

**Water Supply Reserve Account – Grant and Loan Program**  
**Water Activity Summary Sheet**  
**September 24, 2013**  
**Agenda Item 18(t)**

**Applicant:** Ducks Unlimited

**Water Activity Name:** South Platte and Metro Integrated Basin Implementation Plan - Nonconsumptive

**Water Activity Purpose:** All inclusive

**River Basin:** South Platte

**Water Source:** South Platte River and tributaries

**Amount Requested:** \$58,000 Statewide, \$59,000 South Platte Basin Account, \$59,000 Metro Account

**Matching Funds:** none

<b>Staff Recommendation</b>
-----------------------------

Staff recommends approval of up to \$59,000 from the Statewide Account, \$58,000 from the South Platte Basin Account, and \$58,000 from the Metro Account to help complete the project titled: South Platte and Metro Integrated Basin Implementation Plan – Nonconsumptive.
--

**Water Activity Summary:** WSRA funds will be expended to draft and South Platte Basin and Metro Integrated Basin Implementation Plan that addresses nonconsumptive needs, and conforms to the Basin Implementation Plan Guidance Document, with Ducks Unlimited acting as the applicant and fiscal agent on behalf of the South Platte Basin and Metro Roundtables.

*Threshold and Evaluation Criteria*

The application meets all four Threshold Criteria.

**Discussion:**

No additional discussion is needed.

**Issues/Additional Needs:**

No issues have been identified.

**Staff Recommendation:**

Staff recommends approval of up to \$58,000 from the Statewide Account, \$59,000 from the South Platte Basin Account, and \$59,00 from the Metro Account to help complete the project titled: South Platte and Metro Integrated Basin Implementation Plan – Nonconsumptive.

All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and will help promote the development of a common technical platform. In accordance with the revised WSRA Criteria and Guidelines, staff would like to highlight additional reporting and final deliverable requirements. The specific requirements are provided below.

**Reporting and Final Deliverable:** The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion of the tasks identified in the scope of work including a description of any major issues that have occurred and any corrective action taken to address these issues. At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

**Engineering:** All engineering work (as defined in the Engineers Practice Act (§12-25-102(10) C.R.S.)) performed under this grant shall be performed by or under the responsible charge of professional engineer licensed by the State of Colorado to practice Engineering.

August 27, 2013

Jacob Bornstein  
Colorado Water Conservation Board  
Water Supply Planning Section, WSRA Application  
1580 Logan Street, Suite 200  
Denver, CO 80203

Dear Jacob,

Respectively the South Platte Basin and Metro Roundtables voted at its August 13 and 14 meetings, to approve the two grant applications associated with development of the Basin Implementation Plan for the South Platte Basin.

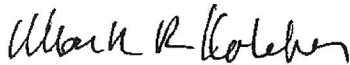
Each of the roundtables unanimously approved \$41,200 each from the Basin Accounts, and endorsed the request for \$329,600 from the Statewide Account, for work on the South Platte Basin Implementation Plan. In total, \$412,000 is requested for work as described in the Integrated Scope of Work – Phase II – BRT Consultant Component attached to the application.

Furthermore, each roundtable unanimously approved an additional amount from each Basin Account (South Platte - \$59,000, Metro \$58,000), and endorsed the request for \$58,000 from the Statewide Account, for work on the Non-Consumptive portion of the South Platte Basin Implementation Plan. In total, \$176,000 is requested for work as described in the South Platte/Metro Non-Consumptive Needs Scope of Work attached to the application.

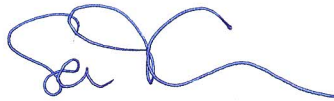
The Roundtables underwent an evaluation and approval process, and believe the applications fully meet the Threshold and Evaluation Criteria for the WSRA Grant Program for Basin Implementation Plans. Both the Metro and South Platte Roundtables support the identified scopes of work as required for development of the South Platte Basin Implementation Plan. During the evaluation and approval process, there were no dissenting votes or opinions expressed, a quorum of the members voted on the applications, and the applications were unanimously supported by both the Metro and South Platte Roundtable membership.

This letter is intended to fulfill Threshold Criteria B (Part III 1.b. in the WSRA Application). The full WSRA Application will be provided separately by the sponsoring agencies. Please let us know if you need any additional information.

Sincerely yours,



Mark Koleber  
Chair, Metro Roundtable



Sean T. Cronin  
Chair, South Platte Basin Roundtable



# WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM FOR BASIN IMPLEMENTATION PLANS



South Platte/Metro

Ducks Unlimited

**Basin**

**Applicant/Fiscal Agent**

08-13-13 & 08/14/13

**Amount from Statewide Account:**

\$58,000

**Roundtable Approval Date**

**Amount from Basin Account:**

SP-\$59,000  
Metro-\$59,000

**Total WSRA Funds Requested:**

\$176,000

Applicant Mailing  
Address:

2926 E. Mulberry  
Fort Collins, CO 80526

Taxpayer ID#:

13-5643799

**Primary Contact:**

Greg Kernohan

Position/Title:

Manager

Email:

gkernohan@ducks.org

Phone Numbers:

Cell:

970 481 7793

Office:

970-221-9862

The Colorado Water Conservation Board (CWCB) has requested that each basin roundtable complete a Basin Implementation Plan as a fundamental component of the forthcoming update to the Statewide Water Supply Initiative and the Colorado Water Plan requested by Governor Hickenlooper's Executive Order D 2013-005. The CWCB's technical team will be available to help with the creation of these plans. In addition, resources of the Colorado River Water Availability Study Continuation will be available to west slope basins to help with more detailed modeling analyses in the plans. Basins are also encouraged to use Water Supply Reserve Account (WSRA) funds to complete all or a portion of their plans.

Since the plans meet the intent and criteria of the WSRA program, fund requests for this purpose should use this streamlined WSRA application form. In addition, staff has determined that Basin Implementation Plans meet the WSRA evaluation criteria for funds from the Statewide WSRA Account, however, applications that seek more than 33% of funds from the Statewide Account must provide a separate sheet justifying the request.

Along with this completed form, the applicant must submit **a detailed scope of work as Exhibit A**, including a budget and schedule. The scope should closely follow the items set forth in the Basin Implementation Plan Guidance Descriptive Outline available on the CWCB website, including the following components:

		Included in this Application (Y or N)?
<b>Executive Summary</b>	See attached Statement of Work	Y
<b>Section 1: Basin Goals and Measurable Outcomes</b>		Y
<b>Section 2: Evaluate Consumptive and Nonconsumptive Needs</b>		
2.1 Nonconsumptive Needs		Y
2.2 Consumptive Needs		
<b>Section 3: Evaluate Consumptive &amp; Nonconsumptive Constraints and Opportunities</b>		Y
3.1 Current Basin Water Operations and Hydrology		
3.2 Water Management and Water Administration (Optional)		
3.3 Hydrologic Modeling (Optional)		
3.4 Shortages Analysis		
<b>Section 4: Projects and Methods</b>		Y
4.1 Education, Participation & Outreach		Y
4.2 New Multi-Purpose, Cooperative, and Regional Projects and Methods		
4.3 M&I Projects and Methods (i.e. projects, conservation, reuse, drought planning)		
4.4 Agricultural Projects & Methods		
4.5 Non-consumptive Projects and Methods		Y
4.6 Interbasin Projects and Methods (optional)		
<b>Section 5: Implementation Strategies for the Projects and Methods</b>		Y
<b>Section 6: How the plan meets the Roundtables' Goals and Measurable Outcomes</b>		Y

The application must also be accompanied by the roundtable's letter of approval, required for all WSRA applications. In addition, the applicant must: coordinate plan development with CWCB's staff and technical team; meet all the WSRA eligibility criteria detailed in the WSRA Criteria and Guidelines document; be able to use the standard contract; address any TABOR issues; provide a W-9 form; and provide proof of required insurance. Other WSRA reference material is available on the CWCB website. Applications must be approved by the CWCB board, but the CWCB approval process may be expedited to accommodate aggressive timelines.

**Signature of Applicant:**

**Print Applicant's Name:** Ducks Unlimited, Inc.

**Date:** 12 August, 2013

**Return an electronic version of all application materials to:**

WSRA Application – Basin Implementation Plans  
Colorado Water Conservation Board  
1580 Logan Street, Suite 200  
Denver, CO 80203  
[rebecca.mitchell@state.co.us](mailto:rebecca.mitchell@state.co.us)

**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 of invoices and appropriate backup material from the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The invoice must include: a description of the work accomplished by major task, an estimate of the percent completed by individual tasks and the entire project 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 project budget will be withheld until final plan 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.

**SCOPE OF WORK FOR DEVELOPING SP/METRO NON-CONSUMPTIVE NEEDS IMPLEMENTATION PLAN:**

- 1) Assess mapped non-consumptive reaches and associated attributes.
  - a) Set measurable outcomes for reaches under each goal provided by SP/Metro NCN Committee.
  - b) What is needed for sustainability of priority attributes identified by the SP/Metro Roundtables?
  - c) What are current conditions/current sources of impairment or of sustainability?
    - a. For streams/ivers, what are low flow/dry-up points in the segment?
    - b. Where are there diversions or other structures that present barriers to species movement/recreation?
  - d) How are NC attributes supported by current consumptive water use (e.g., irrigation and wastewater return flows)?
  - e) What projects and methods have been documented for the priority river segments? What level of protection or benefit do they provide?
  - f) What actions need to be taken in that place to sustain the attributes?
    - a. Start from CPW biologist list of needs for each reach/segment.
    - b. Identify priority reaches/segments where an adjudicated instream flow, other water rights or a cooperative water management plan may be needed to manage water for nonconsumptive needs.
- 2) Assess nexus between list of consumptive IPPs and priority non-consumptive reaches/segments.
  - a) For all listed IPPs, describe nexus between each IPP and non-consumptive reaches/attributes.
  - b) What are opportunities and challenges within each IPP to enhance or fully sustain NC attributes?
- 3) Assess affects on non-consumptive attributes/reaches from broad scale trends.
  - a) Assess what priority river reaches/segments and attributes have been affected because of agricultural dry-up to-date.
  - b) Look at lands that are slated for future dry-up and determine what attributes might be affected by the dry-up, including loss of return flow.
  - c) Assess the impacts of elevated metro re-use on down-stream attributes.
- 4) Develop a list of high-priority, strategic non-consumptive projects in conjunction with BRT Phase II consultant working on Section 4.3 through 4.7, Tasks C1-C4.
  - a) Identify projects that primarily have a non-consumptive focus.
  - b) Identify components of new municipal projects and management of water in urban areas that could benefit non-consumptive segments.
  - c) Identify places within existing ag production and urban river corridors where opportunities exist to meet non-consumptive needs.
- 5) Expected Products
  - a) Develop a draft NCN Implementation Plan for the public review to be conducted under Phase II, Section 4.1: Task A2.

- b) Revision of the draft NCN Implementation Plan, working with the BRT Nonconsumptive Needs Committee and the BRT Phase II consultant performing Section 4.3 through 4.7, Tasks C1 through C4.
- c) Assistance to the BRT Phase II consultant in integrating HCN Implementation Plan into the final Basin Implementation Plan, Section 6, Task G.

**Budget Estimate:**

Technical assessment and NC Plan development (1.5 person yrs level of effort)	\$150,000
Travel and communication expenses	\$26,000
<hr/>	
Total cost estimate:	\$176,000

**Timeline:**

Pre-contract meeting with SP/Metro NCN Committee	November 2013
Contract Start (all following dates to be adjusted, depending on start date)	November 2013
Complete:	
draft SOW 1 (a)	December 2013
draft SOW 1 (b)	January 2014
draft SOW 1 (c)	February 2014
draft SOW 1 (d) & (e)	March 2014
draft SOW 1 (f)	April 2014
draft SOW 2	May 2014
draft SOW 3	May 2014
draft SOW 4	June 2014
Present draft NCN Implementation Plan for public review	July 2014
Revise draft NCN Implementation Plan with SP/Metro NCN committee	August 2014
Work with Consumptive Needs contractor to integrate NCN plan	September 2014

**DRAFT** Integrated Schedule (version 5/13/13)

		2013										2014												2015																	
Potential Interim Products / Process Points	Due Date	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.							
Colorado Water Plan	Nov. 2015	Progress Check										Board Work-Shop										INITIAL DRAFT CWCB Review			Draft to Gov. Office			BRT / Public Review					FINAL								
SWSI Methodologies (incl. Ag & NC gaps) Memo		Draft Due					CWCB Review	BRT Review	CWCB Finalize																																
CH 1. Introduction		Draft Due					CWCB Review		CWCB Finalize																																
CH 2. Progress to Date					Draft Due						CWCB Finalize																														
CH 3. Basin Roundtable Implmentation Plan Summaries												Draft Due												CWCB Review		CWCB Finalize															
CH 4. Statewide Consumptive and Nonconsumptive Needs					Draft Due						CWCB Review	CWCB Finalize																													
CH 5. Statewide Water Supplies											Draft Due				CWCB Review	BRT Review		CWCB Finalize																							
CH 6. Statewide Gap Analysis		BNDSS & 1051 Reporting Tools									Send out Surveys		Surveys Due back			Draft Due		CWCB Review				BRT Review		CWCB Finalize																	
CH 7. Adaptive Management Framework		Draft Due			CWCB Review	BRT Review			CWCB Finalize																																
CH 8. Recommendations for Implementation											Draft Due										CWCB Review			Draft Due		CWCB Review	CWCB Finalize														
Final SWSI	Nov. 2015	SWSI Outline									Board Work-Shop						Board Work-Shop							Board Work-Shop		Board Work-shop	Draft Due		CWCB Review	FINAL											
Nonconsumptive Toolbox			Public Review	CWCB Finalize																																					
BRT Implementation Plan Guideines		All-Chair Call	CWCB Finalize																																						
Basin Implementation Plans	May 2015	BRT Outreach					CWCB WSRA Grant Review						CWCB WSRA Grant Review		Goals & Outcomes Due		CWCB Review	Draft Plans Due				CWCB Review	FINAL																		
No/Low Regrets		IBCC Finish					Present to CWCB		Incorporate into SWSI & State Plan as appropriate																																
Discussion / Agreement			CWCB Feedback	Outline Frame-work							DRAFT Due		Modify		Final to CWCB																										
Build Buy-in																Present to CWCB, BRTs and others																									
IBCC Annual Report	Jun. 2014										FINAL																														
CWCB Meetings			F,F,R		F,R,R		F,R,R,P		F,F,R		*	ws	R		F		R,R,R,P	ws	F,F,R	ws	D,F,R		R		F,R,R		F,F,F	ws	*	ws	R		F,F								
IBCC Meetings				*		F		*		*		D	*		F				*					*				*			*										
Statewide Roundtable Summit													*																												
Basin Roundtables			R,R			P,G	R					G		R			D,P	G		R		D		R,G			F,R		R	G											
R=Review Complete F=Finalize P=Presentation D=Draft Due																																									
*=Meeting G=WSRA Statewide Grant Deadline Due First of Month ws=Workshop																																									