Water Supply Reserve Fund Water Activity Summary Sheet September 15-16, 2021 Consent Agenda Item 2(c)

Applicant & Grantee: Grand Mesa Water Users' Association

Water Activity Name: Grand Mesa Water Users' Efficiency Project

Water Activity Purpose: Agricultural & Municipal/Industrial - Implementation

County: Delta & Mesa

Drainage Basin: Gunnison River

Water Source: Upper Colorado River

Amount Requested: \$20,000 Colorado Basin Account

\$45,000 Statewide Account \$65,000 Total Request

Matching Funds: Basin Account Match = \$20,000

• 44% of statewide request (meets 10% min)
Applicant & 3rd Party Match = \$10,000 (in-kind)

• 22% of the statewide request

Total Match (Basin request & Applicant Match) = \$30,000

• 66.7% of the statewide request (meets 50% min)

Staff Recommendation:

Staff recommends approval of up to \$20,000 from the Gunnison Basin Account and up to \$45,000 from the Statewide Account to help fund the project: Grand Mesa Water Users' Efficiency Project

Water Activity Summary: The applicant, the Grand Mesa Water Users' Association (GMWUA), administers irrigation and municipal water captured in over 100 reservoirs located within a 35 square mile area on US Forest Service land on the Grand Mesa. These reservoirs have a total capacity of over 28,000 acre feet irrigating approximately 10,000 acres of land and providing water for four municipalities. Approximately 2,000 users, including ranchers, orchardists, and municipal residents benefit from services provided by GMWUA.

Overall, the GMWUA Water Efficiency Project is a two phase, multi-year project. This current proposal is for phase 1. WSRF funds will be used to help install electronic reservoir water measuring sensors and telecommunication systems for two reservoirs per the request of the Gunnison Basin Roundtable and will help fund capacity surveys for 26 reservoirs. GMWUA will implement a software program to collect, analyze, and distribute data collected by the electronic sensors. The computer program will be located at the GMWUA office.

Discussion: GMWUA's reservoirs are listed in the Gunnison Basin Implementation Plan for needed improvements. The applicant states this project supports the Basin Implementation Plan by protecting existing water in the basin and restoring, maintaining and modernizing critical water infrastructure. The project also meets goals in the Water Plan by using water efficiently to reduce overall future water use by accurately quantifying their water supply and improve aging agricultural infrastructure.

Issues/Additional Needs: No issues or additional needs have been identified.

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

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

Funding Sources/Match	Cash	In-Kind	Total	Status
Grand Mesa Water Users' Association	\$0	\$10,000	\$10,000	Secured
Sub-Total Matching Funds	\$0	\$10,000	\$10,000	
WSRF Gunnison Basin Account	\$20,000	\$0	\$20,000	Secured
WSRF Statewide Account	\$45,000	\$0	\$45,000	
Sub-Total WSRF Funds	\$65,000	\$0	\$65,000	
Total Project Costs	\$65,000	\$10,000	\$75,000	

CWCB Project Manager: Matt Stearns

Colorado Water Conservation Board

Water Supply Reserve Fund Grant Application

Instructions

All WSRF grant applications shall conform to the current 2020 WSRF Criteria and Guidelines.

To receive funding from the WSRF, a proposed water activity must be recommended for approval by a Roundtable(s) <u>AND</u> the approved by the Colorado Water Conservation Board (CWCB). The process for roundtable consideration and recommendation is outlined in the 2020 WSRF Criteria and Guidelines. The CWCB meets bimonthly.

If you have questions, please contact the WSRF Grant Program Manager (for all Roundtables) or your Roundtable Liaison:

Ben Wade ben.wade@state.co.us 303-866-3441 x3238 (office) Sam Stein
Sam.stein@state.co.us
303-866-3441(office)

WSRF Submittal Checklist (Required)			
YES NO	This request was recommended for CWCB approval by the sponsoring roundtable.		
YES■ NO□	I have read and understand the 2020 WSRF Criteria and Guidelines.		
YES■ NO□	Grantee will be able to contract with CWCB using the <u>Standard Contract</u> . ¹		
	Application Documents included:		
YES■ NO□	Exhibit A: Statement of Work ² (Word – see Template)		
YES■ NO□	Exhibit B: Budget & Schedule ² (Excel Spreadsheet – see Template)		
YES■ NO□	Letters of Matching and/or Pending 3 rd Party Commitments ²		
YES■ NO□	Map^2		
YES□ NO■	Photos/Drawings/Reports		
YES□ NO■	Letters of Support		
	Contracting Documents ³		
YES□ NO□	Detailed/Itemized Budget ³ (Excel Spreadsheet – see Template)		
YES□ NO□	Certificate of Insurance ⁴ (General, Auto, & Workers' Comp.)		
YES□ NO□	Certificate of Good Standing ⁽⁴⁾		
YES□ NO□	W-9 Form ⁴		
YES□ NO□	Independent Contractor Form ⁴ (If applicant is individual, not company/organization)		
YES□ NO□	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.

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

¹ If either the basin or statewide match includes matching funds from a pending Water Plant Grant, both must be submitted by December 1st deadline for March Board meeting review.

Water Activity Summary				
Name of Applicant	Grand Mesa Water Users' Association			
Name of Water Activity	Grand Mesa Water Users' Efficiency Project			
Approving Roundtable	(s)	Basin Account Request(s) ¹		
Gunnison Basin		\$20,000.00		
Basin Account Request Subtotal		\$20,000.00		
Basin Account Request Subtotal Approved by Roundtable		\$		
Statewide Account Request ⁽¹⁾		\$45,000.00		
Total WSRF Funds Requested (Basin & Statewide)		\$65,000.00		
Total Project Costs		\$82,500.00		

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

Grantee and Applicant Information		
Name of Grantee(s)	Grand Mesa Water Users' Association	
Mailing Address	PO Box 399 Cedaredge CO 81413	
FEIN	84-0458441	

	Grantee and Applicant Information
Grantee's Organization Contact ¹	Robert Morris
Position/Title	President
Email	admin@gmwua.com
Phone	970-856-3165
Grant Management Contact ²	Cathrin Denise Jackson
Position/Title	Project Manager
Email	admin@gmwua.com
Phone	970-856-3165
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

¹ Person with signatory authority

Description of Grantee

Provide a brief description of the grantee's organization (100 words or less).

Grand Mesa Water Users' Association (GMWUA) was formally incorporated in 1950. GMWUA's primary function is administration of reservoir water decreed for use within the Surface Creek Valley. A large portion of the reservoir decrees are pre 1922 Compact.

GMWUA maintains accurate accounting of reservoir water and communicates reservoir orders to various water personnel for on-demand release and delivery.

Our organization owns an office building downtown Cedaredge and four cabins located on the Grand Mesa. The company has a governing board of eight directors, elected in staggered two-year terms, one full time association manager, and 4 seasonal employees.

 $^{^2\,}Person\,responsible\,for\,creating\,reimbursement\,invoices\,(Invoice\,for\,Services)\,and\,corresponding\,with\,CWCB\,staff.$

	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				
Х	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		
Х	Implementation		

	Category of Water Activity (check all that apply)			
	Nonconsumptive (Environmental)			
	Nonconsum	Nonconsumptive (Recreational)		
Х	Agricultural			
Х	Municipal/Industrial			
	Needs Assessment			
	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 Delta and Mesa				
Latitude	39.043958 (for general reference – there are multiple reservoirs within the project)			
Longitude	-107.941969			

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.

GMWUA administers irrigation and municipal water captured in over 100 reservoirs located within a 35 square mile area on US Forest Service land on the Grand Mesa. These reservoirs have a total capacity of over 28,000 acre feet irrigating 10,000 +/- acres of land and provide water for 4 municipalities. Approximately 2,000 users, including farmers, ranchers, orchardists, and municipalities benefit from services provided by GMWUA.

WSRF funding will be used to produce digitized updated capacity surveys for 75 reservoirs over a two year time frame.

Measurable Results				
To catalog measurable results	To catalog measurable results achieved with WSRF funds please provide any of the following values.			
	New St	orage Created (acre-feet)		
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive			
Approximately 28,000 acre ft.	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 (linear feet)			
	Other	Explain:		

Water Activity Justification

Provide a description of how this water activity supports the goals of <u>Colorado's Water Plan</u>, the most recent <u>Statewide Water Supply Initiative</u>, and the respective <u>roundtable Basin Implementation Plan and Education Action Plan</u> (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 2020 WSRF Criteria and Guidelines).

GMWUA's Water Efficiency Project is listed as Tier 1 on the Gunnison Basin Roundtable Identified Project and Processes. (GUN2020-0125)

For the Gunnison Basin Round Table, Water Activity Justification is as follows:

Gunnison Basin Implementation Plan, Section 1, Page 28, Table 11, Primary Goal 1: Protection of existing water in the Basin

GMWUA's Water Efficiency Project will protect the water rights of the water users within the Surface Creek Valley. Accurate reservoir capacity surveys will result in more accurate filling of decrees according to State Statute, precision quantification of reservoir water, and more efficient water delivery and use.

Gunnison Basin Implementation Plan, Section 1, Page 28, Table 11, Goal 8: Restore, maintain, and modernize critical water infrastructure

Digitized capacity surveys will result in accurate water quantification in real time. Modern equipment will result in fewer measurement and transcription errors.

For the Colorado Water Plan, Water Activity Justification is as follows:

Colorado Water Plan, Chapter 6, Section 6.5, page 6-127: *Use water efficiently to reduce overall future water needs*

Accurate capacity surveys result in precise water quantification.

Colorado Water Plan Chapter 10, Section 10.3, Page 10-10, Item D Critical Ag Action #3: ...improve Colorado's aging agricultural infrastructure..

Digitized accurate capacity surveys will allow GMWUA to better serve the agricultural and municipal users.

Technical Update, Table 4.5.1, Page 93 & Table 4.5.2 Page 94: Addressing agricultural water shortages.. As the number of users increases, the strain on accurate, efficient and timely delivery increases.

 $^{^{}m 1}$ Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.

indicate the percentage you wish waived.

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 2020 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary. Contributing Entity Grand Mesa Water Users' Association \$17,500 cash If you requested a Waiver to the Basin Account matching requirements,

Matching Requirements: Statewide Account Requests

4%

Statewide Account grant requests require a 50% match as described in the 2020 WSRF Criteria and Guidelines. At least of 10% of the required Statewide Account Grant request match shall be cash from Basin Account funds whether that is from one or multiple basins; and the remaining 40% of the required match may be provided from any source, including other grants, cash from the Basin Account, or any combination of cash, in-kind services, or in-kind materials.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):	
Gunnison Basin	\$20,000.00 cash	
WSRF	\$45,000.00 cash	
Total Match	\$65,000.00	
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	4%	

Related Studies

Please provide a list of any re implementation of other CW	elated studies, including if the water activity is complimentary to or assists in the
implementation of other CW	CD programs.
None	
	Previous CWCB Grants
	EWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) ctivity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or
None	

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.
Not applicable



Last Update: March 17, 2020

https://cwcb.colorado.gov/

Colorado Water Conservation Board					
Water Supply Reserve Fund					
Exhibit A - Statement of Work					
Date:	06/28/2021				
Water Activity	Grand Mesa Water Users' Association Efficiency				
Name:	Project				
Grant Recipient:	Grand Mesa Water Users' Association				
Funding Source:	Water Smart, WSRF, CO River District & CWCB Loan				

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. (PLEASE DEFINE ALL ACRONYMS).

Grand Mesa Water Users' Association (GMWUA) administers irrigation and municipal water captured in over 100 reservoirs located within a 35 square mile area on US Forest Service land on the Grand Mesa. These reservoirs have a total capacity of over 28,000 acre feet irrigating 10,000 +/- acres of land and providing water for 4 municipalities. Approximately 2,000 users, including ranchers, orchardists, and municipalities benefit from services provided by GMWUA.

GMWUA Water Efficiency Project is a two phase, multi-year project. Each phase will take two years to complete. Each phase can function without the other, however, implementation of both phases will provide optimal results. This current application is for phase 1.

In phase 1, WSRF funding will be used to help install electronic reservoir water measuring sensors and telecommunication systems for 50 reservoirs. GMWUA will produce digitized updated capacity surveys for 50 reservoirs. GMWUA will implement a software program to collect, analyze, and distribute data collected by the electronic sensors. The computer program will be located at the GMWUA office. WSRF monies will be used to fund all tasks in proportion to the other monies received.

Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS).

Grand Mesa Water Users' Association's (GMWUA) objectives are to increase real time decision making for better reservoir water management, reduce diversion errors, and offer transparent water administration.



Last Update: March 17, 2020

https://cwcb.colorado.gov/

Tasks Tasks						
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)						
<u>Task 1</u> Reservoir Capacity Survey						
Description of Task:						
Conduct capacity survey of 75 reservoirs.						
Method/Procedure:						
Utilize current drone technology to survey 75 reservoirs and produce digitized capacity charts.						
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)						
Digitized capacity charts						
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)						
Electronic data files of the capacity charts						



Last Update: March 17, 2020

https://cwcb.colorado.gov/

Repeat for Task 3, Task 4, Task 5, etc.

Budget and Schedule

Exhibit B - Budget and Schedule: This Statement of Work shall be accompanied by a combined that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in <u>excel format</u>. A separate <u>excel formatted</u> 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.

Payments

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.

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.

Performance Requirements

Performance measures for this contract shall include the following:

- (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 inkind 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.
- (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.
- (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.
- (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.

Last Update: December 17, 2019



Colorado Water Conservation Board

Water Supply Reserve Fund

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

Date: 06/28/2021

Water Activity Name: Grand Mesa Water Users Association Efficiency Project

Grantee Name: Grand Mesa Water Users' Association

Task No. ⁽¹⁾	<u>Description</u>	Start Date ⁽²⁾	End Date	Matching Funds (cash & in-kind) ⁽³⁾	WSRF Funds (Basin & Statewide combined) ⁽³⁾	<u>Total</u>
1	Reservoir Capacity Survey	9/1/21	9/1/23	\$17,499.90	\$65,000.10	\$82,500.00
		\$17,499.90	\$65,000.10	\$82,500.00		

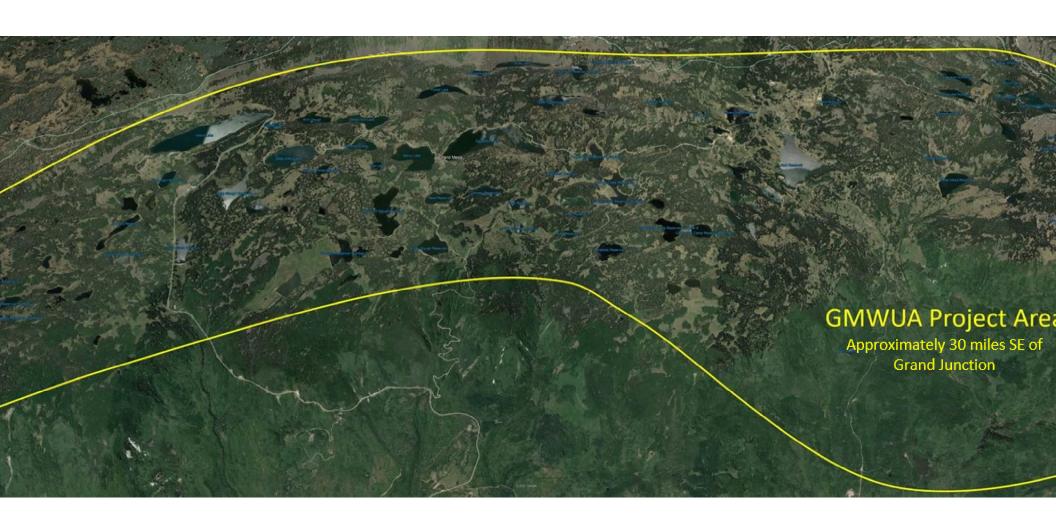
⁽¹⁾ The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

• 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.

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 futher 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

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



May 26, 2021

Mr. Ben Wade Colorado Water Conservation Board 1313 Sherman St., Room 721 Denver, CO 80203

Re: Grand Mesa Water Users Association Efficiency Project

Dear Mr. Wade,

On May 17, 2021, the Gunnison Basin Roundtable approved \$20,000 in Basin WSRF funds and \$45,000 in State WSRF funds for the Grand Mesa Water Users Efficiency Project. The Grand Mesa Water Users Association is requesting \$45,000 Basin and \$75,000 State funding for a \$440,000 Efficiency Project to do three things: 1. Complete capacity surveys on 50 reservoirs, 2. Install sensors to provide remote readings of reservoir levels, and 3. Purchase software to help track and manage water from the reservoirs. The GMWUA system is large and complex, comprising over 100 privately owned reservoirs and delivered to over 2,000 irrigators and 4 municipalities who provide domestic water to 6,000+ users. The reservoirs range in size from less than 100 acre-feet to several thousand acre-feet. The water is delivered down 7 main drainages into several hundred lateral ditches.

For the full project, GMWUA is applying for a Water Smart grant from the Bureau of Reclamation for \$200,000 and would take out a CWCB loan for \$45,000 as their match. The Roundtable supports the aim of this project and the reservoirs are listed in the BIP for improvement. However, the Roundtable recommends a revision of the application to request funding from the State and Basin for the capacity surveys and two test reservoir sensor sites. The Roundtable recommended funding levels of \$20,000 in Basin funds and \$45,000 in State funds.

Sincerely,

Kathleen Curry

Kathleen Curry, Chair Gunnison Basin Roundtable 54542 US Highway 50 Gunnison, CO 81230 970-209-5537 kathleencurry@montrose.net