US Bureau of Reclamation

Drought Contingency Grants for 2022

NOFO R22AS00178



Uncompany Valley Water Users Association Grant Application April 14th, 2022 Form SF-424 – Application for Federal Assistance



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SECTION 1 TECHNICAL PROPOSAL: EXECUTIVE SUMMARY

The Gunnison Tunnel project is one of the original Bureau of Reclamation projects in the western United Sates. UVWUA operates the project for the Bureau of Reclamation and serves over 83,000 irrigated acres in Montrose and Delta County Colorado. The service area consists of seven river diversions, 128 miles of major canals, 438 miles of laterals, and 216 miles of drains. The major feature of the project is Taylor Dam on the Taylor River a tributary of the Gunnison River, the Gunnison Tunnel, and South Canal which diverts Gunnison River water to the Uncompany River. The project diverts over five hundred thousand-acre feet annually. Approximately 9,000-acre feet annually is used for municipal supply with the remaining balance to agricultural. UVWUA serves over 3500 shareholders who utilize the water for production of small grains, onions, corn, dry beans, forage crops, and other fruits and vegetables.

The purpose of the DCP is to engage stakeholders in the district's service area in planning for future droughts. Key to preparing for future droughts is gaining a better understanding of historic and prehistoric droughts and the possible effects climate change may have on water resources in the Gunnison and Uncompany River Basins. UVWUA's Drought Contingency Plan will evaluate new approaches for determining when to call for water shortage contingency plan actions, review the science related to early prediction of drought climate conditions, and develop a response framework for irrigation and municipal deliveries to employ during future drought conditions.

SECTION 2 TECHNICAL PROPOSAL: TECHNICAL PROJECT DESCRIPTION

The Gunnison Tunnel Project serves the Uncompany Valley. It surrounds the cities of Montrose and Delta Colorado, and the town of Olathe for 34 miles along both sides of the Uncompany River. Within the District's service boundary there are a diverse range of interests. Most of the surface water use in the Gunnison and Uncompany Basin is used for agricultural purposes; however rapid population growth is converting some of the agricultural water use to M&I uses including secondary uses (untreated water used for residential landscapes).

The district provides wholesale water to Project Seven Customers including Tri-County Water Conservation, Menokin Water, and Chipeta Water Districts, and the Cities of Delta, Olathe, and Montrose. The district meets with these Customer Agencies annually to discuss issues affecting water supply in the area.

The Drought Contingency Plan will develop monitoring and planning tools, and response and mitigation actions to effectively manage water supplies during water shortage years, while also preserving the natural environment through careful management of the water supply system. This will assist UVWUA to stretch limited water supplies and provide more sustainable, drought-resistant alternative water supply solutions. This plan will help better leverage available water resources now and into the future, while adapting to a changing climate and variability in water supplies. A broad representation of

stakeholders, including the agricultural community, local and regional planners water retailers, and local organizations will foster the necessary relationships to assess the diverse needs of the region.

Drought conditions can potentially create new maintenance opportunities and system improvements. This plan will assess what operational or maintenance opportunities that may be created during shortage conditions.



objectives for developing this proposal follows a New DCP. The proposal has been structured to accomplish eight milestones. In addition, milestones have been divided into two phases following the cooperative agreement structure for this project. The first milestone to be completed under Phase 1, including all the steps to be established in the financial assistance agreement UVWUA will enter with BOR if the proposal is selected for award. Phase 2 of this project incorporates milestones 2 through 8 with several tasks that undertake the six required elements of the DCP.

Phase 1:

Milestone 1: Establish the financial assistance agreement following the required DCP steps, before the planning activities, to clearly coordinate funds and timeframes with BOR

Task 1: Hire contractor to establish the DCP task force with diverse membership and inclusion of stakeholders within the planning area.

Task 2: Develop a detailed work plan in consultation with Task Force members and BOR to describe in detail how the six required element of a complete DCP will be accomplished.

Task 3: Develop a communication and outreach plan in consultation with the Task Force members to execute the detailed work plan explaining how stakeholders and members of the public will be involved.

Phase 2:

Milestone 2: Establish a process for drought monitoring identifying the onset of a drought period, assessment of its severity, and water availability early warning system for predicting future droughts.

Task 1: Gather and analyze data to estimate the appropriate drought index.

Task 2: Monitor a combination of the applicable indexes using the National Climatic Data Center and National Drought Mitigation Center. Produce estimates of selected drought index locally at different time periods to determine the onset, severity, and duration of drought periods.

Task 3: Establish triggers based on water availability in conjunction with drought indexes to classify drought in stages and to determine whine to initiate specific response or mitigation actions.

Milestone 3: Develop a vulnerability assessment to identify potential drought related risks to various sectors including economic, agriculture, public health, and the environment.

Task 1: Identify and evaluate recent and historic drought periods and their possible impacts to the community.

Task 2: Perform an analysis of historical water supply and consumption using available information to evaluate tendencies over time.

Task 3: Analyze and evaluate future climate change scenarios and drought impacts including precipitation and temperature patterns, wildfire threat, and how they impact the drought conditions within the UVWUA district.

Task 4: Develop drought magnitude-frequency estimates to obtain scenarios of expected drought and its return period at a regional/local scale using reliable and proven methodologies.

Milestone 4: Identify, evaluate, and prioritize mitigation actions in coordination with Task Force members to build long-term resistance to drought and mitigate the risks imposed by drought.

Task 1: Identify mitigation measures to be implemented in advance to address potential risks and impacts of drought conditions.

Task 2: Evaluate and prioritize actions by sector (agricultural, environmental, municipal and Industrial and public health) that will mitigate the risks posed by drought conditions.

Task 3: Develop a list of actions and potential projects that would increase water reliability and help to build long term resilience to drought.

Milestone 5: Identify prioritize and evaluate response actions and activities in coordination with the Task Force members, that can be quickly implemented to address and decrease the severity of impacts of an emerging or ongoing drought.

Task 1: Detect, classify, and prioritize response actions to be taken under the different stages of drought.

Task 2: Evaluate response actions to be implemented during a drought to mitigate its impacts.

Task 3: Develop well-established communication avenues that can be employed through outreach campaigns during an emerging or ongoing drought.

Milestone 6: Develop an operational and administrative framework responsible for undertaking the actions necessary to implement the DCP.

Task 1: Define roles and responsibilities to conduct drought monitoring and DCP development and updates.

Task 2: Define roles and responsibilities to initiate mitigation and response actions.

Milestone 7: Describe the process undertaken to develop the DCP including schedule for monitoring, evaluating, and updating the DCP.

Task 1: Submit DCP document (draft) to Task Force members (30 day review period)

Task 2: Submit DCP document (draft) to BOR (30 day review period)

Task 3: Prepare the final version considering comments from the BOR, Task Force members, and Stakeholders including schedule for monitoring, evaluating, and updating the DCP.

Milestone 8: Project and BOR agreement Management

Task 1: Coordinate UVWUA DCP, Task Force, stakeholders, and outreach meetings throughout the project duration. Develop materials and reports for meetings.

Task 2: Manage BOR agreement ensuring project tasks comply with federal funding.

The total project budget is \$400,000 and the funding plan is summarized in SECTION 4, below. Funding for the DCP will be from this Reclamation grant and UVWUA in-kind contributions and outside non-federal funding sources (further described in SECTION 4)

The proposed schedule for development and implementation of the DCP including major tasks and milestones is as follows:

Schedule of major tasks and milestones	Start Date	End Date
Project Administration	July 2022	September 2024
Execute Agreement with Reclamation	July 2022	September 2022
Work Plan Approved by Reclamation	December 2022	February 2023
Grant Reporting	September 2022	September 2024
Select Consultant	September 2022	December 2022
Establish TAC	November 2022	November 2022
Development of UVWUA DCP	March 2023	September2024
Drought Monitoring (compile data, analysis)	March 2023	June 2023
Compile Data	March 2023	March2023
Drought Prediction Analysis	April 2023	June 2023
Vulnerability Assessment	March 2023	July 2023
Mitigation action evaluation and prioritization	July 2023	January 2024
Response actions	April 2023	January 2024
Operational and adminstrative framework	March 2023	March 2024
Draft report	April 2024	June 2024
Final Report	July 2024	September 2024

SECTION 3 TECHNICAL PROPOSAL: EVALUATION CRITERIA

3.1 Evaluation Criteria A - Need for a Drought Contingency Plan or Plan Update (40 points)

The Uncompany Valley Water Users Association is the largest diverter of Colorado River water in the state of Colorado. Operating the Gunnison Tunnel, the project diverts between 500,000 and 600,000 acre-feet annually and provides irrigation water to over 83,000 acres of land located in Montrose and Delta counties. Additionally, the project delivers approximately 9,000 acre-feet per year to municipal providers.

Western Colorado is experiencing the driest conditions in 1,000 years and scientists predict this to continue for the near future. Decreasing soil moisture and increasing temperatures are placing a strain on the already limited water supply. In addition to the impacts on agriculture the Gunnison Tunnel is the primary source of domestic water for Project 7.

Project 7 was established in 1977 to address regional water shortages caused by undersized and outdated treatment facilities. During the summer of 1973, the City of Montrose experienced water shortages because of insufficient treatment capacity during peak demand periods. The Tri-County Water Conservancy District was almost totally dependent on Montrose for their water at that time. The City of Delta and Town of Olathe were also experiencing some of these same problems. The Menoken Water District and the Chipeta Water District were also faced with outdated treatment facilities and at times a problematic raw water supply. These six entities and their desire to resolve their common problems initiated the formation of the Project 7 Water Authority. The Uncompany Valley Water Users

Association joined as the seventh entity due to their involvement in providing the raw water flow to the Project 7 Water Treatment Plant.



Currently all drinking water supplied by Project 7 comes from one treatment plant and one source: The Gunnison River. Wildfire, drought, Gunnison Tunnel, or other infrastructure failure could impact the availability of drinking water for over 50,000 people.

Drought is a present issue in the Uncompany Valley. In 2021 the Bureau of Reclamation implemented drought operations under the Upper Basin Drought Response Operations Agreement (DROA) due to declining levels in Lake Powell requiring Colorado River Storage Project Reservoirs to release water from Blue Mesa Reservoir and other Upper Basin storage facilities. The declining storage in Blue Mesa poses

an additional level of concern that the future diversions into the Gunnison Tunnel will be solely dependent on seasonal hydrology.

The Drought Contingency Plan will build resiliency to drought by supporting a proactive drought planning process that considers the risks and uncertainties related to changing hydrology and identifies drought mitigation and response actions. UVWUA's Drought Contingency Plan will evaluate new approaches for determining when to call for water shortage contingency plan actions, review the science related to early prediction of drought climate conditions, and develop a response framework for irrigation and municipal deliveries to employ during the next drought. This plan will strengthen the economic vitality, environmental needs, agricultural requirements, social benefits, cultural expectations and requirements, and quality of life enhancements. On behalf of the Uncompahgre Valley, UVWUA has made significant investments to manage demands for water and develop infrastructure to meet the districts water needs

3.2 Evaluation Criteria B - Inclusion of Stakeholders (30 points)

UVWUA will hire consultants to organize and facilitate the collaboration between all stakeholders, Advisory Group and the Task Force. The Consultant will take the lead in involving stakeholders and assist UVWUA by contacting all stakeholders who have not yet been contacted and describe the opportunity for them to be involved as part of the advisory Committee and participant in the planning effort.

The Consultant will work with UVWUA to engage stakeholders and facilitate the task force and stake holder meetings. This will include conducting the task force and advisory meetings quarterly during the two-year project. One of the District's goals of engaging stakeholders is promoting participation in the process and building community consensus. The communication methods for this planning process

should include one-on-one interaction and visual communication in online media. The Consultant will be responsible to produce forms of visual, online, video and print communication that will be used throughout the planning process.

This is a partial list of stakeholders: See section 6 for letters of stakeholder support.

United States Bureau of Reclamation Land and Water Committee Montrose County Delta County City of Montrose City of Olathe City of Olathe City of Delta Tri-County water Conservancy District Project Seven Water Authority Bostwick Park Water Conservation District Upper Gunnison River Conservation District Colorado River Water Conservation District Upper Uncompahyre Water Users No Chico Brush Gunnison Basin Roundtable The Nature Conservancy Trout Unlimited Taylor Park Local User Group

3.3 Evaluation Criteria C – Project Implementation (15 points)

a) Drought Monitoring and Forecasting System

UVWUA actively monitors runoff forecasts to accomplish the responsibilities determining delivery schedules and percentages, managing return flows to meet minimum stream flow requirement and deliveries to municipal providers. The forecasts used by UVWUA are provided by the Natural Resources Conservation Service (NRCS) and the Colorado Basin River Forecast Center (CBRFC). Beginning in January, the NRCS and CBRFC provide volumetric projections on the potential runoff during the April through July period at key locations along the river drainages. Those projections are updated at least every month through June to communicate potential runoff to the Snow Water Equivalent (SWE) of the snowpack and related historical and modeling data. These projections are analyzed by UVWUA along with the current reservoir levels and associated storage space available, historical storage, inflow, and release data at each reservoir, as well as the estimation of water available to store after satisfaction of prior water rights on the drainage.

UVWUA proposes to implement a Historical Data Management System Database. This database will compile and analyze historic data such as:

- » Reservoir levels
- » Annual reservoir yield
- » Department of Water Resources Division Four water delivery records
- » Weather
- » Climate
- » Evapotranspiration

The collected data will be compiled into the database which will be coupled with an interactive data visualization software to develop and manage the data. This database and software will allow the district to better analyze, compare, and understand conditions prior to previous droughts and how the reservoirs and infrastructure in the basin were operated in those dry years. The District and Consultant will work to establish and identify metrics and triggers based on snowpack, reservoir levels and drought indices that can be used to define drought stages. As the District observes drought indices and receives snowpack data and forecasts throughout the year, this information can be compared to historical data and the drought identifying metrics established in the Drought Contingency Plan. This will allow the district and other stakeholders to identify drought conditons and trigger mitigation and response actions more quickly if necessary.

b.) Vulnerability Assessment

Of particular importance to the district is to better understand historic climate variability and how climate change may amplify historic variations in climate.

Based on the results of the vulnerability assessment and modeling, the hired Consultant will work with the district to quantify what negative impacts can be expected from extreme drought events including:

- » Potential cuts in M&I wholesale water deliveries by the district and the corresponding effect on Customer Agencies
- » Decreases in crop production because of cuts in UVWUA water deliveries to irrigators during drought years
- » Potential impacts to aquatic species
- » Decreases in revenues at Hydroelectric facilities due to water shortages
- » Decreased water related recreational opportunities
- » Increased health concerns on public with extended drought cycles

These negative impacts will be examined to determine how they can be mitigated with proper planning and/or infrastructure improvements.

c.) Identification and Prioritizing Mitigation Actions

UVWUA is continually working to increase the drought resiliency of its water supply. To increase the resiliency of its water supply, the district has:

- »Identified potential storage opportunities.
- » Increased efficiency through infrastructure improvements and water management plans.

d.) Drought Response Actions

UVWUA will use information from the vulnerability assessment described previously to identify, evaluate, and prioritize structural and non-structural mitigation actions that will increase the resiliency of the district's water supply and will analyze and recommend capital improvement projects that can be implemented to increase drought resiliency. Examples include increased storage to capture earlier runoff caused by climate change. UVWUA will analyze and prioritize these structural actions to address the most critical areas of need and provide the highest level of drought mitigation while minimizing cost, time, and environmental impacts.

UVWUA will also identify non-structural actions and goals such as educational programs, conservation programs, exchange programs and strategies that can be implemented to educate, conserve, and program for increased drought resiliency.

Within the UVWUA's existing Emergency Water Supply Management and Response Plan (EWSMRP) the district outlines current protocol for evaluating water supply and drought conditions and response actions that will be taken in the case of drought or water supply shortages. The current response

levels are:

- » Level I Normal Water Supply Conditions
- » Level II Moderate Water Supply Conditions
- » Level III Severe Water Supply Conditions
- » Level IV Extreme Water Supply Conditions

For each response level, triggers have been identified that will initiate each level as well as an associated target reduction in water demand.

UVWUA will review and update the existing response levels, triggers and response actions and work with personnel to provide specific response actions. These response actions will be based off the findings in the vulnerability assessment and will be tied to specific triggers based on existing reservoir storage, drought indices, runoff projections and other metrics that the district can actively monitor.

Potential response actions that will be evaluated include:

- » Reduction of allocation for secondary water users
- » Enforcement of reduced allocations for metered secondary connections
- » Reduction of delivery for wholesale and retail irrigation users

The response actions found in the Drought Contingency Plan will be prioritized and assigned to the appropriate response levels.

e.) Operational Framework

UVWUA hired consultant will facilitate discussions with UVWUA and stakeholders to develop an operational and administrative framework as outlined in the Funding Opportunity Announcement (FOA) (Criteria). This framework will tabulate who is responsible for implementing the Drought Contingency Plan elements as well as communicate with the public concerning the proposed actions. The Drought Contingency plan to be prepared by consultant shall include framework to assign:

- » Specific person or team to be responsible to conduct drought monitoring and report results to an identified group of stakeholders
- » Person or team to evaluate drought monitoring results and make recommendations to the District's General Manager and Board of Trustees to initiate response actions and emergency response actions
- » Person or team who is responsible to initiate mitigation actions found in the Drought Contingency Plan
- » Person or team responsible to review the plan update process and oversee updating the Drought Contingency Plan

f.) Plan Update Process

The Consultant will work with the district to include a detailed set of procedures for ongoing evaluation and updates to the Drought Contingency Plan to keep the plan responsive to the needs of the district and its stakeholders.

The Drought Contingency Plan to be prepared by the Consultant will address the following:

Effectiveness of the Plan -

The Plan will be evaluated periodically to determine the extent to which pre-drought planning was useful in mitigating impacts from an existing or past drought and in facilitating relief or assistance to drought-stricken areas.

Timing of Plan Updates -

The Plan will include a process and schedule for substantial changes and updates. It is anticipated that the plan will need to be updated every 5 years at a minimum. Because of recent droughts and the amount of growth expected in western Colorado, efforts to better understand past climate variability and future climate change are continuously progressing. It is expected that the Drought Contingency Plan will be monitored and evaluated periodically so that it can be updated as new information is available.

3.4 Evaluation Criteria D - Nexus to Reclamation (15 points)

UVWUA has a longstanding relationship with the Bureau of Reclamation. Operating the project since 1927, UVWUA has collaboratively worked with the Bureau to maintain the facility and optimize the efficiency of the system to maximize the beneficial use of the water and improve water quality through the salinity/selenium control program. The following projects in the Uncompany Valley have been funded by the Bureau of Reclamation:

PHASE 1 – Montrose Arroyo Demonstration Project (Contract No. 98-FC-40-1300)

- Construction Date: 9/23/98 to 12/31/01
- Status: Complete
- Description: Piping of open, earthen laterals for salinity control: AMB, AMD, AMF, AME, and D1.60 for a total of 7.5 miles
- Salt reduction (tons/year): 2,295

PHASE 2 - East Side Laterals Piping Project (Contract No. 04-FC-40-2243)

- Construction Date: 9/26/04 to 12/31/09
- Status: Complete
- Description: Piping of open, earthen laterals for salinity control: ABB, ABBC, ABC, AC, ACC, ABE, ABEH, ABEHA, ABEF, AMC and AML for a total of 21 miles.

• Salt reduction (tons/year): 6,139

PHASE 3 - East Side Laterals Piping Project (Contract No. 07-FC-40-2568)

- Construction Date: 5/15/07 to 12/31/11
- Status: Complete
- Description: Piping of open, earthen laterals for salinity control: A1.50, ABH, AG, EH, EJ, EK, EL and EM for a total of 10 miles
- Salt reduction (tons/year): 2,292

PHASE 4 - East Side Laterals Piping Project (Contract No. 09AP40866)

- Construction Date: 5/15/07 to 12/31/12
- Status: Complete
- Description: Phase 4 was a jointly funded project between the Basinwide Salinity Program and the State of Colorado Non-Point Source Program (NPS). The project involved the piping of open, earthen irrigation laterals for salinity and selenium control: EF, ED, GHE, GHC, and GHCA for a total 11.4 miles. Piping materials for the EF lateral project were purchased with NPS funds. All other piping materials required for Phase 4, NEPA compliance and the construction of the laterals were paid for using Basinwide funds. The Salinity Program claimed salt benefits, while the NPS Program claimed selenium benefits.
- Salt reduction (tons/year): 3,651
- Project Partners:

<u>State of Colorado Non-Point Source Program Grant – "Selenium Control: Loutzenhizer</u> <u>Lateral Piping Project" (Contract No. 09-FAA-00149</u> Construction Dates: 10/2009 to 3/2010 Status: Complete

PHASE 5 - East Side Laterals Piping Project (Agreement No. R11AC40020)

- Construction Date: 08/09/11 to 12/31/15
- Status: Complete
- Description: Piping of open, earthen laterals for salinity control: GHA, GHAA, DG, DFG, EC5.17, GD, GDB, ECD, ECDB and GH4.34 for a total of 19 miles.
- Salt reduction (tons/year): 5,034

PHASE 6 - EC Lateral Lining (Agreement No. - See contract #'s below)

- Construction Dates: 02/09/10 to 6/30/13
- Status: Complete
- Description: The goal of the project was to demonstrate that a new canal lining technology can be employed to reduce selenium and salt loading to the lower Gunnison and Colorado river systems and to begin implementing this solution in the Uncompany Valley Project Area, if successful. The first demonstration phase involved lining 0.29 miles and was highly successful. Subsequent phases were then implemented with a total of 2.0 miles being lined at project completion. Project partners are identified below.
- Salt reduction (tons/year): 1,374
- Project Partners (Phase 6):
 - <u>State of Colorado Species Conservation Trust Funds "EC Canal Lining Demonstration</u> <u>Project" (Contract No. C-154160)</u> Construction Date: 02/09/10 to 6/30/13 Status: Complete Funding: \$500,000

Salinity Program Parallel Funds (Colorado Department of Agriculture): \$1.5 M (Contract No. 22911)

Construction Date: 10/01/10 to 09/30/12 Status: Complete Funding: \$1,500,000

<u>Colorado River District Grant (Contract No. CG09019)</u> Construction Date: 08/27/09 to 04/30/12 Status: Complete Funding: \$39,000

PHASE 7 - East Side Laterals Piping Project (Agreement No. R11AC40025)

- Construction Date: 08/09/11 to 12/31/16
- Status: Complete
- Description: GH, GHD/A/AE, GH4.36, GHF, ECC, ECB, ECBA, GE, ECA, ECE, EC2.53 and DK laterals for a total of 12.7 miles.
- Salt reduction (tons/year): 3,029

PHASE 8 - East Side Laterals Piping Project (Agreement No. R14AP00005)

- Construction Date: 06/01/13 to 12/31/18
- Status: Complete
- Description: ABK, GF, GFA, DFB and DBFA for a total of 14.08 miles.
- Salt reduction (tons/year): 3,307

PHASE 9 - East Side Laterals Piping Project (Agreement No. R16AC00016)

- Construction Date: 12/6/18 to 12/31/21
- Status: In progress
- Description: GB, GBA, GK, EU and EO laterals for a total of 21.6 miles.
- Salt reduction (tons/year): 6,030
- Project Partners

The Natural Resources Conservation Service (NRCS) Regional Conservation Partnership Program (RCPP) (NRCS Agreement No. 68-8805-A-15-3) Construction Date: 12/3/2018 to 9/30/2020 Status: Complete Funding: \$1,300,000

State of Colorado Water Quality Control Division NPS Grant (Agreement No. CT FEGA 2020*2633) Construction Date: 10/15/2019 – 4/30/2020 Status: In-progress Funding: \$230,000

PHASE 10 – CEC, FGG, FGI, FGJ, FGK, FGL, FD, FG, GKA, GKB AND EQ Laterals (Agreement No. R20AC00019

All projects were designed and engineered by Reclamation's WCAO in Grand Junction, CO.

WaterSMART Grants Received

Water Management Improvement (M&D, Selig, East, West and Loutsenhizer Canals)

Cooperative Agreement No. R16AP00188

 Tail Water Telemetry Project (M&D Canal, CQ Lateral, FG Lateral, FL Latera, Ironstone Canal, FQ Lateral, East Canal)

Cooperative Agreement No. R18AP00265

Tail Water Telemetry Project (M&D Canal, Ironstone Canal, and FJ Lateral)

Cooperative Agreement No. R19AP00222

UVWUA is requesting Reclamation funding in the amount of \$200,000. This plan will build on the other Reclamation-funded projects to provide a refined approach and drought coordination tool specific to UVWUA assets.

SECTION 4 TECHNICAL PROPOSAL: BUDGET

The total project budget is \$400,000 and the funding plan is summarized in tables 2 and 3. Funding for the DCP will be from this Reclamation grant and UVWUA in-kind contributions and outside non-federal funding sources. The

Table 2. Total Project CostFunding Sources	Total Amount
Federal: Requested Reclamation funding	\$200,000.00
Non-federal: In-kind and local contribution (UVWUA) other non- federal funding	\$200,000.00

Table 3. Summary of non-federal and federalfunding sourcesFunding Sources	Amount
Non-federal entities	
UVWUA and other non-federal sources	\$200,000 .00
Non-federal subtotal	\$200,000 .00
Requested Reclamation funding	\$200,000 .00

For the purposes of planning the budget is broken down into Phases 1 and 2.

Phase 1 will budget for the initial plan development, selection of consultant, development of a work plan with BOR, establishment of Task Force and development of a communication outreach plan.

Description Budget Item	\$/Unit	Quantity	Total Cost
Salaries and Wages			
Steve Pope	\$57.70	144	\$8303.80
Chery DeJulio	\$34.50	144	\$4968.00
Shirlee Johnson	\$27.15	72	\$1954.00
Robert Hancock	\$31.00	48	\$2976.00
Water Master	\$31.00	48	\$2976.00
		Subtotal	\$21,177.80

and the second		Total	\$51,377.80
		Subtotal	\$30,200.00
Administrative	\$80	10	\$800.00
Community Relations Manager	\$135	70	\$9450.00
Senior Consultant	\$175	50	\$8750.00
Project Manager	\$160	70	\$11,200.00
Consultant Team			
Contractual			

Phase1 Budget Narrative:

Salaries and Wages:

Steve Pope, General Manager UVWUA. Mr. Pope will be the project manager and work in concert with the hired consultant, and BOR to develop the work plan for the DCP. He will contribute an average of 6 hours per week for the Phase 1 duration of approximately 24 weeks at an hourly rate of \$57.70 for a total of \$8308.80. Mr. Popes work includes the selection of a contractor, assisting in the development of a work plan, and coordinating the initial Stakeholder and Task Force members.

Cheryl DeJulio, Business Manager UVWUA. Ms. DeJulio will contribute an average of 6 hours per week for the Phase 1 portion of the project at an hourly rate of \$34.50 for a total of \$4968.00. Ms. DeJulio will assist in developing the work plan and the communication and outreach plan.

Shirlee Johnson, Bookkeeper, will contribute an average of 3 hours per week during the Phase 1 portion of the DCP at a rate of \$27.15 per hour for a total of \$1954.00. Ms. Johnsons work will entail coordinating with the Task Force, meeting minutes, and the development of outreach material.

Robert Hancock and a Water Master to be named will contribute 2 hours per week each in the support of developing a work plan at an hourly rate of \$31.00 for a total \$2976.00. Their work during Phase 1 will be contributing to the development of a work plan.

Contractual costs for completion of Phase 1 of the DCP are estimated to be \$30,200.00

Mr. Steve Pope Manager, Uncompany Valley Water Users Association 601 Park Avenue Montrose, Colorado 81401

Subject: UVWUA Drought Contingency Plan - Letter of Support

Dear Mr. Pope,



We plan to actively participate in your efforts to explore avenues to address drought and climate change that will adversely affect our river basins and work collaboratively to implement developed plans to preserve the quality of life, agricultural and economic opportunity, and environmental character of the Uncompany Valley.

Sincerely,

Mike Berry General Manager

647 NORTH 7TH STREET · MONTROSE, COLORADO 81401





Dear Mr. Pope,

I am writing this letter to support the Uncompany Valley Water Users Associations request for funding a Drought Contingency Plan. The Gunnison Tunnel Project has established itself as critical to the success of agriculture, economic development and enhancement of the environment throughout the Uncompany and Gunnison River Basins.

We would like to actively participate in exploring avenues to address drought and climate change issues that will adversely affect our river basins while working collaboratively to implement developed plans to preserve the quality of life, economic opportunity and the environmental character of the Uncompany Valley.

Thank you for your consideration as we look forward to working with you.

Town of Olathe,

Jake Foreman (Mayor)

419 Horton Avenue • P.O. Box 789 • Olathe, CO 81425 • 970-323-5601 • FAX 970-323-5149



SHAVANO CONSERVATION DISTRICT

102 Par Place Ste#4, Montrose, Colorado 81401 Office (970) 964-3584

April 7, 2022

Dear Mr. Pope,

I am writing this letter to support the Uncompany Valley Water Users Associations request for funding to develop a Drought Contingency Plan. The Gunnison Tunnel Project has established itself as critical to the success of agriculture, economic development, and enhancement of the environment throughout the Uncompany and Gunnison River Basins.

We would like to actively participate in exploring avenues to address drought and climate change that will adversely affect our river basins and work collaboratively to implement developed plans to preserve the quality of life, economic opportunity, and environmental character of the Uncompany Valley.

Ken Lipton

Ken Lipton, President

Shavano Conservation District



MONTROSE COUNTY BOARD OF COUNTY COMMISSIONERS 317 South 2nd Street Montrose, CO 81401 Phone: 970-249-7755 Fax: 970-249-7761

March 28, 2022

Steve A. Pope Manager Uncompahgre Valley Water Users Assoc. 601 N Park Ave Montrose, CO 81401

Dear Mr. Pope,

The Montrose County Board of County Commissioners is sending this letter to support the Uncompany Valley Water Users Associations request for funding to develop a Drought Contingency Plan. The Gunnison Tunnel Project has established itself as critical to the success of agriculture, economic development, and enhancement of the environment throughout the Uncompany and Gunnison River Basins.

We would like to actively participate in exploring avenues to address drought and climate change that will adversely affect our river basins and work collaboratively to implement developed plans to preserve the quality of life, economic opportunity, and environmental character of the Uncompany Valley.

Sincerely,

Montrose County Commissioners

Keith Caddy Chair

Sue Hansen Vice Chair

Roger Rash Commissioner



March 29, 2022

CITY OF MONTROSE

PUBLIC WORKS DEPARTMENT

1221 64.50 Road P.O. Box 790 Montrose, Colorado 81402-0790

www.cityofmontrose.org (970) 240-1480

Steve Pope Manager Uncompahgre Valley Water Users Association 601 North Park Avenue Montrose, Colorado 81401

Re: Letter of Support for Drought Contingency Plan

Mr. Pope:

I am writing this letter to support the Uncompany Valley Water Users Association's request for funding to develop a Drought Contingency Plan. The Gunnison Tunnel Project has established itself as critical to the success of agriculture, economic development, and enhancement of the environment throughout the Uncompany end Gunnison River Basins and we wish to see plans developed to ensure its success into the future.

We would like to actively participate in exploring avenues to address drought and climate change which pose a threat to our river basins and look forward to working collaboratively to implement plans to preserve the quality of life, economic opportunity, and environmental character of the Uncompany Valley.

Sincerely,

Soon Multy

Scott Murphy, PE City Engineer and Water Resource Manager <u>smurphy@ci.montrose.co.us</u> (970) 901-1792



COLORADO Division of Water Resources Department of Natural Resources

April 1, 2022

Steve Pope, General Manager Uncompahyre Valley Water Users Assoc. 601 N. Park Avenue Montrose, CO 81401

RE: Letter of Support - UVWUA Drought Contingency Plan Funding Request

Dear Mr. Pope,

I am writing this letter to support the Uncompany Valley Water Users Associations request for funding to develop a Drought Contingency Plan. The Gunnison Tunnel Project has established itself as critical to the success of agriculture, economic development, and enhancement of the environment throughout the Uncompany and Gunnison River Basins. We would like to actively participate in exploring avenues to address drought and climate change that will adversely affect our river basins and work collaboratively to implement developed plans to preserve the quality of life, economic opportunity, and environmental character of the Uncompany Valley.

Sincerely.

Bob W. Hurford, P.E. Division Engineer, Water Division 4





United States Department of the Interior

BUREAU OF RECLAMATION Western Colorado Area Office 445 West Gunnison Avenue, Suite 221 Grand Junction, CO 81501



IN REPLY REFER TO

WCG-RChristianson 2.2.4.23

VIA ELECTRONIC MAIL ONLY

Mr. Steve Pope Uncompany Valley Water Users Association 601 N. Park Ave. Montrose, CO 81402 spope@uvwua.com

Subject: Letter of Support for UVWUA's FY22 WaterSMART Drought Contingency Plan Proposal, Uncompany Project, Colorado

Dear Mr. Pope:

This letter is to inform you that the Western Colorado Area Office supports the Uncompany Valley Water Users Association's (UVWUA) request to develop a Drought Contingency Plan under the WaterSMART Drought Response Program's FY22 grant opportunity announcement (R22AS00178). The Uncompany Project was one of the original projects authorized by the Reclamation Act and continues to provide benefits to agriculture, economic development and environmental enhancement throughout the Uncompany en and Gunnison River Basins.

The Western Colorado Area Office will actively support this effort by working collaboratively with UVWUA and their stakeholders in exploring avenues to address drought and climate change that may adversely affect our projects. We recognize that these river basins face many future challenges, and a current Drought Contingency Plan is a vital tool to preserve the quality of life, economic opportunity, and environmental character, along with the other benefits provided by the authorized purposes of the Uncompany Project.

For the hearing impaired please call the Federal Relay System at (800) 877-8339 (TTY).

Sincerely,

Dan

Digitally signed by Ed Warner Date: 2022.04.07 08:22:51 -06'00'

Ed Warner Area Manager

INTERIOR REGION 7 • UPPER COLORADO BASIN COLORADO, NEW MEXICO, UTAH, WYOMING

Hotchkiss

32874 J Rd Hotchkiss, CO 81419 (970) 872-3371

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www.bolingerandqueen.com

Olathe

718 Lane 348 Olathe, CO 81425 (970) 323-5030

I am writing this letter to support the Uncompany Valley Water Users Associations request for funding to develop a Drought Contingency Plan. The Gunnison Tunnel Project has established itself as critical to the success of agriculture, economic development, and enhancement of the environment throughout the Uncompany and Gunnison River Basins.

We would like to actively participate in exploring avenues to address drought and climate change that will adversely affect our river basins and work collaboratively to implement developed plans to preserve the quality of life, economic opportunity, and environmental character of the Uncompany Valley.

Regards,

R. fell b-

R. Todd Queen Vice-President

The Uncompany Valley Water Users Association

601 North Park Ave. * P.O. Box 69 * Montrose, CO 81402-0069 Phone: 970-249-3813 Fax: 970-249-6830

Official Resolution

Doug Wilson moved to adopt the following resolution:

Resolution

"Be it resolved, that for the purpose for the development of a Drought Contingency Plan, the Uncompahgre Valley Water Users Association does approve, ratify, and confirm the authority of Steve A. Pope, General Manager and Cheryl DeJulio, Business Manager, to provide such documentation and other assistance as may be required to participate in the Drought Contingency Planning Grants for the Fiscal Year 2022 (R22AS00178) This will assist the Association to develop a plan to maximize the use of water on the Uncompahgre Valley Project.

Be it further resolved that the Board of Directors affirms that this resolution is adopted with knowledge of the written request.

This motion was seconded by Todd Stewart and approved by a vote of 5 to 0. Done this 7^{th} day of April 2022.

Attest:

Doug Wilson, Secretary

Ryan Whitfield, President