



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Today's Date: December 30, 2015

Purdy Mesa Dam Rehabilitation

Name of Water Activity/Project

City of Grand Junction Water Enterprise Fund

Name of Applicant

Gunnison

Amount from Statewide Account:

75,000

Amount from Basin Account(s):

25,000

Total WSRA Funds Requested:

100,000

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

FEIN:

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Required Exhibits

- A. Statement of Work, Budget, and Schedule
- B. Project Map
- C. As Needed (i.e. letters of support, photos, maps, etc.)

Appendices – Reference Material

- 1. Program Information
- 2. Insurance Requirements
- 3. WSRA Standard Contract Information (Required for Projects Over \$100,000)
- 4. W-9 Form (Required for All Projects Prior to Contracting)

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Instructions

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable **AND** the Colorado Water Conservation Board (CWCBC). The process for Basin Roundtable consideration and approval is outlined in materials in Appendix 1.

Once approved by the local Basin Roundtable, the applicant should submit this application **with a detailed statement of work including budget and schedule as Exhibit A** to CWCBC staff by the application deadline.

WSRA applications are due with the roundtable letter of support 60 calendar days prior to the bi-monthly Board meeting at which it will be considered. Board meetings are held in January, March, May, July, September, and November. Meeting details, including scheduled dates, agendas, etc. are posted on the CWCBC website at: <http://cwcb.state.co.us> Applications to the WSRA Basin Account are considered at every board meeting, while applications to the WSRA Statewide Account are only considered at the March and September board meetings.

When completing this application, the applicant should refer to the WSRA Criteria and Guidelines available at: <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Documents/WSRACriteriaGuidelines.pdf>. In addition, the applicant should also refer to the [Supplemental Scoring Matrix](#) applied to Evaluation Criteria Tiers 1-3 for Statewide Account requests .

The application, statement of work, budget, and schedule **must be submitted in electronic format** (Microsoft Word or text-enabled PDF are preferred) and can be emailed or mailed on a disk to:

Craig Godbout - WSRA Application
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203
Craig.godbout@state.co.us

If you have questions or need additional assistance, please contact Craig Godbout at: 303-866-3441 x3210 or craig.godbout@state.co.us.

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

1.	Applicant Name(s):	City of Grand Junction Water Enterprise Fund		
	Mailing address:	250 North 5 th Street Grand Junction, CO 81501		
	FEIN #:			
	Primary Contact:	Bret Guillory	Position/Title:	Utility Engineer
	Email:	bretg@gjcity.org		
	Phone Numbers:	Cell: 970-201-1341	Office:	970-244-1590
	Alternate Contact:	Rick Brinkman	Position/Title:	Water Manager
	Email:	rickbr@gjcity.org		
	Phone Numbers:	Cell: 970-640-8419	Office:	970-244-1429

2. Eligible entities for WSRA funds include the following. What type of entity is the Applicant?

- ☒ Public (Government) – municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities and the local entity should be the grant recipient. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
- ☐ Public (Districts) – authorities, Title 32/special districts, (conservancy, conservation, and irrigation districts), and water activity enterprises.
- ☐ Private Incorporated – mutual ditch companies, homeowners associations, corporations.
- ☐ Private individuals, partnerships, and sole proprietors are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
- ☐ Non-governmental organizations – broadly defined as any organization that is not part of the government.

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3. Provide a brief description of your organization

The City of Grand Junction is a municipal corporation created under the authority of Article XX of the Colorado State Constitution with our Charter being adopted September 14, 1909. It is a council/manager form of government.

The City of Grand Junction, under Tabor guidelines, created a Water Enterprise Fund to manage and operate the water system.

The Water Enterprise Fund is managed under direction of the Water Services Manager who reports to the Public Works Director, who reports to the City Manager.

Rick Brinkman, Water Services Manager, 333 West Avenue BLDG E, Grand Junction, Colorado, 81501

The water system has a service area of approximately 8.5 square miles and currently serves 27,100 customers through 9,500 taps. The service area and growth potential for new customers is non-existent due to being entirely surrounded by another water utility. Actual average growth rate for last five years has been 0.10%. The Water Enterprise Fund is wholly supported by water user fees.

The City owns and maintains a water treatment facility with a capacity of 16.0 million gallons per day with an average daily rate of 6.0 million gallons per day and a peak flow of 11.5 million gallons per day.

The City also owns and operates a vast raw water supply system that consists of 14 reservoirs, with twelve of these on top of Grand Mesa. These 12 reservoirs hold approximately 5,100 acre feet of water when full. The other two reservoirs are in the lower Kannah Creek drainage and are off channel reservoirs and have a capacity of 7,900 acre feet. The two lower terminal reservoirs will supply the City's municipal needs for approximately one year.

The reservoirs on top of the Grand Mesa are generally used for irrigation purposes on City owned land and other agricultural land within the basins. The City maintains in reserve a portion of the water in these reservoirs each year for use the following year in case of drought. This allots what is needed for City properties and if any excess water is available, it is then leased out to other ranchers in the basins.

4. If the Contracting Entity is different then the Applicant (Project Sponsor or Owner) please describe the Contracting Entity here.

Contracting entity is the applicant.

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5. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of the project funded by the WSRA grant. In order to expedite the contracting process the CWCB has established a standard contract with provisions the applicant must adhere to. A link to this standard contract is included in Appendix 3. Please review this contract and check the appropriate box.

☒

The Applicant will be able to contract with the CWCB using the Standard Contract

☐

The Applicant has reviewed the standard contract and has some questions/issues/concerns. Please be aware that any deviation from the standard contract could result in a significant delay between grant approval and the funds being available.

6. The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant.

None

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Part II. - Description of the Water Activity/Project

1. What is the primary purpose of this grant application? (Please check only one)

☐ Nonconsumptive (Environmental or Recreational)

☐ Agricultural

☒ Municipal/Industrial

☐ Needs Assessment

☐ Education

☐ Other Explain:

2. If you feel this project addresses multiple purposes please explain.

Hallenbeck No. 1 (aka Purdy Mesa) reservoir is primarily a municipal water supply, which provides drought protection to the City of Grand Junction.

In non-drought years the water is leased to area ranches for irrigation use.

The reservoir also provides for recreational use in the form of fishing. There is an ongoing fish management plan with Colorado Parks and Wildlife.

3. Is this project primarily a study or implementation of a water activity/project? (Please check only one)

☐ Study

☒ Implementation

4. To catalog measurable results achieved with WSRA funds can you provide any of the following numbers?

New Storage Created (acre-feet)

New Annual Water Supplies Developed, Consumptive or Nonconsumptive (acre-feet)

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

Length of Pipe/Canal Built or Improved (linear feet)

Efficiency Savings (acre-feet/year OR dollars/year – **circle one**)

Area of Restored or Preserved Habitat (acres)

Other -- Explain:

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

Latitude:

38.968702

Longitude:

-108.294573

5. Please provide an overview/summary of the proposed water activity (no more than one page). Include a description of the overall water activity and specifically what the WSRA funding will be used for. A full **Statement of Work** with a detailed budget and schedule is required as **Exhibit A** of this application.

Hallenbeck No. 1, State Engineers Office Dam ID 420125, is a high hazard dam. The structure is 1,000 feet long, 40.5 feet high, with a dam crest width of 16 feet. The dam crest is at elevation 5,642 NAVD 88. Normal reservoir storage is 699.4 acre feet.

This project is being completed to mitigate a structural failure on the downstream slope of the Hallenbeck No. 1 Dam that occurred during fill of the reservoir on June 10, 2014. URS (AECOM) was hired in 2014 to complete a forensics evaluation of the dam to determine what may have caused a crack to appear on the downstream face of the dam, and make suggestions for mitigation of the failure. It was determined that the crack was the result of slip plane failure of previous fill material that had been placed on the downstream face.

The City of Grand Junction Water Department then contracted with AECOM in 2015 to design a mitigation project to correct the failure condition. The project will include installation of a blanket filter, new toe drain system, and buttress along the downstream slope of the dam. AECOM is currently completing final design for the mitigation project that is planned for summer of 2016, pending review and approval from the State Engineers Office.

WSRA Grant funding will be used for construction of the project. The City of Grand Junction Water department will be pursuing a loan through CWCB and the Water Project Loan Program for the balance of the project cost.

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Part III. – Threshold and Evaluation Criteria

1. Describe how the water activity meets these **Threshold Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)
 - a) The water activity is consistent with Section 37-75-102 Colorado Revised Statutes.¹

This project does not supersede, abrogate or otherwise impair the current water allocation system within Colorado because there is already an existing conditional storage decree for this reservoir.

- b) The water activity underwent an evaluation and approval process and was approved by the Basin Roundtable (BRT) and the application includes a description of the results of the BRTs evaluation and approval of the activity. At a minimum, the description must include the level of agreement reached by the roundtable, including any minority opinion(s) if there was not general agreement for the activity. The description must also include reasons why general agreement was not reached (if it was not), including who opposed the activity and why they opposed it. Note- If this information is included in the letter from the roundtable chair simply reference that letter.

The project will reviewed by the Selection Committee of the Gunnison Basin Roundtable and then by the full Roundtable at their February 2016 meeting.

¹ 37-75-102. Water rights - protections. (1) It is the policy of the General Assembly that the current system of allocating water within Colorado shall not be superseded, abrogated, or otherwise impaired by this article. Nothing in this article shall be interpreted to repeal or in any manner amend the existing water rights adjudication system. The General Assembly affirms the state constitution's recognition of water rights as a private usufructuary property right, and this article is not intended to restrict the ability of the holder of a water right to use or to dispose of that water right in any manner permitted under Colorado law. (2) The General Assembly affirms the protections for contractual and property rights recognized by the contract and takings protections under the state constitution and related statutes. This article shall not be implemented in any way that would diminish, impair, or cause injury to any property or contractual right created by intergovernmental agreements, contracts, stipulations among parties to water cases, terms and conditions in water decrees, or any other similar document related to the allocation or use of water. This article shall not be construed to supersede, abrogate, or cause injury to vested water rights or decreed conditional water rights. The General Assembly affirms that this article does not impair, limit, or otherwise affect the rights of persons or entities to enter into agreements, contracts, or memoranda of understanding with other persons or entities relating to the appropriation, movement, or use of water under other provisions of law.

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- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.² The Basin Roundtable Chairs shall include in their approval letters for particular WSRA grant applications a description of how the water activity will assist in meeting the water supply needs identified in the basin roundtable's consumptive and/or non-consumptive needs assessments.

The Gunnison River Basin has completed a needs assessment for both non-consumptive and consumptive water supply needs. This project will help meet some of the current and future rural water needs in the Kannah Creek drainage along with reducing the vulnerability to drought for the Grand Junction municipal water supply.

- d) Matching Requirement: For requests from the **Statewide Fund**, the applicants will be required to demonstrate a **25 percent** (or greater) match of the total grant request from the other sources, including by not limited to Basin Funds. A minimum match of 5% of the total grant amount shall be from Basin funds. A minimum match of 5% of the total grant amount must come from the applicant or 3rd party sources. Sources of matching funds include but are not limited to Basin Funds, in-kind services, funding from other sources, and/or direct cash match. Past expenditures directly related to the project may be considered as matching funds if the expenditures occurred within 9 months of the date the contract or purchase order between the applicant and the State of Colorado is executed. Please describe the source(s) of matching funds. (NOTE: These matching funds should also be reflected in your Detailed Budget in **Exhibit A** of this application)

The City of Grand Junction Water Department has already completed a forensics evaluation of the dam to determine what caused the structural failure. Cost of this investigation was \$55,212. The engineering design report and construction plans and specifications are currently at 95% and are expected to be complete by January 2016. Cost incurred by the Water Department for design is \$71,258 (estimated).

This grant application of \$100,000 will have matching funds of \$927,312 included to meet anticipated construction costs for this mitigation project. The City will be providing matching funds through a loan from CWCB via the Water Project Loan Program.

² 37-75-104 (2)(c). Using data and information from the Statewide Water Supply Initiative and other appropriate sources and in cooperation with the on-going Statewide Water Supply Initiative, develop a basin-wide consumptive and nonconsumptive water supply needs assessment, conduct an analysis of available unappropriated waters within the basin, and propose projects or methods, both structural and nonstructural, for meeting those needs and utilizing those unappropriated waters where appropriate. Basin Roundtables shall actively seek the input and advice of affected local governments, water providers, and other interested stakeholders and persons in establishing its needs assessment, and shall propose projects or methods for meeting those needs. Recommendations from this assessment shall be forwarded to the Interbasin Compact Committee and other basin roundtables for analysis and consideration after the General Assembly has approved the Interbasin Compact Charter.

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2. For Applications that include a request for funds from the **Statewide Account**, describe how the water activity/project meets all applicable **Evaluation Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines and repeated below.) Projects will be assessed on how well they meet the Evaluation Criteria. **Please attach additional pages as necessary.**

Evaluation Criteria – the following criteria will be utilized to further evaluate the merits of the water activity proposed for funding from the Statewide Account. In evaluation of proposed water activities, preference will be given to projects that meet one or more criteria from each of the three “tiers” or categories. Each “tier” is grouped in level of importance. For instance, projects that meet Tier 1 criteria will outweigh projects that only meet Tier 3 criteria. The applicant should also refer to the Supplemental Scoring Matrix applied to Evaluation Criteria Tiers 1-3 for Statewide Account requests. WSRA grant requests for projects that may qualify for loans through the CWCB loan program will receive preference in the Statewide Evaluation Criteria if the grant request is part of a CWCB loan/WSRA grant package. For these CWCB loan/WSRA grant packages, the applicant must have a CWCB loan/WSRA grant ratio of 1:1 or higher. Preference will be given to those with a higher loan/grant ratio.

Tier 1: Promoting Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs

- a. The water activity addresses multiple needs or issues, including consumptive and/or non-consumptive needs, or the needs and issues of multiple interests or multiple basins. This can be demonstrated by obtaining letters of support from other basin roundtables (in addition to an approval letter from the sponsoring basin).
- b. The number and types of entities represented in the application and the degree to which the activity will promote cooperation and collaboration among traditional consumptive water interests and/or non-consumptive interests, and if applicable, the degree to which the water activity is effective in addressing intrabasin or interbasin needs or issues.
- c. The water activity helps implement projects and processes identified as helping meet Colorado’s future water needs, and/or addresses the gap areas between available water supply and future need as identified in SWSI or a roundtable’s basin-wide water needs assessment.

Tier 2: Facilitating Water Activity Implementation

- d. Funding from this Account will reduce the uncertainty that the water activity will be implemented. For this criterion the applicant should discuss how receiving funding from the Account will make a significant difference in the implementation of the water activity (i.e., how will receiving funding enable the water activity to move forward or the inability obtaining funding elsewhere).
- e. The amount of matching funds provided by the applicant via direct contributions, demonstrable in-kind contributions, and/or other sources demonstrates a significant & appropriate commitment to the project.

Tier 3: The Water Activity Addresses Other Issues of Statewide Value and Maximizes Benefits

- f. The water activity helps sustain agriculture & open space, or meets environmental or recreational needs.
- g. The water activity assists in the administration of compact-entitled waters or addresses problems related to compact entitled waters and compact compliance and the degree to which the activity promotes maximum utilization of state waters.

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- h. The water activity assists in the recovery of threatened and endangered wildlife species or Colorado State species of concern.
- i. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.
- j. The water activity is complimentary to or assists in the implementation of other CWCB programs.

Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.

Please attach additional pages as necessary.

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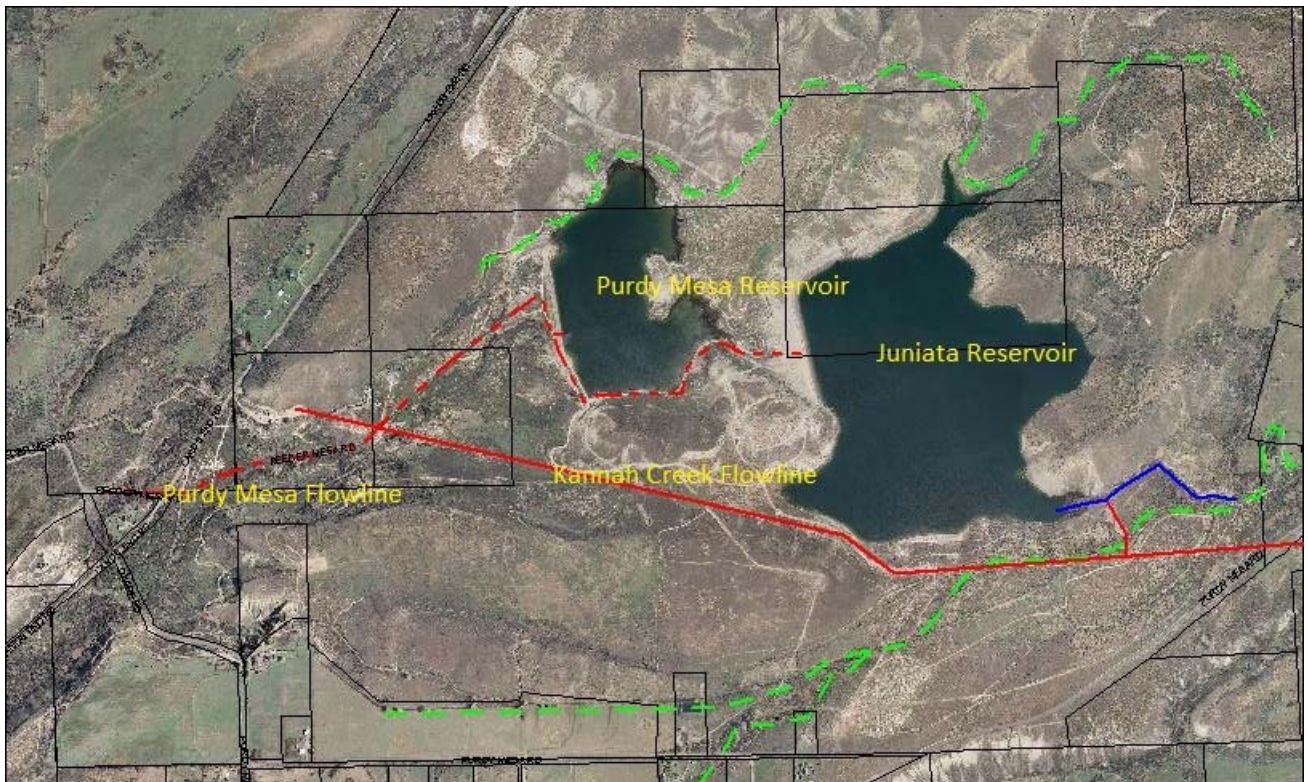
Part IV. – Required Supporting Material

1. **Water Rights, Availability, and Sustainability** – This information is needed to assess the viability of the water project or activity. Please provide a description of the water supply source to be utilized, or the water body to be affected by, the water activity. This should include a description of applicable water rights, and water rights issues, and the name/location of water bodies affected by the water activity.

Reservoir Storage Decrees

Structure	Decree Amount	Units	Use	Status	Adjudication Date	Appropriation Date
Hallenbeck Reservoir #1 aka Purdy Mesa	863.1	af	I	Absolute	07/25/1941	09/01/1939
	659	af	M	Conditional	12/31/1993	12/15/1993

Purdy Mesa Reservoir is fed by Juniata Reservoir and is used primarily as a supplemental feed reservoir for irrigation water for downstream lessees of irrigation water and also provides critical drought supply water for the City of Grand Junction municipal uses. Normal operating procedures for Purdy Mesa Reservoir are to fill the reservoir during the winter months with the goal of having it full by April 1st. During average to above average water years the water is leased out to downstream ranchers for irrigation use. In cooperation with Colorado Parks and Wildlife the City tries to maintain a minimum pool of 200 acre feet in the reservoir year round to provide habitat and warm water public fishing opportunities.



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

None

3. Statement of Work, Detailed Budget, and Project Schedule

The statement of work will form the basis for the contract between the Applicant and the State of Colorado. In short, the Applicant is agreeing to undertake the work for the compensation outlined in the statement of work and budget, and in return, the State of Colorado is receiving the deliverables/products specified. **Please note that costs incurred prior to execution of a contract or purchase order are not subject to reimbursement.** All WSRA funds are disbursed on a reimbursement basis after review invoices and appropriate backup material.

Please provide a detailed statement of work using the template in Exhibit A. Additional sections or modifications may be included as necessary. Please define all acronyms and include page numbers.

REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion of the tasks identified in the statement of work including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

PAYMENT

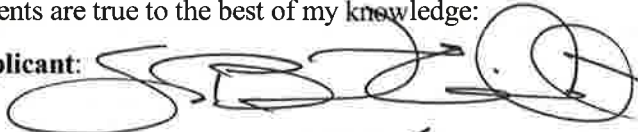
Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 10 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.

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

Signature of Applicant:



Print Applicant's Name:

S. BRET GUTIERREZ, P.E.

Project Title:

PURDY MESA DAM REHABILITATION

Date:

2/9/16

Return an electronic version (hardcopy may also be submitted) of this application to:

Craig Godbout – WSRA Application
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203
303-866-3441, ext. 3210 (office)
303-547-8061 (cell)
craig.godbout@state.co.us