

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
May 21-22, 2014
Agenda Item 23(k)

Applicant: Fort Lewis College

Water Activity Name: Rehabilitation of the Old Fort at Hesperus Water System

Water Activity Purpose: M&I

County: La Platte

Drainage Basin: Southwest

Water Source: Lory Spring (Groundwater Under the Direct Influence of Surface Water)

Amount Requested: \$25,000

Source of Funds: \$25,000 Southwest Basin Account

Matching Funds: \$94,103 (79%) of total project costs (\$119,103) matched by applicant and 3rd parties (refer to *Funding Overview/Match Summary*)

Staff Recommendation
Staff recommends conditional approval (subject to satisfaction of additional clarification as identified in the <i>Issues/Additional Needs</i> section of this summary) of up to \$25,000 from the Southwest Basin Account to assist in the funding of the project titled: <i>Rehabilitation of the Old Fort at Hesperus Water System</i>

Water Activity Summary: The current water system was built over 50 years ago to serve the student and employee populations of Fort Lewis College campus at Hesperus. Once the college moved to Durango, the property became a resource for community activities including research and education. The water system is need of major upgrades and rehabilitation. The water source is the Lory Spring and is considered Groundwater Under the Direct Influence of Surface Water which requires direct filtration and disinfection. The project proposes to rehabilitate the old system by upgrading electrical system, replacing the current pressure tank, installing up to date chlorination system, cartridge filtration equipment and upgrading safety issues in the building. Funds obtained from the CWCB and the Southwest Basin Roundtable (SBR) will be used to purchase the chlorination system, monitoring equipment and assist with installation of the pressure tank

Discussion:

No additional discussion is needed

Issues/Additional Needs:

Staff requires additional clarification regarding the budgetary breakdown and totals as presented in the current Application and Statement of Work, Budget, and Schedule.

Funding Overview/Matching Funds

	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
WSRA Southwest Basin Account	\$25,000	n/a	\$25,000
Southwestern Water Conservation District	\$49,103	\$0	\$49,103
Colorado State Land Board	\$20,000	\$0	\$20,000
Fort Lewis College	<u>\$25,000</u>	<u>\$0</u>	<u>\$25,000</u>
Total Project Costs	\$119,103	\$0	\$119,103

Staff Recommendation:

Staff recommends conditional approval (subject to satisfaction of additional clarification as identified in the *Issues/Additional Needs* section of this summary) of up to \$25,000 from the Southwest Basin Account to assist in the funding of the project titled: *Rehabilitation of the Old Fort at Hesperus Water System*.

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

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

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

SOUTHWEST BASINS ROUNDTABLE

Michael Preston, Chair

c/o Dolores Water Conservancy District

P.O. Box 1150

Cortez, Colorado 81321

970-565-7562

March 17, 2014

Mr. Craig Godbout
Water Supply Management Section
Colorado Water Conservation Board
1580 Logan Street, Suite 600
Denver, Colorado 80203

SUBJECT: Rehabilitation of Old Fort as Hesperus Water System - \$25,000 from Basin Account

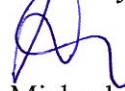
Dear Mr. Godbout:

The Southwest Basin Roundtable is pleased to recommend funding of \$25,000 from the Southwest Basin Account for Rehabilitation of Old Fort at Hesperus Water System. The application was considered in detail and approved at the March 12, 2014 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present.

The proposed project is a Southwest Basin Roundtable IPP. The Old Fort site was the Fort Lewis College (A&M) Campus until it moved 50 years ago. Since that time, it has served as a resource for community activities, research and education with use levels that require improvements in the water system. The site is owned by the State Land Board and operated by Fort Lewis College. The Basin Fund approval is for \$25,000 for a project with a total cost of \$119,000 which is being matched by SWCD, State Land Board, and Fort Lewis College.

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicant directly or me at 970-565-7562, mpreston@frontier.net, if you have questions or wish to discuss this application in more detail.

Sincerely,



Michael Preston

Southwest Basin Roundtable Chair

STATE OF COLORADO

John W. Hickenlooper, Governor
Christopher E. Urbina, MD, MPH
Executive Director and Chief Medical Officer

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S. Laboratory Services Division
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Located in Glendale, Colorado (303) 692-3090

<http://www.cdphe.state.co.us>



Colorado Department
of Public Health
and Environment

July 2, 2013

PWSID CO0234579
Old Fort Lewis
ATTN: Beth Lashell
118683 Hwy 140
Hesperus, CO 81326

RE: Old Fort Lewis, CO0234579, La Plata County

Dear Ms. Lashell:

The Water Quality Control Division is in receipt of information, certifying that the Old Fort Lewis ("the system") serves fewer than 25 people per day. According to the Colorado Primary Drinking Water Regulations, Old Fort Lewis is considered a non-public water system.

If at any time the system begins to serve 25 or more persons per day for at least 60 days of the year, or 15 service connections, this office must be notified. Please visit our website for more information:

www.colorado.gov/cdphe/wqcd

Although the system is not required to perform water sampling, we are suggesting that samples are collected and analyzed for total coliform, nitrate and nitrite contamination by a certified laboratory to assure the safety of the water.

For your convenience a list of certified laboratories is available on the Division's website or by contacting the Laboratory Services Division at 303-692-3048.

If you have questions, please contact me at (303)691-4084 or electronically at Kaitlyn.Minich@state.co.us.

Please be advised, if this water system is supplying water to the public as part of its operation, such as a restaurant, child care, or school, then providing safe water and treatment methods may be required under additional applicable regulations. For more information on regulations pertaining to these operations, visit <http://www.cdphe.state.co.us/cp> or contact your local health department.

Sincerely,

A handwritten signature in black ink, appearing to be 'KMinich', written in a cursive style.

Kaitlyn Minich, Compliance Technician
Compliance Assurance Monitoring and Enforcement
Water Quality Control Division

cc: DW File

ec: La Plata County Health Department
Engineering Section, CDPHE



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Today's Date: 1/27/2014

Rehabilitation of the Old Fort at Hesperus Water System

Name of Water Activity/Project

Fort Lewis College

Name of Applicant

Southwest Basin
Roundtable

Amount from Statewide Account:

\$0

Amount from Basin Account(s):

\$25,000

Total WSRA Funds Requested:

\$25,000

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

FEIN: 846000556

Application Content

Application Instructions	page 2
Part I – Description of the Applicant	page 3
Part II – Description of the Water Activity	page 5
Part III – Threshold and Evaluation Criteria	page 7
Part IV – Required Supporting Material	
Water Rights, Availability, and Sustainability	page 10
Related Studies	page 10
Signature Page	page 12

Required Exhibits

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

Appendices – Reference Material

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

Water Supply Reserve Account – Application Form

Revised October 2013

Instructions

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

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

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

When completing this application, the applicant should refer to the WSRA Criteria and Guidelines available at: <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Documents/WSRACriteriaGuidelines.pdf>

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
1580 Logan Street, Suite 200
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.

Water Supply Reserve Account – Application Form

Revised October 2013

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

1.	Applicant Name(s):	Fort Lewis College		
	Mailing address:	1000 Rim Drive Durango, CO 81301		
	FEIN #:	846000556		
	Primary Contact:	Beth LaShell	Position/Title:	Old Fort Coordinator
	Email:	Lashell_b@fortlewis.edu		
	Phone Numbers:	Cell: 970-759-1387	Office:	970-385-4574
	Alternate Contact:	Steve Schwartz	Position/Title:	VP; Finance & Admin
	Email:	Schwartz_s@fortlewis.edu		
	Phone Numbers:	Cell:	Office:	970-247-7196

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

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

Water Supply Reserve Account – Application Form

Revised October 2013

3. Provide a brief description of your organization

Fort Lewis College (FLC) is named for Fort Lewis, a U.S. Army Post established in 1878 at Pagosa Springs, Colorado. Two years later, the military post was moved to Hesperus, Colorado, a location more central to Indian settlements and pioneer communities in the early 1890's. In 1911, Congress deeded the Hesperus site to the State of Colorado, which then established a high school of agriculture under the supervision of the State Board of Agriculture. The school began to offer some college-level courses in 1925; by 1933, Fort Lewis College offered higher education courses exclusively.

In 1956, FLC moved to Durango leaving Colorado State University (CSU) on the property. While CSU was operating their Agricultural Experiment Station, they allowed FLC students and staff access to the resource for education and research. In 2002, Fort Lewis College became independent and separated from the State Board of Agriculture. In 2010 when CSU closed the San Juan Basin Research Center, Fort Lewis College and the State Land Board (SLB) began working together on the future and purpose of the property. Since then, they have signed a memorandum of agreement outlining their relationship as asset owner (SLB) and beneficiary (FLC) that outlines responsibilities and processes for operations on the property. In 2013, FLC and the SLB signed a memorandum of understanding naming Fort Lewis College as an agent for the Land Board for the rehabilitation of the water system (attached).

The State Land Board also has leases with Southwest Conservation Corp (base camp), Cugnini Land & Cattle (grazing), Elk Research Institute (grazing) and verbal agreements with Mesa Verde Helitak and Fort Lewis Mesa Fire Department. The Old Fort at Hesperus is seen as a community resource and is also used by Cub Scouts, 4-H groups, Colorado Parks and Wildlife, Forest Service, and Cooperative Extension. Current users purchase bottled water or haul water in coolers from Durango to meet their potable water needs. Upgrading the potable water is imperative to both community and educational uses for the Old Fort at Hesperus.

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

N/A

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

☐

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

☒

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

The standard contract contains indemnification language that Fort Lewis College can not sign. Because our grant is less than \$100,000 a purchase order will be used instead of the standard contract. Grants with other state agencies have also been completed using Intergovernmental Agreements that do not contain indemnification clauses.

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

Water Supply Reserve Account – Application Form

Revised October 2013

Part II. - Description of the Water Activity/Project

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

☐ Nonconsumptive (Environmental or Recreational)

☐ Agricultural

☒ Municipal/Industrial

☐ Needs Assessment

☐ Education

☐ Other Explain:

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

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

☐ Study

☒ Implementation

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

New Storage Created (acre-feet)

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

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

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

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

Area of Restored or Preserved Habitat (acres)

Other -- Explain:

Water Supply Reserve Account – Application Form

Revised October 2013

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

Latitude:

N 37° 13' 30.9"

Longitude:

W 108° 10' 51.1"

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.

The current water system was put in place in the 1950s to serve the 400 plus population at Fort Lewis College's campus in Hesperus. In addition to supplying domestic water it was also used for fire protection so the system was very large (25 hp pumps). Once FLC moved to Durango in 1956, daily usage and maintenance decreased. In 1983-84, fire hydrants and irrigation lines were installed throughout the main campus area using the large reservoir on the North end of the property as the source. This allowed smaller pumps (7.5 hp) to be installed. The potable water lines to the buildings were also upgraded at this time.

Since 2010, Fort Lewis College in partnership with the State Land Board has commissioned infrastructure assessments, water source evaluation, and costs estimate that are being used to develop design plans. The latest cost estimates used in this proposal were provided by Russell in January, 2014. Final design plans will be completed this Spring so that the project can go out to bid in late May. With our state bid and award process, the earliest date for construction to begin would be July 1, 2014.

This complete project proposes to rehabilitate the old system by upgrading electrical system, replacing the current pressure tank, installing up to date chlorination system, cartridge filtration equipment, monitoring system and upgrading safety issues in the building. Funds obtained from the Southwest Basin Roundtable (SBR) will be used to purchase the chlorination system, monitoring equipment and assist with installation of the pressure tank. Because of the state-mandated engineering, extensive electrical upgrades and lead time needed for some of the equipment, funds from other sources will be used to pay for these preliminary items.

Summary of current funding sources and designated uses:

SWCD:	\$49,103 (engineering, electrical upgrades and installation of equipment)
State Land Board:	\$20,000 (filtration system, pressure tanks)
Fort Lewis College	\$25,000 (electrical, code compliance, safety issues, in-kind staff time, installation)
WSRA Request:	\$25,000
Total:	\$119,103

Water Supply Reserve Account – Application Form

Revised October 2013

Part III. – Threshold and Evaluation Criteria

1. Describe how the water activity meets these **Threshold Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)

- a) The water activity is consistent with Section 37-75-102 Colorado Revised Statutes.¹

The current system of allocating water within Colorado shall not be superseded, abrogated, or otherwise impaired by this project. Nothing in this project shall be interpreted to repeal or in any manner amend the existing water rights adjudication system. It 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.

This project 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. Furthermore, it shall not be construed to supersede, abrogate, or cause injury to vested water rights or decreed conditional water rights. And lastly, this project 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.

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

The Coordinator of the Old Fort at Hesperus presented a concept plan for the rehabilitation of the water system at the January 8, 2014 meeting of the Southwest Basin Roundtable meeting. After answering questions, we were asked to submit a full proposal for the March meeting. Additionally, the project was added to the local IPP list in January.

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.

Water Supply Reserve Account – Application Form

Revised October 2013

- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.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.

This project is consistent with and in compliance with Section 37--75-104(2), Colorado Revised Statutes which relates to the Statewide Water Supply Initiative (SWSI). With input and advice from affected local government, water providers, and other interested stakeholders, the SBR has been conducting an ongoing SWSI-required needs assessment since approximately 2006/2007. This project was placed on their identified projects and processes (IPP) list.

SBR chair, Mike Preston's, approval letter for the water supply reserve account application, will include a description of how this project helps meet the water supply needs identified in the SBR's consumptive needs assessment. Final approval for the funding project will occur at the March 12, 2014 Southwest Basin Roundtable meeting.

- 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 application was submitted to the CWCB. 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)

NA- Basin Account funding only

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.

Water Supply Reserve Account – Application Form

Revised October 2013

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

NA- Basin Account funding only

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. WSRA grant requests for projects that may qualify for loans through the CWCB loan program will receive preference in the Statewide Evaluation Criteria if the grant request is part of a CWCB loan/WSRA grant package. For these CWCB loan/WSRA grant packages, the applicant must have a CWCB loan/WSRA grant ratio of 1:1 or higher. Preference will be given to those with a higher loan/grant ratio.

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

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

Tier 2: Facilitating Water Activity Implementation

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

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

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

Water Supply Reserve Account – Application Form

Revised October 2013

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

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

Please attach additional pages as necessary.

NA- Basin Account Funding Only

Water Supply Reserve Account – Application Form

Revised October 2013

Part IV. – Required Supporting Material

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

The Colorado State Board of Land Commissioners owns the following water rights from the La Plata River, in the County of La Plata, State of Colorado for use on the Old Fort at Hesperus property:

Name	Decreed Amount	Court Case(s)	Adj. Date	Appro. Date
Hay Gulch Ditch	2.625 cfs	CA0807	1898	1888
Hay Gulch Ditch	2 cfs	CA0807	1898/1919	1889
			transferred from Parrott Ditch	
Ammons Ditch	2 cfs	CA0807-B	1914	1896
Ammons Ditch	4 cfs	CA-0807-B/ CA3446	1914/1922	1882
			transferred from Alfalfa Ditch	
*Lory Spring Ditch	1 cfs	CA-0807-B	1914	1882
Taylor Spring Ditch	1 cfs	CA-0807-B	1914	1882
Spring Gulch Ditch	1 cfs	CA-0807-B	1915/1966	1945

Water from this project will come from the Lory Spring. The adjudicated flow provides adequate water to meet the calculated 2000 gallon per day usage. In the early 1950s a 300 yard collection line was placed north of the existing pump house (**top right corner of Figure 1 map attached to proposal**). It is buried approximately 5 feet below the surface. The collected water is diverted into a metal weir where it is measured before being placed in a storage clearwell. Water not needed by the cistern is diverted back to the ditch.

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

Fort Lewis College serves as an agent for the State Land Board and began working on this project in 2010 by contracting Goff Engineering to do a complete infrastructure assessment. It was completed in April, 2011 and concluded the water distribution system to the buildings was in good shape but the chlorination system was not working and significant electrical upgrades would be needed. In 2012, Russell Engineering prepared a summary of the system including water tests and cost estimates for various options to upgrade the system (**attached**). On-site meetings were held in October, 2013 to evaluate building and electrical upgrades and have Russell Engineering under contract to develop design plans.

Water Supply Reserve Account – Application Form

Revised October 2013

The water source is the Lory Spring and is considered Groundwater Under the Direct Influence of Surface Water (GWUDI) which requires direct filtration and disinfection. Drilling a well for drinking water is not compatible with the existing water rights so we have chosen to rehabilitate the current system. The June, 2012 report from Russell Engineering indicated that the system would be a public. However, when we submitted our usage reports to CDPHE and completed a population certificate indicating that our system does not serve 25 or more people for more than 60 days per year, they determined that the system is non-public and will not require a certified operator and additional monitoring (see attached letter). However, since the ultimate usages of the property are still unknown, the system designed by Russell Engineering includes approved equipment that could be upgraded to a public system in the future. Chlorination, filtration and storage equipment will be purchased from the approved list provided by CDPHE.

3. Statement of Work, Detailed Budget, and Project Schedule (see attached Exhibit A document)

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 5 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.

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

Signature of Applicant:



Print Applicant's Name: Beth LaShell

Project Title: Rehabilitation of the Old Fort at Hesperus Water System

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

Craig Godbout – WSRA Application
Colorado Water Conservation Board
1580 Logan Street, Suite 200
Denver, CO 80203
craig.godbout@state.co.us

Exhibit A
Statement of Work

WATER ACTIVITY NAME – Rehabilitation of the Old Fort at Hesperus Water System

GRANT RECIPIENT – Fort Lewis College

FUNDING SOURCE – Southwest Basin Roundtable with matching funds from Fort Lewis College, State Land Board and SouthWestern Water Conservation District

INTRODUCTION AND BACKGROUND

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

The current water system was built over 50 years ago to serve the student and employee populations of Fort Lewis College campus at Hesperus. Once the college moved to Durango, the property became a resource for community activities including research and education. The water system is in need of major upgrades and rehabilitation. The water source is the Lory Spring and is considered Groundwater Under the Direct Influence of Surface Water which requires direct filtration and disinfection. The project proposes to rehabilitate the old system by upgrading electrical system, replacing the current pressure tank, installing up to date chlorination system, cartridge filtration equipment and upgrading safety issues in the building.

OBJECTIVES

List the objectives of the project

- Upgrade chlorination system
- Install pressure tank
- Purchase and install monitoring equipment

TASKS

TASK 1 – Install chlorination system equipment

Description of Task

- Obtain chlorination equipment for installation by contractor

Method/Procedure

- Use design plans to identify appropriate equipment to be installed
 - Chlorination injector system between filter and pressure tank
 - Sealed chlorine tanks to reduce chlorine gas issues
 - Chlorine analyzer installed in water line
- Provide equipment to contractor for installation
- Contractor will connect chlorination equipment to system

Deliverable

- Operational chlorination system

TASK 2- Install pressure tank system

Description of Task

- Obtain pressure tank system for installation by contractor using matching funds
- Connect pressure tank to rehabilitated system

Method/Procedure

- Use design plans to identify appropriate equipment to be installed
 - 528 gallon tank for 175-200 gallons of storage
- Provide equipment to contractor for installation
- Contractor will install pressure tank

Deliverable

- Operational pressure tank system connected to new system

TASK 3 – Purchase and install monitoring equipment

Description of Task

- Obtain necessary telemetry equipment to allow long distance monitoring of system
- Install turbidity meter to monitor water quality

Method/Procedure

- Use design plans to identify appropriate telemetry equipment
- Purchase telemetry equipment and turbidity meter
- Provide equipment to contractor for installation

Deliverable

- Functioning monitoring system

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.

BUDGET

Provide a detailed budget by task including number of hours and rates for labor and unit costs for other direct costs (i.e. mileage, \$/unit of material for construction, etc.). A detailed and perfectly balanced budget that shows all costs is required for the State's contracting and purchase order processes. Sample budget tables are provided below. Please note that these budget tables are examples and will need to be adapted to fit each individual application. Tasks should correspond to the tasks described above.

Total Costs				
	Labor	Other Direct Costs	Matching Funds (If Applicable)	Total Project Costs
Task 1 - Install chlorination system equipment	\$2500			\$2500
Task 2 - Install pressure tank system	\$6000			\$6000
Task 3 - Install monitoring equipment	\$1500			\$1500
In-Kind Contributions				
Total Costs:	\$10,000		\$0	\$10,000

Other Direct Costs						
Item:	Copies	Materials	Equipment/ Supplies	Mileage		Total
Units: Unit Cost:	No.			Miles		
Task 1 – Install chlorination system equipment		Plumbing-\$500	Injector-\$3600 Tank- \$800 Analyzer- \$2,800			\$7,700
Task 2 - Install pressure tank system		Plumbing-\$500			528 gallon tank: \$8,600	\$9,100
Task 3 - Install monitoring equipment		Plumbing-\$100	Telemetry: \$4,000 Turbidity Meter: \$2,700			\$6,800
Total Units:						
Total Cost:		\$1100	\$13,900		\$8,600	\$23,600

SCHEDULE

Provide a project schedule including key milestones for each task and the completion dates or time period from the Notice to Proceed (NTP). This dating method allows flexibility in the event of potential delays from the procurement process. Sample schedules are provided below. Please note that these schedules are examples and will need to be adapted to fit each individual application.

Rehabilitation of Water System at the Old Fort at Hesperus

Task	Start Date	Finish Date
1	Upon NTP	NTP + 90 days
2	Upon NTP	NTP + 90 days
3	Upon NTP	NTP + 90 days

NTP = Notice to Proceed

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 5 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.

Appendix 1

Reference Information

The following information is available via the internet. The reference information provides additional detail and background information.

- Water Supply Reserve Account main webpage:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/main.aspx>
- Water Supply Reserve Account – Basin Fund Application Details:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx>
- Water Supply Reserve Account – Statewide Fund Application Details:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/StatewideWaterSupplyReserveAccountGrants.aspx>
- Colorado Water Conservation Board main website:
 - <http://cwcb.state.co.us/>
- Interbasin Compact Committee and Basin Roundtables:
 - <http://cwcb.state.co.us/about-us/about-the-ibcc-brts/Pages/main.aspx/Templates/BasinHome.aspx>
- House Bill 05-1177 – (Also known as the Water for the 21st Century Act):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=105662&searchhandle=28318>
- House Bill 06-1400 – (Adopted the Interbasin Compact Committee Charter):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=21291&searchhandle=12911>
- Senate Bill 06-179 – (Created the Water Supply Reserve Account):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=21379&searchhandle=12911>
- Statewide Water Supply Initiative 2010:
 - <http://cwcb.state.co.us/water-management/water-supply-planning/Pages/SWSI2010.aspx>

Appendix 2

Insurance Requirements

NOTE: The following insurance requirements taken from the standard contract apply to WSRA projects that exceed \$25,000 in accordance with the policies of the State Controller's Office. Proof of insurance as stated below is necessary prior to the execution of a contract.

13. INSURANCE

Grantee and its Sub-grantees shall obtain and maintain insurance as specified in this section at all times during the term of this Grant: All policies evidencing the insurance coverage required hereunder shall be issued by insurance companies satisfactory to Grantee and the State.

A. Grantee

i. Public Entities

If Grantee is a "public entity" within the meaning of the Colorado Governmental Immunity Act, CRS §24-10-101, et seq., as amended (the "GIA"), then Grantee shall maintain at all times during the term of this Grant such liability insurance, by commercial policy or self-insurance, as is necessary to meet its liabilities under the GIA. Grantee shall show proof of such insurance satisfactory to the State, if requested by the State. Grantee shall require each Grant with Sub-grantees that are public entities, providing Goods or Services hereunder, to include the insurance requirements necessary to meet Sub-grantee's liabilities under the GIA.

ii. Non-Public Entities

If Grantee is not a "public entity" within the meaning of the GIA, Grantee shall obtain and maintain during the term of this Grant insurance coverage and policies meeting the same requirements set forth in §13(B) with respect to sub-Grantees that are not "public entities".

B. Sub-Grantees

Grantee shall require each Grant with Sub-grantees, other than those that are public entities, providing Goods or Services in connection with this Grant, to include insurance requirements substantially similar to the following:

i. Worker's Compensation

Worker's Compensation Insurance as required by State statute, and Employer's Liability Insurance covering all of Grantee and Sub-grantee employees acting within the course and scope of their employment.

ii. General Liability

Commercial General Liability Insurance written on ISO occurrence form CG 00 01 10/93 or equivalent, covering premises operations, fire damage, independent Grantees, products and completed operations, blanket Grantual liability, personal injury, and advertising liability with minimum limits as follows: (a) \$1,000,000 each occurrence; (b) \$1,000,000 general aggregate; (c) \$1,000,000 products and completed operations aggregate; and (d) \$50,000 any one fire. If any aggregate limit is reduced below \$1,000,000 because of claims made or paid, Sub-grantee shall immediately obtain additional insurance to restore the full aggregate limit and furnish to Grantee a certificate or other document satisfactory to Grantee showing compliance with this provision.

iii. 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.

iv. Additional Insured

Grantee and the State shall be named as additional insured on the Commercial General Liability and Automobile Liability Insurance policies (leases and construction Grants require additional insured coverage for completed operations on endorsements CG 2010 11/85, CG 2037, or equivalent).

v. Primacy of Coverage

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

vi. Cancellation

The above insurance policies shall include provisions preventing cancellation or non-renewal without at least 45 days prior notice to the Grantee and the State by certified mail.

vii. Subrogation Waiver

All insurance policies in any way related to this Grant and secured and maintained by Grantee or its Sub-grantees as required herein 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.

C. Certificates

Grantee and all Sub-grantees shall provide certificates showing insurance coverage required hereunder to the State within seven business days of the Effective Date of this Grant. No later than 15 days prior to the expiration date of any such coverage, Grantee and each Sub-grantee shall deliver to the State or Grantee certificates of insurance evidencing renewals thereof. In addition, upon request by the State at any other time during the term of this Grant or any sub-grant, Grantee and each Sub-grantee shall, within 10 days of such request, supply to the State evidence satisfactory to the State of compliance with the provisions of this **§13**.

Appendix 3

Water Supply Reserve Account Standard Contract Information

NOTE: The standard contract is required for WSRA projects that exceed \$100,000. (Projects under this amount will normally be funded through a purchase order process.) Applicants are encouraged to review the standard contract to understand the terms and conditions required by the State in the event a WSRA grant is awarded. Significant changes to the standard contract require approval of the State Controller's Office and often prolong the contracting process.

It should also be noted that grant funds to be used for the purchase of real property (e.g. water rights, land, conservation easements, etc.) will require additional review and approval. In such cases applicants should expect the grant contracting process to take approximately 3 to 6 months from the date of CWCB approval.

The standard contract is available here under the header "Additional Resources" on the right side:

<http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx>

Appendix 4

W-9 Form

NOTE: A completed W-9 form is required for all WSRA projects prior execution of a contract or purchase order. Please submit this form with the completed application.



NOTES:
1. LINES INSTALLED IN 1984
2. CAMPUS POTABLE WATER
MAINS ARE TYPICALLY 4".
3. WATER SERVICE TO LIBRARY
IS 2". OTHER BUILDING
SERVICES ARE TYPICALLY 3/4".

PLAN

SCALE: 1" = 200' (11x17)

SCALE: 1" = 100' (24x36)

200' 100' 50' 0 100'

CALL UNCC
TWO WORKING DAYS
BEFORE YOU DIG
1-800-922-1987
UTILITY NOTIFICATION
CENTER OF COLORADO

REVISIONS:

FORT LEWIS COLLEGE - OLD FORT AT
HESPERUS

Russell Planning &
Engineering, Inc.
Civil Engineering Services
934 Main Avenue, Unit C
Durango, Colorado 81301
Phone: (970) 385-4546
Fax: (970) 385-4502

Drawn: _____
Drafted: _____
Checked: _____

Date of Submittal
06/21/2012

1 OF 1

FIG 1

FIGURE 1 -
WATER SYSTEM SITE PLAN

Plotted: 6/25/2012 3:48 PM Plot Style: HALF.STB Plotted By: KELLY FEARNEY