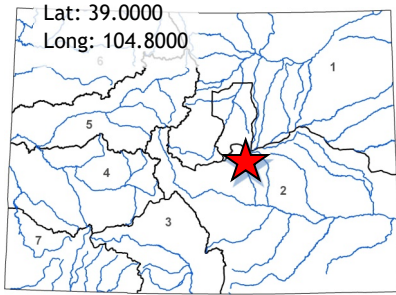




Water Plan Grant Application



D E T A I L S	
Total Project Cost:	\$200,000
Water Plan Grant Request:	\$150,000
Other CWCB Funding:	\$0
Other Funding Amount:	\$25,000
Applicant Match:	\$25,000
Project Type(s):	Study
Project Category(Categories):	Water Storage & Supply
Measurable Result:	1 acre-feet/day/well of storage

L O C A T I O N	
County/Countries:	El Paso
Drainage Basin:	Arkansas

This project is a joint effort between the Donala Water and Sanitation District, a not-for-profit governmental entity formed in 1972, and the Triview Metropolitan District, which provides water, wastewater and stormwater services along with maintenance of community assets such as roads, parks and open spaces. Both Districts are located north of Colorado Springs in El Paso County and their primary source of water is non-renewable Denver Basin aquifers. Due to declining water levels in the Basin that have been identified as a critical risk to the Districts and neighboring groundwater users, the Districts are seeking renewable surface water resources to augment their supply.

This project will continue the work first identified in a 2011 pilot study assessing the feasibility of Aquifer Storage and Recovery (ASR) in the Arapahoe Aquifer. ASR is defined as the injection of water into an aquifer through a well during periods of water availability and future recovery from the same well when water is needed. The 2011 study successfully injected 42.6 AF of water into the aquifer at a rate of 250 gpm, resulting in an average recharge rate of 1 AF/day. The District was subsequently able to recover that water, thereby demonstrating the potential of ASR in the aquifer.

This project will expand on the previous study by exploring the feasibility of a regional cooperative Denver Basin ASR between the two Districts. This includes designing, permitting and operating the ASR pilot facilities, and sharing the outcomes and recommendations from the pilot study in a community workshop.

Funding Recommendation: Staff is recommending a grant of \$150,000 from the Water Storage and Supply category of funding. This is approximately 75% of the project cost. This project aligns with the Water Plan’s measurable goal of creating 400,000 AF of water storage by 2050 by providing new storage in the Arkansas basin. The remainder of the project will be funded by the Districts.

Last Updated: May 2021

Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as “project”) funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Water Storage & Supply Projects	Matthew.Stearns@state.co.us
Conservation, Land Use Planning	Kevin.Reidy@state.co.us
Engagement & Innovation Activities	Ben.Wade@state.co.us
Agricultural Projects	Alexander.Funk@state.co.us
Water Sharing & ATM Projects	Alexander.Funk@state.co.us
Environmental & Recreation Projects	Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to waterplan.grants@state.co.us in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	Donala Water and Sanitation District	
Name of Water Project	Donala and Triview Collaborative ASR Design	
CWP Grant Request Amount	\$ 150,000	
Other Funding Sources: Triview Metropolitan District	\$25,000	
Other Funding Sources _____	\$ 0	
Other Funding Sources _____	\$ 0	
Applicant Funding Contribution	\$ 25,000	
Total Project Cost	\$200,000	



Last Updated: May 2021

Applicant & Grantee Information	
Name of Grantee(s): Donala Water and Sanitation District	
Mailing Address: 15850 Holbein Drive, Colorado Springs, CO 80921	
FEIN	
Organization Contact - Jeff Hodge	
Position/Title - General Manager	
Email - gm@donalawater.com	
Phone - (719)488-3603	
Grant Management Contact	
Position/Title	
Email	
Phone	
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	
Description of Grantee/Applicant	
Provide a brief description of the grantee's organization (100 words or less).	
<p>The Donala Water and Sanitation District ("Donala") was formed in 1972 and is a not-for-profit governmental entity just north of Colorado Springs that provides water and wastewater services to the Gleneagle community and surrounding areas, The Ridge at Fox Run, and Struthers Ranch. Donala is governed by a Board of Directors elected within the District and is run by a general manager and staff. Donala's primary water supply is the Denver Basin aquifers. As the Denver Basin is a finite source and water levels continue to decline, Donala has acquired and continues to actively seek renewable surface water resources to augment their Denver Basin supply.</p> <p>Formed in 1985, Triview Metro District ("Triview") operates much like a town. Triview provides water, wastewater and stormwater services, along with maintenance of community assets such as the roads, parks and open spaces. Like Donala, Triview is governed by a Board of Directors elected within the District and is run by a general manager and staff. Triview's primary water supply is the Denver Basin aquifers. Triview has also acquired and continues to actively seek renewable surface water resources to augment their Denver Basin supply.</p>	
Type of Eligible Entity (check one)	
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	Public (Districts): Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
<input type="checkbox"/>	Private Incorporated: Mutual ditch companies, homeowners associations, corporations.
<input type="checkbox"/>	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.

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	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes .

Type of Water Project (check all that apply)	
X	Study
	Construction
	Other

Category of Water Project (check the primary category that applies and include relevant tasks)			
X	<p>Water Storage & Supply - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity, multi-beneficial projects, water sharing agreements, Alternative Transfer Methods, and those projects identified in basin implementation plans to address the water supply and demand gap. <i>Applicable Exhibit A Task(s):</i></p> <p>Note: For Water Sharing Agreements or ATM Projects - please include the supplemental application available on the CWCB's website.</p>		
	<p>Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, water efficiency, and drought planning. <i>Applicable Exhibit A Task(s):</i></p>		
	<p>Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. <i>Applicable Exhibit A Task(s):</i></p>		
	<p>Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i></p>		
	<p>Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i></p>		
	<table border="1"> <tr> <td>Other</td> <td>Explain:</td> </tr> </table>	Other	Explain:
Other	Explain:		

Location of Water Project	
Please provide the general county and coordinates of the proposed project below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	El Paso County
Latitude	39°N
Longitude	104.8°W

Last Updated: May 2021

Water Project Overview

Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. 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, and area of habitat improvements, where applicable. 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, Other Funding Sources/Amounts and Schedule.

Declining water levels in the Denver Basin are an identified critical risk to the groundwater-reliant Donala Water and Sanitation District (Donala), Triview Metropolitan District (Triview), and neighboring groundwater users. The districts have identified Aquifer Storage and Recovery (ASR) as a potential storage solution to create a sustainable supply from the Denver Basin aquifers. LRE Water conducted a pilot study using one of Donala’s Arapahoe aquifer wells in 2011. Approximately 1 acre-ft/day of treated groundwater was successfully stored, and subsequently recovered, demonstrating the potential of ASR.

Donala and Triview are seeking to extend the feasibility assessment, develop a regional engineering and legal framework for ASR, and develop a conceptual design for ASR pilot facilities. The proposed work includes:

1. Regional ASR concept design and roadmap,
2. Pilot facilities concept design and cost estimating,
3. Water accounting model and cost estimating,
4. Water quality integration plan, and
5. ASR pilot facility application for EPA rule authorization.

The CWP grant will be used for partial funding of Tasks 1 through 4. If approved, these funds will:

- Demonstrate the viability of aquifer storage to store renewable water for subsequent use by Donala and Triview,
- Develop a regional ASR framework for other entities to follow and further develop in their local context,
- Develop a ‘regional ASR framework’ public document specific to the northern El Paso County region, and
- Share information via a community workshop.

Measurable Results

To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:

Potentially 1 af/day/well	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)

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	Efficiency Savings (indicate acre-feet/year OR dollars/year)
	Area of Restored or Preserved Habitat (acres)
	Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
	Number of Coloradans Impacted by Engagement Activity
Other	The objective of this work is to build off the 2011 feasibility study to further quantify ASR's potential over a greater areal extent, with the goal of storing most, if not all, of Donala's and Triview's current and planned renewable surface water rights on an intra-annual and inter-annual basis.

Water Project Justification

Provide a description of how this water project supports the goals of [Colorado's Water Plan](#), the [Analysis and Technical Update to the Water Plan](#), and the applicable Roundtable [Basin Implementation Plan](#) and [Education Action Plan](#). 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).

The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)

The Donala and Triview Collaborative ASR Design Project will support the following State of Colorado and Arkansas River Basin planning goals:

- Colorado Water Plan
 - Supply-Demand Gap – The development of ASR will assist Colorado in closing the supply-demand gap by providing a recoverable storage source for Donala's surface water rights, therefore, reducing their dependency on a dwindling groundwater supply.
 - Conservation – ASR will increase the efficiency in which Donala's surface water rights are utilized, eliminating a significant portion of evaporation, seepage, and ditch losses previously incurred through surface storage practices.
 - Land Use – Donala plans to integrate this storage supply into its district planning for current and future potable and non-potable uses.
 - Agricultural – By increasing the efficiency and utilization of existing surface water rights, the need to acquire additional surface water rights, leading to the potential "buy and dry" of agricultural rights would be significantly decreased, if not eliminated.
 - Storage – The use of ASR will assist the State of Colorado in achieving its goal of attaining 400,000 acre feet to storage by 2050.

- Arkansas River Basin Implementation Plan
 - Storage – In support of the BIP's goal of developing a feasibility study and action plan for storage in designated basins, this ASR study has the potential serve as the reference for these future studies and can provide the framework for future studies to follow.

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- Consumptive Municipal – The municipal supply gap continues to widen, as communities continue to grow while depending on nonrenewable groundwater supply. ASR will assist Donala and Triview in closing the supply gap by reducing their dependency on their Denver Basin supply.
- Consumptive Agricultural – ASR will assist the BIP’s goal of protecting existing agricultural water supplies by reducing the competition between growing municipal needs and existing agricultural needs.

Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

“Well 2A Aquifer Storage and Recovery Pilot Study” prepared for Donala Water and Sanitation District and prepared by Leonard Rice Engineers, Inc. (now LRE Water) in July of 2011. This study documented a nine week ASR pilot study performed on Donala’s Well 2A and demonstrated the successful storage and recovery of 1 acre-ft/day of treated groundwater.

Donala recently approved (June 2021) a Task Order for LRE Water to complete a well field evaluation and develop monitoring and data management tools.

Previous CWCB Grants, Loans or Other Funding

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; 6) Percentage of other CWCB funding for your overall project.

Not applicable.

Taxpayer Bill of Rights

The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.

Neither the Applicant/Grantee nor its cost-share partner, Triview Metropolitan District have any relevant TABOR issues that may affect this application.

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Submittal Checklist	
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract .
X	Statement of Work ⁽¹⁾
X	Budget & Schedule ⁽¹⁾
X	Engineer's statement of probable cost (projects over \$100,000)
	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
X	Map (if applicable) ⁽¹⁾
X	Photos/Drawings/Reports
	Letters of Support (Optional)
	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
	W-9 ⁽²⁾
n/a	Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization)
Water Sharing Agreements and Alternative Transfer Methods ONLY	
n/a	Water Sharing Agreements and Alternative Transfer Methods Supplemental Application ⁽¹⁾

(1) Required with application.

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

Last Updated: May 2021

ENGAGEMENT & INNOVATION GRANT FUND SUPPLEMENTAL APPLICATION

Introduction & Purpose

Colorado’s Water Plan calls for an outreach, education, public engagement, and innovation grant fund in Chapter 9.5.

The overall goal of the Engagement & Innovation Grant Fund is to enhance Colorado’s water communication, outreach, education, and public engagement efforts; advance Colorado’s water supply planning process; and support a statewide water innovation ecosystem.

The grant fund aims to engage the public to promote well-informed community discourse regarding balanced water solutions statewide. The grant fund aims to support water innovation in Colorado. The grant fund prioritizes measuring and evaluating the success of programs, projects, and initiatives. The grant fund prioritizes efforts designed using research, data, and best practices. The grant fund prioritizes a commitment to collaboration and community engagement. The grant fund will support local and statewide efforts.

The grant fund is divided into two tracks: engagement and innovation. The Engagement Track supports education, outreach, communication, and public participation efforts related to water. The Innovation Track supports efforts that advance the water innovation ecosystem in Colorado.

Application Questions

*The grant fund request is referred to as “project” in this application.

Overview (answer for both tracks)
In a few sentences, what is the overall goal of this project? How does it achieve the stated purpose of this grant fund (above)?
Who is/are the target audience(s)? How will you reach them? How will you involve the community?
Describe how the project is collaborative or engages a diverse group of stakeholders. Who are the partners in the project? Do you have other funding partners or sources?
Describe how you plan to measure and evaluate the success and impact of the project?

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What research, evidence, and data support your project?
Describe potential short- and long-term challenges with this project.

Please fill out the applicable questions for either the Engagement Track or Innovation Track, unless your project contains elements in both tracks. If a question does not relate to your project, just leave it blank. Please answer each question that relates to your project. Please reference the relevant documents and use chapters and page numbers (Colorado’s Water Plan, Basin Implementation Plan, PEPO Education Action Plan, etc.).

Engagement Track
Describe how the project achieves the education, outreach, and public engagement measurable objective set forth in Colorado’s Water Plan to “significantly improve the level of public awareness and engagement regarding water issues statewide by 2020, as determined by water awareness surveys.”
Describe how the project achieves the other measurable objectives and critical goals and actions laid out in Colorado’s Water Plan around the supply and demand gap; conservation; land use; agriculture; storage; watershed health, environment, and recreation; funding; and additional.
Describe how the project achieves the education, outreach, and public engagement goals set forth in the applicable Basin Implementation Plan(s).
Describe how the project achieves the basin roundtable’s PEPO Education Action Plans.



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Innovation Track

Describe how the project enhances water innovation efforts and supports a water innovation ecosystem in Colorado.

--

Describe how the project engages/leverages Colorado's innovation community to help solve our state's water challenges.
--

--

Describe how the project helps advance or develop a solution to a water need identified through TAP-IN and other water innovation challenges. What is the problem/need/challenge?

--

Describe how this project impacts current or emerging trends; technologies; clusters, sectors, or groups in water innovation.

--

Last Updated: May 2021

Colorado Water Conservation Board
Water Plan Grant - Exhibit A

Statement Of Work	
Date:	6/30/2021
Name of Grantee:	Donala Water and Sanitation District
Name of Water Project:	Donala and Triview Collaborative ASR Concept Design
Funding Source:	Donala Water and Sanitation District, Triview Metropolitan District, CWCB CWP Grant
Water Project Overview:	
<p>Declining water levels in the Denver Basin are an identified critical risk to the groundwater-reliant Donala Water and Sanitation District (Donala), Triview Metropolitan District (Triview), and neighboring groundwater users. The districts have identified Aquifer Storage and Recovery (ASR) as a potential storage solution to creating a sustainable supply from the Denver Basin aquifers. LRE Water conducted a pilot study using one of Donala's Arapahoe aquifer wells in 2011. Approximately 1 acre-ft/day of treated, groundwater was successfully stored, and subsequently recovered, demonstrating the potential of ASR.</p> <p>Donala and Triview are seeking to expand the feasibility assessment, develop a regional engineering and legal framework for ASR, and develop a conceptual design for ASR pilot facilities. The proposed work includes:</p> <ol style="list-style-type: none"> 1. Regional ASR concept design and roadmap, 2. Pilot facilities concept design and cost estimating, 3. Water accounting model, 4. Water quality integration plan, 5. ASR pilot facility permitting, and 6. Community Workshop. 	



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The CWP grant will be used for partial funding of Tasks 1 through 6. If approved, these funds will:

- Demonstrate the viability of aquifer storage to store renewable water for subsequent use by Donala and Triview,
- Develop a regional ASR framework for other entities to follow and further develop in their local context,
- Develop a ‘regional ASR framework’ public document specific to the northern El Paso County region, and
- Share the recommendations for implementing regional ASR and lessons learned through a community workshop.

Project Objectives:

1. Develop a legal, financial, and engineering, framework for regional and cooperative Denver Basin ASR between Donala Water and Sanitation District and Triview Metropolitan District,
2. Design, permit, and operate ASR pilot facilities,
3. Demonstrate the viability of aquifer storage and store renewable water for subsequent use by Donala and Triview, and
4. Share the recommendations for implementing regional ASR and lessons learned in a community workshop.

Tasks

Task 1 – Regional ASR Concept Design and Roadmap

Description of Task:

The purpose of task 1 is develop a regional ASR concept design and roadmap including:

1. Select location for pilot operations.
2. Identify risks associated with regional ASR and mitigation strategies.
3. Identify a legal and financial roadmap to implement regional ASR.
4. Develop a project implementation schedule.

Method/Procedure:

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<p>Task 1 methods and procedures include:</p> <ol style="list-style-type: none"> 1. Identify which of Donala’s and Triview’s existing wells are suitable to retrofit as pilot ASR wells. 2. Identify the primary risks associated with developing and operating a regional Denver Basin ASR pilot project, and mitigation strategies for each. 3. Evaluate the location, quantity, and quality of the districts’ treated water sources. 4. Evaluate the water-rights and other legal requirements for a regional ASR system. 5. Collect water quality samples from existing wells and treated water sources. 6. Develop an ASR pilot and operational system implementation schedule. 7. Develop a legal and financial model for collaboration between Donala and Triview. 8. Develop a regional ASR pilot project roadmap. 9. Develop an ASR pilot and operational system implementation schedule.
<p>Deliverable:</p>
<p>The deliverable of this task is a Donala and Triview Regional ASR Concept Design Package which will include:</p> <ol style="list-style-type: none"> 1. Concept level drawings, 2. A legal and financial model for operating a cooperative ASR system between Donala and Triview, 3. Implementation schedule, and 4. Water quality sampling and analysis results.

Tasks
<p>Task 2 – Pilot Facilities Concept Design and Cost Estimating</p>
<p>Description of Task:</p>
<p>Task 2 consists of:</p> <ol style="list-style-type: none"> 1. Develop site-specific concept designs to retrofit the wells selected in Task 1 to pilot ASR. 2. The concept design will include identifying downhole modifications, well control modifications, piping treated surface water and recovered water, and electrical. 3. Level 5 Cost Estimate for ASR Pilot System
<p>Method/Procedure:</p>

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<p>We will produce a concept-level ASR pilot facility layout for an existing well site. The layouts will include concept drawings, one-line diagrams, and a list of key infrastructure components needed for cost estimating. The cost estimate will include additional data collection activities, permitting, site acquisition (if required), facility design and construction, and annual operations. We will develop a schedule for construction, permitting, and operation of the pilot facilities.</p>
<p>Deliverable:</p>
<p>Task 2 deliverables are:</p> <ol style="list-style-type: none"> 1. Technical concept design memorandum, 2. Concept design drawings, and 3. Level 5 EOPCC and construction schedule.

Task 3
<p>Task 3– Water Accounting Methodology and Model</p>
<p>Description of Task:</p>
<p>Develop a water accounting methodology to track stored water, underground storage, and recovery to meet projected demands by entity, i.e. Donala and Triview. The method subtasks below will provide an approximate \$/AF range to develop and operate a Denver Basin ASR well system within the areal extent of the study.</p>
<p>Method/Procedure:</p>
<ol style="list-style-type: none"> 1. Identify and quantity supplies available for storage using currently available metering, monitoring, accounting, and reporting methodologies of each of the participants 2. Develop a water accounting methodology for available supplies, underground storage, and recovery to meet projected demands. That model will consider various regional partnering agreements scenarios. 3. Estimate capital costs (CapEx) of developing the Denver Basin ASR well facilities to meet the storage requirements in the accounting model. CapEx would include land acquisition (if needed), facility design, and facility construction (wells, structures, piping, treatment, etc.). 4. Estimate costs for operating and maintaining (OpEx) Denver Basin ASR well facilities. OpEx would include labor, chemicals, power, maintenance, ordinary equipment replacement, and regulatory compliance. 5. Develop a basic life-cycle cost (economic) model to estimate the \$/AF range for developing and operating Denver Basin ASR well facilities over a 40-year life-cycle.
<p>Deliverable:</p>

Last Updated: May 2021

The task 3 deliverable is a memo summarizing the water accounting model and economic evaluation.

Task 4

Task 4– Water Quality Integration Plan

Description of Task:

The purpose of Task 4 is to look for any “red flags” associated with the water quality and potential adverse reactions from the mixing of treated supplies groundwater. This task will include a review of available water quality, mixing modeling, and identification of data gaps.

Method/Procedure:

1. Determine suitability for regional Denver Basin ASR, and identify where water might be sourced along the system train; including an assessment of potential pre-injection treatment needs.
2. Analyze source water quality data to characterize the seasonal variability of key water quality constituents (e.g., pH, conductivity, alkalinity, major anions and cations). Compare these data to water quality data that are representative of the Denver Basin aquifers.
3. Conduct geochemical modeling, using PHREEQC, of a range of mixing ratios between Denver Basin groundwater and effluent profiles of the source water. Use the results to assess water compatibility. Geochemical modeling will not address water-rock interaction and compatibility. This will be accomplished during pilot testing.

Deliverable:

The deliverable for Task 4 is a water quality integration plan technical memorandum which will include a summary of water quality data and mixing modeling results.

Task 5

Task 5– ASR Pilot Facility Permitting

Description of Task:

The purposes of Task 5 are:

1. Identify an approach for permitting regional ASR system with the Colorado DWR.
2. Draft an EPA underground injection control (UIC) program rule authorization application for operation of the pilot facility.

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Method/Procedure:
<p>The procedures for Task 5 are:</p> <ol style="list-style-type: none"> 1. Meet with DWR staff to identify a permitting approach for regional ASR. 2. Meet with EPA to identify their expectations for a rule authorization. 3. Prepare EPA underground injection control program rule authorization application. 4. Collect water quality samples to address identified data gaps.
Deliverable:
<p>The deliverables for Task 5 are:</p> <ol style="list-style-type: none"> 1. Regional ASR permitting approach technical memorandum. 2. EPA underground injection control program rule authorization application.

Task 6
Task 6 – Community Workshop
Description of Task:
Present a framework for implementing regional ASR to northern El Paso County residents through a Community Workshop.
Method/Procedure:
<p>The procedure for Task 6 is:</p> <p style="padding-left: 40px;">We will plan, advertise, and deliver a free community workshop in person and online.</p>
Deliverable:
The deliverable for task 6 is a community workshop.

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.

Last Updated: May 2021

Reporting Requirements

Progress Reports: The applicant 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.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant'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.

The CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. 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.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to as part of the project documentation.

Performance Measures

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 in-kind contributions (if applicable) per the budget in Exhibit C. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

(b) Accountability: Per Water Plan 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 Water Plan 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.

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(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.



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Exhibit C

Budget, Schedule, and Engineer's Statement of Probable Cost

Prepared Date: 6/30/2021

Name of Applicant: Donala Water and Sanitation District

Name of Water Project: Donala and Triview Regional ASR Feasibility Study

Project Start Date: 10/1/2021

Project End Date: 8/28/2022

Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total
1	Regional Concept Design and Roadmap	10/1/2021	8/3/2022	\$40,668	\$13,556	\$54,224
2	Pilot Facilities Concept Design and Cost Estimating	11/5/2021	3/1/2023	\$19,263	\$6,421	\$25,684
3	Water Accounting Model	11/5/2021	3/1/2023	\$14,399	\$4,800	\$19,198
4	Water Quality Integration Plan	10/1/2021	8/3/2022	\$37,010	\$12,337	\$49,347
5	ASR Pilot Facility Permitting	10/1/2021	8/3/2022	\$29,103	\$9,701	\$38,804
6	Community Workshop	8/3/2022	8/28/2022	\$9,225	\$3,075	\$12,300
Total				\$149,668	\$49,889	\$199,557



Colorado Springs Utilities

It's how we're all connected

July 1, 2021

Colorado Water Conservation Board
Colorado Water Plan Grant Program
1313 Sherman St., Room 718
Denver, CO 80203
(303) 866-3441
waterplan.grants@state.co.us

Dear Mr. Stearns:

I am writing today to express Colorado Springs Utilities' strong support of the application of Donala Water & Sanitation District and Triview Metropolitan District for a Colorado Water Plan Grant. We believe their Collaborative ASR Design will provide a valuable benefit to the Pikes Peak Region by contributing to the body of knowledge regarding groundwater sustainability and storage of renewable water supplies in Northern El Paso County. Exploring ASR also advances the goals of the Colorado Water Plan and the Arkansas Basin Roundtable's Basin Implementation Plan to increase sustainability of groundwater supplies, explore innovative storage solutions, and address the water supply "gap" for growing communities along Colorado's Front Range.

While Colorado Springs Utilities is not currently a significant user of Denver Basin groundwater, we do have previous experience operating Denver Basin ASR systems and currently own and manage adjudicated water rights in the Basin. We believe continued study and evaluation of ASR is essential for determining its proper application along the Front Range. Furthermore, we are actively engaged, with both Donala and Triview, in a number of regional water management studies and arrangements to which this proposed work is pertinent.

As a Colorado water provider and water resource management entity, we recommend and encourage the approval of this Colorado Water Plan grant application.

Sincerely,

M. Patrick Wells, P.E.
General Manager
Resources and Demand Management

cc: Jim McGrady, Triview Metropolitan District
Jeff Hodge, Donala Water & Sanitation District

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