



# COLORADO WATER CONSERVATION BOARD



## WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Today's Date: July 15, 2015

### Swede Lake Dam and Reservoir Rehabilitation Project

#### Name of Water Activity/Project

Boulder County, through the Boulder County Parks and Open Space Department (BCPOS)

#### Name of Applicant

South Platte Roundtable

Amount from Statewide Account:

\$160,000

Amount from Basin Account(s):

\$40,000

Total WSRA Funds Requested:

\$200,000

#### Approving Basin Roundtable(s)

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

FEIN:84-6000748

### 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 (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>. 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](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 October 2013

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

1.	Applicant Name(s):	Boulder County, through the Boulder County Parks and Open Space Department (BCPOS)		
	Mailing address:	5201 St. Vrain Road Longmont, Colo 80503		
	FEIN #:	84-6000748		
	Primary Contact:	David Bell	Position/Title:	Ag Manager
	Email:	dbell@bouldercounty.org		
	Phone Numbers:	Cell: 303-579-0707	Office:	303-678-6234
	Alternate Contact:	Bridgette McCarthy	Position/Title:	Grant Coordinator
	Email:	bmccarthy@bouldercounty.org		
	Phone Numbers:	Cell: 303-868-5282	Office:	303-678-6276

### 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

Boulder County has a long history of providing quality work in our watersheds. Our agency has a strong history of working collaboratively with community organizations, and state and federal agencies. Boulder County's leadership in the 2013-2014 Boulder County Comprehensive Creek Planning Project, which initiated a master planning project across all impacted watersheds in the county from the September 2013 Flood demonstrates this capability (project funded by a CWCB grant). Many agencies participated in the development of these watershed master plans, and now, implementation of these master plans, including the various cities and towns in Boulder County, various agencies of the State of Colorado, various federal agencies, water districts, non-profits, citizens, and volunteer groups.

Boulder County's leadership in the 2011-2012 Fourmile Canyon Fire Rehabilitation Projects is also testament to this history. Many agencies participated in the development and implementation of the 2011-2012 Fourmile Canyon Fire Rehabilitation Project, including the United States Geological Survey, the Colorado Department of Agriculture, Colorado Department of Public Health and Environment, the many Fire Protection Districts in the area (Fourmile Fire Protection District, Gold Hill Fire Protection district, Sugar Loaf Fire Protection District and Sunshine Protection district) and many volunteer groups.

Boulder County has successfully implemented projects funded by CWCB grants, including the Boulder County Comprehensive Creek Planning Project, the 2012 Fourmile Fire Flood Mitigation Project, and a 2009 St. Vrain Flumegate project with the City of Longmont, the St. Vrain and Lefthand Water Conservancy District and Trout Unlimited.

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 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.

This project will actively support environmental needs; the project will also support recreation as BCPOS will be constructing a trail for passive recreation use on the AHI property in this area in the next 12 months that will connect to the Lagerman property. In addition to its use as agricultural open space, this property provides beneficial habitat opportunities directly on the reservoir as well as the multiple areas of fringe agricultural fields and riparian corridors that are directly and indirectly supported by water from this reservoir.

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 October 2013

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

Latitude: 40.13958

Longitude: -105.19723

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.

*Response:* This project restores storage capacity to the AHI property (223 acre feet preserved) that is currently owned by Boulder County and is managed as a producing farm, under a farmer/tenant lease. With this storage the property will be able to retain farm production of the total 230 acres, with a future of adding 47 additional acres. This property is in the process of transitioning to organic production. Without this storage a significant amount of surface water will need to be purchased in a basin that is already very over appropriated. In addition to its use as agricultural open space, this property provides beneficial habitat opportunities directly on the reservoir as well as the multiple areas of fringe agricultural fields and riparian corridors that are directly and indirectly supported by water from this reservoir.

This reservoir was acquired in April 2011 in conjunction with the purchase of the 757- acre AHI property. In 2010, the Division of Water Resources inspected the reservoir dam, as the reservoir is a jurisdictional dam under the State of Colorado Rules and Regulations for Dam Safety and Construction, and any work done to the dam beyond general maintenance needs to have the approval of the State Engineers Office (SEO). Due to the condition of the dam, the storage was restricted in 1987; the 2010 report noted that the condition of the structure appeared to be in a satisfactory condition at the restricted level; this report also noted that the owner was completing all required maintenance and that the condition of the dam was improving. When Boulder County acquired the property, the condition of the reservoir was functional, however the reservoir failed in June 2013 when the outlet pipe collapsed.

The project site is located approximately one mile west of the intersection of Pike Road and North 75th St in Longmont, Colorado (please see attached map). Swede is the largest of three small reservoirs north of Pike Rd, just northwest of Lagerman Reservoir in unincorporated Boulder County, Colorado. The dam and reservoir lay in an ephemeral drainage way with a small drainage area. The reservoir is fed water by local irrigation ditches.

In early 2015, BCPOS hired Engineering Analytics to complete a geotechnical study on the reservoir to evaluate the feasibility and costs associated with the rehabilitation of the reservoir. The primary concern addressed in this report is seepage through the dam along the north and south ends of the embankment. The primary dam safety issue is the condition of the existing low level outlet works. The Swede Dam and Reservoir was originally developed in 1930 and has been continuously used as water supply for agricultural irrigation. Recent SEO inspections revealed that the dam had deteriorated over the years to the point where it was in a safety concern and required repairs. The County was ordered to draw down the reservoir until repairs could be made. An engineering study and report (Merrick 2012) was subsequently completed for Boulder County that more completely identified the items requiring

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

Revised October 2013

---

repair and provided a conceptual level construction cost estimate. This report can be provided upon request.

The most significant unknowns related to being able to rehabilitate the dam in place, were the engineering characteristics of the existing earth embankment. Accordingly, the geotechnical field and office investigation of the dam embankment and prospective earth borrow sources was conducted (Engineering Analytics 2015) to determine the soils and bedrock characteristics of the site and the extent of embankment rehabilitation that would be needed. This investigation resulted in a report that concluded it was technically feasible from a geotechnical standpoint to rehabilitate the dam and that adequate local borrow sources exist. A design was completed to a preliminary design level that describes/illustrates the geotechnical components that will need to be included in the final design of the project rehabilitation. The main components are tree removal; filling, surface grading, and compaction; and construction of a drain/filter embankment zone along the toe of the dam. This geotechnical documentation can also be provided upon request.

The dam and reservoir are currently existing and located off-stream. Their modification will have a minimal impact on the surrounding environment and minimal impact on riparian and wetland areas. Likewise, the dam and reservoir purpose is 100% for irrigated agriculture. This simplifies the overall project by requiring less evaluation and documentation and allowing it to proceed relatively promptly to construction.

## 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.<sup>1</sup>

Response: The water activity is consistent with Section 37-75-102 Colorado Revised Statutes. Water provided by Swede Lake supports agricultural production on an existing farm, AHI, which is owned as open land by Boulder County, and farmed by an agricultural tenant. The water right is a decreed right that was acquired when Boulder County purchased the property.

- 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.

Response: Please refer to the attached South Platte Roundtable approval letter dated July 23, 2015.

---

<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.



## 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.<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.

Response: Please refer to the attached South Platte Roundtable approval letter dated July 23, 2015.

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

Response: Basin Funds will provide a 25% match for Statewide grant funds. Boulder County Parks and Open Space will be providing a \$605,000 project cash match.

---

<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 October 2013

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).
- 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.
- 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.

### 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).
- 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.

### 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 and the degree to which the activity promotes maximum utilization of state waters.
- h. The water activity assists in the recovery of threatened and endangered wildlife species or Colorado State species of concern.

## Water Supply Reserve Account – Application Form

Revised October 2013

---

- i. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.
- j. The water activity is complimentary to or assists in the implementation of other CWCB programs.

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

### Response:

Evaluation Criteria: This project supports Evaluation criteria:

Tier-1 (c): Currently this property is water short and is forced to rent 223 ac-ft. of supplemental surface water because of the zero storage restriction on Swede Lake. Long term management of the property without Swede Lake will require Boulder County to acquire additional surface rights either through acquisition or transfer from another property. In addition the replacement of the storage right with surface rights would result in a net loss of agricultural land within the basin. This project rehabilitates up to 223 ac-ft. of storage in the St Vrain Creek Watershed. This watershed is already over appropriated; therefore this project reduces the gap and demand on surface water rights, and prevents the dry up of several hundred acres of productive agricultural land.

Tier 2(d) – Funding from this account will reduce uncertainty by providing a completed design and construction for the project. With a completed design Boulder County will be committed to pursuing the completion of the project. Currently due to other budgetary constraints the project is underfunded and this funding will provide the necessary push to start the project and see it through to completion.

Tier 2(e) – The County is committed to the project on several fronts. We have already paid for and completed an initial geotechnical survey. We have had several internal meetings and discussions looking at options for replacement water, having determined this is the most appropriate and cost effective route. Also BCPOS is mandated to extend organic acreage significantly in the next couple of years. This project is an important piece in that goal and the water storage is required for this property to be able to go organic.

Tier 3(f) – This project is crucial for sustaining agriculture on the property. The property is a key piece of open space, of which agriculture is the center piece. Without this project agricultural activities will be significantly reduced on the property, and the value in terms of recreation and open space will be greatly impacted with reduced agricultural activities.

In addition, this project supported the South Platte Basin Roundtable Scoring Criteria: in promoting cooperation and meeting water management goals/needs:

Environment/Recreation: this project will actively support environmental needs; the project will also support recreation as BCPOS will be constructing a trail for passive recreation use on the AHI property in this area in the next 12 months that will connect to the Lagerman property. In addition to its use as agricultural open space, this property provides beneficial habitat opportunities directly on the reservoir

## Water Supply Reserve Account – Application Form

Revised October 2013

---

as well as the multiple areas of fringe agricultural fields and riparian corridors that are directly and indirectly supported by water from this reservoir.

Agriculture: Measurably and actively develops new or conserved water to meet agricultural gap. Currently this property is water short and is forced to rent 223 ac-ft. of supplemental surface water because of the zero storage restriction on Swede Lake. Long term management of the property without Swede Lake will require Boulder County to acquire additional surface rights either through acquisition or transfer from another property. This project is crucial for sustaining agriculture on the property. The property is a key piece of open space, of which agriculture is the center piece. Without this project agricultural activities will be significantly reduced on the property, and the value in terms of recreation and open space will be greatly impacted with reduced agricultural activities.

Project Urgency and Readiness: Boulder County has already pursued an initial geotechnical evaluation of the dam. Internally we have also done a survey and cost estimation for the excavation of the sediment in the lake bed to restore the reservoir to full capacity. Without this storage a significant amount of surface water will need to be purchased in a basin that is already very over appropriated.

Boulder County has the current leadership and political will to support this project at this time. Our Commissioners and BCPOS Director are supportive of investing in our water infrastructure to support our farming practices. Repairing this reservoir will be expensive and will require a significant capital investment from Boulder County; this investment may not occur in the future should our leadership change with a change in the current budget for the project. Due to the September 2013 Flood, BCPOS also presently has the services of an experienced Water Engineer, Doug Laiho, on staff who is leading this project along with other flood recovery projects. This expertise will not be available once Mr. Laiho has finished his tenure with the county.

The Swede Reservoir project supports addressing alternatives to permanent agricultural dry-up. Addresses agricultural supply shortages, identifies opportunities to optimize existing and future water supply infrastructure, and ensures adequate water for future needs- agricultural, environmental and recreational.

## Water Supply Reserve Account – Application Form

Revised October 2013

---

### 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.

Response: The Swede Lake reservoir has two storage rights. The first is the initial fill right of 12-31-1880 for 151 ac-ft. The second is the enlargement of 12-01-1918 for 72.2 ac-ft. Together they represent a total of 223.2 ac-ft. of water storage.

The reservoir is filled via the Table Mountain Ditch, which is part of the Lefthand Ditch Company System. The source water is Lefthand Creek. The tail water benefits Silver Creek, Dry Creek, and Lefthand Creek. The reservoir also acts as a source and distribution point for the two smaller Schureman Reservoirs, located just downstream on the same property.

Due to the reservoir's strategic location on the property it is a crucial piece of the irrigation system. The majority of the property is irrigated via pivot sprinklers. Swede Lake acts both as a distribution point and as a balance, because the ditches coming on to the property cannot keep up with the demand of the sprinklers. The reservoir also acts as the distribution point for other Lefthand Ditch Company and CBT water coming on to the property.

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

Response: Boulder County has already pursued an initial geotechnical evaluation of the dam. This evaluation examined the work need to repair the dam to a structurally sound state and to evaluate potential borrow sources. Internally we have also done a survey and cost estimation for the excavation of the sediment in the lake bed to restore the reservoir to full capacity.

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 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:

Deb Gardner

**Project Title: Swede Lake Dam and Reservoir Rehabilitation Project**

**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)