

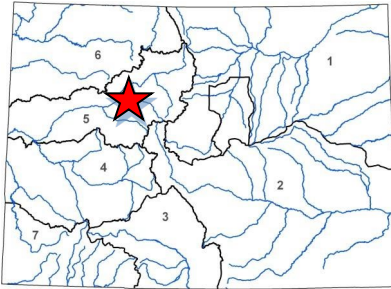


Avon's Benchmark Reservoir Conservation Project: New Irrigation System and Demonstration Gardens (Design Phase) Town of Avon

March 2023 Board Meeting

Water Plan Grant Application

Lat: 39.0000
Long: -106.0000



LOCATION

County: Eagle

Drainage Basin: Colorado

DETAILS

Total Project Cost:	\$80,000
Water Plan Grant Request:	\$60,000
Recommended Amount:	\$60,000
Other CWCB Funding:	\$0
Other Funding Amount:	\$0
Applicant Match:	\$20,000
Project Type:	Design/Planning
Project Category:	Conservation & Land Use
Measurable Result:	Up to 5 million irrigation gallons saved annually

The water plan grant will support the design of a new irrigation system for Harry A. Nottingham Park and surrounding streetscape that would replace an irrigation system that is over 40 years old and exceeded its useful life. Currently there is an annual consumptive water loss nearing 5 million gallons. In addition, the project includes funding for the design of new "demonstration gardens" for future installations in the park. The gardens would provide an educational component about the Colorado River Basin and demonstrate compliance with landscape regulations and planted materials that would comply with the town's water conservation efforts. The Town recently launched a review of its Municipal Code section for landscaping standards to address land use and water management from a holistic approach. These standards will be in place prior to the beginning of the project. The Town will work with engineering consultants to design the new irrigation system and demonstration gardens according to current best management practices.



Water Plan Support: *Action Areas*-Vibrant Communities- Create low water use landscapes, Resilient Planning- Conservation-oriented outreach and education; *Supporting Plan*- 2022 Town of Avon Irrigation System Assessment and Recommendations

WPG Request:75%

Matching Funds: Town of Avon: \$20,000

Funding Recommendation: Staff recommends Board approval of \$60,000 to the Town of Avon for the Benchmark Reservoir Conservation Project: New Irrigation and Demonstration Gardens (Design Phase).



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan

Water Project Summary

Name of Applicant	Town of Avon
Name of Water Project	Avon's Benchmark Reservoir Conservation Project: New Irrigation System and Demonstration Gardens (Design Phase)
Grant Request Amount	\$60,000.00
Primary Category	\$60,000.00
<i>Conservation & Land Use Planning</i>	
Total Applicant Match	\$0.00
<i>Applicant Cash Match</i>	\$0.00
<i>Applicant In-Kind Match</i>	\$0.00
Total Other Sources of Funding	\$20,000.00
<i>CWCB: Water Plan Grant Program:</i>	
<i>Conservation & Land Use Planning</i>	
<i>Town of Avon</i>	\$20,000.00
Total Project Cost	\$80,000.00

Applicant & Grantee Information

Name of Grantee: Town of Avon
Mailing Address: PO Box 975
100 Mikaela Way Avon CO 81620
FEIN: 840,771,088

Organization Contact: Patty McKenny
Position/Title: Deputy Town Manager
Phone: (970) 748-4021
Email: pmckenny@avon.org

Organization Contact - Alternate: Eric Heil
Position/Title: Town Manager
Phone: 970-748-4004
Email: eheil@avon.org

Grant Management Contact: Patty McKenny
Position/Title: Deputy Town Manager
Phone: (970) 748-4021
Email: pmckenny@avon.org

Grant Management Contact - Alternate: Eric Heil
Position/Title: Town Manager
Phone: 970-748-4004
Email: eheil@avon.org

Description of Grantee/Applicant

No description provided

Type of Eligible Entity

- ☐ Public (Government)
- ☐ Public (District)
- ☒ Public (Municipality)
- ☐ Ditch Company
- ☐ 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.
- ☒ 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	39.000000
Longitude	106.000000
Lat Long Flag	
Water Source	Eagle River and Buck Creek (Eagle River Watereshed)
Basins	Colorado
Counties	Eagle
Districts	37-Eagle River Basin

Water Project Overview

Major Water Use Type	Municipal
Type of Water Project	Design / Engineering
Scheduled Start Date - Design	4/3/2023
Scheduled Start Date - Construction	3/4/2024
Description	The Town of Avon seeks \$60,000 of grant funding from the Colorado Water Plan Grants Program offered by the Colorado Water Conservation Board to help fund the design phase of Avon's Benchmark Reservoir Conservation Project. The Town submits that the project addresses the objectives outlined in the Conservation & Land Use

Planning category. The Town would support the design phase of the project with a funding contribution (local match) of \$20,000. The total funding of \$80,000 would support the design of a new irrigation system for Harry A. Nottingham Park and surrounding streetscape that would replace an irrigation system that is over 40 years old and exceeded its useful life. The result is an annual consumptive water loss nearing 5 million gallons. In addition, the project includes funding for the design of new “demonstration gardens” for future installations in the park. The gardens would provide an educational component about the Colorado River Basin and demonstrate compliance with landscape regulations and planted materials that would comply with the town’s water conservation efforts. The Town recently launched a review of its Municipal Code section for landscaping standards to address land use and water management from a wholistic approach. There will be an assessment of the town’s water rights, irrigation practices, turf evaluation, and overall water usage completed next year. See Exhibit B for complete Project Profile

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)
 Efficiency Savings (dollars/year)
 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)
 Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
 Number of Coloradans Impacted by Engagement Activity

Other

No additional measurable results provided

Water Project Justification

The Colorado Mainstem Basin encompasses approximately 9,830 square miles. By 2050, the Colorado Basin could need between between 62,000 acre feet (AF) and 101,000 AF for new municipal and industrial (M&I) demands with passive conservation included. Avon’s “Benchmark Reservoir Conservation Project” supports the Colorado Water Plan because it is critical to conserve water in the Colorado Basin and because the project aligns with the Colorado Basin Implementation Plan (Colorado BIP). The project supports Theme 6 of the Colorado BIP, since it encourages a high level of basinwide conservation. This project will aggressively conserve water, while educating the public on the importance of water conservation both in their homes and at municipal facilities such as Harry A. Nottingham Park. The project will fulfill the goal set for Theme 6 of pursuing continued municipal and industrial (M&I) conservation and will highlight the importance of the “Undercurrents” of climate change and education added to the Colorado BIP in 2021 through its educational campaign. The demonstration gardens and interpretative signage in Harry A. Nottingham Park and educational campaign to residents and businesses will address Strategy 7 of the Colorado BIP to increase education among the general public about Colorado Basin water issues and efforts.

Related Studies

Please refer to Exhibit E - Town of Avon Colorado, Park and Town Center Irrigation System Assessment

Taxpayer Bill of Rights

The Town of Avon will not have any implications from the Taxpayer Bill of Rights legislation.