

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
March 16 - 17, 2016
Agenda Item 14(r)

Applicant & Fiscal Agent: South Metro WISE Authority

Water Activity Name: WISE Partnership: Conjunctive Use Infrastructure

Water Activity Purpose: Municipal/Industrial

County: Douglas & Arapahoe

Drainage Basin: Metro

Water Source: Denver Basin Aquifer (Willows Wells)

Amount Requested/Source of Funds: \$10,000 Rio Grande Account
\$105,000 Multiple Basin Accounts (approved Sept 2015)
 \$115,000 Total Basin Account Requests
\$800,000 Statewide Account (approved Sept 2015)
 \$915,000 Total Grant Request

Matching Funds: Basin Accounts Match: \$115,000 = 12.6% of total grant request (meets 5% min);
 Basin Accounts & Applicant Match: \$5,603,022 = 612% of total grant request (meets 25% min);
 Applicant Match: \$5,488,022 = 85.7% of total grant request
 (refer to *Funding Summary/Matching Funds* section)

Staff Recommendation:

Staff recommends approval of up to \$10,000 from the Rio Grande Basin Account.

This approval will supplement the following previously approved grant funding:

- Metro Account: \$40,000
- North Platte Basin Account: \$10,000
- South Platte Basin Account: \$15,000
- Colorado Basin Account: \$10,000
- Arkansas Basin Account: \$10,000
- Gunnison Basin Account: \$10,000
- Yampa/White/Green Basin Account: \$10,000

and \$800,000 from the Statewide Account to help fund the implementation of the water project titled:
 WISE Partnership: Conjunctive Use Infrastructure

Water Activity Summary: The Water Infrastructure and Supply Efficiency (WISE) Partnership is a regional water supply project between Aurora Water, Denver Water and the South Metro WISE Authority (WISE Authority) to combine available water supplies and system capacities to create a sustainable new water supply. Through WISE, Aurora Water and Denver Water will provide up to 10,000 AF annually (on average) of fully treated water to the WISE Authority for distribution to its

members on a permanent basis. Aurora's Prairie Waters system will provide the infrastructure for delivering water from the South Platte River when Aurora and Denver Water have available water supplies and Aurora's Prairie Waters system has available capacity. WISE will also enable Denver Water to access its supplies as a new emergency and backup supply. Denver Water and Aurora Water will supply water to the WISE Authority at a master meter to be located near Aurora's Binney Water Purification Facility (BWPF). The WISE Authority will develop infrastructure within their area for further distribution to their members.

To distribute WISE water to its members, the WISE Authority is developing the Western Pipeline system (see attachment #1 WISE Project Conveyance Alignments). The backbone of this system is the Western Pipeline recently purchased by the WISE Authority and Denver Water from ECCV. However, ECCV retained 8 MGD of capacity in the pipeline to move Denver Basin Aquifer water from the Willows Wells to their service area. In order maximize the use of this existing piece of infrastructure and conjunctively use nonrenewable groundwater and renewable WISE water, treatment and additional pipeline infrastructure needs to be constructed. A treatment facility providing chloramine disinfection and iron and manganese removal for the groundwater is needed in order to comingling this water with WISE water in the Western Pipeline.

The WISE Authority is seeking a WSRA grant to help with the construction of the infrastructure needed to allow conjunctive use of the Willows Wells and WISE water within the Western Pipeline system. This infrastructure includes a treatment plant and piping needed to by-pass an existing pump station. This infrastructure is estimated to cost \$6.4 million. The WSRA grant is for 14.3% of the construction cost.

Construction of this infrastructure will allow full implementation of the WISE Partnership, maximize the use of the existing Western Pipeline, and allow the conjunctive use of Denver Basin Aquifer water with renewable surface water. Ultimately this will allow South Metro entities to change the way they use the Denver Basin Aquifer going from an unsustainable base supply, to a sustainable and conjunctively used drought supply.

Objectives:

- Allow conjunctive use of Willows Wells supplies in the Western Pipeline system
- Construct necessary treatment plant and piping for connection to the Western Pipeline system
- Help to reduce the M&I Gap
- Support implementation of identified projects and processes (IPPs).

Discussion: The proposed effort complies with the stated Goals and Measurable Outcomes as indicated in the South Platte/Metro Basin Implementation Plan (Section 1.9.2, MO#3, page 1-26), assists the South Platte Basin and Metro Roundtables meet their M&I gap and is identified as a Reuse IPP (Section 4.3.2.1, Table 4-10, page 4-25).

A previous WSRA Grant totaling \$1,570,000 was awarded to the South Metro WISE Authority for the *Western Pipeline Connection Engineering/Design* project; in addition, a total of 16 loans were approved by the Board, four each for four individual WISE Authority members in May of 2014.

Issues/Additional Needs: No issues or additional needs have been identified.

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria.

Tier 1-3 Evaluation Criteria:

This project has undergone review and evaluation. Staff has determined that it satisfies the Evaluation Criteria. Please refer to the WSRA Application for the applicant's detailed response.

Funding Summary/Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
WISE Authority	\$5,488,022	\$0	\$5,488,022
Metro Basin Account	\$40,000	n/a	\$40,000
North Platte Basin Account	\$10,000	n/a	\$10,000
South Platte Basin Account	\$15,000	n/a	\$15,000
Colorado Basin Account	\$10,000	n/a	\$10,000
Arkansas Basin Account	\$10,000	n/a	\$10,000
Gunnison Basin Account	\$10,000	n/a	\$10,000
Yampa/White Basin Account	\$10,000	n/a	\$10,000
Rio Grande Basin Account ⁽¹⁾	\$10,000	n/a	\$10,000
WSRA Statewide Account	\$800,000	n/a	\$800,000
Total	\$6,403,022		\$6,403,022

Notes:

(1) Only the Rio Grande Basin Account contribution is under consideration with this agenda item; all other basin account contributions were approved previously.

CWCB Project Manager: Derek Johnson

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 must 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.

February 16, 2016

Craig Godbout - WSRA Application
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203
Craig.godbout@state.co.us

Dear Mr. Godbout:

The South Rio Grande Roundtable voted at its February 9, 2016 meeting to approve a grant application from the South Metro WISE Authority to help implement WISE conjunctive use infrastructure. The Roundtable approved \$10,000 from the Rio Grande Basin WSRA.

The Roundtable underwent an evaluation and approval process, believes the application fully meets the Criteria for the WSRA Grant Program, and is supportive of the WISE Partnership as one of the important IPPs in the South Platte/Metro Basin Implementation Plan. In addition, the roundtable expressed support for WISE as a water supply project that helps meet the M&I water supply gap in the Metro area and reuses existing supplies in the basin. During the evaluation and approval process a quorum was present and there were three dissenting votes. Concerns expressed included the use of Rio Grande basin fund to support a project in another basin and in the Metro area that does not share the more rural characteristics of the Rio Grande Basin. Concerns were also expressed that the WISE infrastructure could facilitate future movement of water from other basins (however it was also noted that the success of WISE reduces this need). Finally, concerns were expressed about the use of water in urban/suburban communities.

With the concerns expressed, The Rio Grande Roundtable does support projects that demonstrate real water solutions to Colorado's needs and believes that the WISE Partnership is one of these projects.

This letter is intended to fulfill Threshold Criteria B (Part III 1.b. in the WSRA Application). Please let me know if you need any additional information.

Sincerely,



Nathan Coombs, Chair
Rio Grande Basin Roundtable



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Today's Date: July 30, 2015

WISE Partnership: Conjunctive Use Infrastructure

Name of Water Activity/Project

South Metro WISE Authority

Name of Applicant

Metro Roundtable
(see breakdown of
multiple basin
approvals in III.1.b)

Amount from Statewide Account:

\$800,000

Amount from Basin Account(s):

\$105,000
(total)

Total WSRA Funds Requested:

\$905,000

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

FEIN: 46-3061238

Application Content

Application Instructions	page 2
Part I – Description of the Applicant	page 3
Part II – Description of the Water Activity	page 5
Part III – Threshold and Evaluation Criteria	page 7
Part IV – Required Supporting Material	
Water Rights, Availability, and Sustainability	page 10
Related Studies	page 10
Signature Page	page 12

Required Exhibits

- A. Statement of Work, Budget, and Schedule
- B. Project Map
- C. As Needed (i.e. letters of support, photos, maps, etc.)

Appendices – Reference Material

- 1. Program Information
- 2. Insurance Requirements
- 3. WSRA Standard Contract Information (Required for Projects Over \$100,000)
- 4. W-9 Form (Required for All Projects Prior to Contracting)

Water Supply Reserve Account – Application Form

Revised October 2013

Instructions

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable **AND** the Colorado Water Conservation Board (CWCBC). The process for Basin Roundtable consideration and approval is outlined in materials in Appendix 1.

Once approved by the local Basin Roundtable, the applicant should submit this application **with a detailed statement of work including budget and schedule as Exhibit A** to CWCBC staff by the application deadline.

WSRA applications are due with the roundtable letter of support 60 calendar days prior to the bi-monthly Board meeting at which it will be considered. Board meetings are held in January, March, May, July, September, and November. Meeting details, including scheduled dates, agendas, etc. are posted on the CWCBC website at: <http://cwcb.state.co.us> Applications to the WSRA Basin Account are considered at every board meeting, while applications to the WSRA Statewide Account are only considered at the March and September board meetings.

When completing this application, the applicant should refer to the WSRA Criteria and Guidelines available at: <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Documents/WSRACriteriaGuidelines.pdf>. In addition, the applicant should also refer to the [Supplemental Scoring Matrix](#) applied to Evaluation Criteria Tiers 1-3 for Statewide Account requests .

The application, statement of work, budget, and schedule **must be submitted in electronic format** (Microsoft Word or text-enabled PDF are preferred) and can be emailed or mailed on a disk to:

Craig Godbout - WSRA Application
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203
Craig.godbout@state.co.us

If you have questions or need additional assistance, please contact Craig Godbout at: 303-866-3441 x3210 or craig.godbout@state.co.us.

Water Supply Reserve Account – Application Form

Revised October 2013

Part I. - Description of the Applicant (Project Sponsor or Owner);

1.	Applicant Name(s):	South Metro WISE Authority		
	Mailing address:	8400 Prentice Ave. Suite 1500 Greenwood Village, CO 80111		
	FEIN #:	46-3061238		
	Primary Contact:	Eric Hecox	Position/Title:	Executive Director
	Email:	erichecox@southmetrowater.org		
	Phone Numbers:	Cell: 303-968-6073	Office:	303-409-7747
	Alternate Contact:	Rick Marsicek	Position/Title:	Director of Engineering
	Email:	rickmarsicek@southmetrowater.org		
	Phone Numbers:	Cell: 720-427-2444	Office:	303-409-7747

2. Eligible entities for WSRA funds include the following. What type of entity is the Applicant?

- ☐ Public (Government) – municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities and the local entity should be the grant recipient. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
- ☒ Public (Districts) – authorities, Title 32/special districts, (conservancy, conservation, and irrigation districts), and water activity enterprises.
- ☐ Private Incorporated – mutual ditch companies, homeowners associations, corporations.
- ☐ Private individuals, partnerships, and sole proprietors are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
- ☐ Non-governmental organizations – broadly defined as any organization that is not part of the government.

Water Supply Reserve Account – Application Form

Revised October 2013

3. Provide a brief description of your organization

South Metro WISE Authority (WISE Authority) is an organization of 10 water providers with the purpose of implementing the Water Infrastructure and Supply Efficiency (WISE) Project. WISE Authority members include: Centennial Water & Sanitation District, Cottonwood Water and Sanitation District, Dominion Water & Sanitation District, Inverness Water & Sanitation District, Meridian Metropolitan District, Parker Water & Wastewater District, Rangeview Metropolitan District, Stonegate Village Metropolitan District, and Town of Castle Rock. The WISE Authority is a sister organization of the South Metro Water Supply Authority (SMWSA) which staffs and manages the WISE Authority.

SMWSA includes 14 members (10 of which are participating in WISE) and combined they represent about 80% of Douglas County and 10% of Arapahoe County. Collectively, SMWSA Members currently serve about 300,000 people and population projections for the same area are 550,000 in 2050.

4. If the Contracting Entity is different than the Applicant (Project Sponsor or Owner) please describe the Contracting Entity here.

N/A

5. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of the project funded by the WSRA grant. In order to expedite the contracting process the CWCB has established a standard contract with provisions the applicant must adhere to. A link to this standard contract is included in Appendix 3. Please review this contract and check the appropriate box.

☒ The Applicant will be able to contract with the CWCB using the Standard Contract

☐ The Applicant has reviewed the standard contract and has some questions/issues/concerns. Please be aware that any deviation from the standard contract could result in a significant delay between grant approval and the funds being available.

6. The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant.

The WISE Authority does not anticipate any TABOR issues.

Water Supply Reserve Account – Application Form

Revised October 2013

Part II. - Description of the Water Activity/Project

1. What is the primary purpose of this grant application? (Please check only one)

☐ Nonconsumptive (Environmental or Recreational)

☐ Agricultural

☒ Municipal/Industrial

☐ Needs Assessment

☐ Education

☐ Other

Explain:

2. If you feel this project addresses multiple purposes please explain.

3. Is this project primarily a study or implementation of a water activity/project? (Please check only one)

☐ Study

☒ Implementation

4. To catalog measurable results achieved with WSRA funds can you provide any of the following numbers?

New Storage Created (acre-feet)

10,000 New Annual Water Supplies Developed, Consumptive or Nonconsumptive (acre-feet)

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

114,000 Length of Pipe/Canal Built or Improved (linear feet)

Efficiency Savings (acre-feet/year OR dollars/year – **circle one**)

Area of Restored or Preserved Habitat (acres)

4MGD Other -- Explain: 4MGD of Conjunctive Use Capacity

Water Supply Reserve Account – Application Form

Revised October 2013

4. To help us map WSRA projects please include a map (Exhibit B) and provide the general coordinates below:

Latitude: 39°33'42.59"N

Longitude: 104°54'28.32"W

5. Please provide an overview/summary of the proposed water activity (no more than one page). Include a description of the overall water activity and specifically what the WSRA funding will be used for. A full **Statement of Work** with a detailed budget and schedule is required as **Exhibit A** of this application.

The Water Infrastructure and Supply Efficiency (WISE) Partnership is a regional water supply project between Aurora Water, Denver Water and the South Metro WISE Authority (WISE Authority) to combine available water supplies and system capacities to create a sustainable new water supply. Through WISE, Aurora Water and Denver Water will provide up to 10,000 AFY (on average) of fully treated water to the WISE Authority for distribution to its members on a permanent basis. Aurora's Prairie Waters system will provide the infrastructure for delivering water from the South Platte when Aurora and Denver Water have available water supplies and Aurora's Prairie Waters system has available capacity. WISE will also enable Denver Water to access its supplies as a new emergency and backup supply. Denver Water and Aurora Water will supply water to the WISE Authority at a master meter located near Aurora's Binney Water Purification Facility (BWPF). The WISE Authority will develop infrastructure within their area for distribution to their members.

To distribute WISE water to its members, the WISE Authority is developing the Western Pipeline system (see attachment #1 WISE Project Conveyance Alignments). The backbone of this system is the Western Pipeline recently purchased by the WISE Authority and Denver Water from ECCV. However, ECCV retained 8 MGD of capacity in the pipeline to move Denver Basin Aquifer water from the Willows Wells to their service area. In order maximize the use of this existing piece of infrastructure and conjunctively use nonrenewable groundwater and renewable WISE water, treatment and additional pipeline infrastructure needs to be constructed. A treatment facility providing chloramine disinfection and iron and manganese removal for the groundwater is needed in order to comingle this water with WISE water in the Western Pipeline.

The WISE Authority is seeking a WSRA grant to help with the construction of the infrastructure needed to allow conjunctive use of the Willows Wells and WISE water within the Western Pipeline system. This infrastructure includes a treatment plant and piping needed to by-pass an existing pumpstation. This infrastructure is estimated to cost \$6.4 million. The WSRA grant is for 14% of the construction cost.

Construction of this infrastructure will allow full implementation of the WISE Partnership, maximize the use of the existing Western Pipeline, and allow the conjunctive use of Denver Basin Aquifer water with renewable surface water. Ultimately this will allow South Metro entities to change the way they use the Denver Basin Aquifer going from an unsustainable base supply, to a sustainable and conjunctively used drought supply.

Water Supply Reserve Account – Application Form

Revised October 2013

Part III. – Threshold and Evaluation Criteria

1. Describe how the water activity meets these **Threshold Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)
 - a) The water activity is consistent with Section 37-75-102 Colorado Revised Statutes.¹

The WISE Partnership is consistent with the existing water rights adjudication system and full meets this threshold criteria.

- b) The water activity underwent an evaluation and approval process and was approved by the Basin Roundtable (BRT) and the application includes a description of the results of the BRT's evaluation and approval of the activity. At a minimum, the description must include the level of agreement reached by the roundtable, including any minority opinion(s) if there was not general agreement for the activity. The description must also include reasons why general agreement was not reached (if it was not), including who opposed the activity and why they opposed it. Note- If this information is included in the letter from the roundtable chair simply reference that letter.

This WSRA grant application was approved by the Metro Roundtable on June 10, 2015. This approval included \$40,000 from the Metro Funds and \$800,000 from the Statewide Funds, and the Metro Roundtable Chair's letter is Attachment #2.

In addition, the following Roundtable's approved contributions from their Basin Funds, and their approval letters are Attachment #3 or will be provided separately as indicated:

- North Platte BRT - \$10,000
- South Platte BRT - \$15,000
- Colorado BRT - \$10,000
- Arkansas BRT - \$10,000 (conditional approval and letter will be provided separately)
- Gunnison BRT - \$10,000 (approval pending and if approved letter will be provided separately)
- Yampa/White BRT - \$10,000 (approval pending and if approved letter will be provided separately)

¹ 37-75-102. Water rights - protections. (1) It is the policy of the General Assembly that the current system of allocating water within Colorado shall not be superseded, abrogated, or otherwise impaired by this article. Nothing in this article shall be interpreted to repeal or in any manner amend the existing water rights adjudication system. The General Assembly affirms the state constitution's recognition of water rights as a private usufructuary property right, and this article is not intended to restrict the ability of the holder of a water right to use or to dispose of that water right in any manner permitted under Colorado law. (2) The General Assembly affirms the protections for contractual and property rights recognized by the contract and takings protections under the state constitution and related statutes. This article shall not be implemented in any way that would diminish, impair, or cause injury to any property or contractual right created by intergovernmental agreements, contracts, stipulations among parties to water cases, terms and conditions in water decrees, or any other similar document related to the allocation or use of water. This article shall not be construed to supersede, abrogate, or cause injury to vested water rights or decreed conditional water rights. The General Assembly affirms that this article does not impair, limit, or otherwise affect the rights of persons or entities to enter into agreements, contracts, or memoranda of understanding with other persons or entities relating to the appropriation, movement, or use of water under other provisions of law.

Water Supply Reserve Account – Application Form

Revised October 2013

- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.² The Basin Roundtable Chairs shall include in their approval letters for particular WSRA grant applications a description of how the water activity will assist in meeting the water supply needs identified in the basin roundtable's consumptive and/or non-consumptive needs assessments.

Throughout the SWSI, BRT, and State Water Planning processes, the CWCBC has consistently emphasized two objectives: 1) supporting projects/solutions that reduce the M&I Gap; and 2) supporting the implementation of local water providers' identified projects and processes (IPPs). The WISE Partnership and this grant application help accomplish both of these objectives.

The Metro/South Platte BIP identified the South Metro area as a significant gap area due to the combination of growing M&I demands and the need to replace current uses of non-renewable groundwater. The WISE Partnership will provide a sustainable renewable water supply to 10 South Metro entities and reduce the area's M&I gap. This grant application in particular will allow the conjunctive use of groundwater and surface water through the maximum utilization of existing infrastructure.

The WISE Partnership is also identified as an IPP in SWSI 2010, the Metro Roundtable's needs assessment, and the Metro/South Platte BIP. Section 37-75-104(2) specifically charges each roundtable to develop a basin-wide needs assessment and propose projects and methods for meeting those needs. The Metro Roundtable did this in June 2011 with the "SWSI 2010 Metro Basin Report: Basin wide Consumptive and Non-consumptive Water Supply Needs Assessment." The second recommendation in this report is to "support the implementation of IPPs, including for example ... WISE partnership [and] ask the project proponents if they would like support, such as letters or WSRA grants." The WISE Partnership is an important IPP for the Metro Roundtable and this grant application is consistent with the Metro Roundtable's 2010 recommendation. In addition, the Metro/South Platte BIP has 11 plan elements. The first plan element of the BIP is "maximize implementation of IPPs," and WISE is specifically listed as a reuse IPP in section 4.3.2.1 of the BIP.

- d) Matching Requirement: For requests from the **Statewide Fund**, the applicants will be required to demonstrate a **25 percent** (or greater) match of the total grant request from the other sources, including but not limited to Basin Funds. A minimum match of 5% of the total grant amount shall be from Basin funds. A minimum match of 5% of the total grant amount must come from the applicant or 3rd party sources. Sources of matching funds include but are not limited to Basin Funds, in-kind services, funding from other sources, and/or direct cash match. Past expenditures directly related to the project may be considered as matching funds if the expenditures occurred within 9 months of the date the contract or purchase order between the applicant and the State of Colorado is executed. Please describe

² 37-75-104 (2)(c). Using data and information from the Statewide Water Supply Initiative and other appropriate sources and in cooperation with the on-going Statewide Water Supply Initiative, develop a basin-wide consumptive and nonconsumptive water supply needs assessment, conduct an analysis of available unappropriated waters within the basin, and propose projects or methods, both structural and nonstructural, for meeting those needs and utilizing those unappropriated waters where appropriate. Basin Roundtables shall actively seek the input and advice of affected local governments, water providers, and other interested stakeholders and persons in establishing its needs assessment, and shall propose projects or methods for meeting those needs. Recommendations from this assessment shall be forwarded to the Interbasin Compact Committee and other basin roundtables for analysis and consideration after the General Assembly has approved the Interbasin Compact Charter.

Water Supply Reserve Account – Application Form

Revised October 2013

the source(s) of matching funds. (NOTE: These matching funds should also be reflected in your Detailed Budget in **Exhibit A** of this application)

Matching funds for the Statewide Fund request include:

- Basin Funds - \$105,000 (\$85,000 approved and \$20,000 pending as of 8/1/15)
 - The Basin Fund match of the Statewide Fund request is 13.1%
 - The minimum Basin Fund match of 5% is provided from the Metro Account (\$40,000)
 - Local match - \$5,498,021.62
 - The applicant's cash match of the statewide fund request is 687%
 - The applicant's cash match of the total WSRA grant request is 608%
 - The total WSRA grant request represents 14% of the total construction costs
2. For Applications that include a request for funds from the **Statewide Account**, describe how the water activity/project meets all applicable **Evaluation Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines and repeated below.) Projects will be assessed on how well they meet the Evaluation Criteria. **Please attach additional pages as necessary.**

Evaluation Criteria – the following criteria will be utilized to further evaluate the merits of the water activity proposed for funding from the Statewide Account. In evaluation of proposed water activities, preference will be given to projects that meet one or more criteria from each of the three “tiers” or categories. Each “tier” is grouped in level of importance. For instance, projects that meet Tier 1 criteria will outweigh projects that only meet Tier 3 criteria. The applicant should also refer to the Supplemental Scoring Matrix applied to Evaluation Criteria Tiers 1-3 for Statewide Account requests. WSRA grant requests for projects that may qualify for loans through the CWCB loan program will receive preference in the Statewide Evaluation Criteria if the grant request is part of a CWCB loan/WSRA grant package. For these CWCB loan/WSRA grant packages, the applicant must have a CWCB loan/WSRA grant ratio of 1:1 or higher. Preference will be given to those with a higher loan/grant ratio.

Tier 1: Promoting Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs

- a. The water activity addresses multiple needs or issues, including consumptive and/or non-consumptive needs, or the needs and issues of multiple interests or multiple basins. This can be demonstrated by obtaining letters of support from other basin roundtables (in addition to an approval letter from the sponsoring basin).

This proposed water activity addresses multiple issues with benefits for the different parties involved in the Partnership. Through the WISE Partnership, 10 South Metro entities receive a permanent renewable water supply, Denver Water received access to a new emergency backup supply, Aurora Water receives cost-share partners in their Prairie Waters Project, and ECCV retains the use of existing infrastructure that can be conjunctively used with WISE water and other renewable water supplies.

In addition, the WISE Partnership provides a renewable water supply to one of the Metro area's major gap areas without additional transbasin diversions or agricultural transfers. This led to support and contributions from numerous roundtables around the state for this grant application.

Water Supply Reserve Account – Application Form

Revised October 2013

These benefits of the WISE Partnership and the development of this conjunctive use addresses needs in different areas and watersheds within the Metro area, addresses multiple goals and measurable outcomes identified in the Metro/South Platte BIP.

This proposed water activity's promotion of collaboration and cooperation is demonstrated by the contributions and letters of support from different basin roundtables and organizations representing different interests detailed in b. below.

- b. The number and types of entities represented in the application and the degree to which the activity will promote cooperation and collaboration among traditional consumptive water interests and/or non-consumptive interests, and if applicable, the degree to which the water activity is effective in addressing intrabasin or interbasin needs or issues.

This proposed water activity has the active participation of 13 different partners and is the leading example of promoting cooperation and collaboration among Metro area water providers. This proposed water activity's promotion of collaboration and cooperation is demonstrated by the contributions from 7 Basin Roundtables and local matching funds from 12 metro water providers. State leaders, the western slope, the environmental community, and entities throughout the Metro area also actively support the water activity (see Attachment #4 Quotes of Support). The WISE Partnership represents the future of cooperation between water providers on the front-range and collectively benefits over 2 million Coloradoans.

- c. The water activity helps implement projects and processes identified as helping meet Colorado's future water needs, and/or addresses the gap areas between available water supply and future need as identified in SWSI or a roundtable's basin-wide water needs assessment.

This proposed water activity helps meet Metro BRT identified M&I needs. These needs were identified both in the Metro Roundtable's needs assessment and the Metro/South Platte BIP. The WISE Partnership was specifically listed as an Identified Project and Process (IPP) in SWSI 2010 and the Metro Roundtable's Needs Assessment Report. This WSRA grant helps implement this important IPP and address the M&I gap in the South Metro area. The WISE Partnership actively develops up to 10,000 a.f. of water to help meet the South Metro M&I Gap.

Tier 2: Facilitating Water Activity Implementation

- d. Funding from this Account will reduce the uncertainty that the water activity will be implemented. For this criterion the applicant should discuss how receiving funding from the Account will make a significant difference in the implementation of the water activity (i.e., how will receiving funding enable the water activity to move forward or the inability obtaining funding elsewhere).

Coordinating the funding of 10 individual South Metro participants in the WISE Partnership and Denver Water and ECCV's share of the conjunctive use infrastructure is a difficult undertaking. Funding from this Account is the only type of funding available to the WISE Authority as an entity. All other funding needs to come individually from the 10 South Metro WISE participants and Denver Water and ECCV. These individual entities have explored and are using all other types of funding including cash, individual bonding capacity, and CWCB loans. Funding from the CWCB loans cannot be used for the conjunctive use infrastructure proposed in this application.

Water Supply Reserve Account – Application Form

Revised October 2013

- e. The amount of matching funds provided by the applicant via direct contributions, demonstrable in-kind contributions, and/or other sources demonstrates a significant & appropriate commitment to the project.

This water activity has a significant match both from Basin Funds as well as from other sources. Total Basin Funds provide a 13% Basin match for the Statewide Fund request coming from 7 different Basin Roundtables. Project participants are providing a significant non-WSRA match that funds the large majority of the project.

Tier 3: The Water Activity Addresses Other Issues of Statewide Value and Maximizes Benefits

- f. The water activity helps sustain agriculture & open space, or meets environmental or recreational needs.

The WISE Partnership indirectly helps sustain agriculture and meet environmental needs. It provides a renewable water supply to the South Metro area from reusable return flows. Without the ability to make use of these reusable return flows, the South Metro area would need to meet these needs either by acquiring agricultural water rights or developing new water supplies.

- g. The water activity assists in the administration of compact-entitled waters or addresses problems related to compact entitled waters and compact compliance and the degree to which the activity promotes maximum utilization of state waters.

The WISE Partnership promotes maximum utilization of state waters by maximizing the use of reusable return flows from Denver Water and Aurora Water.

- h. The water activity assists in the recovery of threatened and endangered wildlife species or Colorado State species of concern.

The water activity is consistent with the South Platte Recovery Program and all members of the WISE Partnership are members of SPWRAP helping to recovery threatened and endangered species. Several members would not be participating in SPWRAP if they were not in the WISE Partnership.

- i. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.

The WISE Partnership implements an important IPP, helps meet the South Metro M&I Gap, provides a renewable water supply to the South Metro area there-by reducing reliance on non-renewable groundwater, provides a backup drought supply to Denver, and uses Aurora Water's existing infrastructure benefiting over 2 million Coloradans. The development of conjunctive use infrastructure allows the maximum utilization of existing infrastructure and it allows South Metro entities to change the way they use the Denver Basin Aquifer going from an unsustainable base supply, to a sustainable and conjunctively used drought supply.

This water activity builds on previous work approved by CWCB both through a previous WSRA grant and CWCB loan applications, it is being implemented by licensed engineers/contractors with significant experience with this type of infrastructure development, it complements CWCB's loan program (see j. below), and the WISE Partnership is a core component of South Metro's public education programs including our Regional Messaging program and Water Ambassadors program.

Water Supply Reserve Account – Application Form

Revised October 2013

- j. The water activity is complimentary to or assists in the implementation of other CWCB programs.

4 individual WISE Participants have CWCB loans for financing their portion of the WISE infrastructure. Also, the WISE Authority received a previous WSRA grant to assist with the design of various connections into the Western Pipeline. This water activity compliments and does not compete with use of the CWCB loan funds or the previous WSRA grant. These WSRA grant funds will be used for construction of the conjunctive use infrastructure construction, a separate part of the project from the design of the connections that was the focus of the previous WSRA grant. Also, funding from the CWCB loans cannot be used for the conjunctive use infrastructure, yet this infrastructure is critical to the success of the WISE Partnership. This WSRA grant is not a formal grant/loan combination application, but the grant compliments the 4 CWCB loans by helping to fund a critical portion of the project that CWCB loans cannot be used for.

Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.
Please attach additional pages as necessary.

Part IV. – Required Supporting Material

1. **Water Rights, Availability, and Sustainability** – This information is needed to assess the viability of the water project or activity. Please provide a description of the water supply source to be utilized, or the water body to be affected by, the water activity. This should include a description of applicable water rights, and water rights issues, and the name/location of water bodies affected by the water activity.

The water supply source for the WISE Partnership is made up of a mixture of Denver Water and Aurora's water rights divertible from the South Platte River near Brighton utilizing the Aurora's Prairie Waters Project river bank well system. The water rights specifically being used to supply WISE water to South Metro include Denver Water and Aurora's reusable return flows as well as junior South Platte River water rights decreed to Aurora within the past 10 years. Hydrologic modeling performed by Denver Water, Aurora, and a consulting team (Black & Veatch) shows over 100,000 acre-feet is available over a 10-year historical periods between 1949 and 2010. Therefore, in any 10-year period, average delivery rates of 10,000 acre-feet per year are expected with somewhat less in some years and somewhat more in others.

2. Please provide a brief narrative of any related studies or permitting issues.

The overall WISE Partnership is detailed in a 2012 CWCB Loan Feasibility Study (available upon request) and the details of the conjunctive use infrastructure is available in preliminary design memos prepared by the WISE Authority (available upon request).

Construction of the conjunctive use infrastructure will involve various construction related permits such as those listed below. The applicant has already obtained some of the permits, is in the process of obtaining the others, and no major permitting issues are anticipated.

Permitting/Regulatory Requirements for Construction:

- Construction Approval - CDPHE
- Stormwater Discharge Permit - CDPHE
- APEN (Air Pollutant Emission Notice) - CDPHE
- Location and Extent - Douglas County, Planning Department

Water Supply Reserve Account – Application Form

Revised October 2013

- GESC (Grading, Erosion, and Sediment Control - Douglas County, Public Works
- Building Permit - Douglas County, Building Division
- Temporary Access Permit - Douglas County, Public Works and Highlands Ranch Metro District

3. Statement of Work, Detailed Budget, and Project Schedule

See Attachment #5/Exhibit A Scope of Work, Budget, and Schedule.

The statement of work will form the basis for the contract between the Applicant and the State of Colorado. In short, the Applicant is agreeing to undertake the work for the compensation outlined in the statement of work and budget, and in return, the State of Colorado is receiving the deliverables/products specified. **Please note that costs incurred prior to execution of a contract or purchase order are not subject to reimbursement.** All WSRA funds are disbursed on a reimbursement basis after review invoices and appropriate backup material.

Please provide a detailed statement of work using the template in Exhibit A. Additional sections or modifications may be included as necessary. Please define all acronyms and include page numbers.

REPORTING AND FINAL DELIVERABLE

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 statement 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.


PAYMENT

Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 10 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. 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 help promote the development of a common technical platform.

Water Supply Reserve Account – Application Form

Revised October 2013

The above statements are true to the best of my knowledge:

Signature of Applicant: 

Print Applicant's Name: Eric Hecox

Project Title: WISE Partnership: Conjunctive Use Infrastructure

Date: July 30, 2015

Return an electronic version (hardcopy may also be submitted) of this application to:

Craig Godbout – WSRA Application
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203
303-866-3441, ext. 3210 (office)
303-547-8061 (cell)
craig.godbout@state.co.us