



Southwest – Phase 3 SW Basin Roundtable’s Implementation Plan
CTGG1 2017-463/CMS# 122084

February 13, 2019

San Juan Resources Conservation & Development Council
Attn: Carrie Padgett, SJRCD Council Chairman
100 Jenkins Ranch Road, Space E-2
Durango, CO 81301

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your request for amendment pursuant to the WSRF Grant Program (“Program”). This letter authorizes you to proceed with the Phase 3, SW Basin Roundtable’s Implementation Plan Project (“Project”) in accordance with the terms of this Grant Award Letter.

Attached to this letter are the terms and conditions of your Grant. Please review these terms and conditions, as they are requirements of this Grant to which you, San Juan Resources Conservation & Development Council, agree by accepting the Grant Funds.

The WSRF Criteria & Guidelines can be located on our website for additional information. If you have any questions or concerns regarding the project, please contact Megan Holcomb, Project Manager at 303-866-3441 or at Megan.Holcomb@state.co.us. Please send the 6-month progress reports and invoices directly to the Project Manager and cc me at Dori.vigil@state.co.us.

Thank you.

Sincerely,

//s//

Doriann Vigil
Program Assistant II
O 303-866-3441 ext. 3250
1313 Sherman Street, Rm. 719, Denver, CO 80203
Dori.vigil@state.co.us / cwcb.state.co.com





GRANT AGREEMENT AMENDMENT #1

SIGNATURE AND COVER PAGE

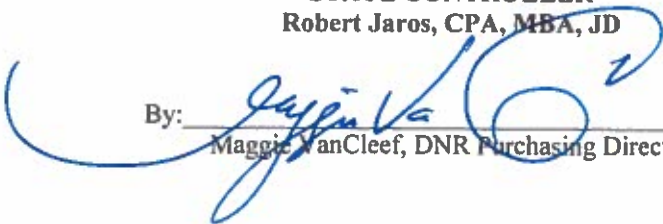
State Agency Department of Natural Resources Colorado Water Conservation Board 1313 Sherman Street, Denver Co 80203	Original Grant Agreement Number CMS# 91044 CTGG1 2017-463
Grantee and Address San Juan Resources Conservation District 100 Jenkins Ranch Road, Space E-2 P.O. Box 1006 Durango, CO 81301	Amendment Grant Agreement Number CMS# 122084 CTGG1 2017-463
Current Grant Agreement Maximum Amount (after amendment approved) Entire Grant Agreement term for all applicable fiscal years: \$131,343.00	Grant Agreement Performance Beginning Date September 30, 2016
Reason for Modification Extension of Time	Current (after amendment approved) Grant Agreement Expiration Date September 30, 2022 December 30, 2021 September September 30, 2021

THE PARTIES HERETO HAVE EXECUTED THIS AMENDMENT

Each person signing this Amendment represents and warrants that he or she is duly authorized to execute this Amendment and to bind the Party authorizing his or her signature.

GRANTEE  By: Carrie Padgett, SJRCD Council Chairman Date: 12/7/18	STATE OF COLORADO John W. Hickenlooper, Governor Colorado Department of Natural Resources Robert D. Randall, Executive Director  (Signature) By: Rebecca Mitchell, Section Chief Carla Thompson Date: 12/17/18
--	---

In accordance with §24-30-202 C.R.S., this Amendment is not valid until signed and dated below by the State Controller or an authorized delegate.

STATE CONTROLLER Robert Jaros, CPA, MBA, JD  By: Maggie VanClef, DNR Purchasing Director Amendment Effective Date: 2/11/2019

1. **PARTIES**

This Amendment (the “Amendment”) to the Original Grant Agreement shown on the Signature and Cover Page for this Amendment (the “Grant Agreement”) is entered into by and between the Grantee, and the State.

2. **TERMINOLOGY**

Except as specifically modified by this Amendment, all terms used in this Amendment that are defined in the Grant Agreement shall be construed and interpreted in accordance with the Grant Agreement.

3. **AMENDMENT EFFECTIVE DATE AND TERM**

A. Amendment Effective Date

This Amendment shall not be valid or enforceable until the Amendment Effective Date shown on the Signature and Cover Page for this Amendment. The State shall not be bound by any provision of this Amendment before that Amendment Effective Date, and shall have no obligation to pay Grantee for any Work performed or expense incurred under this Amendment either before or after of the Amendment term shown in **§3.B** of this Amendment.

B. Amendment Term

The Parties’ respective performances under this Amendment and the changes to the Grant Agreement contained herein shall commence on the Amendment Effective Date shown on the Signature and Cover Page for this Amendment, and shall terminate on the termination of the Grant Agreement or **September 30, 2021**, whichever is earlier.

4. **PURPOSE**

The Water Supply Reserve Account provides money for grants and loans to complete water activities, which are broadly defined and include water supply and environmental projects and/or studies. This Grant, is for Phase 3 of the Southwest Basin Roundtable’s Implementation Plan: Implementation and Outreach in the Southwest River Basin.

5. **MODIFICATIONS**

A. All references to Exhibit A is being replaced by Exhibit A-1.

B. Section 6.A. Completion

The Grant Agreement and all prior amendments thereto, if any, are modified as follows:

Grantee shall complete the Work and its other obligations as described herein and in **Exhibit A-1** on or before September 30, 2021. The State shall not be liable to compensate Grantee for any Work performed prior to the Effective Date or after the termination of this Grant.

C. Section 7.A. Maximum Amount

The State shall, in accordance with the provisions of this **§7**, pay Grantee in the following amounts and using the methods set forth below:

i) Maximum Amount

The maximum amount payable under this Grant to Grantee by the State is **\$131,343.00** as determined by the State from available funds. Grantee agrees to provide any additional funds required for the successful completion of the Work. Payments to Grantee are limited to the unpaid obligated balance of the Grant as set forth in **Exhibit A-1**. The maximum amount payable by the State to Grantee during each State fiscal year of this Grant shall be:

\$131,343 in FY2016
\$131,343 in FY2017, minus any funds expended in FY2016
\$131,343 in FY2018, minus any funds expended in FY2016 and FY2017
\$131,343 in FY2019, minus any funds expended in FY2016, FY2017 and FY2018
\$131,343 in FY2020, minus any funds expended in FY2016, FY2017, FY2018 and FY2019
\$131,343 in FY2021, minus any funds expended in FY2016, FY2017, FY2018, FY2019 and FY2020
\$131,343 in FY2022, minus any funds expended in FY2016, FY2017, FY2018, FY2019 , FY2021

6. **LIMITS OF EFFECT AND ORDER OF PRECEDENCE**

This Amendment is incorporated by reference into the Grant Agreement, and the Grant Agreement and all prior amendments or other modifications to the Grant Agreement, if any, remain in full force and effect except as specifically modified in this Amendment. Except for the Special Provisions contained in the Grant Agreement, in the event of any conflict, inconsistency, variance, or contradiction between the provisions of this Amendment and any of the provisions of the Grant Agreement or any prior modification to the Grant Agreement, the provisions of this Amendment shall in all respects supersede, govern, and control. The provisions of this Amendment shall only supersede, govern, and control over the Special Provisions contained in the Grant Agreement to the extent that this Amendment specifically modifies those Special Provisions.

Exhibit A -1
Statement of Work

WATER ACTIVITY NAME – Phase 3 of the Southwest Basin Roundtable Implementation Plan Project: Implementation and Outreach

GRANT RECIPIENT –San Juan Resource Conservation and Development Council

FUNDING SOURCE – Water Supply Reserve Account

INTRODUCTION AND BACKGROUND

Provide a brief description of the project. (Please limit to **no more than 200 words**; this will be used to inform reviewers and the public about your proposal)

Phase 3 of the Southwest Roundtable Basin Implementation Plan (BIP) will begin implementation of strategies, measureable outcomes, and IPPs completed during the first and second phases of the planning associated with Colorado Water Plan (CWP). The focus of Phases 1 and 2 was to: (1) engage local technical planning in an effort to provide coordination between the Roundtable's sub-basins, the Roundtable, Colorado Water Conservation Board (CWCB) and other state agencies; and (2) provide up-to-date information necessary to produce a timely and useful BIP that was grounded in the needs, values and gaps of the Roundtable's sub-basins. The BIP identifies ways in which the Roundtable, working with the area's sub-basins, intends to close the existing consumptive and non-consumptive water supply gaps through implementation of IPPs, as well as education and outreach efforts. Phase 3 will be guided by the goals, strategies and measurable outcomes identified in the BIP and will implement education and outreach to inform basin residents of the BIP and CWP planning and implementation efforts.

OBJECTIVES

The objectives of this project are to provide outreach and to implement actions identified in the BIP:

- A. Conduct outreach efforts surrounding the implementation of the Colorado Water Plan and Basin Implementation Plan at sub-basin and statewide levels.
- B. Provide technical and process support for implementation of the Colorado Water Plan and Basin Implementation and related IPPs pertaining to priority projects as identified by the Southwest Basin Roundtable.

TASKS

Provide a detailed description of each task using the following format

TASK 1 – Conduct education and outreach efforts to support CWP and BIP implementation

Description of Task

The purpose of this task is to conduct workshops and present at local meetings that have an interest in water. The educational workshops will focus on providing the general public with information on key topics that the roundtable agrees are pertinent to implementation of the CWP and BIP. Outreach will include BIP goals, strategies, and measurable outcomes, CWP action items, resources available through the Roundtable, and specific information on key implementation topics such as water conservation, agricultural efficiency, alternative transfer methods, municipal infrastructure, etc... The outreach will be conducted throughout the 9 sub-basins and will range from large formal meetings to meetings with individuals and groups regarding their specific interests/needs. The BIP's measurable outcomes outline a series of educational workshops that will focus on specific topics at each workshop.

BIP and/or CWP Applicability

The BIP's measurable outcomes identify multiple outreach efforts. Below are excerpts from the BIP that are applicable to this task.

- Goal A. Balance all needs and reduce conflict. An associated measurable outcome, #3: Support and participate in 10 IPPs (such as processes) that promote dialogue, foster cooperation, and resolve conflict. (BIP – page 12)
- Goal C. Meet municipal and industrial water needs. An associated measurable outcome is #5, Implement 3 informational events about water reuse efforts, tools and strategies. (BIP – page 14)

The CWP's action items throughout the document describe multiple ways the CWCB will support the BIP's implementation.

- “The CWCB will establish guidelines for basin roundtable WSRA grants that will enable the basin roundtables to facilitate implementation of their BIPs in their basin. The purpose of the grants would be to foster meeting municipal, industrial, agricultural, environmental, and recreational needs in a manner consistent with the BIPs.” (draft CWP – page 158)
- “... the CWCB will organize and conduct regional workshops with partners or co-sponsors to share lessons learned on actual ATM projects, and to gather additional interest by discussing program benefits.” (draft CWP – page 217 & 398)

Method/Procedure

1. Prepare standard presentation package(s) to describe the BIP and CWP that can be modified to match the presenter and/or the audience. The packages may be used by the contractors and by other Roundtable members.
2. Conduct approximately 20 outreach events, which may include presenting to local boards, working groups, and/or annual meetings throughout the 9 sub-basins to provide information specific to the entities needs or interests relating to the BIP and CWP.

3. Education series workshops: implement an annual series of workshops (ranging from 1 to 3 per year) relating to the BIP's measurable outcomes. The locations of the workshops will rotate from sub-basin to sub-basin.
4. Participate in local, west slope, and state wide discussions as directed by the Roundtable that relate to the BIP, implementation efforts of both plans, and interaction with other roundtables and CWCB staff.
5. Participate in local media outreach efforts such as guest columns in newspapers and radio interviews to encourage attendance and provide awareness related to the BIP and CWP.

Deliverables

1. Workshop presentations and handouts such as newsletters, BIP summaries and additional media necessary for the meetings.
2. Provide summaries of the workshops to Roundtable participants.
3. Generate a handbook, similar to the Gunnison basin's handbook for inhabitants, for mass distribution within the Southwest Basin.

TASK 2 –Implementation of the BIP

Description of Task

The purpose of this task is to provide technical and process support to the Roundtable in implementing the BIP. Dependent upon direction given by the Roundtable, this task will included implementing a project and/or process in each of the follow categories: 1) multi-basin projects; 2) multi-benefit projects; 3) projects that refine methods for defining and/or quantifying environmental and recreational needs; and 4) IPPs that fulfill a water supply gap that could come to fruition with added technical support and access to resources.

BIP and/or CWP Applicability

The BIP's measurable outcomes identify outstanding data needs. Below are excerpts from the BIP that are applicable to this task.

- Goal D. Meet recreational water needs. An associated measurable outcome is #3, address recreational data needs. (BIP – page 15)
- Goal F. Preserve water quality. An associated measurable outcome is #1, by 2016, replace the following statewide outcomes with outcomes based on current status of these measures in the RT area, followed by a periodic status review every five years. (BIP – page 17)
- Evaluation of environmental and or recreation gaps is planned to be conducted for improvement of non-consumptive resources and/or in collaborative efforts with development of consumptive IPPs. The evaluations may be conducted by a subgroup of the SWBRT or by individuals, groups, or organizations with input from the SWBRT. The evaluation may utilize methodologies such as the southwest attribute map, flow evaluation tool, R2 Cross, and any other tools that may be available. (BIP – page 3)
- Where environmental and/or recreational gaps are identified, a collaborative effort will be initiated to develop innovative tools to protect water identified as necessary to address these gaps. (BIP – page 3)
- The Roundtable intends periodic reviews and updates of its Measurable Outcomes as more reliable information is developed and attainment is better understood. (BIP – page 11)

- The Roundtable has not yet, but could in the future, consider reviewing existing spatial data to study locations around the Basin that might present opportunities for attaining all or some of the measureable outcomes. Moreover, as more information about environmental and recreational water needs is gathered, additional IPPs may be identified to meet any updated measurable outcomes. (BIP – page 38)
- Additional Information and Analysis (BIP – page 105-106):
 1. What are the current demands and future needs for water to serve all major industrial uses in the Southwest Basin (i.e. snowmaking, mining, oil and gas development, etc.)?
 2. What are the water supply related needs of the non-community nonpublic water systems in the Basin? How can the Southwest Basin Roundtable identify and improve communication and outreach to these systems?
 3. What are the flows and other conditions necessary to sustain environmental or recreational values associated with specific reaches around the Basin? What are boatable flows for segments that support recreational whitewater boating values?
 4. What new or existing tools can be developed and employed at the reach, local, basin and/or state level to maintain the conditions that sustain environmental or recreational values on segments around the Basin?
 5. What specific stream and lake segments currently support environmental and recreational values within the Southwest Basin Roundtable? What are those values? The segments and values mapped for SWSI 2010 should be brought up to date.

The CWP's action items throughout the plan describe multiple ways the CWCB will support the BIP's implementation.

1. "The CWCB will support increased consistency and technical support in the BIPs in the following ways:
 - a. Provide technical support for several of the BIPs through continued decision support development and maintenance to explore municipal, agricultural, industrial, and environmental shortage analyses similar to those found in the Yampa/White/Green BIP.
 - b. Provide technical support for several of the BIPs to explore the use of project information sheets and project tiering, similar to the Rio Grande, North Platte, and Gunnison BIPs.
 - c. Support the further quantification of costs associated with projects and methods, new acre-feet developed, new irrigated acres." (draft CWP – page 157).
 - d. "The CWCB will incorporate the BIP information into the next version of SWSI and will reassess the municipal, industrial, environmental, recreational, and agricultural gaps at that time." (draft CWP-page 158)
 - e. "Most identified projects did not have associated costs. Therefore, additional cost estimating and refinement of existing project costs will be forthcoming to develop an overall statewide summary of water project funding needs." (draft CWP – page 330)
 - f. "Further refinement and identification of water infrastructure financial needs through BIP process will be required as we move forward." (draft CWP – page 331)

Method/Procedure

1. The Roundtable will select one or more BIP and/or CWP strategies and related IPPs from each of the four categories: 1) multi-basin projects; 2) multi-benefit projects; 3) projects that refine methods for defining and/or quantifying environmental and recreational needs; and 4) IPPs that fulfill a water supply gap that could come to fruition with added technical support and access to resources.
2. Roundtable consultants will organize, circulate, and present support information to address these priorities; utilizing direction from the BIP and/or CWP, Roundtable participants, and technical support as needed.
3. Interested proponents of the strategies and IPPS agree with Roundtable consultants on how to cooperate in advancing a particular strategy and/or IPP. This step could include public education and outreach, accessing or analyzing relevant data and information to formulate implementation steps. Resulting implementation planning would be shared with the Roundtable as updates, and WSRA applications from project proponents when the time is right.
4. Implementation will unfold over a two year period, driven by IPP proponents and with Roundtable support. The Roundtable, with reporting from the consultants, will continue to adjust the priority list to fully support implementation and to direct the technical support funded by the grant.

Deliverable

1. Technical support (e.g. data compilation, analysis, planning) to support implementation of at least one project or process in each of the four categories: 1) Multi-basin projects; 2) Multi-benefit projects; 3) Projects that refine methods for defining and/or quantifying environmental and recreational needs; and 4) IPPs that fulfill a water supply gap that could come to fruition with added technical support and access to resources.



Last Update: January 9, 2018

Budget and Schedule

Budget and Schedule: This Statement of Work shall be accompanied by a combined [Budget and Schedule](#) that reflects the Tasks identified in the Statement of Work.

Reporting Requirements

Progress Reports: The grantee shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status 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. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

Payments

Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for 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 CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget. Per Grant Guidelines, the CWCB will pay out the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) Accountability: Per the Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per the Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.

Phase 3: Basin Implementation Plan Budget for Implementation and Education

WSRA Grant

Completion Date

WSRA Grant		Phase 1	Phase 2	Phase 3					
		Originally 31, 2008 Budget	Original Budget	Technical		Technical		Public Outreach Director	
Labor Distribution				\$70 per hour	Subtotal	\$90 per hour	Subtotal	\$55 per hour	Subtotal
Task 1	Conduct education and outreach efforts to support CWP and BIP implementation			225	\$15,750	225	\$20,250	330	\$18,150
Task 2	Implementation of the BIP			345	\$24,150	345	\$31,050	0	\$0
Associated Miscellaneous Expenses									
Budget Total		\$76,142	\$36,000						
				SJRC&D Adim. Costs (7%)					
				\$8,593					

Grand Total **\$131,343**

Request from Statewide Funds \$43,781
Request from SW Basin Funds \$87,562

Other Direct Costs
Associated Miscellaneous Expenses

	Cost	Quantity	Subtotal
Photocopies	\$0.15	33,000	\$4,950
Color Copies	\$0.75	1,772	\$1,329
Mileage	\$0.55	3,500	\$1,925
Travel Expenses	\$650	8	\$5,200
		Total	\$13,400

Task Completion Schedule

Task 1	Conduct education and outreach efforts to support CWP and BIP implementation	September 30, 2021
Task 2	Implementation of the BIP	September 30, 2021