



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
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WSRF Submittal Checklist (Required)
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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⁾
X	Map ⁽²⁾
X	Photos/Drawings/Reports
	Letters of Support
Contracting Documents ⁽³⁾	
X	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:	July
Desired Notice to Proceed Date:	July

Water Activity Summary		
Name of Applicant	Montezuma County Noxious Weed Department	
Name of Water Activity	Russian olive and Salt cedar Waterway Management	
Approving Roundtable(s)	Basin Account Request(s) ⁽¹⁾	
	Fecon FRm76 Mower \$16,840.00	
Basin Account Request Subtotal	\$16,840.00	
Statewide Account Request ⁽¹⁾	\$	
Total WSRF Funds Requested (Basin & Statewide)	\$16,840.00	
Total Project Costs	\$96,223	

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

Grantee and Applicant Information



Last Update: July 31, 2018

Grantee and Applicant Information	
Name of Grantee(s)	Montezuma County Noxious Weed Department
Mailing Address	103 North Chestnut, Cortez CO 81321
FEIN	84-6000786
Grantee's Organization Contact ⁽¹⁾	Shak Powers
Position/Title	Montezuma County Administrator
Email	SPowers@co.montezuma.co.us
Phone	970-739-1132
Grant Management Contact ⁽²⁾	Bonnie Loving
Position/Title	Noxious Weed Department Director
Email	bloving@co.montezuma.co.us
Phone	970-565-0580
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).
<i>The mission of Montezuma County Noxious Weed Program (MCNWD) is to implement a coordinated undesirable plant program utilizing integrated management methods to ensure that all lands within Montezuma County are effectively managed to meet the intent of the Colorado Noxious Weed Act. Management methods include, but are not limited to: education, prevention, good land stewardship, biological, chemical, cultural, and mechanical.</i>



Last Update: July 31, 2018

Type of Eligible Entity (check one)	
X	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.
	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)	
	Study
X	Implementation

Category of Water Activity (check all that apply)		
X	Nonconsumptive (Environmental)	
	Nonconsumptive (Recreational)	
X	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.	
Montezuma County	
Latitude 37.34922849	
Longitude -108.58451228	



Last Update: July 31, 2018

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.

MCNWD has responded to the overwhelming amount of invasive/nonnative Phreatophytes by hiring a two-person crew to make available to landowners for a low cost treatment of \$20/hour. The crew has been working since May 1st, 2019 and has treated 2,962 Russian olives (DBH <2": 1,956, DBH 2-4": 443, DBH>4": 563) and 158 Salt cedars (DBH <2": 66, DBH 2-4": 62, DBH>4": 30). Total water savings of these 3,120 treated trees were calculated by their diameter and a 39-week growing season, giving a water savings of 33.81-acre feet.

The two-person crew has many properties scheduled for treatment along McElmo Creek. They started on one property and realized chainsaws were not efficient for treating Salt cedar thickets, as well as working within the Salt cedars was causing health problems, it is giving them severe headaches. We are therefore requesting funds for a Fecon FRM76 Rotary Mower for \$16,840.00. We are charging the landowners \$20/hour to help with costs, and we will use that money to rent a skid steer to operate the mower. One crewmember will run the skid steer and the other will follow at a safe distance and treat the stumps with herbicide. Having this mower will increase efficiency and will decrease time spent within the thickets that could be causing the headaches.

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)	
300 acre-feet	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
250	Area of Restored or Preserved Habitat (acres)	
	Length of Pipe/Canal Built or Improved	
	Other	Explain:

Last Update: July 31, 2018

Water Activity Justification

Provide a description of how this water activity supports the goals of [Colorado's Water Plan](#), the most recent [Statewide Water Supply Initiative](#), and the respective [Roundtable Basin Implementation Plan and Education Action Plan](#) ⁽¹⁾. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2016 WSRF Criteria and Guidelines](#)).

Montezuma County Noxious Weed Department has mapped 482 miles of waterways and an additional 3,421 acres of pasture and wetlands infested with Russian olives. Giving us a grand total of 6,098 acres of infested land. Salt cedar is in our project scope as well, however we have not mapped the Salt cedar, but we estimate it is infesting at least 100 miles of waterways or 600 acres of land within Montezuma County.

We used data from published research studies to calculate our water loss from Russian olives and Salt cedars and it came out to be 4,800 acre feet or 1,564,086,849.6 gallons/year in Montezuma County. Southwest Colorado has been in extreme drought for a few years now, and water is one of our top scarce resources. The heart of our county is in agriculture, if we continue to lose water, people will start losing their farms and way of life. It therefore is our duty to do whatever we can to conserve what little water we have.

Studies have also proven other negative aspects of Russian olives such as increased Nitrogen levels in the water, decreasing water quality and increasing algae. There have also been studies that found increases in Carp populations where Russian olives have taken over, which is a problem because Carp are non-native fish that push out our native fish populations. There have also been studies that show an increase in mosquito populations in Russian olive thickets versus native trees.

Other negative impacts Russian olives have is the debris they put into irrigation ditches and water. This increases the chances of clogging ditches and losing water from it flooding out at the clog site. This also attributes to higher ditch maintenance costs.

Colorado Water's Plan

Chapter 7 Highlights the importance of promoting watershed health to ensure Colorado's water future. Montezuma County Noxious Weed Department's project directly supports watershed health by improving water quality (reducing nitrogen level, reducing debris which decreases algae and increases O₂), promotes diversity



Last Update: July 31, 2018

Water Activity Justification

(Russian olives reduce diversity by out-competing native vegetation such as grass forbs and trees), promotes magnitude of water systems (by decreasing debris in return reducing clogging and increasing natural water flow), as well as decreases fire hazard (Russian olives have tremendous natural die-off each year which is a fire hazard, fires effect streambank stability and increase sediment into water).

The Colorado Water's Plan also promotes partnerships for improving watershed health. This project is promoting collaborative management within our entire community.

Lastly the project supports Colorado Water's Plan by conserving water as a result of drought.

Statewide Water Supply Initiative

With our growing population the state needs to be pro-active with supply and demand. This relates to our project because we are reducing unnecessary waterloss by invasive species in order to maintain that supply.

Roundtable Basin Implementation Plan

Montezuma County Noxious Weed Department's project fits within the Instream Flow Program because the project is essentially recovering imperiled species (by removing the invasive plants that are out-competing our native species), enchancing environmental and recreational economic values (by promoting a prestine ecosystem), protecting healthy environments, and protecting and restoring critical watersheds. Russian olives and Salt cedars are negatively changing our waterways, they are pushing out native plant and animal species, promoting mosquito populations, decreasing water quality, and are overall changing the ecosystems completely.

Montezuma Valley Irrigation Company Project Stipulation:

Trees cannot be treated within 20 feet of an MVIC ditch. MVIC ditches are: Towaoc Highline, Rocky Ford, Simon Suckla, Ute, Duncan Ditch, Garrett Ridge, Lone Pine, East Lateral, Big and Little Corkscrew, Goodland, U Lateral, Moon Light, West Lateral, Lower and Upper Arickaree, and Hermana.

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



Last Update: July 31, 2018

Matching Requirements: Basin Account Requests	
Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3 rd 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)
Colorado Department of Agriculture	\$22,500
Colorado Water Plan	\$25,598
Southwestern Water Conservation District	\$7,100
Montezuma County (Crew Training / Job coordination / Admin (est 120 hours x \$22/hour) InKind	\$2,640
Montezuma County (Notification Letters Postage / Advertising)	\$1,000
Landowners – Skid Steer Rental	\$8,887.50
Montezuma County – purchase a UTV	\$11,657.00
Total Match	\$79383.00
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 3 rd 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).	

Last Update: July 31, 2018

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.

Russian olive Biology Identification Distribution Control by Robert Wilson and Mark Bernards Extension Weeds Specialists

Previous CWCB Grants

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order

N/A

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.

N/A

**Water Supply Reserve Fund
Water Activity Summary Sheet
September 18, 2019
Agenda Item 9(h)**

Applicant & Grantee: Montezuma County Noxious Weed Department
Water Activity Name: Russian Olive and Salt Cedar Waterway Management
Water Activity Purpose: Env & Agricultural Implementation
County: Montezuma
Drainage Basin: Southwest
Water Source: McElmo Creek
Amount Requested: \$16,840 Southwest Basin Account
Matching Funds: Basin Account Match (cash & in-kind) = \$79,382
• 293% of the Basin Account request (meets 25% min)
• 82% of the total project cost of \$96,223

Staff Recommendation:

Staff recommends approval of up to \$16,840 from the Southwest Basin Account to help fund the project: Russian Olive and Salt Cedar Waterway Management.
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Water Activity Summary: The Montezuma County Noxious Weed Department (MCNWD) has responded to the overwhelming amount of invasive and nonnative phreatophytes by hiring a two-person crew to make available to landowners for a low cost treatment of \$20/hour. The crew began work in May 2019 and has treated 2,962 Russian olives and 158 Salt cedars to date. The total water savings of these 3,120 treated trees, calculated by their diameter and a 39-week growing season, provides the region a water savings of 33.81-acre feet. MCNWD is seeking support from the Southwest WSRF account to help purchase a Fecon FRM76 Rotary Mower to significantly increase efficiency and decrease time spent within the thickets. This is important because the two-person crew has been experiencing health problems from current treatment procedures.

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 July 10, 2019. The project addresses Colorado Water Plan and Southwest Basin Implementation goals to maintain watershed health by protecting and restoring watersheds, specifically through improving water quality and promoting diversity. The scope of this WSRF request is specifically for the purchase of a mower to support the larger Russian Olive and Salt Cedar Waterway Management project already funded by a Colorado Water Plan grant (approved by the Board in May 2019).

Issues/Additional Needs: None

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>
CWCB, Colorado Water Plan Grant	\$25,598	\$0	\$25,598
Colorado Department of Agriculture	\$22,500	\$0	\$22,500
Southwest Water Conservation District	\$7,100	\$0	\$7,100
Montezuma County	\$12,657	\$2,640	\$15,297
Landowners	\$8,888	\$0	\$8,888
WSRF Southwest Basin Account	\$16,840	n/a	\$16,840
Totals	\$93,583	\$2,640	\$96,223

CWCB Project Manager: Megan Holcomb

SOUTHWEST BASINS ROUNDTABLE

Edward Tolen, First Vice Chair
c/o La Plata Archuleta Water District
P.O. Box 1377
Ignacio, Colorado 81137
970-563-0320

July 11, 2019

Megan Holcomb
Water Supply Management Section
Colorado Water Conservation Board
1580 Logan Street, Suite 600
Denver, Colorado 80203

SUBJECT: Montezuma County Noxious Weed Department Russian Olive and Salt Cedar
Waterway Management - \$16,840 from the Southwest Basin Fund

Dear Megan:

The Southwest Basin Roundtable has approved funding in the amount of \$16,480 from the Southwest Basin Fund for the Montezuma County Noxious Weed Department Russian Olive and Salt Cedar Waterway Management Project. The application was considered in detail at the July 10, 2019 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present.

The Project will remove Russian Olive and Salt Cedar (aka Tamarisk) along waterways and on private property in Montezuma County. The Noxious Weed Department has mapped 482 miles of waterways and 3,421 acres of pastureland that are infested with Russian Olive. The extent of the Salt Cedar infestation has not been mapped, but is estimated at 100 miles of water ways and 600 acres of land.

The Montezuma County Noxious Weed Department is working with willing property owners to remove both of these invasive species. The requested funding will result in improvements to water quality, restore ecosystems along waterways, and reduce water depletions by invasive species.

The Project addresses Southwest Basin BIP Measurable Goals and Outcomes A5: Maintain Watershed Health by Protecting and/or Restoring Water sheds, E1: Encourage and Support Restoration of Riparian Dependent Species and Plant Communities, E2: Meet Environmental Water Needs, and Colorado Water Plan Goal Environmental and Recreational Goals, Page 6-157

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicant directly or me at 970-563-0320, etolen@laplawd.org, if you have questions or wish to discuss this application in more detail.

Sincerely,



Edward Tolen
Southwest Basin Roundtable First Vice Chair

