkansas River Basin Study to be re-allocated to this project w/ BRT approval)
22c	Colorado	Snowmass Water & Sanitation District	Customer Meter Replacement Program	\$100,000	\$0	\$100,000	\$0	\$0	\$0	Craig Godbout	Full Funding	
22d	Colorado & Yampa/White	Colorado River Water Conservation District & City of Grand Junction	Energy Development Water Needs Assessment Study	\$50,000	\$0	\$50,000	\$0	\$0	\$0	Craig Godbout	Full Funding	\$25,000 from Colorado Basin Account & \$25,000 from Yampa/White Basin Account
22e	Yampa/White	Colorado River Water Conservation District	Yampa/White Basin Implementation Plan	\$100,000	\$0	\$100,000	\$0	\$0	\$0	Jacob Bornstein	Full Funding	
22f	Yampa/White	Rio Blanco Water Conservancy District	White River Storage Feasibility Study (BIP)	\$67,500	\$67,500	\$135,000	\$67,500	\$0	\$67,500	Jacob Bornstein	Full Funding	Component of Yampa/White BIP
22g	State-wide	Northern Colorado Water Conservancy District	2013 Flood Recovery Grants	\$0	up to \$755,000	up to \$755,000	\$0	\$0	\$0	Craig Godbout		
Water Supply Reserve Account Total November Requests				\$455,371	up to \$822,500	up to \$1,277,871						

COLORADO WATER CONSERVATION BOARD
Water Supply Reserve Account - Balance Summary
November 1, 2013

Fund Appropriation and Receipts				
Fiscal Year	Legislative Appropriation	Funds Received	Statewide Account	Basin Account
2006/2007	\$10,000,000	\$10,000,000	\$5,500,000	\$4,500,000
2007/2008	\$6,000,000	\$6,000,000	\$4,200,000	\$1,800,000
2008/2009	\$10,000,000	\$7,000,000	\$4,300,000	\$2,700,000
2009/2010	\$5,775,000	\$5,775,000	\$4,215,750	\$1,559,250
2010/2011	\$6,000,000	\$6,000,000	\$4,380,000	\$1,620,000
2011/2012	\$7,000,000	\$7,000,000	\$4,732,000	\$2,268,000
2012/2013	\$10,000,000	\$7,157,724	\$4,580,943	\$2,576,781
2013/2014	\$10,000,000	\$4,000,000	\$2,560,000	\$1,440,000
Interest	N/A	\$2,567,118	\$1,642,956	\$924,162
TOTAL	\$44,775,000	\$55,499,842	\$36,111,649	\$19,388,193

Note: The WSRA is a Severance Tax "Tier II" program with 40% of funds distributed on July 1, 30% on January 1, and the final 30% on April 1.

In FY 2008/2009 the final 30% installment of \$3,000,000 was not received due to the State's budgetary shortfall.

In January 2012 interest for the program from its inception to date was credited directly to the Statewide Account.

Interest from January 2012 on is regularly calculated by the Treasury and credited to the Statewide Account.

Fund Distribution					
Basin	Approved Basin Grants	Total Basin Funds	Basin Account Balance	Approved State Grants	Statewide Account Balance
Arkansas	\$1,788,873	\$2,154,244	\$365,371	\$5,976,865	
Colorado	\$1,737,137	\$2,154,244	\$417,107	\$3,976,760	
Southwest	\$1,565,626	\$2,154,244	\$588,618	\$5,110,359	
Gunnison	\$1,718,652	\$2,154,244	\$435,592	\$2,798,191	
Metro	\$1,903,729	\$2,154,244	\$250,515	\$3,292,968	
North Platte	\$1,299,017	\$2,154,244	\$855,227	\$311,027	
Rio Grande	\$2,079,237	\$2,154,244	\$75,007	\$9,061,023	
South Platte	\$1,845,370	\$2,154,244	\$308,874	\$4,294,480	
Yampa/White	\$1,238,874	\$2,154,244	\$915,369	\$466,813	
TOTAL	\$15,176,515	\$19,388,193	\$4,211,678	\$35,288,486	\$823,163
TOTAL APPROVED GRANTS					\$50,465,001

Note: Only includes grants approved by CWCB

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

Applicant: Upper Arkansas Water Conservancy District

Water Activity Name: Helena Diversion Structure/BV Boat Chute Improvement Project – Phase 2

Water Activity Purpose: Agricultural

County: Chaffee

Drainage Basin: Arkansas

Water Source: Arkansas River

Amount Requested: \$43,125

Source of Funds: \$43,125 Arkansas Basin Account

Matching Funds: \$10,000 (19%) cash Helena Water Rights holders
Total Project Costs = \$51,125

Staff Recommendation
Staff recommends approval of up to \$43,125 from the Arkansas Basin Account to assist in the funding of the Helena Diversion Structure/BV Boat Chute Implementation Project – Phase 2.

Water Activity Summary: The Helena Diversion Structure at Buena Vista is owned and operated by the Colorado Department of Corrections, Mr. and Mrs. Cogan, Moltz and Diamond. WSRA funds will be expended on the replacement and improvement of a ditch channel and bypass structure of the Helena Ditch Structure. More specifically the tasks to be performed include: removal of existing structures; construction and installation of concrete channel and bypass structure; installation of control gate; installation of rock armoring erosion protection; and engineering inspection and final review.

Studies conducted during Phase I of this project revealed the need for additional improvements to the Helena Ditch Structure. Phase I focused on improvements within the stream on the diversion structure and replacement of the head gate. The study showed that there were additional needs to update and replace the concrete structure behind the headgate and to improve the bypass structure. Phase 2 of this project is focused on the replacement and improvement of the ditch channel and bypass of the Helena Ditch Structure.

Phase 2 will enhance the overall engineering soundness of the structures and optimize delivery efficiency of water. The improvements of all these structures will create an integrated system that increases boater safety, improves fisheries and enhances the availability, efficiency and sustainability of water for irrigation. Staff supports multi-objective diversion reconstruction projects of which this phase is a component.

Discussion:

The CWCB has supported the evolution of this project through the approval of two previous WSRA Grant requests. In 2008 a WSRA Grant in the amount of \$57,955 was used to conduct a preliminary engineering study in the upper Arkansas River Valley on four existing diversions structures. The study developed preliminary designs and cost estimates to support future design/build activities. The Helena Diversion was included in this study. CWCB then approved an additional \$325,000 in 2011 to accomplish the next phase of the project consisting of more detailed engineering and construction of the new diversion dam and headgate at the Helena Ditch Structure.

Issues/Additional Needs:

No issues or additional needs have been identified.

Funding Overview/Matching Funds

	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
WSRA Arkansas Basin Account	\$43,125	n/a	\$41,125
Helena Water Rights holders	<u>\$10,000</u>	<u>\$0</u>	<u>\$10,000</u>
Total Project Costs	\$53,125	\$0	\$53,125

Staff Recommendation:

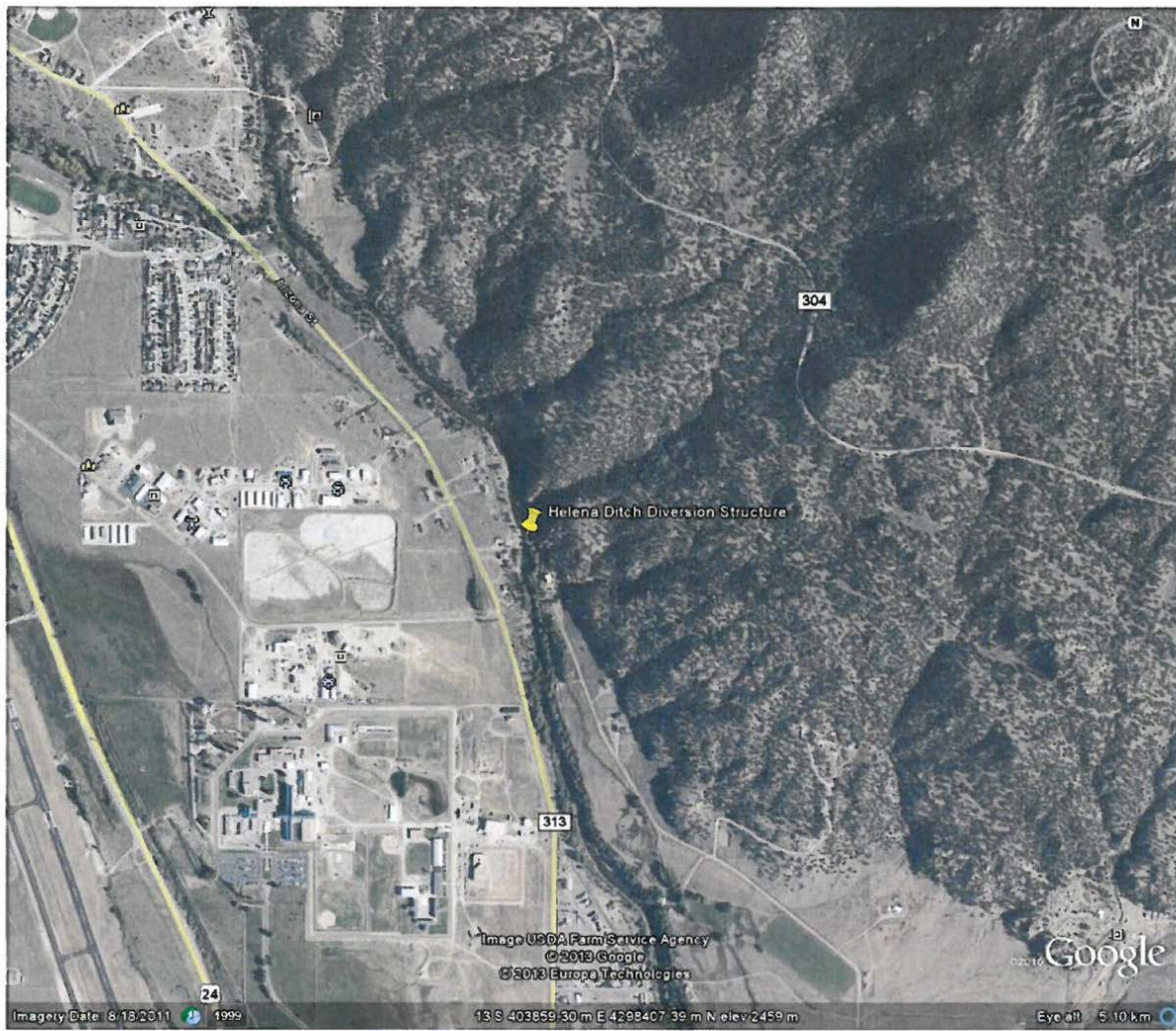
Staff recommends approval of up to \$43,125 from the Arkansas Basin Account to assist in the funding of the Helena Diversion Structure/BV Boat Chute Implementation Project – Phase 2.

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.

Project Map:



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

Applicant: Pikes Peak Regional Water Authority

Water Activity Name: Arkansas Basin Implementation Plan

Water Activity Purpose: All inclusive

River Basin: Arkansas

Water Source: Arkansas River and tributaries

Amount Requested: \$32,709 Statewide Account & \$94,746 Arkansas Basin Account

Matching Funds: \$94,746 Arkansas Basin Account

Staff Recommendation:
Staff recommends approval of up to \$32,709 from the Statewide Account and \$94,746 from the Arkansas Basin Account to help complete the project titled: Arkansas Basin Implementation Plan

Water Activity Summary: WSRA funds will be expended to draft components of the Arkansas Basin Implementation Plan that conforms to the Basin Implementation Plan Guidance Document. These components include portions of: Sections 1-6; Project Management, Presentations and Revisions; and Presentation to Third Parties to be performed by WestWater Research, while Pikes Peak Regional Water Authority will act as the applicant and fiscal agent.

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria.

Statewide Evaluation Criteria:

The application meets all three Tiered Evaluation Criteria.

Discussion:

No additional discussion is needed.

Issues/Additional Needs:

No additional issues or needs were identified.

Staff Recommendation:

Staff recommends approval of up to \$32,709 from the Statewide Account and \$94,746 from the Arkansas Basin Account for project titled: Arkansas Basin Implementation Plan.

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.

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

Applicant: Snowmass Water and Sanitation District

Water Activity Name: Customer Meter Replacement Program

Water Activity Purpose: Nonconsumptive & Municipal/Industrial

County: Pitkin

River Basin: Colorado

Water Source: East Snowmass Creek Spring, East Snowmass Creek, West Fork of Brush Creek,
and Snowmass Creek

Amount Requested: \$100,000 Colorado Basin Account

Matching Funds: \$266,217 cash match - Snowmass Water and Sanitation District

Staff Recommendation:
Staff recommends approval of up to \$100,000 over a two (2) year period from the Colorado Basin Account to fund the project titled: Snowmass Water and Sanitation District – Customer Meter Replacement Program.

Water Activity Summary: WSRA Grant funds will be expended by the applicant to undertake a systematic customer meter repair and replacement program by Snowmass Water and Sanitation District (SWCD). Approximately 588 residential and 140 commercial meters are targeted for repair or replacement over a 21-month period. As the system currently operates there are three specific shortcomings with the existing water meters, consisting of: older meters that have not been well maintained resulting in inaccurate customer usage accounting and inaccurate use and price-signals to customers; many of the meters targeted for replacement have manual-read technology requiring significant staff time to collect customer usage information resulting in quarterly meter-reading which will be increased to monthly reading; and replacement of commercial customer meters are selected based on “full-capacity” demands which do not accurately account for water during low-demand seasons.

Furthermore, the meter replacement program is a critical first step that SWSD is undertaking before implementing the CWCB-identified “Foundational Measures” identified in the 2012 Water Efficiency Planning guidance documents. Meter repair or replacement must be accomplished prior to establishing a baseline for monthly monitoring of its water efficiency activities, and to update its Water-Efficiency oriented rate structure to send accurate price-signals to customers that use water inefficiently.

Additionally, immediately downstream of SWSD’s Snowmass Creek pump station, CWCB holds a minimum Instream Flow Right of 7 cfs occurring during the winter. While CWCB’s right is junior to SWSD’s, the SWSD Board has adopted a “Stewardship Goal” to maintain Snowmass Instream Flows. As SWSD is the only winter diverted, this project represents a critical first step to improving water efficiency and will improve the chances of meeting the 7 cfs stewardship goal and minimum Instream Flow on Snowmass Creek.

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 Colorado Basin Account	\$100,000	\$0	\$100,000
Snowmass Water & Sanitation District	\$266,217	\$0	\$266,217
Total Project Costs	\$366,217	\$0	\$366,217

Discussion:

The applicant requested \$184,357 from the Colorado Basin Roundtable, however the Colorado Basin Roundtable on September 23, 2013 approved \$100,000 over a two year period. Staff contacted the applicant to determine how the \$84,357 shortfall would be met. The applicant responded that the Snowmass Water and Sanitation District would contribute an additional \$84,357, raising their total contribution to \$266,217. WSRA funds to be distributed over a two (2) year period, consisting of \$50,000 during the first year and \$50,000 during the second year, as approved by the Colorado Basin Roundtable.

Issues/Additional Needs:

No additional issues or needs were identified.

Staff Recommendation:

Staff recommends approval of up to \$100,000 over a two (2) year period from the Colorado Basin Account for project titled: Snowmass Water and Sanitation District – Customer Meter Replacement Program.

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.

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.

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

Applicant: Colorado River Water Conservation District

Water Activity Name: Yampa/White Basin Implementation Plan

Water Activity Purpose: All inclusive

River Basin: Yampa/White/Green

Water Source: Yampa/White/Green Rivers and tributaries

Amount Requested: \$100,000 Yampa/White Basin Account

Matching Funds: none

Staff Recommendation:
Staff recommends approval of up to \$100,000 from the Yampa/White Basin Account to help complete the project titled: Yampa/White Basin Implementation Plan

Water Activity Summary: WSRA funds will be expended to draft a Yampa/White Basin Implementation Plan that conforms to the Basin Implementation Plan Guidance Document to include Sections 1-6 to be authored by the Colorado River Water Conservation District which will also act as the applicant and fiscal agent on behalf of the Yampa/White/Green River Basin Roundtable.

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria.

Statewide Evaluation Criteria:

The application meets all three Tiered Evaluation Criteria.

Discussion:

No additional discussion is needed.

Issues/Additional Needs:

No additional issues or needs were identified.

Staff Recommendation:

Staff recommends approval of up to \$100,000 from the Yampa/White Basin Account for project titled: Yampa/White Basin Implementation Plan.

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.

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

Applicant: Rio Blanco Water Conservancy District

Water Activity Name: White River Storage Feasibility Study

Water Activity Purpose: Study (Consumptive & Nonconsumptive)

River Basin: Yampa/White/Green

Water Source: White River

Amount Requested: \$67,500 from the Statewide Account, and \$67,500 from the Yampa/White River Basin Account

Matching Funds: \$15,000 (10%) cash match from the Rio Blanco Water Conservancy District and \$67,500 (45%) from the Yampa/White River Basin Account
(Total match 55%)

Staff Recommendation:
Staff recommends approval of up to \$67,500 from the Statewide Account and \$67,500 from Yampa/White River Basin Account to help complete the project titled: White River Storage Feasibility Study.

Water Activity Summary: WSRA funds will be expended to assist in conducting a water storage feasibility study for the White River to identify potential moderate-sized, off-channel reservoirs along the White River to replace recreation being lost at Kenney Reservoir as well as provide additional water storage for municipal, industrial, agricultural uses, as well as nonconsumptive uses. The storage facility would be designed to meet local uses as stated above, including environmental concerns, minimum Instream flows, Colorado River Compact Drought Storage, and future industrial shortages in the White River Basin.

This first phase of the White River Storage Feasibility Study would initiate the planning and design of a multi-purpose facility that will benefit uses in the Yampa and White River Basins as well as the Colorado River Basin. This study can be considered an integral component of the Yampa/White Basin Implementation Plan needed to meet the roundtables' consumptive and nonconsumptive needs. Project components and activities will be as follows:

- Update 2050 SWSI projected water demands completed in 2010 for M&I, and self-supported industrial needs for Rio Blanco County and the Yampa and White River Basin Roundtable.
- Develop project specific purpose and needs to include needs for the Rio Blanco County as well as the Yampa and White Basins.
- An alternatives map study of potential dam sites located in the Rio Blanco County area to achieve the required purpose and needs of the County and BRT.
- Complete course screening on the initial alternatives based on the purpose and needs outlined at the beginning of the project. This task would be to reduce the alternatives prior to completing preliminary engineering analysis for each site (to be completed in Phase II).
- Conduct two workshops on the initial alternatives and the course screening processes as part of the stakeholder and public outreach involvement.

- Provide for a representative of the project or District to attend each BRT meeting to provide continuous communication on the project status and completion to date.

Funding Overview/Match Funding:

	<u>Cash</u>	<u>In-Kind</u>	<u>Total</u>
WSRA Statewide Account	\$67,500	\$0	\$67,500
WSRA Yampa/White Basin Account	\$67,500	\$0	\$67,500
Rio Blanco Water Conservancy District	\$15,000	\$0	\$15,000
Total Project Costs	\$150,000	\$0	\$150,000

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria.

Statewide Evaluation Criteria:

The application meets all three Tiered Evaluation Criteria.

Discussion:

No additional discussion is needed.

Issues/Additional Needs:

No additional issues or needs were identified.

Staff Recommendation:

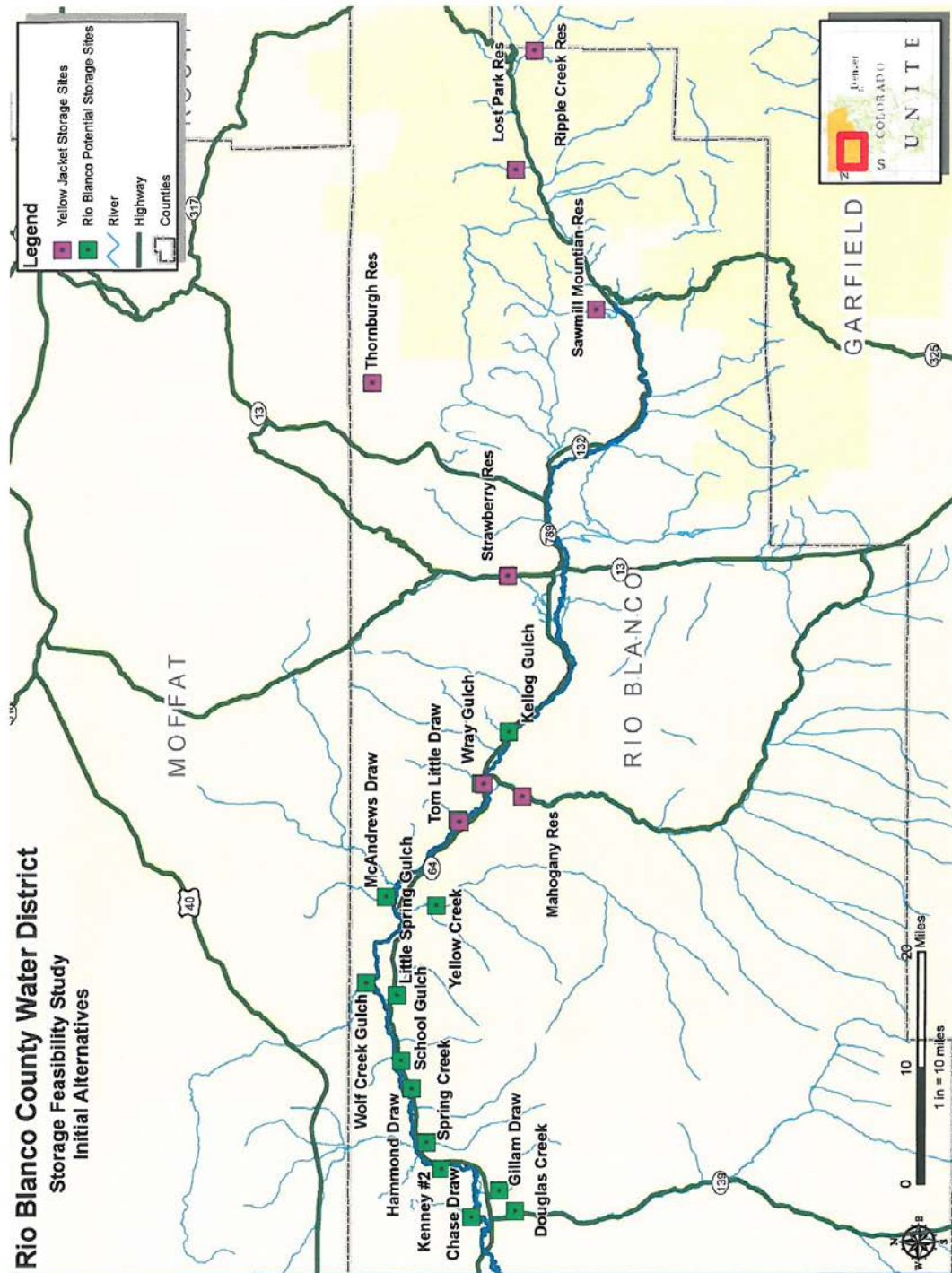
Staff recommends approval of up to \$67,500 from the Statewide Account, and \$67,500 from the Yampa/White Basin Account for project titled: White River Storage Feasibility Study.

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.

Project Map:



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

Applicant: Northern Colorado Water Conservancy District

Water Activity Name: 2013 Emergency Flood Recovery Assessment, Design and Recovery –
Cycle #2

Water Activity Purpose: Consumptive and Nonconsumptive

County: All inclusive

River Basin: South Platte

Water Source: South Platte and tributaries

Amount Requested: up to \$755,000 from the Statewide Account

Matching Funds: n/a

Staff Recommendation:
Staff recommends approval of up to \$755,000 from the Statewide Account to help complete the project titled: 2013 Emergency Flood Recovery Assessment, Design and Recovery – Cycle #2

Water Activity Summary: Previous WSRA Emergency Flood Recovery Assessment, Design and Recovery grant funds of \$1.7 million out of \$1.8 million were approved by Northern Water during their first two week funding cycle. 67 applications, affecting 83 water providers benefitted from the collaboration between CWCB and Northern Water. Due to the continuing need for flood recovery efforts, staff is recommending the approval of up to \$755,000 from the Statewide Account for additional distribution by Northern Water.

Threshold and Evaluation Criteria

The application meets all four Threshold Criteria.

Statewide Evaluation Criteria:

The application meets all three Tiered Evaluation Criteria.

Discussion:

No additional discussion is needed.

Issues/Additional Needs:

No additional issues or needs were identified.

Staff Recommendation:

Staff recommends approval of up to \$755,000 from the Statewide Account for project titled: 2013 Emergency Flood Recovery Assessment, Design and Recovery – Cycle #2.

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.