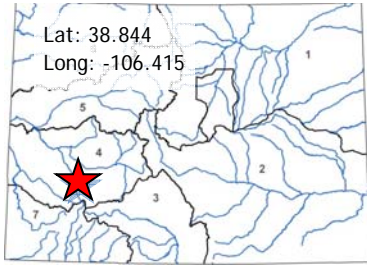




Addressing Water Quality with a Vault Toilet at Cottonwood Pass Day Use Area Gunnison Angling Society, Trout Unlimited

May 2019 Board Meeting

Water Plan Grant Application



| L O C A T I O N | |
|-------------------|----------|
| County/Countries: | Gunnison |
| Drainage Basin: | Gunnison |

| D E T A I L S | |
|-------------------------------|---|
| Total Project Cost: | \$39,000 |
| Water Plan Grant Request: | \$7,000 |
| Recommended amount: | \$0 |
| Other CWCB Funding: | \$10,000 |
| Other Funding Amount: | \$20,000 (\$5,000 in-kind) |
| Applicant Match: | \$2,000 (\$1,000 in-kind) |
| Project Type(s): | Construction |
| Project Category(Categories): | Environment and Recreation |
| Measurable Result: | 7.86 miles of stream and Taylor Park Reservoir water quality protected. |

Trout Unlimited (TU) is the nation's largest coldwater conservation organization with approximately 150,000 volunteers and roughly 277 employees working to protect, reconnect, restore and sustain America's fisheries. Gunnison Angling Society is the local chapter of Trout Unlimited represented of approximately 140 volunteer members of the Gunnison Valley.

This project proposes to install a double vault toilet on the Taylor Park (west side) of Cottonwood Pass in an effort to preclude contaminating the watershed above Taylor Park Reservoir with human waste and E. coli. Cottonwood Pass is a high mountain pass located in the Sawatch Range west of Buena Vista. Road 209 connects Crested Butte and the Taylor Park area to Buena Vista over Cottonwood Pass. This road has been closed for 2 years for repaving and is set to re-open in 2019. Based on previous use and a new day use pullout area near the top of Cottonwood Pass, the route is expected to see significant use. Currently there are no restroom facilities on the entire pass.

This project supports the goals of the Colorado Water Plan by promoting a strong environment that includes healthy watersheds, rivers and streams, and wildlife. Additionally, this project will protect existing uses in the Gunnison Basin, including recreation and tourism near Taylor Park, a major economic driver for the Gunnison Basin, which is the first goal of the Gunnison Basin Implementation Plan.

The application materials include a letter of support from the USFS and it is anticipated that the USFS will provide a portion of the funding as well as in-kind services to assist in ordering the toilets and signs, and installing picnic tables.



FIGURE 1. MAP OF THE TAYLOR RESERVOIR AREA AND COTTONWOOD PASS HIGHWAY

| Colorado Water Conservation Board-Water Plan Grant Application | | | | | | |
|---|-----------------------|---------------------------|-----------|--|-----------------------------------|----------|
| EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs | | | | | | |
| Date: 1/30/2019 | | | | | | |
| Water Activity Name: Addressing Water Quality with a Vault Toilet at Cottonwood Pass Day Use Area | | | | | | |
| Grantee Name: Gunnison Angling Society, A Chapter of Trout Unlimited | | | | | | |
| Task No. | Description | Start Date ⁽²⁾ | End Date | Matching Funds (cash & in-kind) ⁽³⁾ | Colorado Water Conservation Board | Total |
| 1 | Concrete Vault Toilet | 6/1/2019 | 7/1/2019 | Water Supply Reserve Fund \$10,000 cash US Forest Service \$1,000 Cash, \$4,000 in-kind Partners:NFF, GOATs HCCA, Gunnison County \$2,000 Upper Gunnison River Watershed Conservator District \$12,000 TU \$1,000 cash | \$7,000 | \$33,000 |
| 2 | Signs and Tables | 6/1/2019 | 7/30/2019 | Forest Service \$1,000 in-kind, Tu \$1,000 in-kind | \$0 | \$2,000 |
| Total | | | | \$32,000 | \$7,000 | \$39,000 |

Last Updated: November 2018

Reporting Requirements

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 CWCB in hard copy and electronic format 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 B. 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.

(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.

Last Updated: November 2018

| Tasks |
|---|
| <p>Forest Service will order the signs and use partner's in-kind time to install signs and picnic tables.</p> |
| <p>Deliverable:</p> |
| <p>2-3 hwy sized signs and 3-4 picnic tables. We will provide photos of constructed signs and tables.</p> |

Repeat for Task 3, Task 4, Task 5, etc.

| Budget and Schedule |
|--|
| <p>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.</p> |

| Reporting Requirements |
|---|
| <p>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.</p> |

Last Updated: November 2018

| Tasks |
|---|
| We will provide documentation and photos of the toilet installation and completion. |

| Tasks |
|---|
| Task 2 – Signage and Picnic Tables |
| Description of Task: The second phase is installing signs to direct travelers to the day use area and let them know this is the only toilet on the Cottonwood pass road. Forest service is also planning to install picnic tables at the day use area. |
| Method/Procedure: |

Last Updated: November 2018

This project has two parts. Part one is to purchase a concrete vault toilet and have it installed on Cottonwood pass at the day use area. The second is installing signs to direct the travelers to the day use area and let them know this is the only toilet on the Cottonwood pass road. Forest service also plans to provide picnic tables to encourage people to stop and use the restroom.

| Tasks | |
|--|--|
| Task 1 – Purchas and install concrete vault toilet | |
| Description of Task: | |
| The Forest Service will purchase the concrete toilet from Boom Concrete. They will make the structure off site and deliver to Cottonwood Pass. Project partners will hire a local contractor to dig the foundation, and Boom Concrete will set the toilet upon arrival and make adjustment so it is ready for use. | |
| Method/Procedure: | |
| This will be done by a contractor that has a good standing reputation of installing vault toilets. | |
| Deliverable: | |

Last Updated: November 2018

| Colorado Water Conservation Board | |
|--|--|
| Water Plan Grant - Exhibit A | |
| Statement Of Work | |
| Date: | 1/22/2018 |
| Name of Grantee: | Gunnison Angling Society - Trout Unlimited |
| Name of Water Project: | Addressing Water Quality with a Vault Toilet at Cottonwood Pass Day Use Area |
| Funding Source: | CWP Grant – Environmental and Recreation Category |
| Water Project Overview: | |
| <p>This project will address water quality with a vault toilet at Cottonwood Pass day use area. The proposed vault toilet will be installed at the day use area on Cottonwood Pass on the Taylor Park side of the pass. Cottonwood Pass is scheduled for partial opening in 2019. The new pass will be paved from Buena Vista, CO to Taylor Park Reservoir. As part of the road contract package, there will be a day use area pullout created. The day use area is 11 miles from the Taylor Park Reservoir and in the same watershed as the Reservoir. Currently there are no restroom on the entire pass.</p> <p>This is a water quality related to recreation project. Based on observations of use, previous to the road improvement, there are large numbers of travelers over the pass which will result in impacts to the forest and watershed, particularly near the viewing area/day use pullout. These impacts will certainly include contamination of water resources from human waste containing E. coli. Without a restroom, human waste and E. coli will contaminate the watershed above Taylor Park Reservoir, creating a risk for downstream water users as well as the health of the watershed. Environmental Compliance- Clean Water Act</p> | |
| Project Objectives: | |

Last Updated: November 2018

| Submittal Checklist | |
|---|--|
| x | I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . |
| Exhibit A | |
| x | Statement of Work ⁽¹⁾ |
| x | Budget & Schedule ⁽¹⁾ |
| | Engineer's statement of probable cost (projects over \$100,000) |
| x | Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾ |
| Exhibit C | |
| | Map (if applicable) ⁽¹⁾ |
| | 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⁾ |
| | Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization) |
| Engagement & Innovation Grant Applicants ONLY | |
| | Engagement & Innovation 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: November 2018

| 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. | | | | |
| Grant Name | Agreement Number | Amount | Start Date | End Date |
| Irrigators in Kremmling | CTGG1 2017-0667 | \$465,400 | 11/29/2016 | 9/30/2018 |
| Redburn Ranch Diversion Dam | CTGG1 2015-2791 | \$148,500 | 1/27/2015 | 6/1/2018 |
| San Miguel River Stream Management Plan Pilot | POGG1 2016-0800 | \$96,413 | 3/22/2016 | 6/1/2018 |
| Ware Hinds Fish Bypass | POGG1 2017-0749 | \$63,500 | 2/14/2017 | 12/31/2018 |
| Windy Gap Reservoir Bypass | POGG1 2016-0900 | \$30,000 | 5/18/2016 | 1/31/2017 |
| W-Mountain Ranch Restoration | POGG1 2016-0610 | \$15,000 | 1/8/2015 | 5/31/2017 |
| Kerber Creek Restoration | POGG1 2015-0286 | \$30,000 | 6/10/2015 | 10/31/2016 |
| River Ranch Irrigation Diversion | CTGG1 2015-3313 | \$113,000 | 6/9/2015 | 5/31/2016 |
| South Arkansas River Restoration | POGG1 2015-0175 | \$10,000 | 11/14/2016 | 10/31/2016 |
| Upper Ohio Creek Flow Restoration | POGG1 2015-0161 | \$6,000 | 10/10/2016 | 12/31/2014 |
| Tomichi Water Conservation Program | POGG1 2018-901 & 902 | \$109,500 (50%) | 5/4/2018 | 5/4/2018 |
| 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. | | | | |
| None | | | | |

Last Updated: November 2018

| | | |
|---|-------|--|
| x | Other | Explain: Meeting the Clean Water Act and preventing this stream from becoming listed as a 303d impaired stream for E.coli. |
|---|-------|--|

Water Project Justification

Provide a description of how this water project supports the goals of [Colorado's Water Plan](#), the most recent [Statewide Water Supply Initiative](#), 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;)

As emphasized in Chapter 1 of Colorado's Water Plan, this is a collaborative project that will compliment two of the three values listed in the same chapter; "Efficient and effective water infrastructure promoting smart land use; and a strong environment that includes healthy watersheds, rivers and streams, and wildlife." (Chapter 1, page 6 CWP)

Additionally, this project will protect existing uses in the Gunnison Basin, including recreation and tourism near Taylor Park, a major economic driver for the Gunnison Basin, thereby achieving goal number one of the Gunnison Basin Implementation Plan.

This project will also compliment goal number 5 of the Gunnison BIP; Quantify and protect environmental and recreational water uses.

As mentioned on page 20 of the Gunnison BIP under Water Related Recreation; the Gunnison basin supports a "robust recreational economy, much of which is tied directly to water". This project will help support and protect this vital segment of the economy.

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.

Last Updated: November 2018

Cottonwood Pass, also called road 209 connects Taylor Reservoir area to Buena Vista. This road has been closed for 2 years for paving and will re-open the summer of 2019. Part of the road improvement will include a day use pullout area near the top of Cottonwood Pass.

Based on observations of use, previous to the road improvement, there will be a large number of users traveling over the pass which will result in impacts to the forest and watershed, particularly near the viewing area.

These impacts will certainly include contamination of water resources from human waste containing E. coli. Without a restroom, human waste and E. coli will contaminate the watershed above Taylor Park Reservoir, creating a risk for downstream water users as well as the health of the watershed.

The Colorado Water Quality Control Commission (WQCC) administers the Clean Water Act in Colorado. The Clean Water Act mandates the protection of designated water uses. Many waterbodies within the Grand Mesa, Uncompahgre, and Gunnison National Forest are classified for recreational water use. The WQCC has adopted E. coli standards to protect recreational water users from sickness that may result from ingesting incidental amounts of water (e.g. splashes encounter while swimming, boating or fishing). USFS lands may be a source of E. coli due to dispersed camping, recreation, human waste issues, and grazing adjacent to waterbodies.

This project will install a double vault toilet on the Taylor Park (West) side of the past which will greatly reduce the impacts of human waste entering the watershed. This project will also install signs to direct traffic

There needs to be a functioning toilet if we want to preserve water quality of Taylor Reservoir and to protect downstream users and fish populations.

| Measurable Results | |
|--|---|
| To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable: | |
| | New Storage Created (acre-feet) |
| | New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive |
| | Existing Storage Preserved or Enhanced (acre-feet) |
| 41,480 ft (7.86 miles) stream miles and Taylor Park Reservoir | Length of Stream Restored or Protected (linear feet) |
| | Efficiency Savings (indicate acre-feet/year OR dollars/year) |
| | Area of Restored or Preserved Habitat (acres) |
| | Quantity of Water Shared through Alternative Transfer Mechanisms |
| | Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning |
| | Number of Coloradans Impacted by Engagement Activity |

Last Updated: November 2018

| | | |
|---|--|----------|
| | <p>Water Storage - 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..</p> <p><i>Applicable Exhibit A Task(s):</i></p> | |
| | <p>Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning.</p> <p><i>Applicable Exhibit A Task(s):</i></p> | |
| | <p>Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website.</p> <p><i>Applicable Exhibit A Task(s):</i></p> | |
| | <p>Agricultural - Projects that provide technical assistance and improve agricultural efficiency.</p> <p><i>Applicable Exhibit A Task(s):</i></p> | |
| X | <p>Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation.</p> <p><i>Applicable Exhibit A Task(s):</i></p> | |
| | 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 | Gunnison County |
| Latitude | 38°50'37.58"N |
| Longitude | 106°24'54.78"W |

| Water Project Overview |
|--|
| <p>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.</p> <p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.</p> |

Last Updated: November 2018

Trout Unlimited (TU) is the nation's largest coldwater conservation organization with approximately 150,000 volunteers and roughly 277 employees working to protect, reconnect, restore and sustain America's fisheries

Gunnison Angling Society is the local chapter of Trout Unlimited represented of approximately 140 volunteer members of the Gunnison Valley.

TU and its chapter organizations are dedicated to the mission of conserving, protecting and restoring North America's coldwater fisheries and their watersheds.

We are the Gunnison Chapter of Trout Unlimited, located in Gunnison, Colorado. Our chapter was founded on December 5, 1969. We are a relatively small chapter in the Rocky Mountains with about 140 members, some of whom are from outside the state of Colorado. Our local members are mostly residents of Gunnison, Almont, and Crested Butte. The Gunnison Angling Society assists on both the local and state level to support the TU mission:

To conserve, protect and restore North America's coldwater fisheries and their watersheds.

| Type of Eligible Entity (check one) | |
|-------------------------------------|---|
| | 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. |
| | Public (Districts): Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises. |
| | Private Incorporated: Mutual ditch companies, homeowners associations, corporations. |
| | Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding. |
| X | 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) | |
|--|---|
| | Study |
| X | Construction |
| | Identified Projects and Processes (IPP) |
| | Other |

| Category of Water Project (check the primary category that applies and include relevant tasks) | |
|--|--|
| | |



Last Updated: November 2018

| | |
|--------------------|---|
| Total Project Cost | \$39,000 (\$33,000 cash, \$6,000 in-kind) |
|--------------------|---|

| Applicant & Grantee Information |
|--|
| Name of Grantee(s) Gunnison Angling Society local TU chapter |
| Mailing Address P.O. Box 365 Almont, CO 81210 |
| FEIN 237188807-02 |
| Organization Contact Briant Wiles |
| Position/Title President |
| Email briant.wiles@gmail.com |
| Phone 970-485-3516 |
| Grant Management Contact Jesse Kruthaupt |
| Position/Title TU staff |
| Email jkruthaupt@tu.org |
| Phone 970-209-0976 |
| 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). |

Last Updated: November 2018

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 Projects
Conservation, Land Use Planning
Engagement & Innovation Activities
Agricultural Projects
Environmental & Recreation
Projects

Anna.Mauss@state.co.us
Kevin.Reidy@state.co.us
Ben.Wade@state.co.us
Alexander.Funk@state.co.us
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 | Gunnison Angling Society, A Chapter of Trout Unlimited | |
| Name of Water Project | Addressing Water Quality with a Vault Toilet at Cottonwood Pass Day Use Area | |
| CWP Grant Request Amount | \$7,000 | |
| Other Funding Sources <u>Water Supply Reserve</u> Fund Gunnison Basin. | \$10,000 | |
| Other Funding Sources <u>US Forest Service</u> | \$1,000 cash, \$5,000 in-kind | |
| Other Funding Sources <u>NFF, GOATs, HCCA and</u> Gunnison County | \$2,000 (pending approval) | |
| Other Funding Sources <u>UGRWCD</u> | \$12,000 (pending approval) | |
| Applicant Funding Contribution TU | \$1,000 cash, \$1,000 in-kind | |