

**Water Supply Reserve Fund
Water Activity Summary Sheet
March 21, 2019
Agenda Item 24(s)**

Applicant & Grantee: Mountain Studies Institute, on behalf of Forests to Faucets team

Water Activity Name: Forests to Faucets (F2F): My Water Comes from the San Juan Mountains Teacher Training Workshop Series

Water Activity Purpose: Education & Outreach Implementation

County: La Plata, Archuleta, Dolores

Drainage Basin: Southwest

Water Source: n/a

Amount Requested: \$17,500 Southwest Basin Account

Matching Funds: Applicant Match (cash & in-kind) = \$67,826

- 387% of the Basin Account request (meets 25% min)
- 79% of the total project cost of \$85,326

Staff Recommendation:

Staff recommends approval of up to \$17,500 from the Southwest Basin Account to help fund the project titled: Forests to Faucets (F2F): My Water Comes from the San Juan Mountains Teacher Training Workshop Series.

Water Activity Summary: WSRF grant funds, if approved, will support the Forests to Faucets Teacher Training Workshop Series for three years (2019-2021) to train 15-20 teachers about the importance and interconnection of healthy watersheds to area water supplies through a two-day field-based course and educational tour. The Forests to Faucets team includes San Juan Mountains Association, Fort Lewis College, and the Water Information Program. The training empowers educators to include place-based watershed education in their lesson plans and engage 300-500 students each year to think critically about Colorado's water issues. This workshop is appropriate for teachers of K-12 classrooms and rotates each year between the Animas/San Juan River watershed (Durango and Silverton), the Upper San Juan watershed (Pagosa Springs), and the Dolores River watershed (Dolores and Cortez).

Each participating teacher will graduate with a copy of the My Water teacher guide and book and each school will receive a My Water kit which contains materials to complete activities in the teacher guide. The workshop offers graduate/continuing education credit from Adams State University, helping to grow the credentials of our local teachers. The long-term goal of regularly providing this workshop is to build teachers' capacity for teaching watershed science across the region by providing place-specific knowledge and activities that can easily be integrated in science, math, and social studies curricula.

Discussion: As described in the Southwest basin roundtable (BRT) chair's recommendation letter, this project was supported and recommended for approval by the roundtable on January 9, 2019. The training program addresses the Southwest Basin Plan *Goal A4* to promote dialogue, foster

cooperation and resolved conflict among water users in every basin by preparing teachers to educate young people on the fundamentals of water, along with direct exposure to water facilities and watersheds. The Forest-to-Faucets education partnership contributes to Southwest Conservation District's and the Southwest Basin Roundtable's Education Action Plan priority to provide water education for constituents in the region.

In addition, this project assists in satisfying Colorado's Water Plan Critical Goals and Actions as identified in *Chapter 10.3, H. Education, Outreach, and Innovation* for K-12 education. Educators that attend the Forests to Faucets program are introduced to lessons regarding municipal water use, land management implication for water quality, agricultural practices and irrigation, and impacts of drought. These lessons serve to foster an informed public for generations to come.

Issues/Additional Needs: Staff will work with the applicant to ensure all potential funding sources are secured before contracting.

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Summary / Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-Kind</u>	<u>Total</u>	<u>Pending</u>
Mountain Studies Institute	\$12,774	\$8,556	\$21,330	Secured
Fort Lewis College	\$1,500	\$1,500	\$3,000	Secured
Southwestern Water Conservancy District	\$5,000	\$0	\$5,000	Secured
US Forest Service, Rocky Mountain Region	\$6,000	\$0	\$6,000	Pending
Water Information Program	\$10,866	\$150	\$11,016	Secured
San Juan Mountains Association	\$0	\$4,680	\$4,680	Secured
Expert speakers, various partners	\$0	\$16,800	\$16,800	Secured
Sub-total	\$36,140	\$31,686	\$67,826	
WSRF Southwest Basin Account	\$17,500	n/a	\$17,500	
Totals	\$53,640	\$31,686	\$85,326	

CWCB Project Manager: Megan Holcomb

SOUTHWEST BASINS ROUNDTABLE

Michael Preston, Chair

c/o Dolores Water Conservancy District

P.O. Box 1150

Cortez, Colorado 81321

970-565-7562

January 17, 2019

Megan Holcomb

Water Supply Management Section

Colorado Water Conservation Board

1580 Logan Street, Suite 600

Denver, Colorado 80203

SUBJECT: Forests to Faucets Teacher Training Workshop Series - \$17,500 from the Southwest Basin Fund

Dear Megan:

The Southwest Basin Roundtable has approved funding in the amount of \$17,500 from the Southwest Basin Fund for the Forests to Faucets Teacher Training Workshop Series, Administered by Mountain Studies Institute on behalf of a multi-party Training Group. The application was considered in detail at the January 9, 2019 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present.

The Forests to Faucets Teacher Training Program is part of the Southwest Basin Roundtable Education Action Plan. The Program also addresses BIP Goal A4: Promote dialogue, foster cooperation and resolve conflict among water users in every basin, by preparing teachers to educate young people on the fundamentals of water and provide direct exposure to water facilities and watersheds as part of the educational process. The Teacher Training Program is rotated year by year among the Southwest Sub-basins.

The Teacher Training Program aligns with Colorado Water Plan Goal 9.5: Outreach, Education and Public Engagement.

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

Last Update: July 31, 2018

Colorado Water Conservation Board
Water Supply Reserve Fund Grant Application

Instructions

All WSRF grant applications shall conform to the current [2016 WSRF Criteria and Guidelines](#).

To receive funding from the WSRF, a proposed water activity must be approved by a Roundtable(s) **AND** the Colorado Water Conservation Board (CWCB). The process for Roundtable consideration and recommendation is outlined in the 2016 WSRF Criteria and Guidelines. The CWCB meets bimonthly according to the schedule on page 2 of this application.

If you have questions, please contact the current CWCB staff Roundtable liaison:

Arkansas Ben Wade ben.wade@state.co.us 303-866-3441 x3238	Gunnison North Platte South Platte Yampa/White Craig Godbout craig.godbout@state.co.us 303-866-3441 x3210	Colorado Metro Rio Grande Southwest Megan Holcomb megan.holcomb@state.co.us 303-866-3441 x3222
-------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

WSRF Submittal Checklist (Required)

X	I acknowledge this request was recommended for CWCB approval by the sponsoring roundtable.
X	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines .
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾
Application Documents	
X	Exhibit A: Statement of Work ⁽²⁾ (<i>Word – see Template</i>)
X	Exhibit B: Budget & Schedule ⁽²⁾ (<i>Excel Spreadsheet – see Template</i>)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
	Map ⁽²⁾
X	Photos/Drawings/Reports
X	Letters of Support
Contracting Documents⁽³⁾	
	Detailed/Itemized Budget ⁽³⁾ (<i>Excel Spreadsheet – see Template</i>)
	Certificate of Insurance ⁽⁴⁾ (<i>General, Auto, & Workers' Comp.</i>)
	Certificate of Good Standing ⁽⁴⁾
	W-9 Form ⁽⁴⁾
	Independent Contractor Form ⁽⁴⁾ (<i>If applicant is individual, not company/organization</i>)
	Electronic Funds Transfer (ETF) Form ⁽⁴⁾

(1) Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting

(2) Required with application if applicable.

(3) Additional documentation providing a Detailed/Itemized Budget maybe required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

(4) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

Last Update: July 31, 2018

Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	December 1	Basin Account; BIP
March	February 1	Basin/Statewide Account; BIP
May	April 1	Basin Account; BIP
July	June 1	Basin Account; BIP
September	August 1	Basin/Statewide Account; BIP
November	October 1	Basin Account/BIP

Desired Timeline	
Desired CWCB Hearing Month:	March
Desired Notice to Proceed Date:	April 15, 2019

Water Activity Summary		
Name of Applicant	Mountain Studies Institute, on behalf of the Forests to Faucets team	
Name of Water Activity	<i>Forests to Faucets (F2F): My Water Comes from the San Juan Mountains Teacher Training Workshop Series</i>	
Approving Roundtable(s)	Basin Account Request(s) ⁽¹⁾	
Southwest Basin	\$17,500.00	
Basin Account Request Subtotal	\$17,500.00	
Statewide Account Request ⁽¹⁾	\$0	
Total WSRF Funds Requested (Basin & Statewide)	\$17,500.00	
Total Project Costs	\$85,326.00	

(1) Please indicate the amount recommended for approval by the Roundtable(s)

Grantee and Applicant Information	
Name of Grantee(s)	Mountain Studies Institute, on behalf of the Forests to Faucets team
Mailing Address	679 East 2 nd Ave, Suite 8; Durango, CO 81301
FEIN	73-1644103
Grantee's Organization Contact ⁽¹⁾	Marcie Bidwell



Last Update: July 31, 2018

Grantee and Applicant Information	
Position/Title	Executive Director
Email	marcie@mountainstudies.org
Phone	(970) 387-5161
Grant Management Contact ⁽²⁾	Amanda Kuenzi
Position/Title	Community Science Director
Email	amanda@mountainstudies.org
Phone	(970) 387-5161
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

(1) Person with signatory authority

(2) Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
The Forest to Faucets (F2F) Team is comprised of Mountain Studies Institute (MSI), San Juan Mountains Association (SJMA), Fort Lewis College (FLC), and the Water Information Program (WIP). This team has been working together since 2012 to bring the Forests to Faucets: My Water Comes from the San Juan Mountains Teacher Training Workshop Series to the educators of Southwest Colorado.

Type of Eligible Entity (check one)	
	Public (Government): municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. 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.
X	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)



Last Update: July 31, 2018

	Study
X	Implementation

Category of Water Activity (check all that apply)		
	Nonconsumptive (Environmental)	
	Nonconsumptive (Recreational)	
	Agricultural	
	Municipal/Industrial	
	Needs Assessment	
X	Education & Outreach	
	Other	Explain:

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	La Plata, Archuleta, Dolores
Latitude	NA
Longitude	NA

Water Activity Overview
Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, area of habitat improvements. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.

Last Update: July 31, 2018

Water Activity Overview

Mountain Studies Institute (MSI, lead applicant) is requesting funding for the 2019-2021 *Forests to Faucets: My Water Comes from the San Juan Mountains Teacher Training Workshop Series*, on behalf the entire Forests to Faucets team, which includes San Juan Mountains Association (SJMA), Fort Lewis College (FLC), and the Water Information Program (WIP). The next three years of workshops will meet the need of training teachers in place-based water education, reaching 15-20 educators each year, who in turn will reach 300-500 students each year.

We will build off the successful workshops conducted in June 2012 through 2018, and a classroom-based demonstration project in 2015. The 2019 workshop will return to the Animas watershed, to bring awareness to the complex issues intertwined with post-wildfire impacts to our watershed, river ecology, forest health, and water management. This focus is timely, as the Durango and Silverton areas are impacted by the 416 Fire. In 2020, the workshop will return to the Upper San Juan watershed. In 2021, we will return to the Dolores watershed, completing the 3-watershed cycle. We will draw educators from the communities of Bayfield, Cortez, Dove Creek, Durango, Ignacio, Mancos, Pagosa Springs, Rico, Silverton, Telluride, and other surrounding areas within Colorado.

Measurable Results

To catalog measurable results achieved with WSRF funds please provide any of the following values.

	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Length of Pipe/Canal Built or Improved	
X	Other	Explain: 15-20 Educators will be trained each year, impacting 300-500 students per year

Water Activity Justification

h

Last Update: July 31, 2018

Water Activity Justification

The Forests to Faucets program meets the **Colorado's Water Plan Goal 9.5:**

"K-12 Education: Water providers across the state administer several K-12 programs. All of these programs use education and outreach to help address specific water supply issues, many of them aimed at educating the public on how to reduce municipal and agricultural water use. Other numerous water conservancy district efforts reach thousands of students each year at children's water festivals and special initiatives within area school districts."

One example is Project Wet (Water Education for Teachers), which is "a national program that trains Colorado teachers how to educate their students about water." The Forests to Faucets program uses Project WET curriculum, as well as unique, original lessons designed for the southwest region.

Southwest Basin Implementation Plan

The Forest-to-Faucets education partnership contributes to the Southwest Basin Roundtable's Education Action Plan priority to provide water education for constituents in the region (Southwest Basin's Public Education, Participation, and Outreach Implementation Plan).

This project meets the Southwest Basin Implementation Plan's (BIP) Goal A4: "Promote dialogue, foster cooperation and resolve conflict among water interests in every basin and between basins for the purpose of implementing solutions to Southwest Colorado's and Colorado's water supply challenges (SWSI 2010)" by supporting watershed education for young water users. Educators that attend the Forests to Faucets program are introduced to lessons regarding municipal water use, land management implication for water quality, agricultural practices and irrigation, and impacts of drought. These lessons serve to foster an informed public for generations to come.

(1) Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.

Matching Requirements: Basin Account Requests

Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3rd party and shall be accompanied by a **letter of commitment** as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind)
Mountain Studies Institute	\$12,774, cash, committed (\$4,258 annually)
Water Information Program	\$10,866, cash, committed (\$3,622 annually)
Fort Lewis College	\$1500, cash, committed (\$500 annually)
Southwest Water Conservation District	\$5000, cash, (\$3000 requested 2019, \$2000 request in 2020)
US Forest Service, Rocky Mountain Region	\$6000, cash, requested for 2019
Mountain Studies Institute	\$8,556, In kind (\$2,852 annually)
Water Information Program	\$150, In kind (\$50 annually)
San Juan Mountains Association	\$4,680, In kind (\$1,560 annually)
Fort Lewis College	\$1500, In kind (\$500 annually)
Expert speakers, various partners	\$16,800, In kind (\$5,600 annually)



Last Update: July 31, 2018

Matching Requirements: Basin Account Requests	
Total Match	\$67,826
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Matching Requirements: Statewide Account Requests	
Statewide Account grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3 rd party) and shall be accompanied by a letter of commitment . Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
Total Match	\$
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

Related Studies
Please provide a list of any related studies, including if the water activity is complimentary to or assists in the implementation of other CWCB programs.
With serious and impending water issues looming, water education is needed in all sectors to promote an appreciation and awareness of the <i>value</i> of water (Raucer, 2005). According to Pacific Oaks College (POC) "Teacher education programs offer teachers ways to keep their classrooms and curriculum fresh, exciting, and highly educational" (2016, para. 1). Additional benefits for educators include learning new methods to incorporate Next Generation Science Standards (National Research Council, 2012) to better motivate students with place-based, hands-on watershed activities. If students better understand the subject material because it is taught with more engaging and interactive methods, overall learning is enhanced. Furthermore, when learning experiences leverage the power of place, students and teachers are more likely to develop deeper, more meaningful understandings of local water quality and quantity issues.
National Research Council. (2012). A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas. Committee on a Conceptual Framework for New K-12 Science Education Standards. Board on Science Education, Division of Behavioral and Social Sciences and Education. Washington, DC: The National Academies Press.
Pacific Oaks College (POC). (2016). <i>Benefits of teacher education training</i> . Retrieved from http://www.pacificoaks.edu/Resource_Room/Benefits_of_Teacher_Education_Programs
Raucer, B. (2005). The value of water: What it means, why it's important, and how water utility managers can use it. <i>American Water Works Association Journal</i> , 7(4). 90-98.

Previous CWCB Grants
List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee.

Last Update: July 31, 2018

Previous CWCB Grants

Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order

CWCP IPCP 2016- 1) Applicant: Mountain Studies Institute (MSI), **2) Water Activity Name:** Invasive Phreatophyte Control Program: Animas River Invasive Species Removal Program Phase I, **3) Approving RT:** Southwest Basin Roundtable, **4) SWBRT date:** November 13, 2015; **CWCB date:** April 2016; , **5) Contract number:** CTGG1 PDAA 2016-1860, **6) Percentage of Award:** The total award was \$195,000, which was 44% of our total project cost. **Completion date:** April 2018

WSRF 2017-Nov) Applicant: Mountain Studies Institute (MSI); **2) Project Name:** San Juan Headwaters Stream Management Plan Phase I; **3) Approving RT:** Southwest Basin Round Table; **4) CWCB Date:** April 2018; **5) Contract number :** TBD **6) Completion Date:** December 2019

WSRF 2017-1) Applicant: Mountain Studies Institute (MSI); **2) Project Name:** Animas River Community Forum in the Southwest Basin, Phase II; **3) Approving RT:** Southwest Basin Round Table; **4) CWCB Date:** July 2017; **5) Contract number :** CTGG1 2018-201, POGG1 PDAA 201800000201, **6) Completion Date:** April 2018

WSRF 2017-1) Applicant: Mountain Studies Institute (MSI); **2) Project Name:** Animas River Community Forum, Phase II; **3) Approving RT:** Southwest Basin Round Table; **4) CWCB Date:** April 2016; **5) Contract number:** POGG1 2016-794, POGG1 PDAA 2016000000000000794, **6) Completion Date:** September 2017

Colorado Water Plan 2018-1) Applicant: Mountain Studies Institute (MSI); **2) Project Name:**, Animas River Removal and Replacement of Invasive Phreatophytes, Phase II; **3) Approving RT:** Southwest Basin Round Table; **4) CWCB Date:** May 2018; **5) Contract number:** POGG1, PDAA, 201900002100, **6) Completion Date:** August 2023

Colorado Water Plan- Innovation Fund 2018-1) Applicant: Mountain Studies Institute (MSI); **2) Project Name:** Silverton Science & Innovation Center (SSINC); **3) Approving RT:** Southwest Basin Round Table; **4) CWCB Date:** Nov 2018; **5) Contract number:** Pending, **6) Completion Date:** 2020

Tax Payer Bill of Rights

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.

NA



Last Update: January 9, 2018

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	January 2, 2019
Water Activity Name:	<i>Forests to Faucets (F2F): My Water Comes from the San Juan Mountains Teacher Training Workshop Series</i>
Grant Recipient:	Mountain Studies Institute
Funding Source:	Southwest Basin
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 purpose of the Forests to Faucets Teacher Training Workshop Series is to train 15-20 teachers about the importance and interconnection of healthy watersheds to area water supplies through a two-day field-based course, including an educational tour. The training empowers educators to include place-based watershed education in their lesson plans and engage students to think critically about Colorado's water issues. This workshop is appropriate for teachers of K-12 classrooms and rotates each year between the Animas/San Juan River watershed (Durango and Silverton), the Upper San Juan watershed (Pagosa Springs), and the Dolores River watershed (Dolores and Cortez). The Forest-to-Faucets education partnership contributes to Southwest Conservation District's and Southwest Basin Roundtable's Education Action Plan priority to provide water education for constituents in the region (Southwest Basin's Public Education, Participation, and Outreach Implementation Plan).</p>	
Objectives: (List the objectives of the project)	
<p>The objectives of the Forests to Faucets: My Water Comes from the San Juan Mountains Teacher Training Workshop Series include:</p> <ul style="list-style-type: none">• Train 15-20 teachers about the importance and interconnection of healthy watersheds to area water supplies through a two-day field-based course, including an educational tour• Each participating teacher will graduate with a copy of the <i>My Water</i> teacher guide and book and each school will receive a My Water kit which contains materials to complete activities in the teacher guide.• Upon integration of the curriculum into their classrooms, it is estimated that these teachers will bring watershed science to an additional 300-450 students per year.• Additionally, the workshop will offer graduate credit (in the form of continuing education credit) from Adams State University, helping to grow the credentials of our local teachers.• The long-term goal of regularly providing this workshop is to build teachers' capacity for teaching watershed science across the region by providing place-specific knowledge and activities that can easily be integrated in science, math, and social studies curricula.	

Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 – 2019 Teacher Training Workshop: Animas/San Juan River Watershed</u>
Description of Task:
<p>The F2F Team will design a two-day workshop to explore issues within the Animas/San Juan River Watershed with activities based in and around the Durango and Silverton areas, to bring awareness to the complex issues intertwined with post-wildfire impacts to our watershed, river ecology, forest health, and water management. This focus is timely, as the Durango and Silverton areas are still dealing with the impacts from the 416 Fire in summer, 2018.</p>
Method/Procedure:
<p>The F2F team will spend time in winter/spring 2019 to work with area land and water managers to assemble a host of speakers to meet with the educators during the summer workshop. We will also choose locations for the field tours to illustrate the concepts of the workshop. These locations will serve as example field trips that teachers may later bring students to experience.</p> <p>In spring 2019, the F2F team will do a “practice run” to ensure access points to all locations for the field trips. F2F team members will recruit educators from the communities of Bayfield, Cortez, Dove Creek, Durango, Ignacio, Mancos, Pagosa Springs, Rico, Silverton, Telluride, and other surrounding areas within Colorado. The F2F team will order all equipment needed for the teacher kits, assemble the kits, assemble lesson packets, create thumb drives of all teacher materials, finalize the agenda, and prepare all materials for the June workshop.</p> <p>At the conclusion of the workshop, teachers will fill out a written evaluation of the workshop. The following fall, the F2F team will follow up with all participants to see how the lessons are being used in their classrooms. A final report, including all teacher feedback and examples of the F2F materials being used in the classroom, will be compiled.</p> <p>An example agenda for the Animas/San Juan River watershed workshop is included in the attachments.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
<p>The F2F team expects to hold a successful workshop with 15-20 educators attending. We expect to receive positive feedback from written evaluations, as evidenced in past workshops. Additionally, we will create an incentive for participants to report on the use of the F2F materials in the classroom by returning each participants deposit for the workshop after they have turned in their impact report to our team.</p>
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)



Last Update: January 9, 2018

Tasks

The F2F team will provide a report of the workshop outcomes, which will include teacher feedback, as well as photos/videos, and written descriptions from teachers about the use of the F2F materials in their classroom. We will report the annual impacts of the program.

Tasks

Provide a detailed description of each task using the following format:

Task 2 – 2020 Teacher Training Workshop: Upper San Juan River Watershed

Description of Task:

The F2F Team will design a two-day workshop to explore issues within the Upper San Juan River Watershed with activities based in and around the Pagosa Springs area. The workshop will be tailored to the current and pertinent issues impacting the region. In the past, the F2F has worked closely with the Pagosa Area Water and Sanitation District to explore municipal water needs, as well as Pagosa Land Company to learn about innovations in fuel mitigation.

Method/Procedure:

The F2F team will spend time in winter/spring 2020 to work with area land and water managers to assemble a host of speakers to meet with the educators during the summer workshop. We will also choose locations for the field tours to illustrate the concepts of the workshop. These locations will serve as example field trips that teachers may later bring students to experience.

In spring 2020, the F2F team will do a “practice run” to ensure access points to all locations for the field trips. F2F team members will recruit educators from the communities of Bayfield, Cortez, Dove Creek, Durango, Ignacio, Mancos, Pagosa Springs, Rico, Silverton, Telluride, and other surrounding areas within Colorado. The F2F team will order all equipment needed for the teacher kits, assemble the kits, assemble lesson packets, create thumb drives of all teacher materials, finalize the agenda, and prepare all materials for the June workshop.

At the conclusion of the workshop, teachers will fill out a written evaluation of the workshop. The following fall, the F2F team will follow up with all participants to see how the lessons are being used in their classrooms. A final report, including all teacher feedback and examples of the F2F materials being used in the classroom, will be compiled.

An example agenda for the Upper San Juan River watershed workshop is included in the attachments.

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)



Last Update: January 9, 2018

Tasks
The F2F team expects to hold a successful workshop with 15-20 educators attending. We expect to receive positive feedback from written evaluations, as evidenced in past workshops. Additionally, we will create an incentive for participants to report on the use of the F2F materials in the classroom by returning each participants deposit for the workshop after they have turned in their impact report to our team.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
The F2F team will provide a report of the workshop outcomes, which will include teacher feedback, as well as photos/videos, and written descriptions from teachers about the use of the F2F materials in their classroom. We will report the annual impacts of the program.

Tasks
Provide a detailed description of each task using the following format:
Task 3 – 2021 Teacher Training Workshop: Dolores River Watershed
Description of Task:
The F2F Team will design a two-day workshop to explore issues within the Dolores River Watershed with activities based in and around the Dolores/Cortez area. The workshop will be tailored to the current and pertinent issues impacting the region. In past years, the F2F team has worked with the Dolores Water Conservancy District to explore the extensive irrigation systems needed for agriculture in the region, and with the US Forest Service to explore the unique hydrology of the Dolores watershed.
Method/Procedure:
The F2F team will spend time in winter/spring 2021 to work with area land and water managers to assemble a host of speakers to meet with the educators during the summer workshop. We will also choose locations for the field tours to illustrate the concepts of the workshop. These locations will serve as example field trips that teachers may later bring students to experience.
In spring 2021, the F2F team will do a “practice run” to ensure access points to all locations for the field trips. F2F team members will recruit educators from the communities of Bayfield, Cortez, Dove Creek, Durango, Ignacio, Mancos, Pagosa Springs, Rico, Silverton, Telluride, and other surrounding areas within Colorado. The F2F team will order all equipment needed for the teacher kits, assemble the kits, assemble lesson packets, create thumb drives of all teacher materials, finalize the agenda, and prepare all materials for the June workshop.
At the conclusion of the workshop, teachers will fill out a written evaluation of the workshop. The following fall, the F2F team will follow up with all participants to see how the lessons are being used in their classrooms. A final report, including all teacher feedback and examples of the F2F materials being used in the classroom, will be compiled.



Last Update: January 9, 2018

Tasks

An example agenda for the Dolores River watershed workshop is included in the attachments.

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

The F2F team expects to hold a successful workshop with 15-20 educators attending. We expect to receive positive feedback from written evaluations, as evidenced in past workshops. Additionally, we will create an incentive for participants to report on the use of the F2F materials in the classroom by returning each participants deposit for the workshop after they have turned in their impact report to our team.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

The F2F team will provide a report of the workshop outcomes, which will include teacher feedback, as well as photos/videos, and written descriptions from teachers about the use of the F2F materials in their classroom. We will report the annual impacts of the program.

Budget and Schedule

Exhibit B - Budget and Schedule: This Statement of Work shall be accompanied by a combined [Budget and Schedule](#) that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format. A separate excel formatted Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements

Progress Reports: The grantee shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

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

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

Last Update: January 9, 2018

Reporting Requirements
Payments
<p>Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.</p> <p>The CWCB will pay the last 10% of the <u>entire</u> water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.</p>
Performance Requirements
<p>Performance measures for this contract shall include the following:</p> <p>(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Grant Guidelines, the CWCB will pay out the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.</p> <p>(b) Accountability: Per the Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per the Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.</p> <p>(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.</p> <p>(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.</p>



COLORADO

Colorado Water Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs

Date: January 2, 2019

Water Activity Name: Forests to Faucets (F2F): My Water Comes from the San Juan Mountains Teacher Training Workshop Series

Grantee Name: Mountain Studies Institute

Task No. ⁽¹⁾	Description	Start Date ⁽²⁾	End Date	Matching Funds (cash & in-kind)⁽³⁾	WSRF Funds (Basin & Statewide combined)⁽³⁾	Total
1	2019 Teacher Training Workshop: Animas/San Juan River Watershed	March 2019	December 2019	\$24,900	\$2,500	\$27,400
2	2020 Teacher Training Workshop: Upper San Juan River Watershed	January 2020	December 2020	\$21,400	\$6,500	\$27,900
3	2021 Teacher Training Workshop: Dolores River Watershed	January 2021	December 2021	\$21,400	\$8,500	\$29,900
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
Total				\$67,700	\$17,500	\$85,200

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

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

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

- Additional documentation providing a Detailed/Itemized Budget may be required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

- Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)
- NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal signed State Agreement.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.

- Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution
- Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.



841 East Second Avenue
Durango, CO 81301
(970) 247-1302

December 27, 2017

Megan Holcomb, Colorado Water Conservation Board
Michael Preston, Southwest Basin Roundtable

Re: Forests to Faucets (F2F): My Water Comes from the San Juan Mountains Teacher Training Workshop
Series Proposal, Letters of Commitment

Dear Megan Holcomb and Michael Preston,

The purpose of this letter is to confirm matching contributions and commitments on behalf of Mountain Studies Institute and our partners. The Water Information Program is offering an annual cash match contribution of \$3,622.00, which includes labor costs for the WIP Coordinator, travel, and food costs for the workshop. Additionally, WIP provides in-kind contributions, estimated at \$50 for printing and office use. The funds will support the planning, preparation, coordination, and facilitation of the Teacher Training Workshop. This workshop will be held annually, with the planning period occurring from February through June, and the workshop held each June. The funds requested in this proposal will be used in 2019-2021. The above contribution will not be used as match for any other state-funded project, and will be documented in the general accounting records of our organization.

Thank you for your consideration of support for the Forests to Faucets (F2F): My Water Comes from the San Juan Mountains Teacher Training Workshop Series. We appreciate the opportunity to advance water education for our region.

Sincerely,

Elaine Chick

Elaine Chick
Water Information Program
Manager
elaine@waterinfo.org
970-759-8818



SAN JUAN
MOUNTAINS
ASSOCIATION

PO Box 2261
Durango, CO
81302
970.385.1210
www.sjma.org

January 2, 2019

Megan Holcomb, Colorado Water Conservation Board

Michael Preston, Southwest Basin Roundtable

Re: Forests to Faucets (F2F): My Water Comes from the San Juan Mountains Teacher Training Workshop Series Proposal, Letters of Commitment

Dear Megan Holcomb and Michael Preston,

The purpose of this letter is to confirm matching contributions and commitments on behalf of Mountain Studies Institute and our partners. The San Juan Mountains Association (SJMA) has requested \$6000 from the US Forest Service Rocky Mountain Region's *Connecting Youth and Communities to the Outdoors* funding program, which includes labor costs for SJMA staff, travel costs, kit supplies for the 2019 workshop. Additionally, SJMA provides in-kind contributions, estimated at \$1560 for additional labor, supplies, and vehicle use. The funds will support the planning, preparation, coordination, and facilitation of the Teacher Training Workshop

This workshop will be held annually, with the planning period occurring from February through June, and the workshop held each June. The funds requested in this proposal will be used in 2019-2021. The above contribution will not be used as match for any other state-funded project and will be documented in the general accounting records of our organization.

Thank you for your consideration of support for the Forests to Faucets (F2F): My Water Comes from the San Juan Mountains Teacher Training Workshop Series. We appreciate the opportunity to advance water education for our region.

Sincerely,

Gabi Morey

Education Outreach Director

San Juan Mountains Association

SJMA
For Lands'
Sake!



