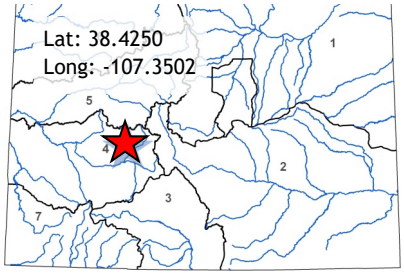
COLORADO
Colorado Water Conservation Board
Department of Natural Resources

DDWC Water Storage and Efficiency Improvements
Deutsch Domestic Water Company

September 2022 Board Meeting

Water Plan Grant Application



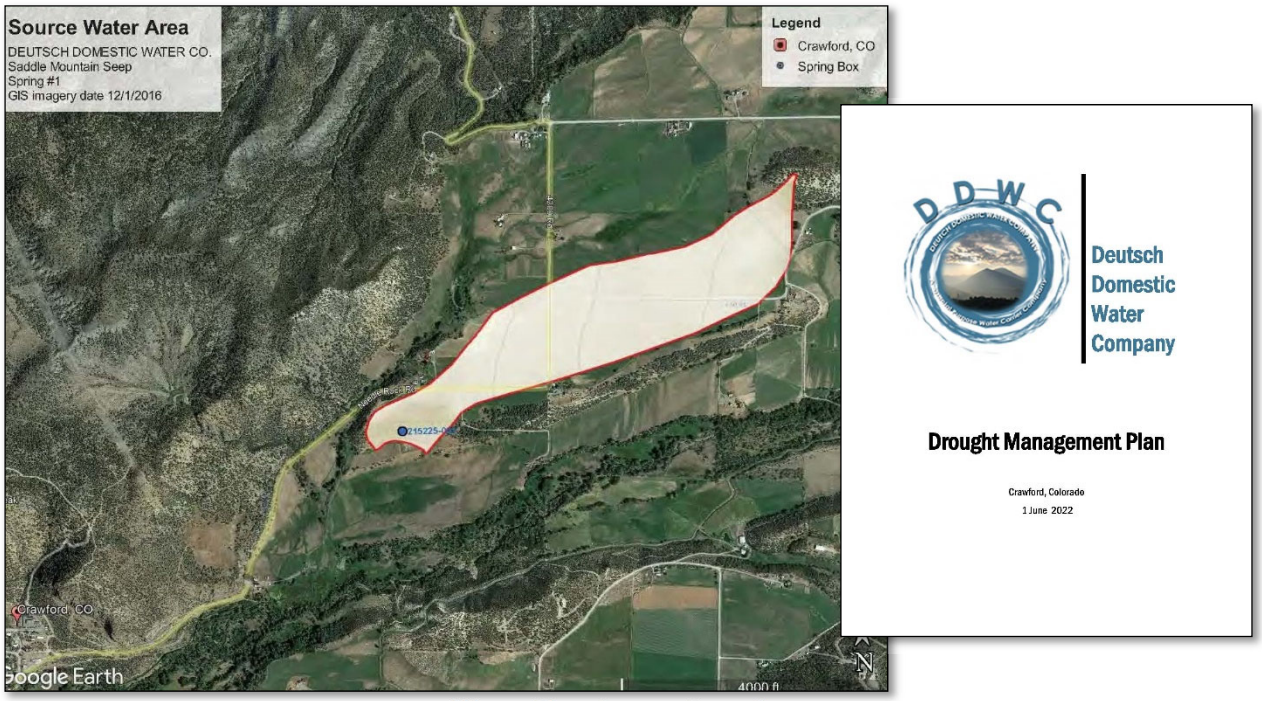
DETAILS	
Total Project Cost:	$1,180,000
Water Plan Grant Request:	$585,000
Other CWCB Funding:	$0
Other Funding Amount:	$585,000
Applicant Match:	$10,000
Project Type(s):	Construction
Project Category:	Water Storage and Supply
Measurable Result:	0.75 AF created

LOCATION	
County/Counties:	Delta
Drainage Basin:	Gunnison

Deutsch Domestic Water Company (Company) provides primarily residential water service for approximately 277 people southeast of the Town of Crawford. The Company has water rights for both groundwater (Saddle Mountain Seep), and surface water (Young Ditch) supplies in the area and recently completed a Drought Management Plan with the help of a WSRF grant. That plan identified a shortfall of capacity during peak water usage hours, particularly in drought years. The system currently has limited storage, and as a consequence spills about 50% of their groundwater during off-peak hours.

This project will design and construct strategically placed storage for both raw and treated water to help meet on-peak demand, and maximize the use of decreed water rights. It will also include upgrading some existing storage to achieve operational efficiencies savings of approximately 130 AF per year and provide drought mitigation for the Company and its users. Funding for the project will come from this grant, matching funds from a Bureau of Reclamation WaterSMART grant (application currently under review), and Company cash.

Funding Recommendation: Staff recommends approval of the full request in the amount of $585,000 from the Water Storage and Supply Category. This is approximately 50% of total costs. This project aligns with the Water Plan's measureable goal of creating 400,000 AF of water storage by 2050 by providing new storage in the Gunnison basin.



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Water Plan

Water Project Summary

Name of Applicant	Deutsch Domestic Water Company, Inc	
Name of Water Project	DDWC Water Storage and Efficiency Improvements	
Grant Request Amount		**$585,000.00**
Primary Category		$585,000.00
Water Storage & Supply		
Total Applicant Match		**$10,000.00**
Applicant Cash Match		$10,000.00
Applicant In-Kind Match		
Total Other Sources of Funding		**$585,000.00**
US Bureau of Reclamation		$585,000.00
Total Project Cost		**$1,180,000.00**

Applicant & Grantee Information

Name of Grantee: Deutsch Domestic Water Company, Inc
Mailing Address: PO Box 45 Crawford CO 81415
FEIN: 800,187,936

Organization Contact: Austin Hobbs
Position/Title: CEO
Phone: 9072324409
Email: hobbsalaska@msn.com

Organization Contact - Alternate: Lori Hobbs
Position/Title: Manager
Phone: 9072323425
Email: lorihobbs587@msn.com

Grant Management Contact: Austin Hobbs
Position/Title: CEO
Phone: 9072324409
Email: hobbsalaska@msn.com

Grant Management Contact - Alternate: Lori Hobbs
Position/Title: Manager
Phone: 9072323425
Email: lorihobbs587@msn.com

Engineering Contact: Teryl Stacey
Position/Title: Engineering Manager
Phone: 6053937517
Email: teryl.stacey@gmail.com

Description of Grantee/Applicant

Grant Application for Storage and Water Efficiency Improvements

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	38.425000
Longitude	107.350244
Lat Long Flag	Precise coordinates: Project coordinates are readily definable and precisely define the location of the project
Water Source	Smith Fork of the Gunnison River.
Basins	Gunnison
Counties	Delta
Districts	40-North Fork/Tribs.

Water Project Overview

Major Water Use Type	Municipal
Type of Water Project	Construction
Scheduled Start Date - Design	4/1/2023
Scheduled Start Date - Construction	4/1/2024

Description

A multi-beneficial project that results in about 240,000 gallons of additional raw and treated water storage to better manage and more efficiently use about 157 AFY of existing decreed Smith Fork supply that results in the full use of these water rights, improves operational efficiencies, mitigates drought impacts, and meets anticipated population growth needs.

Incudes an engineering feasibility study with a detailed design for strategically placed raw and treated water storage capacity to maximize the use of existing decreed water rights by making beneficial use of off-peak spillage to help meet on-peak demand, mitigate drought impacts, improve operational efficiencies, and meet anticipated population growth with follow-on construction.
About 50% of our groundwater resource (about .093 cfs from Saddle Mountain Seep) is currently used to meet tap holder demand with the other 50% being lost to off-peak overflow spillage and the inability to make full use of existing decreed surface water rights (.25 cfs from Young Ditch).
With this project, we intend to shift and use as much of our off-peak spillage as possible to fill strategically placed storage to help meet on-peak demands to maximize the use of existing decreed water rights resulting in the better management and maximizing the use of about 157 AFY of decreed Smith Fork supply.
A relatively small "shovel-ready" project that requires minimal feasibility and design work to quickly add significant new storage capacity, dramatically improve operational efficiencies, provide drought mitigation, and conserve resources.
Incudes an engineering feasibility study with a detailed design for strategically placed raw and treated water storage capacity to maximize the use of existing decreed water rights, make beneficial use of off-peak spillage to help meet on-peak demand, mitigate drought impacts, improve operational efficiencies and meet anticipated population growth with follow-on construction.
Currently, about 50% of our groundwater resource (about .093 cfs from Saddle Mountain Seep) is currently used to meet tap holder demand with the other 50% being lost to overflow spillage and the inability to make full use of existing decreed surface water rights (.25 cfs from Young Ditch).

Measurable Results

1	New Storage Created (acre-feet)
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
	Existing Storage Preserved or Enhanced (acre-feet)
1	New Storage Created (acre-feet)
	Length of Stream Restored or Protected (linear feet)
	Efficiency Savings (dollars/year)
130	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)
525	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
525	Number of Coloradans Impacted by Engagement Activity

Other

The feasibility study will determine the optimum locations and volumes for additional raw and treated water storage capacity to achieve the project objectives generally as follows.

Water Project Justification

A multi-beneficial project that results in about 240,000 gallons of additional raw and treated water storage to better manage and more efficiently use about 157 AFY of existing decreed Smith Fork supply that results in the full use of these water rights, improves operational efficiencies, mitigates drought impacts, and meets anticipated population growth needs.
Incudes an engineering feasibility study with a detailed design for strategically placed raw and treated water storage capacity to maximize the use of existing decreed water rights by making beneficial use of off-peak spillage to help meet on-peak demand, mitigate drought impacts, improve operational efficiencies, and meet anticipated population growth with follow-on construction.
About 50% of our groundwater resource (about .093 cfs from Saddle Mountain Seep) is currently used to meet

tap holder demand with the other 50% being lost to off-peak overflow spillage and the inability to make full use of existing decreed surface water rights (.25 cfs from Young Ditch).
With this project, we intend to shift and use as much of our off-peak spillage as possible to fill strategically placed storage to help meet on-peak demands to maximize the use of existing decreed water rights that result in the conservation of as much as 30 AFY of limited supply.
A relatively small shovel-ready project that requires minimal feasibility and design work to quickly add significant new storage capacity, dramatically improved operational efficiencies, provide drought mitigation, and conserve resources.

Related Studies

Augmentation Plan
Drought Management Plan

Taxpayer Bill of Rights

NA