



Last Update: September 18, 2020

4Colorado Water Conservation Board

Water Supply Reserve Fund Grant Application

Instructions

All WSRF grant applications shall conform to the current [2020 WSRF Criteria and Guidelines](#).

To receive funding from the WSRF, a proposed water activity must be recommended for approval by a Roundtable(s) **AND** the approved by the Colorado Water Conservation Board (CWCB). The process for roundtable consideration and recommendation is outlined in the 2020 WSRF Criteria and Guidelines. The CWCB meets bimonthly.

If you have questions, please contact the WSRF Grant Program Manager (for all Roundtables) or your Roundtable Liaison:

Ben Wade
ben.wade@state.co.us
 303-866-3441 x3238 (office)

Sam Stein
Sam.stein@state.co.us
 303-866-3441(office)

WSRF Submittal Checklist (Required)

- YES ☒ NO ☐ This request was recommended for CWCB approval by the sponsoring roundtable.
- YES ☒ NO ☐ I have read and understand the [2020 WSRF Criteria and Guidelines](#).
- YES ☒ NO ☐ Grantee will be able to contract with CWCB using the [Standard Contract](#).¹

Application Documents included:

- YES ☒ NO ☐ Exhibit A: Statement of Work² (*Word – see Template*)
- YES ☒ NO ☐ Exhibit B: Budget & Schedule² (*Excel Spreadsheet – see Template*)
- YES ☒ NO ☐ Letters of Matching and/or Pending 3rd Party Commitments²
- YES ☐ NO ☒ Map²
- YES ☐ NO ☒ Photos/Drawings/Reports
- YES ☐ NO ☒ Letters of Support

Contracting Documents³

- YES ☐ NO ☒ Detailed/Itemized Budget³ (*Excel Spreadsheet – see Template*)
- YES ☐ NO ☒ Certificate of Insurance⁴ (*General, Auto, & Workers' Comp.*)
- YES ☐ NO ☒ Certificate of Good Standing⁽⁴⁾
- YES ☐ NO ☒ W-9 Form⁴
- YES ☐ NO ☒ Independent Contractor Form⁴ (*If applicant is individual, not company/organization*)
- YES ☐ NO ☒ Electronic Funds Transfer (ETF) Form⁴

¹Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting

² Required with application if applicable.

³Additional documentation providing a Detailed/Itemized Budget maybe required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

⁴ Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.



Last Update: September 18, 2020

Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	October 1	Basin Account
March	December 1	Basin/Statewide Account/Water Plan Grant Match ¹
May	February 1	Basin Account
July	April 1	Basin Account
September	June 1	Basin/Statewide Account
November	August 1	Basin Account

¹ If either the basin or statewide match includes matching funds from a pending Water Plant Grant, both must be submitted by December 1st deadline for March Board meeting review.

Water Activity Summary		
Name of Applicant	The Water Connection of the Greenway Foundation	
Name of Water Activity	Clean River Design Challenge (CRDC)	
Approving Roundtable(s)		Basin Account Request(s) ¹
Metro Basin Roundtable		\$6,500
Statewide Account		\$10,000
Basin Account Request Subtotal		\$6,500
Basin Account Request Subtotal Approved by Roundtable		\$6,500
Statewide Account Request ⁽¹⁾		\$10,000
Total WSRF Funds Requested (Basin & Statewide)		\$16,500
Total Project Costs		\$ 101,380

¹ Please indicate the amount recommended for approval by the Roundtable(s)

Grantee and Applicant Information	
Name of Grantee(s)	The Water Connection of The Greenway Foundation
Mailing Address	1800 Platte Street



Last Update: September 18, 2020

Grantee and Applicant Information	
FEIN	51- 0193575
Grantee's Organization Contact¹	Devon Buckels
Position/Title	Director, The Water Connection
Email	Devon@thewaterconnection.org
Phone	(720) 837-3289
Grant Management Contact²	Lauren Berent
Position/Title	Associate Director
Email	lauren@greenwayfoundation.org
Phone	(303) 743-9720 ext. 850
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

¹ Person with signatory authority

² Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
<p>The Greenway Foundation (TGF) advances a sustainable water future, focusing primarily on Colorado and the western United States. TGF protects and revitalizes watersheds, promotes water stewardship, conducts environmental education, stimulates innovative policies and practices while also celebrating the historic, recreational, and environmental roles involving water that flows through our communities. TGF transcends cultural, political, geographic, and disciplinary boundaries, focusing on opportunities and initiatives that bind our communities together, the most vital of which is water. The Water Connection is TGF's water resources arm, fostering civic action and technological innovation for resilient watersheds through a policy, partnerships and economic lens.</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 type="checkbox"/>	Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises



Last Update: September 18, 2020

Type of Eligible Entity (check one)	
	Private Incorporated: mutual ditch companies, homeowners associations, corporations
	Private Individuals, Partnerships, and Sole Proprietors: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
X	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
	Study
X	Implementation

Category of Water Activity (check all that apply)		
X	Nonconsumptive (Environmental)	
X	Nonconsumptive (Recreational)	
	Agricultural	
	Municipal/Industrial	
	Needs Assessment	
X	Education & Outreach	
X	Other	Explain: Innovation

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Focus on Front Range, Colorado including Denver, Jefferson, El Paso, and Larimer Counties, but available to entire State
Latitude	N/A
Longitude	N/A

Water Activity Overview
<p>Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. 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, area of habitat improvements. 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, and Schedule.</p>



Last Update: September 18, 2020

Water Activity Overview
<p>TWC seeks funding to conduct two Clean River Design Challenges (CRDCs), a competition for innovative solutions to urban waterway pollution. These two-semester long competitions are open to undergraduate and graduate students attending Colorado universities and colleges. The competitions are focused on the reduction of <i>E. coli</i> and excess nutrients. The first semester is dedicated to research and idea generation, with opportunities for feedback from professionals recruited by TWC. The second semester focuses on solution design, proof of effectiveness, evaluation of environmental economic considerations, and development of a conceptual business plan. At the end of semester 2, teams present their solution in the form of a proposal for a product or service accompanied by a business plan for implementation. A panel of expert judges will select the top three teams to receive a modest cash prize. The first place team each year will be invited to participate in Trout Tank H2O, a business accelerator co-hosted by the Denver Metro Chamber of Commerce and TAP-IN.</p> <p>WSRF funding will be used to develop and host two successful challenges, producing viable concepts (including a designed prototype if applicable) from an interdisciplinary set of solutions designed to reduce urban waterway pollution.</p>

Measurable Results		
To catalog measurable results achieved with WSRF funds please provide any of the following values.		
	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)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Length of Pipe/Canal Built or Improved (linear feet)	
X	Other	<ul style="list-style-type: none"> Undergraduate and graduate students will be exposed to local, real-world water issues. Anticipated student participation, 4-8 teams of 3-6 people. 100+ Denver community business leaders and entrepreneurs educated and engaged in water pollution issues and solutions. Strengthen Colorado's water innovation ecosystem by building bridges between university and professional sectors. Thousands of community members educated through awareness building by CRDC display at 4 Denver-based river cleanup days. 11,000+ people learn about innovation in water quality through TGF social media and email newsletters. The entire region would benefit from the development and implementation of new water quality solutions. Thousands introduced to the need for innovation in water quality through media coverage of the competition and results.



Last Update: September 18, 2020

Water Activity Justification

Provide a description of how this water activity supports the goals of [Colorado's Water Plan](#), the most recent [Statewide Water Supply Initiative](#), and the respective [roundtable Basin Implementation Plan and Education Action Plan](#) ⁽¹⁾. 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).

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2020 WSRF Criteria and Guidelines](#)).

CRDC addresses key themes in the Colorado Water Plan (CWP) and South Platte / Metro Basin Implementation Plans: maximization of water resources, protection of watersheds, enhancement of water quality, protection of recreational and environmental assets, and promotion of education and innovation. Both plans acknowledge the connection between water supply and water quality. The CRDC supports the State in developing innovative strategies to protect the urban water supply from high impact pollutants, enhancing water quality and protection of important recreational and environmental assets, while promoting education and innovation.

The CWP addresses the State's supply and demand challenges while protecting the health of rivers, streams and watersheds. This project supports achieving this goal by facilitating the removal of two sources of high impact but invisible pollution, *E. coli* and excess nutrients, from the watershed's urban waterways. Watershed health affects water supply – the gap will only grow if our available water is degraded with pollutants.

CRDC has two keys goals: 1) Creating solutions to complex, pervasive water quality problems through the facilitation of innovation, and 2) raising awareness of the extent and impact of urban waterway pollution, the importance of protecting our valuable water resources, and the economic and financial considerations of waterway pollution issues and solutions.

By engaging students from a variety of backgrounds and disciplines from multiple universities, TWC is reaching budding professionals who may pursue careers in the water field. In addition, the water sector innovation ecosystem will benefit from a strengthened link between local universities and the business sector.

Through marketing and PR, the CRDC will 1) expose elementary through high school students to the competition's outcomes, 2) reach 11,000+ people through TGF's social media/ email newsletter distribution and the river cleanup days, and 3) reach tens of thousands community members through media coverage of the competition's final presentations and results.

CWP Executive Summary, p. 15: Education, Outreach and Innovation

Colorado's Water Plan sets a measurable objective to significantly improve the level of public awareness and engagement regarding water issues statewide by 2020. This work is intended to be collaborative and include local partners. As one component of this overall strategy, the CWCB seeks to work with Colorado's innovation community, education and outreach experts, and research institutions to address Colorado's water challenges with innovation and "outside-the-box" creativity.

- The CRDC reaches thousands of people through TGF's social media, email newsletter distribution, and education programs; all of whom will be informed of the issues addressed in the competition. TWC will also reach out to news outlets to obtain media coverage of the competition and final presentations. In addition to reaching the public, by engaging university and college students from a variety of backgrounds and disciplines, CRDC reaches budding professionals who may not have been exposed to water resources as a discipline, and who may not be aware of career opportunities in the water field.

CWP Executive Summary, p. 16: Watershed Health, Environment and Recreation

The environment and recreation are too critical to Colorado's brand not to have robust objectives; a



Last Update: September 18, 2020

Water Activity Justification

strong Colorado environment is critical to the economy and way of life.

- As we work with students to improve water quality through this competition, multiple key elements of creating a robust Colorado environment will be addressed: maximizing water resources, protecting watersheds, enhancing water quality, protecting recreational and environmental assets, and promoting education and innovation.

The connection between water quality and water quantity is specifically mentioned numerous times through the CWP:

CWP, p. 3-1

“Water quality management” is listed as one of the 16 Water Challenge in the South Platte Basin.

CWP; Goal 1.9.5 on p. 1-27 states:

Goal: Maintain, enhance and proactively manage water quality for all use classifications.

CWP Executive Summary, p. S-1

As part of Governor Hickenlooper’s Executive Order on May 14, 2013, he acknowledged the many water challenges facing the state including “Recognizing that water quantity and quality issues in the state are integrally linked.”

- The South Platte Basin has virtually no additional water sources to develop, so it is critical to maximize the resources that are already available to the region. The CRDC will tackle critical urban water pollution issues and the resulting designs will be for use in an urban environment. By focusing on improving water quality, this competition will be working towards cleaner water for the aquatic ecosystem, recreation and downstream users.

SPBIP Executive Summary, p.8, S.3.7 Water Quality Issues, p.2

A major challenge in the South Platte Basin relates to adequacy of the water quality for domestic and municipal water uses. Major technological innovations are needed for delivery, treatment, and disposal of the waste streams from currently available complex water treatment systems, which results in significant cost to customers, impacts to the environment, and uncertain regulatory permitting processes. Relying exclusively on South Platte River supplies in the face of decreasing water quality will be a major challenge in the South Platte Basin.”

- The CRDC addresses the challenges highlighted in this section by providing a relatively low-cost method for idea generation and innovative solution development to reduce *E. coli* and excess nutrients before they reach water treatment facilities along the South Platte River.

State Water Supply Initiative 2010, pg. ES-41

Recommendation #5. Support meeting Colorado’s non-consumptive water needs by working with Colorado’s water stakeholders to help protect or enhance environmental and recreational values that benefit local and statewide economies.

- The CRDC brings together stakeholders from business, academia, water management, environmental health, and recreation fields to address the challenges created by urban waterway pollution that can impede aquatic recreation and affect habitat quality. Stakeholders from a variety of disciplines participate as advisors and judges of student designs. CRDC design solutions not only improve water quality by removing pollutants from our waterways, they also improve the environmental and recreational attributes of the South Platte. Furthermore, the top-rated design is shared with stakeholders through the Denver Metro Chamber of Commerce and TAP-IN’s business accelerator program, Trout Tank H2O to further develop tangible solutions and inspire innovation.

¹ Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.



Last Update: September 18, 2020

Matching Requirements: Basin Account Requests	
Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3 rd party and shall be accompanied by a letter of commitment as described in the 2020 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind)
The Greenway Foundation	\$39,225 cash
The Greenway Foundation	\$2,500 in-kind
Total Match	\$41,725
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Matching Requirements: Statewide Account Requests	
Statewide Account grant requests require a 50% match as described in the 2020 WSRF Criteria and Guidelines . At least of 10% of the required Statewide Account Grant request match shall be cash from Basin Account funds whether that is from one or multiple basins; and the remaining 40% of the required match may be provided from any source, including other grants, cash from the Basin Account, or any combination of cash, in-kind services, or in-kind materials.and shall be accompanied by a letter of commitment . Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
Metro Basin	\$6,500
The Greenway Foundation	\$39,225
The Greenway Foundation	2,500
Total Match	\$48,225



Last Update: September 18, 2020

Matching Requirements: Statewide Account Requests	
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

Related Studies
<p>Please provide a list of any related studies, including if the water activity is complimentary to or assists in the implementation of other CWCB programs.</p> <p>The Greenway Foundation (TGF) partnered with Market Perceptions to conduct a survey of Metro Denver residents in 2012, and found that 71% of respondents perceived water pollution as a problem in the area. Increasing Metro Denver resident's understanding of sources, behaviors and activities that contribute to these problems is a critical next step. The survey highlights disconnections between the concern for water quality and common sources of water pollution. This is likely a reason that pollution issues continue to persist in Denver's waterways.</p> <p>The South Platte River and Cherry Creek are tested monthly for water quality. "Recreation" is listed as an allowable use for both streams, however neither stream is deemed safe for recreation when elevated levels of <i>E. coli</i> are found in the water (Water Quality in Denver's Streams: A Story Through Maps, 2020). The primary measure for determining if a water body is suitable for swimming is whether <i>E. coli</i> levels meet health-based standards for recreation. Most of the streams in Denver do not meet those standards. Evaluation of data from DDPHE's sampling efforts indicates that progress toward meeting the 2020 Sustainability Goal of making all streams in Denver safe for swimming has been negligible. Statistical analysis of <i>E. coli</i> data from the South Platte River, Bear Creek, and Cherry Creek reveals that there is too much variation in the data to draw any conclusions about changes in <i>E. coli</i> levels. This lack of progress, even though several new water quality facilities have been installed and thousands of feet of riparian habitat along the South Platte River have been improved, serves as a reminder of how difficult it is to address <i>E. coli</i> in City streams.</p> <p>According to water samples taken in 2019, nitrogen + phosphorus concentrations increase in the South Platte River moving downstream (Water Quality in Denver's Streams: A Story Through Maps, 2020). These excess nutrients, in combination with raising temperatures and slow moving water, can cause algae to bloom out of control. Large blue green or Harmful Algal Blooms (HABs), can produce extremely dangerous toxins that can sicken or kill people and animals. Even smaller, less toxic blooms can create harmful imbalances in an aquatic ecosystem.</p> <p>TWC recently assumed the role of program lead for TAP-IN, a CWCB-initiated project intended to engage businesses and entrepreneurs in solving Colorado's water challenges. Through this competition, TWC is establishing synergy between the CRDC and TAP-IN programs, leveraging CWCB funding. The key link is the opportunity provided CRDC first-place winners to participate in the Trout Tank H2O business accelerator program co-led by the Denver Metro Chamber of Commerce Small Business Development Center and TAP-IN. Trout Tank H2O is a 2-month program to create solutions to local water problems, and in turn potentially create jobs and boost the economy.</p>

Previous CWCB Grants
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



Last Update: September 18, 2020

Previous CWCB Grants

The following is a list of previous CWCB funding awarded to TGF and/or TWC:

- TGF: South Platte River Recreation and Habitat Feasibility Study; Metro Basin RT and Statewide funds; Approved at 9/17/2008 meeting, Contract # C150442
- TGF: South Platte River Recreation and Habitat Improvement Preliminary Design, Metro Basin RT and Statewide funds. Approved at 9/13/2011 meeting, Contract # C150493
- TGF: Denver South Platte River Implementation Project, South Platte Basin & Metro Basin RT, approved at 9/28/2012 meeting, Contract # CTGG1 2015-392
- TGF: Grant-Frontier Park West Bank Riparian Floodplain Design and Construction Project, Metro Basin RT, approved at 9/24/2013 meeting, Contract # CTGG1 2015-1721
- TGF: 8th Ave. to 20th St. In-River Recreation and Environmental Improvements and Floodplain Mitigation, Metro Basin RT and Statewide funds. Approved at 9/12/2014 meeting, Contract # CTGG1 2015
- TWC: Clean River Design Challenge, Approved 7/30/2018, Order Number: POGG1, PDAA, 201900002072
- TWC: Denver One Water Plan. Approved June 29, 2019. Contract #CTGG1 2020-056
- TWC: TAP-IN. Education and Innovation statewide funds. Approved 3/10/2020, Order Number: POGG1, PDAA, 202000002926

PENDING

- Nautilus 2; Metro and South Platte Basin RT; Pending Statewide funds on December 1, 2020; total program budget \$91,900; 65% of other CWCB funding (WSRF) for project.
- CRDCs; Metro Basin Roundtable, Statewide funds, and Colorado Water Plan Grant; Approved 11/12/2020 for Metro Basin, others pending; total program budget \$101,380, WSRF requests 16% overall project budget.

Tax Payer Bill of Rights

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

There are no known TABOR issues that would affect this application.

**Water Supply Reserve Fund
Water Activity Summary Sheet
March 10-11, 2021
Consent Agenda Item 2(k)**

Applicant & Grantee: The Water Connection of the Greenway Foundation

Water Activity Name: Clean River Design Challenge

Water Activity Purpose: Education & Outreach, Nonconsumptive (Environmental and Recreational) - Implementation

County: Denver, El Paso, Jefferson, and Larimer

Drainage Basin: South Platte

Water Source: South Platte River

Amount Requested: \$6,500 Metro Basin Account
\$10,000 Statewide Account
\$16,500 Total Request

Matching Funds: Basin Account Match = \$6,500

- 65% of statewide request (meets 10% min)

Applicant & 3rd Party Match = \$86,930 (\$84,880 cash & \$2,500 in-kind)

- 869% of the statewide request (meets 10% min)

Total Match (Basin request & Applicant Match) = \$91,380

- 914% of the statewide request (meets 50% min)

Staff Recommendation:
Staff recommends approval of up to \$6,500 from the Metro Basin Account and up to \$10,000 from the Statewide Account to help fund the project: Clean River Design Challenge

Water Activity Summary: If approved, the applicant will use WSRF funds to conduct two Clean River Design Challenges (CRDCs), which is a competition for innovative solutions to urban waterway pollution. These two-semester long competitions are open to undergraduate and graduate students attending Colorado universities and colleges. The competitions are focused on the reduction of E. coli and excess nutrients.

The first semester of the competition is dedicated to research and idea generation, with opportunities for feedback from professionals recruited by the applicant. The second semester focuses on solution design, proof of effectiveness, and evaluation of environmental economic considerations, and development of a conceptual business plan. At the end of the second semester, the teams present their solution in the form of a proposal for a product or service accompanied by a business plan for implementation. A panel of expert judges will select the top three teams to receive a modest cash prize (no

grant funds will be used for cash prizes). The first place team each year will be invited to participate in Trout Tank H2O, a business accelerator co-hosted by the Denver Metro Chamber of Commerce and TAP-IN (supported through a CWCB Water Plan grant).

Discussion: This proposal meets the South Platte Basin Implementation Plan's goals of maintaining, enhancing and proactively managing water quality for all use classifications as well as helping address the adequacy of domestic and municipal water uses. The proposal also will further advance Colorado's Water Plan healthy watersheds objectives.

Issues/Additional Needs: No issues or additional needs have been identified.

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Sources/Match	Cash	In-Kind	Total	Status
The Greenway Foundation	\$39,225	\$2,500	\$41,275	Secured
CWCB Water Plan Grant	\$45,655	\$0	\$45,655	Pending
Sub-Total	\$84,880	\$0	\$86,930	
WSRF Metro Basin Account	\$6,500	\$0	\$6,500	Secured
WSRF Statewide Account	\$10,000	\$0	\$10,000	
Sub-Total	\$16,500	\$0	\$16,000	
Total Project Costs	\$101,380	\$2,500	\$103,880	

CWCB Project Manager: Ben Wade

November 18, 2020

Ben Wade
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203

Re: Metro Roundtable support for WSRF Basin Request from The Water Connection/The Greenway Foundation's Clean River Design Challenge

Dear Ben,

At our November 12th meeting, the Metro Roundtable voted to approve a Metro WSRF Basin Grant of \$6,500 for The Water Connection/The Greenway Foundation's (TWC/TGF) Clean River Design Challenge (CRDC). The Metro Roundtable also approved TWC/TGF's Statewide WSRF request of \$10,000.

The Clean River Design Challenge is a two-semester competition that will engage university students to create innovative solutions to various water pollution issues. In previous competitions, teams were tasked with removing trash from urban streams. Moving forward, the focus will be shifted toward other types of pollutants such as excess nutrients (phosphorus and nitrogen) and *E. coli*. Along with creating solutions, teams will also be responsible for creating a business plan for their product or service. The winning team will have the opportunity to participate in Trout Tank H2O, a business pitch accelerator that is hosted by the Denver Metro Chamber of Commerce and TAP-IN Colorado. TWC/TGF will run the CRDC for two years: the first in Fall 2021/Spring 2022, and the second in Fall 2022/Spring 2023.

The CRDC is expected to provide numerous community and environmental benefits:

- Improve water quality in local streams
- Expose the next generation of professionals to a local, real-world environmental issue
- Create a space where innovative ideas and/or businesses can be developed
- Raise awareness about water pollution issues facing rivers and streams in Colorado

Up on review and consideration of TWC/TGF's proposal, the Metro Roundtable unanimously voted to approve the full \$6,500 of Basin WSRF funds requested by the applicant, and to support the Statewide WSRF grant application for \$10,000.

Sincerely,



Barbara Biggs, Chair
Metro Roundtable

6795 S. Elati St.
Littleton, CO 80120
T 303-795-5925
www.barr-milton.org



Dan DeLaughter, Chairperson
Steve Lundt, Vice-Chairperson
James Boswell, Secretary
Chris Douglass, Treasurer
Amy Conklin, Coordinator

November 24, 2020

Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203

Re: Barr Milton Watershed Association Support for WSRF State Request and Colorado Water Plan Grant Request for The Water Connection/The Greenway Foundation's Clean River Design Challenge

Dear Evaluation Team,

On behalf of the Barr Milton Watershed Association, I am writing this letter in support of the application by The Water Connection/The Greenway Foundation for grant funding for their Clean River Design Challenge.

Barr Milton Watershed Association had a meeting with TWC/TGF on September 29th, 2020 to discuss the new direction of their Clean River Design Challenge for the next two years. Together we discussed potential water pollutant issues for the students to focus on, and nutrients and *E. coli* were some of the top potential targets.

The Clean River Design Challenge (CRDC) is a two-semester competition that will engage university students to create innovative solutions to various water pollution issues. In previous competitions, teams were tasked with removing trash from urban streams. Moving forward, the focus will be shifted toward other types of pollutants such as excess nutrients (phosphorus and nitrogen) and *E. coli*. Along with creating solutions, teams will also be responsible for creating a business plan for their product or service. The winning team will have the opportunity to participate in Trout Tank H2O, a business pitch accelerator that is hosted by the Denver Metro Chamber of Commerce and TAP-IN Colorado. TWC/TGF will run the CRDC for two years: the first in Fall 2021/Spring 2022, and the second in Fall 2022/Spring 2023.

The CRDC is expected to provide numerous community and environmental benefits:

- Improve water quality in local streams
- Expose the next generation of professionals to a local, real-world environmental issue
- Create a space where innovative ideas and/or businesses can be developed
- Raise awareness about water pollution issues facing rivers and streams in Colorado

Barr Milton supports this competition, and is excited to see what the student teams come up with!

November 24, 2020

BMW Letter of Support for Clean River Design Challenge

Page | 2

Sincerely,

Dan DeLaughter

Dan DeLaughter, P.E.

BMW Chairperson

CC: Steve Lundt, BMW, Vice Chairperson
James Boswell, BMW, Secretary
Chris Douglass, BMW, Treasurer
Amy Conklin, BMW, Coordinator



BARR MILTON
Watershed Association



November 30, 2020

Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203

Re: Letter of support for WSRF and Colorado Water Plan Grant Request for The Water Connection / The Greenway Foundation's Clean River Design Challenge

Dear Evaluation Team,

The Denver Department of Public Health & Environment (DDPHE) supports the application by The Water Connection / The Greenway Foundation (TWC/TGF) for funding for the Clean River Design Challenge.

The Clean River Design Challenge (CRDC) is a two-semester competition that seeks to engage university students to create innovative solutions to water pollution issues. In previous competitions, teams were tasked with removing trash from urban streams. Future challenges will address other types of pollutants such as nutrients and *E. coli*. In addition to developing innovative solutions, teams will create a business plan for their product or service. The winning team will have the opportunity to participate in Trout Tank H2O, a business pitch accelerator that is hosted by the Denver Metro Chamber of Commerce and TAP-IN Colorado. TWC/TGF will run the CRDC for two years: the first in Fall 2021/Spring 2022, and the second in Fall 2022/Spring 2023.

The CRDC is expected to provide numerous community and environmental benefits:

- Improve water quality in local streams;
- Expose the next generation of professionals to a local, real-world environmental issues;
- Create a space where innovative ideas and/or businesses can be developed, and;
- Raise awareness about water pollution issues facing rivers and streams in Colorado,

DDPHE supports the CRDC because it has shown itself to be an effective incubator for creative solutions to urban water quality issues. We look forward to working with TWC/TGF staff on development of future challenges and to the exciting solutions that the student teams come up with!

Sincerely,

Jon Novick
Water Quality Program Administrator

Environmental Quality Division
Denver's Department of Public Health & Environment
200 W 14th Ave, Suite 310 | Denver, CO 80204
www.denvergov.org/EnvironmentalQuality
p. 720-913-1311 | f. 720-865-5534 | www.facebook.com/DenverEnvironmentalQuality



William J. "Mickey" Conway, District Manager

November 30, 2020
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203

Re: Metro Wastewater Reclamation District for WSRF State Request and Colorado Water Plan Grant Request for The Water Connection/The Greenway Foundation's Clean River Design Challenge

Dear Evaluation Team,

On behalf of the Metro Wastewater Reclamation District, I am writing this letter in support of the application by The Water Connection/The Greenway Foundation for grant funding for their Clean River Design Challenge.

Metro Wastewater Reclamation District has provided volunteer professional support for this competition in the past, and is excited for the focus to shift to *E. coli* and nutrients for the next CRDC.

The Clean River Design Challenge (CRDC) is a two-semester competition that will engage university students to create innovative solutions to various water pollution issues. In previous competitions, teams were tasked with removing trash from urban streams. Moving forward, the focus will be shifted toward other types of pollutants such as excess nutrients (phosphorus and nitrogen) and *E. coli*. Along with creating solutions, teams will also be responsible for creating a business plan for their product or service. The winning team will have the opportunity to participate in Trout Tank H2O, a business pitch accelerator that is hosted by the Denver Metro Chamber of Commerce and TAP-IN Colorado. TWC/TGF will run the CRDC for two years: the first in Fall 2021/Spring 2022, and the second in Fall 2022/Spring 2023.

The CRDC is expected to provide numerous community and environmental benefits:

- Improve water quality in local streams
- Expose the next generation of professionals to a local, real-world environmental issue
- Create a space where innovative ideas and/or businesses can be developed
- Raise awareness about water pollution issues facing rivers and streams in Colorado
-

Metro Wastewater Reclamation District supports this competition, and is excited to see what the student teams come up with!

Sincerely,

A handwritten signature in black ink that reads "Jordan Parman". The signature is written in a cursive, flowing style.

Jordan Parman
Water Quality Scientist



November 25, 2020

Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203

RE: SOUTH PLATTE RENEW SUPPORT FOR WSRF STATE REQUEST AND COLORADO WATER PLAN GRANT REQUEST FOR THE WATER CONNECTION/THE GREENWAY FOUNDATION'S CLEAN RIVER DESIGN CHALLENGE

Dear Evaluation Team,

On behalf of the South Platte Renew, I am writing this letter in support of the application by The Water Connection/The Greenway Foundation (TWC/TGF) for grant funding for their Clean River Design Challenge.

The Clean River Design Challenge (CRDC) is a two-semester competition that will engage university students to create innovative solutions to various water pollution issues. In previous competitions, teams were tasked with removing trash from urban streams. Moving forward, the focus will be shifted toward other types of pollutants such as excess nutrients (phosphorus and nitrogen) and *E. coli*. Along with creating solutions, teams will also be responsible for creating a business plan for their product or service. The winning team will have the opportunity to participate in Trout Tank H2O, a business pitch accelerator that is hosted by the Denver Metro Chamber of Commerce and TAP-IN Colorado. TWC/TGF will run the CRDC for two years: the first in the Fall 2021/Spring 2022, and the second in Fall 2022/Spring 2023.

The CRDC is expected to provide numerous community and environmental benefits, including:

- Improve water quality in local streams
- Expose the next generation of professionals to a local, real-world environmental issue
- Create a space where innovative ideas and/or businesses can be developed
- Raise awareness about water pollution issues facing rivers and streams in Colorado

South Platte Renew supports this competition, and is excited to see what the student teams come up with!

Sincerely,

Pieter Van Ry
Director, South Platte Renew

South Platte Renew
2900 S. Platte River Dr., Englewood, CO 80110
P (303) 762-2600 F (303) 762-2620
southplatterenewCO.gov

OWNED BY LITTLETON/ENGLEWOOD