COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Plan

Water Project Summary

Name of Applicant	Blue River Valley Ranch Lakes Association
Name of Water Project	Blue River Valley Ranch Lakes Association Water Meter Installation
Grant Request Amount	**$235,271.00**
Primary Category	$235,271.00
Conservation & Land Use Planning	
Total Applicant Match	**$25,000.00**
Applicant Cash Match	
Applicant In-Kind Match	$25,000.00
Total Other Sources of Funding	**$235,271.00**
Colorado Drinking Water Revolving Fund	$235,271.00
Total Project Cost	**$495,542.00**

Applicant & Grantee Information

Name of Grantee: Blue River Valley Ranch Lakes Association
Mailing Address: PO Box 31 Silverthorne CO 80498

Organization Contact: Bruce Chameroy
Position/Title: HOA Trustee
Phone: 303-947-6698
Email: bhchameroy@yahoo.com

Organization Contact - Alternate: Pete Rubin
Position/Title: President
Phone: 216-440-2073
Email: pete44r@gmail.com

Grant Management Contact: Bruce Chameroy
Position/Title: HOA Trustee
Phone: 303-947-6698
Email: bhchameroy@yahoo.com

Grant Management Contact - Alternate: Pete Rubin
Position/Title: President
Phone: 216-440-2073
Email: pete44r@gmail.com

Description of Grantee/Applicant

Blue River Valley Ranch Lakes Association has an application submitted for SFR loan funding for water system improvements, including a storage tank, a new well, emergency interconnect and individual service meters. We would like to apply for grant funding for the installation of water meters to encourage water conservation. There are currently no individual meters in the water system.

Type of Eligible Entity

- [ ] Public (Government)
- [ ] Public (District)
- [ ] Public (Municipality)
- [ ] Ditch Company
- [x] Private Incorporated
- [ ] Private Individual, Partnership, or Sole Proprietor
- [ ] Non-governmental Organization
- [ ] Covered Entity
- [ ] Other

Category of Water Project

- [ ] Agricultural Projects
  Developing communications materials that specifically work with and educate the agricultural community on headwater restoration, identifying the state of the science of this type of work to assist agricultural users among others.
- [x] Conservation & Land Use Planning
  Activities and projects that implement long-term strategies for conservation, land use, and drought planning.
- [ ] Engagement & Innovation Activities
  Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website.
- [ ] Watershed Restoration & Recreation
  Projects that promote watershed health, environmental health, and recreation.
- [ ] 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 and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.

Location of Water Project

Latitude	39.751729
Longitude	-104.992107
Lat Long Flag	Water district centroid: Coordinates based on centroid of water district boundary
Water Source	Blue River Valley Ranch Lakes Association owns the tributary well which is the domestic water supply for the 46 residences in the association. The well was decreed in 1973 for municipal purposes with an appropriation date of November 1, 1962.
Basins	Colorado
Counties	Summit
Districts	36-Blue River Basin

Water Project Overview

Major Water Use Type	Municipal
Type of Water Project	Design & Construction
Scheduled Start Date - Design	6/1/2023
Scheduled Start Date - Construction	5/1/2025
Description	

Blue River Valley Ranch Lakes Association has been approved for SFR loan funding for water system improvements; including a storage tank, a new well, emergency interconnect and individual service line water meters. This application is for grant funding for the installation of water meters to encourage water conservation. There are currently no individual meters in the water system.

Measurable Results

	New Storage Created (acre-feet)
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
	Existing Storage Preserved or Enhanced (acre-feet)
	New Storage Created (acre-feet)
	Length of Stream Restored or Protected (linear feet)
	Length of Pipe, Canal Built or Improved (linear feet)
$2,000	Efficiency Savings (dollars/year)
3	Efficiency Savings (acre-feet/year)
	Area of Restored or Preserved Habitat (acres)
	Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement (acre-feet)
30,500	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
115	Number of Coloradans Impacted by Engagement Activity
Other	

Having the ability to determine and correct water system losses, encourage conservation, reduce system consumption will ultimately preserve the Blue River basin alluvium.

Water Project Justification

The water meter installation project is part of an overall domestic (potable) water system improvement project. The installation of individual water meters and curb stops will provide a way to shut off a water line in the event of a line break in the home or on the service line. This minimizes excessive water loss by being able to find leaks and shut off an individual service line. Installation of individual water meters will also provide a means to bill the customer based on consumption, encourage conservation and be able to detect and correct system water losses. Monitoring of system losses will also help to determine when water line repairs and distribution line replacements need to be made. The water system improvements are based in part on reoccurring CDPHE Sanitary Survey recommendations to install individual water meters.

This project will go a long way in reducing overall future water needs by first being able to see how much water is being consumed by each individual service. It's difficult to implement water conservation measures if you cannot measure the amount of water being used.

Once the meters are installed, then locally adopted water conservation, efficiency and drought management plans can be implemented.

Part of the project when complete will be to promote water efficiency and encourage the installation of water efficient fixtures.

The project advances water conservation planning efforts by being able to detect excess water use in the home. Installation of individual water meters takes the first step in being able to implement water conservation and efficiency measures, and the ability to implement water loss and drought planning programs.

Related Studies

A Project Needs Assessment was completed by Merrick & Company Engineering Firm and submitted to CDPHE Drinking Water Revolving Fund program.

Taxpayer Bill of Rights
No Tax Bill of Rights provided