



# COLORADO WATER CONSERVATION BOARD



## WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

### REGIONAL WATER SUPPLY INFRASTRUCTURE PROJECT: PRELIMINARY ENGINEERING OF AREA 3 FACILITIES

Name of Water Activity/Project

PIKES PEAK REGIONAL WATER AUTHORITY

Name of Applicant

Arkansas Basin Roundtable

Amount from Statewide Account:

\$100,000

Amount from Basin Account(s):

\$26,000

Total WSRA Funds Requested:

\$126,000

Approving Basin Roundtable(s)

*(If multiple basins specify amounts in parentheses.)*

### 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 December 2011

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### **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 (CWCB). 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 CWCB 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 CWCB 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>

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](mailto: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](mailto:craig.godbout@state.co.us).

## Water Supply Reserve Account – Application Form

Revised December 2011

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

1.	Applicant Name(s):	Pikes Peak Regional Water Authority		
	Mailing address:	231 Security Blvd. Colorado Springs, CO 80911		
	Taxpayer ID#:	84-1428849		
	Primary Contact:	Sean Chambers	Position/Title:	Board President
	Email:	<a href="mailto:schambers@cherokeemetro.org">schambers@cherokeemetro.org</a>		
	Phone Numbers:	Cell: 719-499-5430	Office:	719-597-5080
	Alternate Contact:	Elise Bergsten	Position/Title:	Manager
	Email:	<a href="mailto:elise@dmasc.us">elise@dmasc.us</a>		
	Phone Numbers:	Cell: 719-963-1809	Office:	719-634-8980

### 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 December 2011

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3. Provide a brief description of your organization

Pikes Peak Regional Water Authority is a water authority, a body corporate and politic, a separate governmental entity, a political subdivision and a public corporation of the State of Colorado, pursuant to Section 18(2)(a) and 2(b) of Article XIV, Constitution of the State of Colorado, and to § 29-1-204.2, Colorado Revised Statutes.

The purpose of the Authority is to effect the development of renewable water resources, systems, and facilities and/or drainage facilities in whole or in part for the benefit of the Members and their inhabitants, and others; in short, to implement regional solutions to water supply issues.

4. If the Contracting Entity is different then 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. N/A

## Water Supply Reserve Account – Application Form

Revised December 2011

### 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.

This project addresses the municipal/industrial gap through regional collaboration. Shared infrastructure, the possibility of reuse, and system interconnections will facilitate exchange or trade opportunities, resulting in increased efficiency and conservation. Environmental and recreational benefits will also result, although it is not possible to quantify these benefits as of yet.

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)

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)

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)

Other -- Explain:

## Water Supply Reserve Account – Application Form

Revised December 2011

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

Latitude:

From: ~39° 4'37.06"N  
To: ~ 38°59'0.59"N

Longitude:

From: ~104°49'33.80"W  
To: ~ 104°39'47.41"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.

Water providers in growing communities from central to northern El Paso County are heavily dependent on nonrenewable Denver Basin groundwater to meet their water demands. This region represents the largest M&I gap in the Arkansas Basin and it is already water-short. A critical municipal supply gap in this area could exist as early as the year 2020.

PPRWA members have recently cooperated to produce a Regional Infrastructure Study (partially funded by WSRA grant dollars). Its purpose was to develop alternatives that meet specific renewable supply objectives for each of the participants. The study tied alternatives together to create a single, technically feasible system that meets future supply and infrastructure needs of the participants. This study also looked at the economical feasibility of such a system, and concluded that there is a realistic and feasible opportunity to move ahead with a regional cooperative water supply project. (draft report attached)

The Phase I feasibility study, and, in concept, the long-range project, contains various components spanning from storage off of the Arkansas River, near Pueblo, to facilities in the Palmer Divide area in northern El Paso County.

Area 3, the focus of this proposed Phase II appraisal-level analysis and preliminary engineering scope, consists of storage, conveyance, and potential treatment facilities in the Monument area in northern El Paso County. Because Area 3 storage and conveyance facilities can support both near-term needs of project participants, as well as the long-term integration of the entire system, this will be the first phase of the project to be developed.

The work to be performed under this scope of services included these tasks (explained in detail in Appendix A):

1. Data review, field reconnaissance, and utility search
2. Area 3 storage preliminary engineering
3. Area 3 conveyance system preliminary design
4. Consideration to allow for possible addition of a regional treatment facility later

When this project is complete, preferred locations will have been selected for storage and for the conveyance system. Preliminary design and engineering of these will be complete, and will include room to add a treatment facility when needed.

### 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.)



## Water Supply Reserve Account – Application Form

Revised December 2011

- a) The water activity is consistent with Section 37-75-102 Colorado Revised Statutes.<sup>1</sup>

The project will not supersede, abrogate, or otherwise impair the State's current system of allocating water within Colorado nor does it in any manner repeal or amend the existing water rights adjudication system. The project does not affect the State Constitution's recognition of water rights as a private usufructuary property right nor is it 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.

- b) The water activity and grant application have been approved by the Arkansas Basin Roundtable at their January 14, 2015 meeting. The Roundtable reserved the right to reconsider their approval if not satisfied with a presentation in February of the findings of the Regional Infrastructure Study that preceded this project and resulted in the recommendation to proceed with the project described in this application. The draft report was presented to the Roundtable prior to January's meeting.
- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.<sup>2</sup> 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.
- d) Matching Requirement: For requests from the Statewide Fund, the applicants is required to demonstrate a **20 percent** (or greater) match of the request from the Statewide Account. Statewide requests must also include a minimum match of **5 percent** of the total grant amount from Basin Funds. 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

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<sup>1</sup> 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.

<sup>2</sup> 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 December 2011

considered as matching funds if the expenditures occurred within 9 months of the date the application was submitted to the CWCB. Please describe the source(s) of matching funds. (NOTE: These matching funds should also be reflected in your Detailed Budget in **Exhibit A** of this application)

PROJECT FUNDING SUMMARY	Dollars	In-Kind	Total Support
Cherokee Metro District	\$ 5,000	\$ 3,500	\$ 8,500
Donala Water & Sanitation District	\$ 10,000	\$ 3,000	\$ 13,000
City of Fountain	\$ 1,000	\$ 500	\$ 1,500
Town of Monument	\$ 10,000	\$ 3,000	\$ 13,000
Palmer Lake	\$ 5,000	\$ 1,000	\$ 6,000
Triview Metro District		\$ 1,000	\$ 1,000
Woodmoor Water & Sanitation District	\$ 10,000	\$ 3,000	\$ 13,000
WSRA Basin Funds	\$ 26,000		\$ 26,000
WSRA Statewide Funds	\$ 100,000		\$ 100,000
	\$ 167,000	\$ 15,000	\$ 182,000

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. 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. Solving water issues of this already water-short region with a collaborative approach to needed infrastructure will impact the entire Arkansas Basin and the State of Colorado.
  - This activity directly affects the largest Municipal/Industrial gap in the Arkansas Basin. It is a follow-on project resulting from a prior regional infrastructure study. The project will maximize the possibility of reuse, trades, exchanges, and better use of return flows. Although designed to fit into a larger regional storage, conveyance and treatment system, this project will also stand alone and benefit multiple water providers as well as water users in the entire region.
  - Because this region’s water providers rely heavily on Denver Basin nonrenewable groundwater, water savings and increased efficiency will positively affect the Metro and South Platte basins, and this project also provides the potential for use of renewable supplies in the future, impacting the entire state.



## Water Supply Reserve Account – Application Form

Revised December 2011

- Conservation/Increased Efficiency - Shared infrastructure leads to water savings, allowing for more efficient use of available water, and benefitting Arkansas Basin and statewide conservation values and goals.
  - Environmental Goals - Shared infrastructure decreases the environmental impact of constructing and operating multiple duplicative systems. This project holds the potential to minimize disturbances to wetlands and threatened and endangered species habitat. Improved instream flows may result, enhancing environmental attributes in the basin's waterways.
  - More efficient use of water in this region potentially frees up water for Ag, Recreation and other M/I and downstream users. Area 3 is at the north end of the project, benefitting the most downstream users.
- 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.
- Five water providers will collaborate on this project and benefit directly. Additional regional water providers will collaborate as the other two areas are developed, so intrabasin needs and issues are addressed by this project.
  - Interbasin needs will potentially be affected, due to the dependence of the region on Denver Basin groundwater.
- 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 region has been identified by SWSI and the Arkansas Roundtable's water needs assessment as the most critically water-short area in the Arkansas Basin. This project, once constructed and in use, will lessen the gap in this area.

### 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).
- Funding from Basin and Statewide WSRA funds is the only way for this project to continue. Other grant sources have been considered and will likely be pursued as this phased project moves forward. The WSRA is a perfect fit for this project that addresses the "gap."
- 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.
- Project partners will fund 26% of the cost of this project. They're in it for the long haul, as more phases will follow, and their financial commitment will eventually be much greater.

### 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.
- g. The water activity assists in the administration of compact-entitled waters or addresses problems related to compact entitled waters and compact compliance.

## Water Supply Reserve Account – Application Form

Revised December 2011

- h. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.
- i. The water activity is complimentary to or assists in the implementation of other CWCB programs, including the Arkansas Basin Roundtable's input to the State Water Plan, and their continued efforts to implement projects and methods to meet the needs of the basin.

### 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.

This project continues the path forward to a sustainable water future for the selected region. The Phase 1 study looked at small El Paso County water service provider supplies, demands, conveyance needs, planning, and collaborative opportunities, including water rights and Fountain / Monument Creek Exchanges. Phase 1 work summarized existing water supplies, both renewable and confined aquifer finite supplies and predicated project sizing to meet replacement and demands. Project Participants own a total of 8,662 AF of renewable municipally adjudicated supplies, 12,447 AF of renewable alluvial supplies from designated basin and other sources, and 14,566 AF of non-renewable Denver Basin water resources (a grand total of 35,675 AF) that are contemplated for conveyance, treatment, storage, use and reuse. All of the project participant entities have CWCB Water Conservation Plans either approved or in process and utilize a variety of economic tools to limit consumer consumption. .

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

**WIPS - Water Infrastructure Planning Study:** Completed in 2008, this study focused on efficiencies achieved through cooperation between WIPS participants, which included Donala WSD, Town of Monument, Town of Palmer Lake, Triview MD and Woodmoor WSD (some, but not all of the current project participants). WIPS assumed that a renewable water supply would be available by 2020, and aimed to fill the interim need of the participants. WIPS recommended implementing efficiency programs including indirect potable reuse (IPR), well field optimization, interim supply planning, a follow-up study, a backbone water line connecting participants, increased storage, and renewable water supply alternatives. WIPS stressed the benefit to project members of shared infrastructure for transmission and storage of water, infrastructure that would connect participants and increase opportunities for collaborative water use.

**Regional Infrastructure Study:** This study is complete, and the draft report is available. The current project being planned is a direct result of this study, which took the WIPS recommendation of exploring shared infrastructure for the transmission and storage of water.

3. Statement of Work, Detailed Budget, and Project 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

## **Water Supply Reserve Account – Application Form**

Revised December 2011

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funds are disbursed on a reimbursement basis after review invoices and appropriate backup material.

**See attachment.**

### **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**

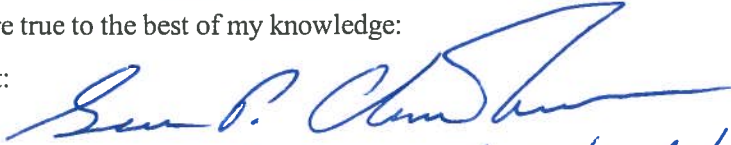
Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for 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 5 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 December 2011

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

Signature of Applicant:



Print Applicant's Name:

Pikes Peak Regional Water Authority  
Sean Chambers, President

Project Title:

Regional Infrastructure Prelim. Engineering Area 3 Facilities

Date:

1/25/2015

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](mailto:craig.godbout@state.co.us)