



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources
DENVER, CO 80203

December 12, 2017

Colorado Rio Grande Restoration Foundation
Attn: Emma Reesor, Executive Director
623 Fourth Street
Alamosa, CO 81101

RE: Notice to Proceed – WSRF Grant – POGG1 2018-971-Five Ditches: Headgate Improvement Project in the
Rio Grande River Basin

Dear Emma,

This letter is to inform you that the grant request to assist in the above WSRF grant project has been approved. The attachments in the email serve as your original contracting documents.

With the executed agreement, you are now able to proceed with the project and invoice the State of Colorado for costs incurred through November 15, 2022. Please note that we have modified the original schedule expiration date to a 5-year maximum grant term. This will allow you the additional time to complete the project if needed, but also avoids the amendment process any time during the project. Although it is extremely helpful for both parties, it is encouraged that the grantee follows the original schedule set forth before the Board upon its original approval. You can refer to the WSRF Criteria & Guidelines located on our website for the updated invoice request requirement instructions prior to submitting your request(s).

The WSRF Criteria & Guidelines also provide instructions for the six month progress reports and final deliverable procedures in order to avoid a delay in payment requests.

If you have any questions or concerns regarding the project, please contact Jonathan Hernandez, Project Manager at 303-866-3441 ext. 3234 or at Jonathan.hernandez@state.co.us. Please send all project correspondence and invoice information to Jonathan.

You can contact me at 303-866-3441 ext. 3250 for additional invoicing, payment and contracting inquiries.

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

Attachments



STATE OF COLORADO GRANT AGREEMENT

SIGNATURE AND COVER PAGE

State Agency (PDAA) Department of Natural Resources Colorado Water Conservation Board (CWCB) 1313 Sherman St, Room 718 Denver, CO 80203	Agreement Number CMS 105355 CTGGI 2018-971
Grantee Name & Address Colorado Rio Grande Restoration Foundation 623 Fourth Street Alamosa, CO 81101 Entity Type Non-governmental-Colorado nonprofit corporation	Agreement Performance Beginning Date November 15, 2017 Initial Agreement Expiration Date November 15, 2022
Agreement Maximum Amount Entire contract term for all applicable fiscal years: \$980,000	Agreement Description The project will replace the Rio Grande #2 diversion and headgate, the Consolidated and Pace Ditch diversion and headgates, the SLV Canal headgate, and the Centennial Ditch Diversion, and stabilize a total of 3,500 streambank miles.

THE PARTIES HERETO HAVE EXECUTED THIS CONTRACT

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

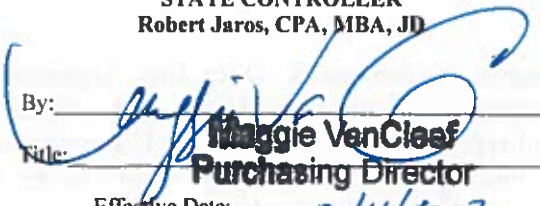
GRANTEE Colorado Rio Grande Restoration Foundation BY: <u>Emma Reesor</u> Signature NAME: <u>Emma Reesor</u> TITLE: <u>Executive Director</u> DATE: <u>10/16/2017</u>	STATE OF COLORADO John W. Hickenlooper, Governor Department of Natural Resources Colorado Water Conservation Board BY: <u>Rebecca Mitchell</u> Name: <u>Rebecca Mitchell, CWCB Director</u> DATE: <u>10/16/17</u>
ATTEST BY: <u>[Signature]</u> Signature NAME: <u>Andrea Bachman</u> TITLE: <u>Program Manager</u> DATE: <u>10/16/2017</u>	
<p>In accordance with §24-30-202, C.R.S., this Agreement is not valid until signed and dated below by the State Controller or an authorized delegate.</p> <p>STATE CONTROLLER Robert Jaros, CPA, MBA, JD</p> <div style="text-align: center;">  By: _____ Title: <u>Maggie VanCleave</u> <u>Purchasing Director</u> Effective Date: <u>12/14/2017</u> </div>	

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SIGNATURE AND COVER PAGE

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1. PARTIES

This Agreement is entered into by and between Grantee named on the Signature and Cover Page for this Agreement (the “Grantee”), and the STATE OF COLORADO acting by and through the State agency named on the Signature and Cover Page for this Agreement (the “State” or “CWCB”). Grantee and the State agree to the terms and conditions in this Agreement.

2. TERM AND EFFECTIVE DATE

A. Effective Date

This Agreement shall not be valid or enforceable until the Effective Date, and the Grant Funds shall be expended by the Agreement Expiration Date shown on the Signature and Cover Page for this Agreement. The State shall not be bound by any provision of this Agreement before the Effective Date, and shall have no obligation to pay Grantee for any Work performed or expense incurred before the Effective Date or after the Agreement Expiration Date.

B. Initial Term

The Parties’ respective performances under this Agreement shall commence on the Agreement Performance Beginning Date shown on the Signature and Cover Page for this Agreement and shall terminate on the Agreement Expiration Date shown on the Signature and Cover Page for this Agreement (the “Initial Term”) unless sooner terminated or further extended in accordance with the terms of this Agreement.

C. Extension Terms - State's Option

The State, at its discretion, shall have the option to extend the performance under this Agreement beyond the Initial Term for a period, or for successive periods, of 1 year or less at the same rates and under the same terms specified in this Agreement (each such period an "Extension Term"). In order to exercise this option, the State shall provide written notice to Grantee in a form substantially equivalent to Exhibit C.

D. End of Term Extension

If this Agreement approaches the end of its Initial Term, or any Extension Term then in place, the State, at its discretion, upon written notice to Grantee as provided in §15, may unilaterally extend such Initial Term or Extension Term for a period not to exceed 2 months (an "End of Term Extension"), regardless of whether additional Extension Terms are available or not. The provisions of this Agreement in effect when such notice is given shall remain in effect during the End of Term Extension. The End of Term Extension shall automatically terminate upon execution of a replacement Agreement or modification extending the total term of this Agreement.

E. Early Termination in the Public Interest

The State is entering into this Agreement to serve the public interest of the State of Colorado as determined by its Governor, General Assembly, or Courts. If this Agreement ceases to further the public interest of the State, the State, in its discretion, may terminate this Agreement in whole or in part. This subsection shall not apply to a termination of this Agreement by the State for breach by Grantee, which shall be governed by §13.A.i.

i. Method and Content

The State shall notify Grantee of such termination in accordance with §15. The notice shall specify the effective date of the termination and whether it affects all or a portion of this Agreement.

ii. Obligations and Rights

Upon receipt of a termination notice for termination in the public interest, Grantee shall be subject to the rights and obligations set forth in §13.A.i.a.

iii. Payments

If the State terminates this Agreement in the public interest, the State shall pay Grantee an amount equal to the percentage of the total reimbursement payable under this Agreement that corresponds to the percentage of Work satisfactorily completed and accepted, as determined by the State, less payments previously made. Additionally, if this Agreement is less than 60% completed, as determined by the State, the State may reimburse Grantee for a portion of actual out-of-pocket expenses, not otherwise reimbursed under this Agreement, incurred by Grantee which are directly attributable to the uncompleted portion of Grantee's obligations, provided that the sum of any and all reimbursement shall not exceed the maximum amount payable to Grantee hereunder.

3. AUTHORITY

Authority to enter into this Agreement exists in the law as follows:

- A. Colorado Revised Statutes (CRS) §39-29-109(2)(c), §37-75-104(2)(c) and §37-75-102 et al., and Senate Bill 06-179 adopted by the 2006 General Assembly, and a sufficient unencumbered balance thereof remains available for payment. Required approvals, clearance and coordination have been accomplished from and with appropriate agencies.

4. PURPOSE

At the September 21, 2017 board meeting, CWCB approved a grant request for the Five Ditches: Rio Grande Diversion and Headgate Improvement project in the Rio Grande River Basin.

5. DEFINITIONS

The following terms shall be construed and interpreted as follows:

- A. **"Agreement"** means this agreement, including all attached Exhibits, all documents incorporated by reference, all referenced statutes, rules and cited authorities, and any future modifications thereto.
- B. **"Award"** means an award by the State to a Grantee.
- C. **"Budget"** means the budget for the Work described in Exhibit B
- D. **"Business Day"** means any day in which the State is open and conducting business, but shall not include Saturday, Sunday or any day on which the State observes one of the holidays listed in §24-11-101(1), C.R.S.
- E. **"CORA"** means the Colorado Open Records Act, §§24-72-200.1, *et. seq.*, C.R.S.
- F. **"Effective Date"** means the date on which this Agreement is approved and signed by the Colorado State Controller or designee, as shown on the Signature and Cover Page for this Agreement.
- G. **"End of Term Extension"** means the time period defined in §2.D
- H. **"Exhibits"** means the following exhibits attached to this Agreement:
 - i. **Exhibit A**, Statement of Work.
 - ii. **Exhibit B**, Budget.
 - iii. **Exhibit C**, Sample Option Letter.
- I. **"Extension Term"** means the time period defined in §2.C
- J. **"Goods"** means any movable material acquired, produced, or delivered by Grantee as set forth in this Agreement and shall include any movable material acquired, produced, or delivered by Grantee in connection with the Services.
- K. **"Grant Funds"** means the funds that have been appropriated, designated, encumbered, or otherwise made available for payment by the State under this Agreement.
- L. **"Incident"** means any accidental or deliberate event that results in or constitutes an imminent threat of the unauthorized access, loss, disclosure, modification, disruption, or destruction of any communications or information resources of the State, which are included as part of the Work, as described in §§24-37.5-401 *et. seq.* C.R.S. Incidents include, without limitation (i) successful attempts to gain unauthorized access to a State system or State Information regardless of where such information is located; (ii) unwanted disruption or denial of service; (iii) the unauthorized use of a State system for the

processing or storage of data; or (iv) changes to State system hardware, firmware, or software characteristics without the State's knowledge, instruction, or consent.

- M. **"Initial Term"** means the time period defined in §2.B
- N. **"Matching Funds"** means the funds provided Grantee as a match required to receive the Grant Funds.
- O. **"Party"** means the State or Grantee, and **"Parties"** means both the State and Grantee.
- P. **"Services"** means the services to be performed by Grantee as set forth in this Agreement, and shall include any services to be rendered by Grantee in connection with the Goods.
- Q. **"State Confidential Information"** means any and all State Records not subject to disclosure under CORA. State Confidential Information shall include, but is not limited to, PII, and State personnel records not subject to disclosure under CORA. State Confidential Information shall not include information or data concerning individuals that is not deemed confidential but nevertheless belongs to the State, which has been communicated, furnished, or disclosed by the State to Contractor which (i) is subject to disclosure pursuant to the CORA; (ii) is already known to Contractor without restrictions at the time of its disclosure by Contractor; (iii) is or subsequently becomes publicly available without breach of any obligation owed by Contractor to the State; (iv) is disclosed to Contractor, without confidentiality obligations, by a third party who has the right to disclose such information; or (v) was independently developed without reliance on any State Confidential Information.
- R. **"State Fiscal Rules"** means that fiscal rules promulgated by the Colorado State Controller pursuant to §24-30-202(13)(a), C.R.S.
- S. **"State Fiscal Year"** means a 12 month period beginning on July 1 of each calendar year and ending on June 30 of the following calendar year. If a single calendar year follows the term, then it means the State Fiscal Year ending in that calendar year.
- T. **"State Records"** means any and all State data, information, and records, regardless of physical form, including, but not limited to, information subject to disclosure under CORA.
- U. **"Subcontractor"** means third-parties, if any, engaged by Grantee to aid in performance of the Work. "Subcontractor" also includes sub-grantees of grant funds.
- V. **"Work"** means the Goods delivered and Services performed pursuant to this Agreement.
- W. **"Work Product"** means the tangible and intangible results of the Work, whether finished or unfinished, including drafts. Work Product includes, but is not limited to, documents, text, software (including source code), research, reports, proposals, specifications, plans, notes, studies, data, images, photographs, negatives, pictures, drawings, designs, models, surveys, maps, materials, ideas, concepts, know-how, information, and any other results of the Work. "Work Product" does not include any material that was developed prior to the Effective Date that is used, without modification, in the performance of the Work.

Any other term used in this Agreement that is defined in an Exhibit shall be construed and interpreted as defined in that Exhibit.

6. STATEMENT OF WORK

Grantee shall complete the Work as described in this Agreement and in accordance with the provisions of **Exhibit A**. The State shall have no liability to compensate Grantee for the delivery of any goods or the performance of any services that are not specifically set forth in this Agreement.

7. PAYMENTS TO GRANTEE

A. Maximum Amount

Payments to Grantee are limited to the unpaid, obligated balance of the Grant Funds. The State shall not pay Grantee any amount under this Agreement that exceeds the Agreement Maximum shown on the Signature and Cover Page of this Agreement.

B. Payment Procedures

i. Invoices and Payment

- a. The State shall pay Grantee in the amounts and in accordance with the schedule and other conditions set forth in Exhibit B.
- b. Grantee shall initiate payment requests by invoice to the State, in a form and manner approved by the State.
- c. The State shall pay each invoice within 45 days following the State's receipt of that invoice, so long as the amount invoiced correctly represents Work completed by Grantee and previously accepted by the State during the term that the invoice covers. If the State determines that the amount of any invoice is not correct, then Grantee shall make all changes necessary to correct that invoice.
- d. The acceptance of an invoice shall not constitute acceptance of any Work performed or deliverables provided under this Agreement.

ii. Interest

Amounts not paid by the State within 45 days of the State's acceptance of the invoice shall bear interest on the unpaid balance beginning on the 45th day at the rate of 1% per month, as required by §24-30-202(24)(a), C.R.S., until paid in full; provided, however, that interest shall not accrue on unpaid amounts that the State disputes in writing. Grantee shall invoice the State separately for accrued interest on delinquent amounts, and the invoice shall reference the delinquent payment, the number of day's interest to be paid and the interest rate.

iii. Payment Disputes

If Grantee disputes any calculation, determination or amount of any payment, Grantee shall notify the State in writing of its dispute within 30 days following the earlier to occur of Grantee's receipt of the payment or notification of the determination or calculation of the payment by the State. The State will review the information presented by Grantee and may make changes to its determination based on this review. The calculation, determination or payment amount that results from the State's review shall not be subject to additional dispute under this subsection. No payment subject to a dispute under this subsection shall be due until after the State has concluded its review, and the State shall not pay any interest on any amount during the period it is subject to dispute under this subsection.

iv. Available Funds-Contingency-Termination

The State is prohibited by law from making commitments beyond the term of the current State Fiscal Year. Payment to Grantee beyond the current State Fiscal Year is contingent on the appropriation and continuing availability of Grant Funds in any subsequent year (as provided in the Colorado Special Provisions). If federal funds or funds from any other non-State funds constitute all or some of the Grant Funds, the State's obligation to pay Grantee shall be contingent upon such non-State funding continuing to be made available for payment. Payments to be made pursuant to this Agreement shall be made only from Grant Funds, and the State's liability for such payments shall be limited to the amount remaining of such Grant Funds. If State, federal or other funds are not appropriated, or otherwise become unavailable to fund this Agreement, the State may, upon written notice, terminate this Agreement, in whole or in part, without incurring further liability. The State shall, however, remain obligated to pay for Services and Goods that are delivered and accepted prior to the effective date of notice of termination, and this termination shall otherwise be treated as if this Agreement were terminated in the public interest as described in §2.E.

v. Erroneous Payments

The State may recover, at the State's discretion, payments made to Grantee in error for any reason, including, but not limited to, overpayments or improper payments, and unexpended or excess funds received by Grantee. The State may recover such payments by deduction from subsequent payments under this Agreement, deduction from any payment due under any other contracts, grants or agreements between the State and Grantee, or by any other appropriate method for collecting debts owed to the State.

D. Reimbursement of Grantee Costs.

The State shall reimburse Grantee's allowable costs, not exceeding the maximum total amount described in Exhibit A and §7 for all allowable costs described in this Grant and shown in the Budget, except that Grantee may adjust the amounts between each line item of the Budget without formal modification to this Agreement as long as the Grantee provides notice to the State of the change, the change does not modify the total maximum amount of this Agreement or the maximum amount for any state fiscal year, and the change does not modify any requirements of the Work. However, any costs incurred by Grantee prior to the Effective Date shall not be reimbursed. Grantee's costs for Work performed after the Fund Expenditure End Date shown on the Signature and Cover Page for this Agreement, or after any phase performance period end date for a respective phase of the Work, shall not be reimbursable. The State shall only reimburse allowable costs described in this Contract and shown in the Budget if those costs are:

- vi. Reasonable and necessary to accomplish the Work and for the Goods and Services provided; and
- vii. Equal to the actual net cost to Grantee (i.e. the price paid minus any items of value received by Grantee that reduce the cost actually incurred).

E. Close-Out.

Grantee shall close out this Award within 45 days after the Fund Expenditure End Date shown on the Signature and Cover Page for this Agreement. To complete close-out, Grantee shall submit to the State all deliverables (including documentation) as defined in this Agreement and Grantee's final reimbursement request or invoice. The State will pay the last 10% of the entire water activity budget upon receipt of the Final Report to which must be completed to the satisfaction of CWCB staff.

8. REPORTING - NOTIFICATION

A. Quarterly Reports.

In addition to any reports required pursuant to §18 or pursuant to any other Exhibit, for any Agreement having a term longer than 3 months, Grantee shall submit, on a quarterly basis, a written report specifying progress made for each specified performance measure and standard in this Agreement. Such progress report shall be in accordance with the procedures developed and prescribed by the State. Progress reports shall be submitted to the State not later than 5 Business Days following the end of each calendar quarter or at such time as otherwise specified by the State.

B. Litigation Reporting

If Grantee is served with a pleading or other document in connection with an action before a court or other administrative decision making body, and such pleading or document relates to this Agreement or may affect Grantee's ability to perform its obligations under this Agreement, Grantee shall, within 10 days after being served, notify the State of such action and deliver copies of such pleading or document to the State's principal representative identified in §15.

C. Performance and Final Status

Grantee shall submit all financial, performance and other reports to the State no later than 45 calendar days after the end of the Initial Term if no Extension Terms are exercised, or the final Extension Term exercised by the State, containing an evaluation and review of Grantee's performance and the final status of Grantee's obligations hereunder.

D. Violations Reporting

Grantee shall disclose, in a timely manner, in writing to the State, all violations of State criminal law involving fraud, bribery, or gratuity violations. The State may impose any penalties for noncompliance allowed under 2 CFR Part 180 and 31 U.S.C. 3321, which may include, without limitation, suspension or debarment.

9. GRANTEE RECORDS

A. Maintenance

Grantee shall make, keep, maintain, and allow inspection and monitoring by the State of a complete file of all records, documents, communications, notes and other written materials, electronic media files, and communications, pertaining in any manner to the Work or the delivery of Services (including, but not limited to the operation of programs) or Goods hereunder. Grantee shall maintain such records for a period (the "Record Retention Period") of three years following the date of submission to the State of the final expenditure report, or if this Award is renewed quarterly or annually, from the date of the submission of each quarterly or annual report, respectively. If any litigation, claim, or audit related to this

Award starts before expiration of the Record Retention Period, the Record Retention Period shall extend until all litigation, claims, or audit findings have been resolved and final action taken by the State. The State may notify Grantee in writing that the Record Retention Period shall be extended. For records for real property and equipment, the Record Retention Period shall extend three years following final disposition of such property.

B. Inspection

Grantee shall permit the State to audit, inspect, examine, excerpt, copy and transcribe Grantee Records during the Record Retention Period. Grantee shall make Grantee Records available during normal business hours at Grantee's office or place of business, or at other mutually agreed upon times or locations, upon no fewer than 2 Business Days' notice from the State, unless the State determines that a shorter period of notice, or no notice, is necessary to protect the interests of the State.

C. Monitoring

The State will monitor Grantee's performance of its obligations under this Agreement using procedures as determined by the State. The federal government and any other duly authorized agent of a governmental agency, in its discretion, may monitor Contractor's performance of its obligations under this Contract using procedures as determined by that governmental entity. The State shall monitor Grantee's performance in a manner that does not unduly interfere with Grantee's performance of the Work.

D. Final Audit Report

Grantee shall promptly submit to the State a copy of any final audit report of an audit performed on Grantee's records that relates to or affects this Agreement or the Work, whether the audit is conducted by Grantee or a third party.

10. CONFLICTS OF INTEREST

A. Actual Conflicts of Interest

Grantee shall not engage in any business or activities, or maintain any relationships that conflict in any way with the full performance of the obligations of Grantee under this Agreement. Such a conflict of interest would arise when a Grantee or Subcontractor's employee, officer or agent were to offer or provide any tangible personal benefit to an employee of the State, or any member of his or her immediate family or his or her partner, related to the award of, entry into or management or oversight of this Agreement.

B. Apparent Conflicts of Interest

Grantee acknowledges that, with respect to this Agreement, even the appearance of a conflict of interest shall be harmful to the State's interests. Absent the State's prior written approval, Grantee shall refrain from any practices, activities or relationships that reasonably appear to be in conflict with the full performance of Grantee's obligations under this Agreement.

C. Disclosure to the State

If a conflict or the appearance of a conflict arises, or if Grantee is uncertain whether a conflict or the appearance of a conflict has arisen, Grantee shall submit to the State a disclosure statement setting forth the relevant details for the State's consideration. Failure to promptly submit a disclosure statement or to follow the State's direction in regard to the actual or apparent conflict constitutes a breach of this Agreement.

11. INSURANCE

Grantee shall obtain and maintain, and ensure that each Subcontractor shall obtain and maintain, insurance as specified in this section at all times during the term of this Agreement. All insurance policies required by this Agreement that are not provided through self-insurance shall be issued by insurance companies as approved by the State.

A. Workers' Compensation

Workers' compensation insurance as required by state statute, and employers' liability insurance covering all Grantee or Subcontractor employees acting within the course and scope of their employment.

B. General Liability

Commercial general liability insurance covering premises operations, fire damage, independent contractors, products and completed operations, blanket contractual liability, personal injury, and advertising liability with minimum limits as follows:

- i. \$1,000,000 each occurrence;
- ii. \$2,000,000 general aggregate;
- iii. \$1,000,000 products and completed operations aggregate; and
- iv. \$50,000 any 1 fire.

C. Automobile Liability

Automobile liability insurance covering any auto (including owned, hired and non-owned autos) with a minimum limit of \$1,000,000 each accident combined single limit.

D. Additional Insured

The State shall be named as additional insured on all commercial general liability policies (leases and construction contracts require additional insured coverage for completed operations) required of Grantee and Subcontractors.

E. Primacy of Coverage

Coverage required of Grantee and each Subcontractor shall be primary over any insurance or self-insurance program carried by Grantee or the State.

F. Cancellation

All commercial insurance policies shall include provisions preventing cancellation or non-renewal, except for cancellation based on non-payment of premiums, without at least 30 days prior notice to Grantee and Grantee shall forward such notice to the State in accordance with §15 within 7 days of Grantee's receipt of such notice.

G. Subrogation Waiver

All commercial insurance policies secured or maintained by Grantee or its Subcontractors in relation to this Agreement shall include clauses stating that each carrier shall waive all rights of recovery under subrogation or otherwise against Grantee or the State, its agencies, institutions, organizations, officers, agents, employees, and volunteers.

H. Public Entities

If Grantee is a "public entity" within the meaning of the Colorado Governmental Immunity Act, §24-10-101, *et seq.*, C.R.S. (the "GIA"), Grantee shall maintain, in lieu of the liability insurance requirements stated above, at all times during the term of this Contract such liability insurance, by commercial policy or self-insurance, as is necessary to meet its liabilities under the GIA. If a Subcontractor is a public entity within the meaning of the GIA, Grantee shall ensure that the Subcontractor maintain at all times during the terms of this Grantee, in lieu of the liability insurance requirements stated above, such liability insurance, by commercial policy or self-insurance, as is necessary to meet the Subcontractor's obligations under the GIA.

I. Certificates

For each commercial insurance plan provided by Grantee under this Agreement, Grantee shall provide to the State certificates evidencing Grantee's insurance coverage required in this Agreement within 7 Business Days following the Effective Date. Grantee shall provide to the State certificates evidencing Subcontractor insurance coverage required under this Agreement within 7 Business Days following the Effective Date, except that, if Grantee's subcontract is not in effect as of the Effective Date, Grantee shall provide to the State certificates showing Subcontractor insurance coverage required under this Agreement within 7 Business Days following Grantee's execution of the subcontract. No later than 15 days before the expiration date of Grantee's or any Subcontractor's coverage, Grantee shall deliver to the State certificates of insurance evidencing renewals of coverage. At any other time during the term of this Agreement, upon request by the State, Grantee shall, within 7 Business Days following the request by the State, supply to the State evidence satisfactory to the State of compliance with the provisions of this §11.

12. BREACH

A. Defined

The failure of a Party to perform any of its obligations in accordance with this Agreement, in whole or in part or in a timely or satisfactory manner, shall be a breach. The institution of proceedings under any bankruptcy, insolvency, reorganization or similar law, by or against Grantee, or the appointment of a receiver or similar officer for Grantee or any of its property, which is not vacated or fully stayed within 30 days after the institution of such proceeding, shall also constitute a breach.

B. Notice and Cure Period

In the event of a breach, the aggrieved Party shall give written notice of breach to the other Party. If the notified Party does not cure the breach, at its sole expense, within 30 days after the delivery of written notice, the Party may exercise any of the remedies as described in §13 for that Party. Notwithstanding any provision of this Agreement to the contrary, the State, in its discretion, need not provide notice or a cure period and may immediately terminate this Agreement in whole or in part or institute any other remedy in this Agreement in order to protect the public interest of the State.

13. REMEDIES

A. State's Remedies

If Grantee is in breach under any provision of this Agreement and fails to cure such breach, the State, following the notice and cure period set forth in §12.B., shall have all of the remedies listed in this §13.A. in addition to all other remedies set forth in this Agreement or

at law. The State may exercise any or all of the remedies available to it, in its discretion, concurrently or consecutively.

i. Termination for Breach

In the event of Grantee's uncured breach, the State may terminate this entire Agreement or any part of this Agreement. Grantee shall continue performance of this Agreement to the extent not terminated, if any.

a. Obligations and Rights

To the extent specified in any termination notice, Grantee shall not incur further obligations or render further performance past the effective date of such notice, and shall terminate outstanding orders and subcontracts with third parties. However, Grantee shall complete and deliver to the State all Work not cancelled by the termination notice, and may incur obligations as necessary to do so within this Contract's terms. At the request of the State, Grantee shall assign to the State all of Grantee's rights, title, and interest in and to such terminated orders or subcontracts. Upon termination, Grantee shall take timely, reasonable and necessary action to protect and preserve property in the possession of Grantee but in which the State has an interest. At the State's request, Grantee shall return materials owned by the State in Grantee's possession at the time of any termination. Grantee shall deliver all completed Work Product and all Work Product that was in the process of completion to the State at the State's request.

b. Payments

Notwithstanding anything to the contrary, the State shall only pay Grantee for accepted Work received as of the date of termination. If, after termination by the State, the State agrees that Grantee was not in breach or that Grantee's action or inaction was excusable, such termination shall be treated as a termination in the public interest, and the rights and obligations of the Parties shall be as if this Agreement had been terminated in the public interest under §2.E.

c. Damages and Withholding

Notwithstanding any other remedial action by the State, Grantee shall remain liable to the State for any damages sustained by the State in connection with any breach by Grantee, and the State may withhold payment to Grantee for the purpose of mitigating the State's damages until such time as the exact amount of damages due to the State from Grantee is determined. The State may withhold any amount that may be due Grantee as the State deems necessary to protect the State against loss including, without limitation, loss as a result of outstanding liens and excess costs incurred by the State in procuring from third parties replacement Work as cover.

ii. Remedies Not Involving Termination

The State, in its discretion, may exercise one or more of the following additional remedies:

a. Suspend Performance

Suspend Grantee's performance with respect to all or any portion of the Work pending corrective action as specified by the State without entitling Grantee to

an adjustment in price or cost or an adjustment in the performance schedule. Grantee shall promptly cease performing Work and incurring costs in accordance with the State's directive, and the State shall not be liable for costs incurred by Grantee after the suspension of performance.

b. Withhold Payment

Withhold payment to Grantee until Grantee corrects its Work.

c. Deny Payment

Deny payment for Work not performed, or that due to Grantee's actions or inactions, cannot be performed or if they were performed are reasonably of no value to the state; provided, that any denial of payment shall be equal to the value of the obligations not performed.

d. Removal

Demand immediate removal of any of Grantee's employees, agents, or Subcontractors from the Work whom the State deems incompetent, careless, insubordinate, unsuitable, or otherwise unacceptable or whose continued relation to this Agreement is deemed by the State to be contrary to the public interest or the State's best interest.

e. Intellectual Property

If any Work infringes, or if the State in its sole discretion determines that any Work is likely to infringe, a patent, copyright, trademark, trade secret or other intellectual property right, Grantee shall, as approved by the State (i) secure that right to use such Work for the State and Contractor; (ii) replace the Work with noninfringing Work or modify the Work so that it becomes noninfringing; or, (iii) remove any infringing Work and refund the amount paid for such Work to the State.

B. Grantee's Remedies

If the State is in breach of any provision of this Agreement and does not cure such breach, Grantee, following the notice and cure period in §12.B and the dispute resolution process in §14 shall have all remedies available at law and equity.

14. DISPUTE RESOLUTION

A. Initial Resolution

Except as herein specifically provided otherwise, disputes concerning the performance of this Agreement which cannot be resolved by the designated Agreement representatives shall be referred in writing to a senior departmental management staff member designated by the State and a senior manager designated by Grantee for resolution.

B. Resolution of Controversies

If the initial resolution described in §14.A fails to resolve the dispute within 10 Business Days, Grantee shall submit any alleged breach of this Agreement by the State to the Procurement Official of the Department of Natural Resources as described in §24-101-301(30), C.R.S. for resolution following the same resolution of controversies process as described in §§24-106-109, 24-109-101.1, 24-109-101.5, 24-109-106, 24-109-107, 24-109-201 through 24-109-206, and 24-109-501 through 24-109-505, C.R.S., (the "Resolution

Statutes”), except that if Grantee wishes to challenge any decision rendered by the Procurement Official, Grantee’s challenge shall be an appeal to the executive director of the Department of Personnel and Administration, or their delegate, in the same manner as described in the Resolution Statutes before Grantee pursues any further action. Except as otherwise stated in this Section, all requirements of the Resolution Statutes shall apply including, without limitation, time limitations regardless of whether the Colorado Procurement Code applies to this Agreement.

15. NOTICES AND REPRESENTATIVES

Each individual identified below shall be the principal representative of the designating Party. All notices required or permitted to be given under this Agreement shall be in writing, and shall be delivered (A) by hand with receipt required, (B) by certified or registered mail to such Party’s principal representative at the address set forth below or (C) as an email with read receipt requested to the principal representative at the email address, if any, set forth below. If a Party delivers a notice to another through email and the email is undeliverable, then, unless the Party has been provided with an alternate email contact, the Party delivering the notice shall deliver the notice by hand with receipt required or by certified or registered mail to such Party’s principal representative at the address set forth below. Either Party may change its principal representative or principal representative contact information by notice submitted in accordance with this §15 without a formal amendment to this Agreement. Unless otherwise provided in this Agreement, notices shall be effective upon delivery of the written notice.

For the State:

Mr. Jonathan Hernandez, Project Manager
Colorado Water Conservation Board
1313 Sherman Street, Room 718
Denver, CO 80203
Jonathan.hernandez@state.co.us
303-866-3441 3234

For Grantee:

Ms. Emma Reesor, Executive Director
Co Rio Grande Restoration Foundation
623 Fourth Street
Alamosa, CO 81101
emma@riograndeheadwaters.org
719-589-2230

16. RIGHTS IN WORK PRODUCT AND OTHER INFORMATION

A. Work Product

i. Copyrights

To the extent that the Work Product (or any portion of the Work Product) would not be considered works made for hire under applicable law, Grantee hereby assigns to the State, the entire right, title, and interest in and to copyrights in all Work Product and all works based upon, derived from, or incorporating the Work Product; all copyright applications, registrations, extensions, or renewals relating to all Work Product and all works based upon, derived from, or incorporating the Work Product; and all moral rights or similar rights with respect to the Work Product throughout the world. To the extent that Grantee cannot make any of the assignments required by this section, Grantee hereby grants to the State a perpetual, irrevocable, royalty-free license to use, modify, copy, publish, display, perform, transfer, distribute, sell, and create derivative works of the Work Product and all works based upon, derived from, or incorporating the Work Product by all means and methods and in any format now known or invented in the future. The State may assign and license its rights under this license.

ii. Patents

In addition, Grantee grants to the State (and to recipients of Work Product distributed by or on behalf of the State) a perpetual, worldwide, no-charge, royalty-free, irrevocable patent license to make, have made, use, distribute, sell, offer for sale, import, transfer, and otherwise utilize, operate, modify and propagate the contents of the Work Product. Such license applies only to those patent claims licensable by Grantee that are necessarily infringed by the Work Product alone, or by the combination of the Work Product with anything else used by the State.

iii. Assignments and Assistance

Whether or not Grantee is under contract with the State at the time, Grantee shall execute applications, assignments, and other documents, and shall render all other reasonable assistance requested by the State, to enable the State to secure patents, copyrights, licenses and other intellectual property rights related to the Work Product. The Parties intend the Work Product to be works made for hire. Grantee assigns to the State and its successors and assigns, the entire right, title, and interest in and to all causes of action, either in law or in equity, for past, present, or future infringement of intellectual property rights related to the Work Product and all works based on, derived from, or incorporating the Work Product.

B. Exclusive Property of the State

Except to the extent specifically provided elsewhere in this Agreement, any pre-existing State Records, State software, research, reports, studies, photographs, negatives or other documents, drawings, models, materials, data and information shall be the exclusive property of the State (collectively, "State Materials"). Grantee shall not use, willingly allow, cause or permit Work Product or State Materials to be used for any purpose other than the performance of Grantee's obligations in this Agreement without the prior written consent of the State. Upon termination of this Agreement for any reason, Grantee shall provide all Work Product and State Materials to the State in a form and manner as directed by the State.

C. Exclusive Property of Grantee

Grantee retains the exclusive rights, title, and ownership to any and all pre-existing materials owned or licensed to Grantee including, but not limited to, all pre-existing software, licensed products, associated source code, machine code, text images, audio and/or video, and third-party materials, delivered by Grantee under this Contract, whether incorporated in a Deliverable or necessary to use a Deliverable (collectively, "Grantee Property"). Grantee Property shall be licensed to the State as set forth in this Contract or a State approved license agreement: (i) entered into as exhibits to this Agreement, (ii) obtained by the State from the applicable third-party vendor, or (iii) in the case of open source software, the license terms set forth in the applicable open source license agreement.

17. GOVERNMENTAL IMMUNITY

Liability for claims for injuries to persons or property arising from the negligence of the State, its departments, boards, commissions committees, bureaus, offices, employees and officials shall be controlled and limited by the provisions of the GIA; the Federal Tort Claims Act, 28 U.S.C. Pt. VI, Ch. 171 and 28 U.S.C. 1346(b), and the State's risk management statutes, §§24-30-1501, *et seq.*, C.R.S.

18. STATEWIDE CONTRACT MANAGEMENT SYSTEM

If the maximum amount payable to Grantee under this Agreement is \$100,000 or greater, either on the Effective Date or at anytime thereafter, this §18 shall apply. Grantee agrees to be governed by and comply with the provisions of §§24-106-103, 24-102-206, 24-106-601, and 24-106-107, C.R.S. regarding the monitoring of vendor performance and the reporting of Agreement performance information in the State's Agreement management system ("Contract Management System" or "CMS"). Grantee's performance shall be subject to evaluation and review in accordance with the terms and conditions of this Agreement, Colorado statutes governing CMS, and State Fiscal Rules and State Controller policies.

19. GENERAL PROVISIONS

A. Assignment

Grantee's rights and obligations under this Agreement are personal and may not be transferred or assigned without the prior, written consent of the State. Any attempt at assignment or transfer without such consent shall be void. Any assignment or transfer of Grantee's rights and obligations approved by the State shall be subject to the provisions of this Agreement.

B. Subcontracts

Grantee shall not enter into any subgrant or subcontract in connection with its obligations under this Agreement without the prior, written approval of the State. Grantee shall submit to the State a copy of each such subgrant or subcontract upon request by the State. All subgrants and subcontracts entered into by Grantee in connection with this Agreement shall comply with all applicable federal and state laws and regulations, shall provide that they are governed by the laws of the State of Colorado, and shall be subject to all provisions of this Agreement.

C. Binding Effect

Except as otherwise provided in §19.A., all provisions of this Agreement, including the benefits and burdens, shall extend to and be binding upon the Parties' respective successors and assigns.

D. Authority

Each Party represents and warrants to the other that the execution and delivery of this Agreement and the performance of such Party's obligations have been duly authorized.

E. Captions and References

The captions and headings in this Agreement are for convenience of reference only, and shall not be used to interpret, define, or limit its provisions. All references in this Agreement to sections (whether spelled out or using the § symbol), subsections, exhibits or other attachments, are references to sections, subsections, exhibits or other attachments contained herein or incorporated as a part hereof, unless otherwise noted.

F. Counterparts

This Agreement may be executed in multiple, identical, original counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same agreement.

G. Entire Understanding

This Agreement represents the complete integration of all understandings between the Parties related to the Work, and all prior representations and understandings related to the Work, oral or written, are merged into this Agreement. Prior or contemporaneous additions, deletions, or other changes to this Agreement shall not have any force or effect whatsoever, unless embodied herein.

H. Jurisdiction and Venue

All suits or actions related to this Agreement shall be filed and proceedings held in the State of Colorado and exclusive venue shall be in the City and County of Denver.

I. Modification

Except as otherwise provided in this Agreement, any modification to this Agreement shall only be effective if agreed to in a formal amendment to this Agreement, properly executed and approved in accordance with applicable Colorado State law and State Fiscal Rules. Modifications permitted under this Agreement, other than Agreement amendments, shall conform to the policies issued by the Colorado State Controller.

J. Statutes, Regulations, Fiscal Rules, and Other Authority.

Any reference in this Agreement to a statute, regulation, State Fiscal Rule, fiscal policy or other authority shall be interpreted to refer to such authority then current, as may have been changed or amended since the Effective Date of this Agreement.

K. Order of Precedence

In the event of a conflict or inconsistency between this Agreement and any Exhibits or attachment such conflict or inconsistency shall be resolved by reference to the documents in the following order of priority:

- i. Colorado Special Provisions in §0 of the main body of this Agreement.
- ii. The provisions of the other sections of the main body of this Agreement.
- iii. Exhibit A, Statement of Work.
- iv. Exhibit B, Budget.
- v. Exhibit C, Sample Option Letter.

L. Severability

The invalidity or unenforceability of any provision of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement, which shall remain in full force and effect, provided that the Parties can continue to perform their obligations under this Agreement in accordance with the intent of this Agreement.

M. Survival of Certain Agreement Terms

Any provision of this Agreement that imposes an obligation on a Party after termination or expiration of this Agreement shall survive the termination or expiration of this Agreement and shall be enforceable by the other Party.

N. Taxes

The State is exempt from federal excise taxes under I.R.C. Chapter 32 (26 U.S.C., Subtitle D, Ch. 32) (Federal Excise Tax Exemption Certificate of Registry No. 84-730123K) and from State and local government sales and use taxes under §§39-26-704(1), *et seq.*, C.R.S.

(Colorado Sales Tax Exemption Identification Number 98-02565). The State shall not be liable for the payment of any excise, sales, or use taxes, regardless of whether any political subdivision of the state imposes such taxes on Grantee. Grantee shall be solely responsible for any exemptions from the collection of excise, sales or use taxes that Grantee may wish to have in place in connection with this Agreement.

O. Third Party Beneficiaries

Except for the Parties' respective successors and assigns described in §19.A., this Agreement does not and is not intended to confer any rights or remedies upon any person or entity other than the Parties. Enforcement of this Agreement and all rights and obligations hereunder are reserved solely to the Parties. Any services or benefits which third parties receive as a result of this Agreement are incidental to this Agreement, and do not create any rights for such third parties.

P. Waiver

A Party's failure or delay in exercising any right, power, or privilege under this Agreement, whether explicit or by lack of enforcement, shall not operate as a waiver, nor shall any single or partial exercise of any right, power, or privilege preclude any other or further exercise of such right, power, or privilege.

Q. CORA Disclosure

To the extent not prohibited by federal law, this Agreement and the performance measures and standards required under §24-103.5-101, C.R.S., if any, are subject to public release through the CORA.

R. Standard and Manner of Performance

Grantee shall perform its obligations under this Agreement in accordance with the highest standards of care, skill and diligence in Grantee's industry, trade, or profession.

S. Licenses, Permits, and Other Authorizations.

Grantee shall secure, prior to the Effective Date, and maintain at all times during the term of this Agreement, at its sole expense, all licenses, certifications, permits, and other authorizations required to perform its obligations under this Agreement, and shall ensure that all employees, agents and Subcontractors secure and maintain at all times during the term of their employment, agency or Subcontractor, all license, certifications, permits and other authorizations required to perform their obligations in relation to this Agreement.

T. Indemnification

i. General Indemnification

Grantee shall indemnify, save, and hold harmless the State, its employees, agents and assignees (the "Indemnified Parties"), against any and all costs, expenses, claims, damages, liabilities, court awards and other amounts (including attorneys' fees and related costs) incurred by any of the Indemnified Parties in relation to any act or omission by Grantee, or its employees, agents, Subcontractors, or assignees in connection with this Agreement.

ii. Confidential Information Indemnification

Disclosure or use of State Confidential Information by Grantee in violation of §0 may be cause for legal action by third parties against Grantee, the State, or their respective

agents. Grantee shall indemnify, save, and hold harmless the Indemnified Parties, against any and all claims, damages, liabilities, losses, costs, expenses (including attorneys' fees and costs) incurred by the State in relation to any act or omission by Grantee, or its employees, agents, assigns, or Subcontractors in violation of §0.

iii. **Intellectual Property Indemnification**

Grantee shall indemnify, save, and hold harmless the Indemnified Parties, against any and all costs, expenses, claims, damages, liabilities, and other amounts (including attorneys' fees and costs) incurred by the Indemnified Parties in relation to any claim that any Work infringes a patent, copyright, trademark, trade secret, or any other intellectual property right.

20. COLORADO SPECIAL PROVISIONS (COLORADO FISCAL RULE 3-1)

These Special Provisions apply to all contracts except where noted in italics.

A. CONTROLLER'S APPROVAL. §24-30-202(1), C.R.S.

This Agreement shall not be valid until it has been approved by the Colorado State Controller or designee.

B. FUND AVAILABILITY. §24-30-202(5.5), C.R.S.

Financial obligations of the State payable after the current State Fiscal Year are contingent upon funds for that purpose being appropriated, budgeted, and otherwise made available.

C. GOVERNMENTAL IMMUNITY.

No term or condition of this Agreement shall be construed or interpreted as a waiver, express or implied, of any of the immunities, rights, benefits, protections, or other provisions, of the Colorado Governmental Immunity Act, §24-10-101, *et seq.*, C.R.S., or the Federal Tort Claims Act, 28 U.S.C. Pt. VI, Ch. 171 and 28 U.S.C. 1346(b).

D. INDEPENDENT CONTRACTOR

Grantee shall perform its duties hereunder as an independent contractor and not as an employee. Neither Grantee nor any agent or employee of Grantee shall be deemed to be an agent or employee of the State. Grantee and its employees and agents are not entitled to unemployment insurance or workers compensation benefits through the State and the State shall not pay for or otherwise provide such coverage for Grantee or any of its agents or employees. Unemployment insurance benefits will be available to Grantee and its employees and agents only if such coverage is made available by Grantee or a third party. Grantee shall pay when due all applicable employment taxes and income taxes and local head taxes incurred pursuant to this Agreement. Grantee shall not have authorization, express or implied, to bind the State to any agreement, liability or understanding, except as expressly set forth herein. Grantee shall (i) provide and keep in force workers' compensation and unemployment compensation insurance in the amounts required by law, (ii) provide proof thereof when requested by the State, and (iii) be solely responsible for its acts and those of its employees and agents.

E. COMPLIANCE WITH LAW.

Grantee shall strictly comply with all applicable federal and State laws, rules, and regulations in effect or hereafter established, including, without limitation, laws applicable to discrimination and unfair employment practices.

F. CHOICE OF LAW.

Colorado law, and rules and regulations issued pursuant thereto, shall be applied in the interpretation, execution, and enforcement of this Agreement. Any provision included or incorporated herein by reference which conflicts with said laws, rules, and regulations shall be null and void. Any provision incorporated herein by reference which purports to negate this or any other Special Provision in whole or in part shall not be valid or enforceable or available in any action at law, whether by way of complaint, defense, or otherwise. Any provision rendered null and void by the operation of this provision shall not invalidate the remainder of this Agreement, to the extent capable of execution.

G. BINDING ARBITRATION PROHIBITED.

The State of Colorado does not agree to binding arbitration by any extra-judicial body or person. Any provision to the contrary in this Agreement or incorporated herein by reference shall be null and void.

H. SOFTWARE PIRACY PROHIBITION. Governor's Executive Order D 002 00.

State or other public funds payable under this Agreement shall not be used for the acquisition, operation, or maintenance of computer software in violation of federal copyright laws or applicable licensing restrictions. Grantee hereby certifies and warrants that, during the term of this Agreement and any extensions, Grantee has and shall maintain in place appropriate systems and controls to prevent such improper use of public funds. If the State determines that Grantee is in violation of this provision, the State may exercise any remedy available at law or in equity or under this Agreement, including, without limitation, immediate termination of this Agreement and any remedy consistent with federal copyright laws or applicable licensing restrictions.

I. EMPLOYEE FINANCIAL INTEREST/CONFLICT OF INTEREST. §§24-18-201 and 24-50-507, C.R.S.

The signatories aver that to their knowledge, no employee of the State has any personal or beneficial interest whatsoever in the service or property described in this Agreement. Grantee has no interest and shall not acquire any interest, direct or indirect, that would conflict in any manner or degree with the performance of Grantee's services and Grantee shall not employ any person having such known interests.

J. VENDOR OFFSET. §§24-30-202(1) and 24-30-202.4, C.R.S.

[Not applicable to intergovernmental agreements] Subject to §24-30-202.4(3.5), C.R.S., the State Controller may withhold payment under the State's vendor offset intercept system for debts owed to State agencies for: (i) unpaid child support debts or child support arrearages; (ii) unpaid balances of tax, accrued interest, or other charges specified in §§39-21-101, *et seq.*, C.R.S.; (iii) unpaid loans due to the Student Loan Division of the Department of Higher Education; (iv) amounts required to be paid to the Unemployment Compensation Fund; and (v) other unpaid debts owing to the State as a result of final agency determination or judicial action.

K. PUBLIC CONTRACTS FOR SERVICES. §§8-17.5-101, *et seq.*, C.R.S.

[Not applicable to agreements relating to the offer, issuance, or sale of securities, investment advisory services or fund management services, sponsored projects, intergovernmental agreements, or information technology services or products and services] Grantee certifies, warrants, and agrees that it does not knowingly employ or

contract with an illegal alien who will perform work under this Agreement and will confirm the employment eligibility of all employees who are newly hired for employment in the United States to perform work under this Agreement, through participation in the E-Verify Program established under Pub. L. 104-208 or the State verification program established pursuant to §8-17.5-102(5)(c), C.R.S., Grantee shall not knowingly employ or contract with an illegal alien to perform work under this Agreement or enter into a contract with a Subcontractor that fails to certify to Grantee that the Subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this Agreement. Grantee (i) shall not use E-Verify Program or State program procedures to undertake pre-employment screening of job applicants while this Agreement is being performed, (ii) shall notify the Subcontractor and the contracting State agency within 3 days if Grantee has actual knowledge that a Subcontractor is employing or contracting with an illegal alien for work under this Agreement, (iii) shall terminate the subcontract if a Subcontractor does not stop employing or contracting with the illegal alien within 3 days of receiving the notice, and (iv) shall comply with reasonable requests made in the course of an investigation, undertaken pursuant to §8-17.5-102(5), C.R.S., by the Colorado Department of Labor and Employment. If Grantee participates in the State program, Grantee shall deliver to the contracting State agency, Institution of Higher Education or political subdivision, a written, notarized affirmation, affirming that Grantee has examined the legal work status of such employee, and shall comply with all of the other requirements of the State program. If Grantee fails to comply with any requirement of this provision or §§8-17.5-101 *et seq.*, C.R.S., the contracting State agency, institution of higher education or political subdivision may terminate this Agreement for breach and, if so terminated, Grantee shall be liable for damages.

L. PUBLIC CONTRACTS WITH NATURAL PERSONS. §§24-76.5-101, *et seq.*, C.R.S.

Grantee, if a natural person 18 years of age or older, hereby swears and affirms under penalty of perjury that he or she (i) is a citizen or otherwise lawfully present in the United States pursuant to federal law, (ii) shall comply with the provisions of §§24-76.5-101 *et seq.*, C.R.S., and (iii) has produced one form of identification required by §24-76.5-103, C.R.S. prior to the Effective Date of this Agreement.

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Last Update: May 19, 2017

Colorado Water Conservation Board	
Water Supply Reserve Fund	
Exhibit A - Statement of Work	
Date:	July 11, 2017
Water Activity Name:	Five Ditches: Rio Grande Diversion and Headgate Improvement Project
Grant Recipient:	Colorado Rio Grande Restoration Foundation
Funding Source:	Water Supply Reserve Fund (Rio Grande Basin and Statewide Accounts)
Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.	
<p>The Consolidated Ditch, Pace Ditch, San Luis Valley Canal, Centennial Ditch, and Rio Grande #2 Ditch divert water off the Rio Grande to irrigate a combined 35,906 acres of agricultural land. Each ditch is facing issues of aging and inefficient diversion infrastructure and the river is impacted by nearby channel instability and sedimentation. The WSRA request will address the identified issues by funding the construction of diversion and headgate replacements, as well as streambank stabilization and riparian restoration adjacent to each location.</p> <p>The project will benefit the five ditch companies by improving diversion efficiency and reducing maintenance by replacing aging diversion dams and installing headgates with automated gates. The project will also enhance water quality by reducing erosion and sediment input, improve riparian condition, improve aquatic and wildlife habitat, and enhance local recreation and community safety by ensuring diversions are passable by fish and boats where appropriate. Additionally, the project complements efforts to protect the Rio Grande State Wildlife Area and the surrounding wetland and riparian habitat. When complete, the project will help ensure that the Rio Grande can continue support the diverse human, agricultural, and ecological communities that depend on it.</p>	
Objectives: (List the objectives of the project)	
<p>The objectives of Five Ditches Project are to:</p> <ol style="list-style-type: none">(1) Improve diversion efficiency and reduce maintenance by replacing the aging Rio Grande Ditch #2 diversion dam and headgate;(2) Improve diversion efficiency and reduce maintenance by replacing the aging Consolidated Ditch and Pace Ditch headgates, installing automated water gates, and replacing the Consolidated and Pace Ditch diversion dam;(3) Improve diversion efficiency and reduce maintenance by replacing the aging San Luis Valley Canal headgate and installing automated water gates(4) Improve diversion efficiency and reduce maintenance by replacing the aging Centennial Ditch diversion dam;(5) Enhance water quality by reducing erosion and sediment input;(6) Improve riparian condition by stabilizing up to 3,500 feet of streambanks in the project area;(7) Increases the capacity of the Rio Grande to transport sediment;(8) Improve aquatic and wildlife habitat;(9) Improve local recreation by including fish and boat passage in the new diversion structures where applicable;(10) Promote public involvement in water improvement activities through public outreach and education.	



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 – Complete Design of Project Elements</u>
Description of Task:
<p>Complete designs and permitting for the project elements, which include:</p> <ul style="list-style-type: none">• Consolidated and Pace diversion dam, headgates, and surrounding streambank stabilization.• Rio Grande #2 diversion dam and headgate, and surrounding streambank stabilization.• San Luis Valley Canal headgate and surrounding streambank stabilization.• Centennial Ditch diversion dam and surrounding streambank stabilization.
Method/Procedure:
<p>Using preliminary designs, district, area, and state NRCS engineers will complete the designs for the Consolidated and Pace diversion dam and headgates. Riverbend Engineering, LLC will complete designs for the San Luis Valley Canal headgate, Centennial Ditch diversion, and Rio Grande #2 diversion and headgate. This will include consulting with geology, hydraulic, and vegetation specialists, completing hydraulic modeling, and performing a load analysis for the diversion and headgate structures. The RGHRP will work with project engineers and ditch companies to complete all required permits and surveys.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
<p>Final designs and required permits for 1) Consolidated and Pace diversion dam and headgates; 2) San Luis Valley Canal headgate; 3) Centennial Ditch diversion dam; 4) Rio Grande #2 diversion dam and headgate. Designs for each project will include streambank stabilization, totaling 3,500ft.</p>
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
<p>The Colorado Rio Grande Restoration Foundation will provide CWCB with the final designs and permits for each project element.</p>



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
Task 2 – Rio Grande Ditch #2 Diversion and Headgate Construction
Description of Task: Replace the Rio Grande Ditch #2 diversion with a stacked rock cross vain diversion that allows for fish and boat passage. Replace the Rio Grande Ditch #2 headgate with a steel headgate box with a sluice way and install rock trash deflector. Implement channel shaping, streambank stabilization and riparian and aquatic habitat improvements upstream and downstream of the Rio Grande #2 diversion and headgate structures.
Method/Procedure: The landowners and CRGRF will hire contractors to remove the current diversion dam and headgate, clear and shape the channel, and enact pollution control. Contractors will then complete grade preparation, build stacked rock cross vain diversion, install headgate and sluice way, and rock trash deflector. The contractor will implement channel and streambank stabilization measures, which may include, bank shaping, channel reconfiguration, rock or log structure installation, and riparian habitat improvements. Riparian improvements may include, but are not limited to willow clump plantings and grass and forb seeding. Upland areas disturbed during onsite activities will be reseeded with appropriate species.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Improved water diversion efficiency and riparian and aquatic habitat. Reduced maintenance, increased riparian vegetation, and improved water quality resulting from streambank stabilization measures.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) The CRGRF will provide CWCB with construction updates and progress reports, including before and after photographs. All project tasks will be documented and shared with CWCB in the final report upon project completion.



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 3 – Consolidated and Pace Diversion and Headgate Construction</u>
Description of Task:
Replace the existing Consolidated and Pace diversion with a concrete diversion dam with a radial sluice gate and a fish ladder. The new diversion will maintain existing boat passage. Replace the Consolidated headgate with a concrete headgate that includes automated gates. Replace the Pace headgate with a manual slide gate and pipe to deliver water to the Pace Ditch. Implement channel shaping, streambank stabilization, and riparian habitat improvements upstream and downstream of the Consolidated and Pace diversion and headgate structures.
Method/Procedure:
The Consolidated Ditch Company and CRGRF will hire contractors to remove the current diversion dam and headgates, clear and shape the channel, and enact pollution control and water removal. Contractors will then complete the foundation work, earthwork, reinforcement, and concrete installation for the diversion dam, headgates, and trash rack. Additionally, pipe conduits, structural work, and automated gate installation will be completed. The contractor will implement NRCS channel and streambank stabilization measures, which may include, bank shaping, channel reconfiguration, rock or log structure installation, and riparian habitat improvements. Riparian improvements may include, but are not limited to willow clump plantings and grass and forb seeding. Upland areas disturbed during onsite activities will be reseeded with appropriate species.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Improved water diversion efficiency and riparian and aquatic habitat. Reduced maintenance, increased riparian vegetation, and improved water quality resulting from streambank stabilization measures.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
The CRGRF will provide CWCB with construction updates and progress reports, including before and after photographs. All project tasks will be documented and shared with CWCB in the final report upon project completion.



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
Task 4 – San Luis Valley Canal Headgate Construction
Description of Task: Replace the San Luis Valley Canal headgate with a concrete headgate that includes automated gates. Implement channel shaping, streambank stabilization, and habitat improvements up and downstream of headgate structure.
Method/Procedure: The SLV Canal Company and CRGRF will hire contractors to remove the current headgate structure, clear and shape the channel and enact pollution control and water removal. Contractors will then complete the foundation work, earthwork, and concrete and reinforcement for the headgate. Additionally, pipe conduits, structural work, and automated gate installation will be completed. The contractor will implement streambank stabilization measures, which may include bank shaping, channel reconfiguration, rock or log structure installation, and riparian habitat improvements. Riparian improvements may include, but are not limited to willow clump plantings and grass and forb seeding. Upland areas disturbed during onsite activities will be reseeded with appropriate species.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Improved water diversion efficiency and riparian and aquatic habitat. Reduced maintenance, increased riparian vegetation, and improved water quality resulting from streambank stabilization measures.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) The CRGRF will provide CWCB with construction updates and progress reports, including before and after photographs. All project tasks will be documented and shared with CWCB in the final report upon project completion.



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 5 – Centennial Ditch Diversion Construction</u>
Description of Task: Replace the Centennial Ditch diversion with a grouted rock diversion. Implement channel and streambank stabilization, and habitat improvements up and downstream of headgate structure.
Method/Procedure: The landowner and CRGRF will hire contractors to remove the existing diversion structure, clear and shape the channel and enact pollution control and water removal. Contractors will then complete the foundation work, earthwork, reinforcement, and rock installation for the diversion. The contractor will implement streambank stabilization measures, which may include bank shaping, channel reconfiguration, rock or log structure installation, and riparian habitat improvements. Riparian improvements may include, but are not limited to willow clump plantings and grass and forb seeding. Upland areas disturbed during onsite activities will be reseeded with appropriate species.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Improved water diversion efficiency and riparian and aquatic habitat. Reduced maintenance, increased riparian vegetation, and improved water quality resulting from streambank stabilization measures.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) The CRGRF will provide CWCB with construction updates and progress reports, including before and after photographs. All project tasks will be documented and shared with CWCB in the final report upon project completion.



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 6 – Project Monitoring</u>
Description of Task:
Monitor each project site for two years using the RGHRP Sampling and Analysis Plan (SAP).
Method/Procedure:
Monitoring will consist of several assessments that include documenting streambank locations with cross sections, photographic documentation, visual stream assessments, and structure assessment. Pre-construction, post-construction, and long-term surveys will map locations and features of the streambanks, diversion, and headgate over time. Photographic documentation will be used to track conditions of the riparian and shoreline plant communities, bank stabilization, and overall visual condition of the Project area. The United States Department of Agriculture's Stream Visual Assessment Protocol II (SVAP II) will be used to assess the sites. Project engineers will complete an annual check sheet that assesses the condition and function of the headgate and diversion structure. This monitoring strategy is used in other RGHRP projects. The RGHRP will be responsible for monitoring.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Annual Reports which summarize monitoring data, condition of the sites, and long term trends comparing current data to prior data in order to demonstrate the relative stability of the streambanks and to evaluate the degree of improvement in the riparian condition.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
The CRGRF will provide CWCB all monitoring reports. All project tasks will be documented and shared with CWCB in the final report upon project completion.

Tasks



Last Update: May 19, 2017


Tasks
Provide a detailed description of each task using the following format:
Task 7 – Outreach and Education
Description of Task: Conduct public outreach and education to raise awareness of Project activities and the RGHRP efforts, and encourage other landowners to participate in future projects.
Method/Procedure: Develop visual aids and written materials showing the specific sites and proposed work. Make presentations at the SLV Wetlands Area Focus Committee; Rio Grande Inter-basin Roundtable; quarterly Board Meetings of the Rio Grande Water Conservancy District; Board Meetings of the San Luis Valley Water Conservancy District, and to specific public meetings. In addition, give interviews and status reports on local radio stations. Conduct tours to demonstrate the applied techniques. RGHRP staff and volunteers will complete this task.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) A public that is better informed and more aware of river related issues, especially regarding the work of the RGHRP, the role of the Foundation, and the restoration program in general, including site-specific methodologies used to achieve Project objectives. Outreach and education efforts will impress upon the public the importance of improving the condition of the Rio Grande and will raise awareness, gain support and increase participation in future projects.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) The RGHRP will provide CWCB with education and outreach materials, photographs from project tours and presentations, and press releases. All project tasks will be documented and shared with CWCB in the final report upon project completion.



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
Task 8 – Project Management and Administration
Description of Task:
Complete project oversight, management, and partner coordination. Complete all necessary contracts, status reports, and internal and external documents. Ensure tasks are completed within approved costs and timelines.
Method/Procedure:
The RGHRP will administer the Five Ditches Project. This includes completing contracts with the CWCB, NRCS, Project partners, landowners, and contractors; obtaining the necessary environmental permits; managing budgets and reimbursement requests; and completing semi-annual and final reports. Additionally, the RGHRP will perform Project oversight, making certain project design and implementation are timely and accurate. The RGHRP will organize outreach and education efforts and complete site monitoring in accordance the SAP.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
All appropriate contracts, external and internal reports, and on-site Project activities completed within planned period and anticipated costs.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
The RGHRP will provide CWCB all contracts, reimbursement requests, and progress reports within the planned timeline. All project tasks will be documented and shared with CWCB in the final report upon project completion.

Last Update: May 19, 2017

<div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;"> COLORADO Colorado Water Conservation Board Department of Natural Resources </div> </div>						
Colorado Water Conservation Board						
Water Supply Reserve Fund Exhibit B - BUDGET AND SCHEDULE						
Date: July 11, 2017						
Water Activity Name: Five Ditches: Rio Grande Diversion and Headgate Improvement Project						
Grantee Name: Colorado Rio Grande Restoration Foundation						
<u>Task No.</u>	<u>Description</u>	<u>Start Date</u> ⁽¹⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽²⁾	<u>WSRF Funds</u> (Basin & Statewide combined) ⁽²⁾	<u>Total</u>
1	Complete Design of Project Elements	June 2017	December 2017	\$256,000	\$0	\$256,000
2	Rio Grande Ditch #2 Diversion and Headgate Construction	November 15, 2017	November 15, 2022	\$15,500	\$50,000	\$65,500
3	Consolidated and Pace Diversion and Headgate Construction	November 15, 2017	November 15, 2022	\$1,400,000	\$400,000	\$1,800,000
4	San Luis Valley Canal Headgate Construction	December 1, 2017	November 15, 2022	\$200,000	\$210,000	\$410,000
5	Centennial Ditch Diversion Construction	December 1, 2017	November 15, 2022	\$230,000	\$245,000	\$475,000
6	Project Monitoring	November 15, 2017	November 15, 2022	\$3,000	\$2,000	\$5,000
7	Outreach and Education	November 15, 2017	November 15, 2022	\$3,000	\$3,000	\$6,000
8	Project Management and Administration	November 15, 2017	November 15, 2022	\$18,000	\$70,000	\$88,000
Total				\$2,125,500	\$980,000	\$3,105,500

(1) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.

(2) Round values up to the nearest hundred dollars.

Reimbursement eligibility commences upon the grantee's receipt of a signed contract.

Project activities may commence as soon as the grantee enters contract and receives formal approved State Grant Agreement.

CWCB will pay the last 10% of the entire grant budget when the Final Report (Deliverable) is completed and accepted (2016 WSRF Criteria & Guidelines).

Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution

Detailed Budget for Task 1: Design of Project Elements					
Project Tasks	Total	Source of Funds			Total
		WSRA Basin Grant POGG1 2017-1000 (May 2017)	WSRA Grant (September 2017)	NRCS In-Kind	
Diversion Replacement					
Survey, design, and permitting for Rio Grande 2 Diversion Improvement Project	\$ 16,000.00	\$ 16,000.00	\$ -	\$ -	\$ 16,000.00
Survey, design, and permitting for Consolidated and Pace Diversion Improvement Project	\$ 180,000.00	\$ -	\$ -	\$ 180,000.00	\$ 180,000.00
Survey, design, and permitting for San Luis Valley Canal Headgate Improvement Project	\$ 32,000.00	\$ 32,000.00	\$ -	\$ -	\$ 32,000.00
Survey, design, and permitting for Centennial Ditch Diversion Improvement	\$ 28,000.00	\$ 28,000.00	\$ -	\$ -	\$ 28,000.00
TOTAL BUDGET FOR TASK 1	\$ 256,000.00	\$ 76,000.00	\$ -	\$ 180,000.00	\$ 256,000.00
Percent of Project Cost		30%	0%	70%	100%

Detailed Budget for Task 2: Rio Grande 2 Implementation Project Budget					
Project Tasks	Total	Source of Funds			Total
		Cash Contributions		In-Kind	
		WSRA Grant (September 2017)	Landowners	Landowners	
Diversion and Headbox Replacement					
Site Preparation: Includes subgrade prep, removal of the old structure, channel clearing and shaping, pollution control, and mobilization.	\$ 7,000.00	\$ 7,000.00	\$ -	\$ -	\$ 7,000.00
Construction and materials for rock cross vane diversion structure	\$ 28,500.00	\$ 16,000.00	\$ 5,000.00	\$ 7,500.00	\$ 28,500.00
Headbox Replacement	\$ 10,500.00	\$ 10,500.00	\$ -	\$ -	\$ 10,500.00
Total Diversion and Headbox Replacement	\$ 46,000.00	\$ 33,500.00	\$ 5,000.00	\$ 7,500.00	\$ 46,000.00
Channel Shaping and Riparian Restoration					
Channel clearing and shaping	\$ 2,000.00	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00
Riparian revegetation	\$ 1,500.00	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00
Total Channel Shaping	\$ 3,500.00	\$ 3,500.00	\$ -	\$ -	\$ 3,500.00
Additional Costs					
Construction Management, Surveys and Contractor Quality Control	\$ 5,000.00	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00
Construction contingency (20%)	\$ 11,000.00	\$ 8,000.00	\$ 3,000.00	\$ -	\$ 11,000.00
Total Additional Costs	\$ 16,000.00	\$ 13,000.00	\$ 3,000.00	\$ -	\$ 16,000.00
TOTAL BUDGET TASK 2	\$ 65,500.00	\$ 50,000.00	\$ 8,000.00	\$ 7,500.00	\$ 65,500.00
Percent of Project Cost		76%	12%	11%	100%

RIO GRANDE 2 DITCH DIVERSION REPLACEMENT PROJECT

Construction Quantities and Cost Estimates

Item	Materials	Unit	Estimated Quantity	Cost per Unit	COST
1	Large Rocks 3-4 ft	EA	125	\$120.00	\$15,000.00
2	New Steel Headbox with sluiceway (gates included)	EA	1	\$10,000.00	\$10,000.00
3	Large Rock Rip Rap Type VH	CY	100	\$80.00	\$8,000.00
Construction					
4	Build cross vane diversion structure	EA	1	\$5,000.00	\$5,000.00
5	Subgrade Prep/Place large rock rip rap	CY	100	\$25.00	\$2,500.00
6	Channel shaping up and downstream	CY	125	\$16.00	\$2,000.00
7	Transplant willows	CY	30	\$50.00	\$1,500.00
8	Place steel headbox	LS	1	\$500.00	\$500.00
9	Mobilization	LS	1	\$5,000.00	\$5,000.00
10	Construction Management, Surveys and Quality Control	LS	1	\$5,000.00	\$5,000.00
<i>Materials & Construction Subtotal</i>					\$54,500.00
<i>Construction Contengency (20%) (Rounded)</i>					\$11,000.00
TASK 2 TOTAL BID ESTIMATE					\$65,500.00

Detailed Budget for Task 3: Consolidated Ditch Implementation Project

Project Tasks	Total	Sources of Funds - Cash Contribution			Total
		NRCS/EQIP	WSRA Grant (September 2017)	Landowners	
Diversion Replacement					
Site Preparation: Includes clearing and grubbing, removal of the old structure, channel clearing and shaping, pollution control, and mobilization.	\$ 60,000.00	\$ -	\$ -	\$ 60,000.00	\$ 60,000.00
Water Removal	\$ 75,000.00	\$ -	\$ -	\$ 75,000.00	\$ 75,000.00
Concrete and reinforcement : Includes earthfill and drainfill, concrete dam, fish passage, and steel reinforcement of dam	\$ 500,000.00	\$ 260,000.00	\$ 200,000.00	\$ 40,000.00	\$ 500,000.00
Riprap and slope protection	\$ 100,000.00	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00
Water control gate and structural work (catwalk, etc.)	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00	\$ 30,000.00
Construction Contingency (20%)	\$ 148,000.00	\$ -	\$ -	\$ 148,000.00	\$ 148,000.00
Total Diversion Replacement Cost	\$ 913,000.00	\$ 360,000.00	\$ 200,000.00	\$ 353,000.00	\$ 913,000.00
Headgate Replacement					
Site Preparation: Includes clearing and grubbing, removal of the old structure, channel clearing and shaping, and pollution control.	\$ 18,000.00	\$ -	\$ -	\$ 18,000.00	\$ 18,000.00
Removal of water	\$ 75,000.00	\$ -	\$ -	\$ 75,000.00	\$ 75,000.00
Concrete and Reinforcement: includes earthfill, concrete and steel reinforcement for Consolidated and Pace headgates and trashrack	\$ 500,000.00	\$ 260,000.00	\$ 182,000.00	\$ 58,000.00	\$ 500,000.00
Pipe: includes sluice to river and pipe to Pace ditch	\$ 20,000.00	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00
Water control gates and structural work	\$ 55,000.00	\$ 40,000.00	\$ -	\$ 15,000.00	\$ 55,000.00
Automation and Uplooker flow sensor	\$ 40,000.00	\$ 40,000.00	\$ -	\$ -	\$ 40,000.00
Construction Contingency (20%)	\$ 131,000.00	\$ -	\$ -	\$ 131,000.00	\$ 131,000.00
Total Headgate Replacement	\$ 839,000.00	\$ 360,000.00	\$ 182,000.00	\$ 297,000.00	\$ 839,000.00
Channel Shaping and Streambnak Stabilization					
Channel clearing and shaping	\$ 10,000.00	\$ -	\$ 10,000.00	\$ -	\$ 10,000.00
Revegetation: includes seeding, spriggin, and mulcing disturbed sites	\$ 8,000.00	\$ -	\$ 8,000.00	\$ -	\$ 8,000.00
Total Channel Shaping and Streambank Stabilization	\$ 18,000.00	\$ -	\$ 18,000.00	\$ -	\$ 18,000.00
Additional Costs					
Construction Surveys and Contractor Quality Control	\$ 30,000.00	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00
Total Additional Costs	\$ 30,000.00	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00
TOTAL BUDGET FOR TASK 3	\$ 1,800,000.00	\$ 750,000.00	\$ 400,000.00	\$ 650,000.00	\$ 1,800,000.00
Percent of Project Cost		42%	22%	36%	100%

Consolidated Ditch Diversion and Headgate Replacement Project

Construction Quantities and Cost Estimates

Item	Work	Unit	Estimated Quantities	Cost per Unit	COST
1	Mobilization and Demobilization	Job	1	\$30,000.00	\$32,000.00
2	Removal of Existing Structures	Job	1	\$35,000.00	\$35,000.00
3	Clearing and Grubbing	Job	1	\$5,000.00	\$5,000.00
4	Seeding, Sprigging and Mulching	Job	1	\$1,000.00	\$1,000.00
	<i>Subsidiary: Seeding</i>	Acres	3	\$1,000.00	\$3,000.00
	<i>Subsidiary: Willow transplants</i>	EA	100	\$50.00	\$5,000.00
	<i>Subsidiary: Channel Shaping</i>	Job	1	\$10,000.00	\$10,000.00
5	Construction Surveys	Job	1	\$15,000.00	\$15,000.00
6	Removal of Water	Job	1	\$150,000.00	\$150,000.00
7	Concrete for Major Structures*	CY	810	\$1,000.00	\$810,000.00
8	<i>Subsidiary: Excavation</i>	CY	8000	\$5.00	\$40,000.00
	<i>Subsidiary: Earthfill</i>	CY	10,000	\$5.00	\$50,000.00
	<i>Subsidiary: Steel Reinforcement</i>	Job	1	\$100,000.00	\$100,000.00
9	Plastic Pipe	LF	100	\$50.00	\$5,000.00
10	Corrugated Metal Pipe	LF	120	\$125.00	\$15,000.00
11	Rock Rip Rap	CY	1250	\$80.00	\$100,000.00
12	Install Water Control Gates	-	-		
	<i>10' wide x 6' high Radial Gate</i>	EA	1	\$10,000.00	\$10,000.00
	<i>10' wide x 6' high Slide Gate</i>	EA	1	\$10,000.00	\$10,000.00
	<i>5' wide x 4'-6' high Slide Gate</i>	EA	3	\$6,000.00	\$18,000.00
	<i>5' wide x 3'-2' high Slide Gate</i>	EA	1	\$6,000.00	\$6,000.00
	<i>15" diameter Screw Gate</i>	EA	1	\$5,000.00	\$5,000.00
	<i>5' wide x 4' high Screw Gate</i>	EA	1	\$6,000.00	\$6,000.00
13	Metal Fabrication and Installation	Job	1	\$27,000.00	\$27,000.00
	<i>Subsidiary: Painting Metalwork</i>	Job	1	\$3,000.00	\$3,000.00
14	Automation and Uplooker flow sensor	Job	1	\$40,000.00	\$40,000.00
15	Pollution Control	Job	1	\$5,000.00	\$5,000.00
16	Contractor Quality Control	Job	1	\$15,000.00	\$15,000.00
<i>Subtotal</i>					\$1,521,000.00
<i>Construction Contingency (18%)(Rounded)</i>					\$279,000.00
TASK 3 TOTAL BID ESTIMATE				\$1,800,000.00	

Detailed Budget for Task 4: San Luis Valley Canal Implementation Project

Project Tasks	Total	Source of Funds		Total
		WSRA Grant (September 2017)	Landowners	
Headgate Replacement				
Remove and Dispose of Existing Headgate	\$ 7,500.00	\$ -	\$ 7,500.00	\$ 7,500.00
Water Removal	\$ 20,000.00	\$ -	\$ 20,000.00	\$ 20,000.00
Concrete and Steel Reinforcement	\$ 107,950.00	\$ 54,000.00	\$ 53,950.00	\$ 107,950.00
Water Control Gates	\$ 7,000.00	\$ -	\$ 7,000.00	\$ 7,000.00
Catwalk and Handrails	\$ 3,000.00	\$ -	\$ 3,000.00	\$ 3,000.00
Rock Sill in channel	\$ 20,000.00	\$ 20,000.00	\$ -	\$ 20,000.00
Channel Shaping and Riparian Restoration	\$ 22,500.00	\$ 22,500.00	\$ -	\$ 22,500.00
Automation	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00
Total Headgate Replacement	\$ 197,950.00	\$ 106,500.00	\$ 91,450.00	\$ 197,950.00
Trash Rack				
Steel Pipe Deflector	\$ 15,000.00	\$ -	\$ 15,000.00	\$ 15,000.00
Debris Removal Platform	\$ 5,000.00	\$ -	\$ 5,000.00	\$ 5,000.00
Rock Deflector	\$ 5,000.00	\$ -	\$ 5,000.00	\$ 5,000.00
Total Trash Rack	\$ 25,000.00	\$ -	\$ 25,000.00	\$ 25,000.00
Sluice				
Excavation for Sluice Channel	\$ 8,000.00	\$ 8,000.00	\$ -	\$ 8,000.00
Radial Gate Structure Concrete	\$ 62,050.00	\$ 31,000.00	\$ 31,050.00	\$ 62,050.00
Rock Rip Rap	\$ 9,000.00	\$ 9,000.00	\$ -	\$ 9,000.00
Earthfill	\$ 3,000.00	\$ 3,000.00	\$ -	\$ 3,000.00
Radial Gate	\$ 12,000.00	\$ 12,000.00	\$ -	\$ 12,000.00
Cat Walk for Radial Gate	\$ 1,000.00	\$ 1,000.00	\$ -	\$ 1,000.00
Total Sluice	\$ 95,050.00	\$ 64,000.00	\$ 31,050.00	\$ 95,050.00
Additional Costs				
Mobilization	\$ 10,000.00	\$ -	\$ 10,000.00	\$ 10,000.00
Construction Management	\$ 40,000.00	\$ 20,000.00	\$ 20,000.00	\$ 40,000.00
Construction Contingency (13%)	\$ 42,000.00	\$ 19,500.00	\$ 22,500.00	\$ 42,000.00
Total Additional Costs	\$ 92,000.00	\$ 39,500.00	\$ 52,500.00	\$ 92,000.00
TOTAL BUDGET FOR TASK 4	\$ 410,000.00	\$ 210,000.00	\$ 200,000.00	\$ 410,000.00
Percent of Project Cost		51%	49%	100%

SLV CANAL HEADGATE REPLACEMENT PROJECT

Construction Quantities and Cost Estimates

Item	Materials	Unit	Estimated Quantity	Cost per Unit	COST
Headgate					
1	Remove and Dispose of Existing Headgate	EA	1	\$7,500.00	\$7,500.00
2	Water Removal	LS	1	\$20,000.00	\$20,000.00
3	Concrete and Steel Reinforcement	CY	127	\$850.00	\$107,950.00
4	Water Control Gates	EA	4	\$1,750.00	\$7,000.00
5	Catwalks and Handrails	EA	1	\$3,000.00	\$3,000.00
6	Rock sill in channel	LS	1	\$20,000.00	\$20,000.00
7	Channel shaping and Riparian Restoration	CY	1875	\$12.00	\$22,500.00
8	Automation	LS	1	\$10,000.00	\$10,000.00
Trash Rack					
9	Steel Pipe Cap Welded with connectors	LS	1	\$15,000.00	\$15,000.00
10	Debris removal platform	EA	1	\$5,000.00	\$5,000.00
11	Rock Deflector	EA	1	\$5,000.00	\$5,000.00
Sluice					
12	Excavation for Sluice Channel	CY	800	\$10.00	\$8,000.00
13	Radial Gate Structure Concrete	CY	73	\$850.00	\$62,050.00
14	Rock Rip Rap	CY	100	\$90.00	\$9,000.00
15	Earthfill	CY	1000	\$3.00	\$3,000.00
14	Radial Gate	EA	1	\$12,000.00	\$12,000.00
15	Cat Walk for Radial Gate	EA	1	\$1,000.00	\$1,000.00
Additional Costs					
16	Mobilization	LS	1	\$10,000.00	\$10,000.00
19	Construction Management, Surveys and Quality Control	LS	1	\$40,000.00	\$40,000.00
<i>Subtotal</i>					\$368,000.00
<i>Construction Contengency (11%) (Rounded)</i>					\$42,000.00
TASK 4 TOTAL BID ESTIMATE					\$410,000.00

Detailed Budget for Task 5: Centennial Ditch Implementation Project

Project Tasks	Total	Source of Funds		Total
		WSRA Grant (September 2017)	Landowners	
Diversion Replacement				
Site Preparation: Includes subgrade prep, removal of the old structure, channel clearing and shaping, pollution control, and mobilization.	\$ 35,000.00	\$ 35,000.00	\$ -	\$ 35,000.00
Water Removal	\$ 55,000.00	\$ 55,000.00	\$ -	\$ 55,000.00
Construction and materials of new grouted rock diversion dam	\$ 283,000.00	\$ 83,000.00	\$ 200,000.00	\$ 283,000.00
Construction Contingency (15%)	\$ 55,000.00	\$ 25,000.00	\$ 30,000.00	\$ 55,000.00
Total Diversion Replacement	\$ 428,000.00	\$ 198,000.00	\$ 230,000.00	\$ 428,000.00
Channel Shaping and Streambank Stabilization				
Channel clearing and shaping	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 5,000.00
Revegetation: includes seeding, sprigging, and mulching disturbed sites	\$ 2,000.00	\$ 2,000.00	\$ -	\$ 2,000.00
Total Channel Shaping	\$ 7,000.00	\$ 7,000.00	\$ -	\$ 7,000.00
Additional Costs				
Construction Management, Surveys and Contractor Quality Control	\$ 40,000.00	\$ 40,000.00	\$ -	\$ 40,000.00
Total Monitoring	\$ 40,000.00	\$ 40,000.00	\$ -	\$ 40,000.00
TOTAL BUDGET FOR TASK 5	\$ 475,000.00	\$ 245,000.00	\$ 230,000.00	\$ 475,000.00
Percent of Project Cost		52%	48%	100%

CENTENNIAL DITCH DIVERSION REPLACEMENT PROJECT

Construction Quantities and Cost Estimates

Item	Materials	Unit	Estimated Quantity	Cost per Unit	COST
1	Large Rocks 4-5 ft	EA	400	\$140.00	\$56,000.00
2	Concrete	CY	160	\$180.00	\$28,800.00
3	Willow Transplants	EA	50	\$20.00	\$1,000.00
4	Large Rock Rip Rap Type VH	CY	280	\$60.00	\$16,800.00
5	Small Rock Rip Rap Type VL	CY	180	\$70.00	\$12,600.00
6	45 mil Geomembrane	SF	1200	\$2.50	\$3,000.00
Construction					
7	Remove and dispose of existing diversion	CY	250	\$50.00	\$12,500.00
8	Place concrete around large boulders	CY	160	\$225.00	\$36,000.00
9	Place large boulders with excavator with thumb	EA	400	\$140.00	\$56,000.00
10	Subgrade Prep	CY	250	\$10.00	\$2,500.00
11	Install Membrane	SF	1200	\$4.00	\$4,800.00
12	Install Rock Rip Rap	CY	460	\$50.00	\$23,000.00
13	Channel shaping up and downstream	CY	250	\$20.00	\$5,000.00
14	Water removal during construction	LS	1	\$55,000.00	\$55,000.00
15	Transplant willows	EA	50	\$20.00	\$1,000.00
16	Mobilization	LS	1	\$20,000.00	\$20,000.00
17	30'X2' Obermeyer Gate	SF	60	\$650.00	\$39,000.00
18	Install Obermeyer Gate	EA	1	\$7,000.00	\$7,000.00
19	Construction Management, Surveys and Quality Control	LS	1	\$40,000.00	\$40,000.00
<i>Subtotal</i>					\$420,000.00
<i>Construction Contingency (15%) (Rounded)</i>					\$55,000.00
TASK 5 TOTAL BID ESTIMATE					\$475,000.00

Detailed Budget for Task 6,7, & 8: Monitoring, Outreach and Education, and Project Administration

Project Tasks	Total	Source of Funds			Total	
		WSRA Basin Grant POGG1 2017-1000 (May 2017)	WSRA Grant (September 2017)	RGHRP In-Kind		
Task 6: Project Monitoring						
Field Personnel - RGHRP Personnel will coordinate and complete post-construction monitoring of Project sites. These hours include monitoring preparation, data collection, and data analysis at an average rate \$35 per hour	\$ 3,000.00	\$ -	\$ 2,000.00	\$ 1,000.00	\$ 3,000.00	
Field Volunteer to assist with monitoring	\$ 2,000.00	\$ -		\$ 2,000.00	\$ 2,000.00	
Total Diversion Replacement	\$ 5,000.00	\$ -	\$ 2,000.00	\$ 3,000.00	\$ 5,000.00	
TOTAL BUDGET FOR TASK 6		\$ 5,000.00	\$ -	\$ 2,000.00	\$ 3,000.00	\$ 5,000.00
Percent of Project Cost			0%	40%	60%	100%
Task 7: Outreach and Education						
Project Outreach and Education including press, tours, production of materials, and volunteer coordination by the RGHRP	\$ 6,000.00	\$ -	\$ 3,000.00	\$ 3,000.00	\$ 6,000.00	
Total Outreach and Education	\$ 6,000.00	\$ -	\$ 3,000.00	\$ 3,000.00	\$ 6,000.00	
TOTAL BUDGET FOR TASK 7		\$ 6,000.00	\$ -	\$ 3,000.00	\$ 3,000.00	\$ 6,000.00
Percent of Project Cost			0%	50%	50%	100%
Task 8: Project Management and Administration						
Cost for the RGHRP to administer and manage the project at an average rate \$35 per hour	\$ 84,000.00	\$ 14,000.00	\$ 70,000.00	\$ -	\$ 84,000.00	
Office Support In-kind Match (includes office space, materials, and utilities)	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	\$ 2,000.00	
Project Administration In-kind Match	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	\$ 2,000.00	
Total Project Management and Administration	\$ 84,000.00	\$ 14,000.00	\$ 70,000.00	\$ 4,000.00	\$ 88,000.00	
TOTAL BUDGET FOR TASK 8		\$ 84,000.00	\$ 14,000.00	\$ 70,000.00	\$ 4,000.00	\$ 88,000.00
Percent of Project Cost			17%	83%	5%	100%



Last Update: May 19, 2017

Budget and Schedule

Budget: This Statement of Work and Schedule shall be accompanied by a Budget ([link?](#)) that reflects the Tasks identified in the Statement of Work and Schedule and shall be submitted to CWCB in an excel format.

Schedule: This Statement of Work and Budget shall be accompanied by a Schedule ([link?](#)) that reflects the Tasks identified in the Statement of Work and Budget and shall be submitted to CWCB in an excel format.

Reporting Requirements

Reporting: The grantee shall provide their respective Roundtable(s) and the CWCB a Progress Report every 6 months, beginning from the date of executed contract. The Progress Report shall describe the status of the water activity, 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 to address these issues. The CWCB may withhold reimbursement until satisfactory Progress Reports have been submitted.

Final Deliverable: At the completion of the water activity, the grantee shall provide their respective Roundtable(s) and the CWCB a final report on the grantee's letterhead that:

- Summarizes the water activity and how the water activity was completed
- Describes any obstacles encountered, and how these obstacles were overcome
- Explains the Proposed Budget versus the Actual Budget
- Confirms that all matching commitments have been fulfilled
- Includes photographs, summaries of meeting and engineering reports/design, if appropriate

The CWCB will pay the last 10% of the entire water activity budget upon the receipt of the Final Report & must be completed to the satisfaction of CWCB staff. Once the Report has been accepted, & 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.