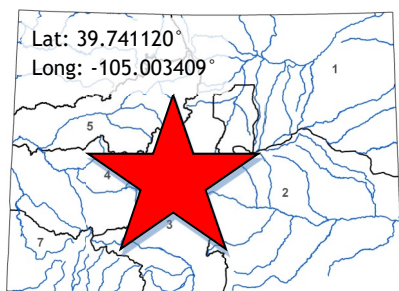


Water Plan Grant Application

March 2022 Board Meeting



L O C A T I O N	
County/Countries:	Statewide
Drainage Basin:	All

D E T A I L S	
Total Project Cost:	\$155,205
Water Plan Grant Request:	\$124,020
Recommended Amount:	\$87,000
Other CWCB Funding:	\$0
Other Funding Amount:	\$0
Applicant Match:	\$31,185
Project Type:	Other
Project Category:	Engagement & Innovation
Measurable Result:	5,000 Coloradans Impacted by Engagement Activity

The One World One Water (OWOW) Center, housed within the Metropolitan State University of Denver, is proposing to coordinate the “Your Water, Your Life” statewide higher education water contest, that will provide an opportunity for interdisciplinary engagement in water resources to initiate a new way of thinking about water.

The objective will be to connect students with the Colorado Water Plan, the “Water ’22” campaign, and their local environment through the structure of a creative contest. OWOW states students have not traditionally engaged with the Water Plan or other water related projects in general. The proposed contest will help engaged students deliver projects focused on the way water flows through their lives. The contest will be made available to students studying at every university, college, and community college in the State. Participating schools will have contest liaisons available to help support the contest.

Students would complete questionnaires on the Water Plan and local Basin Implementation Plans, meet various contest deadlines, and their submissions will be judged by an interdisciplinary panel of experts. OWOW will be creating multiple submission categories -photography, engineering, literature, design, etc. - with 22 winners selected to receive \$1,000 each. Winners will be invited to participate in post-contest tasks including the Watershed Summit in June 2023 at the Denver Botanic Gardens with the opportunity to present their project.

If approved, grant funding will be used to support project planning and design, contest implementation, incentives, submission materials, post-contest tasks, and other materials and support.

OWOW believes their proposal meets engagement goals in the Water Plan by improving awareness regarding water issues statewide by 2025 by helping students explore water careers and connect them with local water community and professionals.

Funding Recommendation: Staff is recommending a grant of \$87,000 from the Engagement and Innovation category of funding. This recommendation would cover Tasks 1-5. Unfortunately, Task 6 included providing cash prizes to contest winners which is not an allowable use of grant funds.

**COLORADO**Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan**Water Project Summary**

Name of Applicant	One World One Water Center/ MSU Denver
Name of Water Project	Project-01878 Your Water, Your Life Contest
Grant Request Amount	\$124,020.00
Primary Category	\$124,020.00
<i>Engagement & Innovation Activities</i>	
Total Applicant Match	\$31,185.00
<i>Applicant Cash Match</i>	\$17,875.00
<i>Applicant In-Kind Match</i>	\$13,310.00
Total Other Sources of Funding	\$31,185.00
<i>Metropolitan State University of Denver</i>	\$17,875.00
<i>One World One Water Center</i>	\$13,310.00
Total Project Cost	\$186,390.00

Applicant & Grantee Information

Name of Grantee: One World One Water Center/ MSU Denver

Mailing Address: 1045 9th Street Denver CO 80204

FEIN: 840,576,459

Organization Contact: Nona Shipman

Position/Title:

Email: nshipman@msudenver.edu

Phone: 303-615-2006

Organization Contact - Alternate: Hope Bartlett

Position/Title: University Relations and Sustainability

Email: hhale2@msudenver.edu

Specialist

Phone:

Grant Management Contact: Nona Shipman

Position/Title:

Email: nshipman@msudenver.edu

Phone: 303-615-2006

Description of Grantee/Applicant

The One World One Water Center at Metropolitan State University of Denver is a collaboration between MSU Denver and Denver Botanic Gardens. The OWOW Center strives to prepare an educated, empowered, solution-oriented Colorado citizenry to protect and preserve our precious water resources.

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 39.741120
 Longitude -105.003409
 Lat Long Flag Default/Proponent headquarters: If the location cannot be defined with flags above, use location of project proponent headquarters
 Water Source
 Basins Arkansas; Colorado; Gunnison; Metro; Yampa/White/Green; Rio Grande; South Platte; Southwest; Nort...
 Counties
 Districts

Water Project Overview

Major Water Use Type Education
 Subcategory Education
 Scheduled Start Date - Design 1/3/2022
 Scheduled Start Date - Construction
 Description
 The "Your Water, Your Life" statewide higher education water contest, managed by the OWOW Center, will provide an opportunity for interdisciplinary engagement in water resources to initiate a new way of thinking about water. The objective will be to connect students with the Colorado Water Plan, the "Water '22" campaign, and their local environment through the structure of a creative contest. Engaged students will deliver projects focused on the way water flows through their lives. Students studying at Colorado universities, colleges, and community

colleges will be invited to participate and contest liaisons at participating schools will help support the contest. Students will complete questionnaires on the CWP and local Basin Implementation Plans, meet various contest deadlines, and their submissions will be judged by an interdisciplinary panel of experts. There will be multiple submission categories –photography, engineering, literature, design, etc. – with 22 winners selected to receive \$1,000 each. Winners will be invited to participate in post-contest tasks including the Watershed Summit in June 2023 at the Denver Botanic Gardens with the opportunity to present.

Grant funding will be used to support project planning and design, contest implementation, incentives, submission materials, prizes, post-contest tasks, and other materials and support.

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
5,000	Number of Coloradans Impacted by Engagement Activity

Water Project Justification

Traditionally, university students have not engaged a great deal with the Colorado State Water plan or other water projects. This is due to a variety of reasons including the insular nature of some campuses, under capacity of students, a lack of understanding of how to engage students, and/or the increase in climate anxiety that many students experience. According to a Washington Post article by Jason Plautz, “57 percent of American teens said that climate change made them feel scared and 52 percent said it made them feel angry, both higher rates than among adults. Just 29 percent of teens said they were optimistic.” Carrying around the weight of climate stress and anxiety can result in inaction, avoidance or denial in some people, while in others it can activate them to engage. Furthermore, for those that lean towards avoidance, they can become inspired by watching their peers engage, learn, and act. In an article from Facilities Manager titled, “Students Engagement in Campus Sustainability”, author Allesandra Cairo documents that, “Passionate students are willing to work extremely hard to make change, and many times all it requires is an outlet to do so.” The “Your Water, Your Life” contest can be the outlet to allow students to express their life’s connection to water in an interdisciplinary manner. Benjamin Fackler-Adams of Skagit Valley College writes that when designing an interdisciplinary course, there are three components needed to support deep, enduring learning:

- Prior conceptions on a subject must be engaged in order for new learning to be integrated with existing knowledge.
- Students must build their own understanding of a concept/topic with hands-on activities.
- Reflection on the learning process and specifically where their existing knowledge was challenged or changed is critical to long-term retention and the ability to apply new knowledge in different contexts.

Fackler-Adams continues to explain that, “It is critical that activities and courses as a whole provide students with as much opportunity as possible to record and discuss their initial ideas, to collect and interpret evidence, and

engage in personal and group reflection on the significance of a particular activity of the overarching themes.” Fackler-Adams principles of effective interdisciplinary education are incorporated into the “Your Water, Your Life” contest.

In addition to applying effective interdisciplinary learning objectives into the contest, the “Your Water, Your Life” contest also supports the integration of additional environmental education opportunities into student’s lives. According to Project Learning Tree, environmental education can benefit students and the larger world by breaking the indoor habit, supporting STEM, cultivating leadership qualities, improving focus and cognition, supporting sound decision making, contributing to sustainability, and conserves natural resources among many other benefits.

The Outreach, Education, and Public Engagement section of the Colorado Water Plan includes several goals and objectives that the “Your Water, Your Life” contest meets. Specifically, two of the objectives described are to further engage college students to explore water careers and to improve the use of existing state resources. The contest not only provides an opportunity for students to explore their water interests from diverse perspectives but also connects them with their local water community and water professionals. Additionally, the contest will incorporate educational resources from the Colorado Water Plan, the CWCB website, and the Water ‘22 campaign. Furthermore, according to the “Observations Regarding Public Perceptions” summary created in 2019, additional public education is needed in a variety of areas including state water use, climate variability, and utility water projects.

The “Your Water, Your Life” contest supports the Education, Outreach, and Innovation Goal of the CWP and the Education Action Plan, which is to improve the awareness regarding water issues statewide by 2025, and engage Coloradans on statewide water issues, including but not limited to the following identified by the CWCB by 2030:

- Agricultural dry-up: The purchase and permanent transfer of agricultural water rights to support growing communities threatens the state and rural communities with significant reductions in irrigated agriculture and local food production.
- Critical environmental concerns: The need to protect and restore water quality, watershed health, and ecosystem resilience in the face of increasing water demands and climate change is as critical as ever.
- Variable climatic conditions: Forecasts show Colorado could face diminished precipitation and shrinking water supplies as well as increased demand associated with hotter temperatures and a longer growing season.
- Inefficient regulatory processes: Lengthy, expensive and inefficient permitting processes have stalled water providers’ ability to respond to changing conditions.
- Increasing funding needs: Absent adequate investment, Colorado cannot effectively address its environmental, recreational, agricultural, and community needs for water.

Related Studies

<https://files.eric.ed.gov/fulltext/EJ920384.pdf>

<https://www.plt.org/about-us/why-environmental-education-is-important/>

<https://serc.carleton.edu/integrate/workshops/sustainability2012/essays/fackler-adams.html>

<https://cwcb.colorado.gov/colorado-water-plan>

<https://www.washingtonpost.com/magazine/2020/02/03/eco-anxiety-is-overwhelming-kids-wheres-line-between-edu>

<https://dnrftp.state.co.us/CWCB/Technical%20Update%20to%20Water%20Plan/1.%20Technical%20Update%20D>

Taxpayer Bill of Rights

Budget and Schedule

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.

Reporting Requirements

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.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that: (1) Summarizes the project and how the project was completed. (2) Describes any obstacles encountered, and how these obstacles were overcome. (3) Confirms that all matching commitments have been fulfilled. (4) 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 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 the Budget & Schedule 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.

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ENGAGEMENT & INNOVATION GRANT FUND SUPPLEMENTAL APPLICATION

Introduction & Purpose

Colorado's Water Plan calls for an outreach, education, public engagement, and innovation grant fund in Chapter 9.5.

The overall goal of the Engagement & Innovation Grant Fund is to enhance Colorado's water communication, outreach, education, and public engagement efforts; advance Colorado's water supply planning process; and support a statewide water innovation ecosystem.

The grant fund aims to engage the public to promote well-informed community discourse regarding balanced water solutions statewide. The grant fund aims to support water innovation in Colorado. The grant fund prioritizes measuring and evaluating the success of programs, projects, and initiatives. The grant fund prioritizes efforts designed using research, data, and best practices. The grant fund prioritizes a commitment to collaboration and community engagement. The grant fund will support local and statewide efforts.

The grant fund is divided into two tracks: engagement and innovation. The Engagement Track supports education, outreach, communication, and public participation efforts related to water. The Innovation Track supports efforts that advance the water innovation ecosystem in Colorado.

Application Questions

*The grant fund request is referred to as "project" in this application.

Overview (answer for both tracks)
In a few sentences, what is the overall goal of this project? How does it achieve the stated purpose of this grant fund (above)?
The overall goal of the "Your Water, Your Life" contest is to provide an interdisciplinary way for higher education students to engage with their local water resources, the Colorado Water Plan, and the Water '22 campaign through a contest that will amplify their creativity and innovation. By collaborating with academic institutions and communities across the state, the contest can provide opportunity for students to use their individual skills to consider how water plays a role in their life and document that through interdisciplinary measures. Contest submission categories will include literature, photography, design, research, marketing, and more. There is no issue that is not a water issue. The YWYL contest will showcase that caring about the environment, engaging and learning about water, and acting on behalf of environmental issues is something that all students can do by utilizing their skills, creativity, and passion.
Who is/are the target audience(s)? How will you reach them? How will you involve the community?
Higher education students at universities, colleges, and community colleges across Colorado are the target audience. By capitalizing on the established relationships that the One World One Water Center at Metropolitan State University of Denver has with water centers and water concentrations at academic institutions in Colorado, students can be reached through the faculty,



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staff, and academic resources they are already familiar with and in communication with. Campus communities can be somewhat insular so participating students will be asked to not only connect with their campus water experts but also to use their local water resources (water district, basin implementation plan, water utility, state water plan, rivers, reservoirs, and streams) to develop their contest projects. This will help connect students with their local water community, professionals, learning resources, and the environment that many draw inspiration from.

Describe how the project is collaborative or engages a diverse group of stakeholders. Who are the partners in the project? Do you have other funding partners or sources?

Colorado higher education students are more diverse now than they've ever historically been. Based on a 2019 Data US study, students who identify as any race and/or ethnicity other than "white" has grown 6% at Colorado academic institutions since 2012. Furthermore, higher education students who identify as Hispanic or Latino has grown 5% since 2012. In 2019, MSU Denver was officially designated as a Hispanic Serving Institute and over 50% of students identify as a first-generation college student. The One World One Water Center has the unique opportunity to use their experience working with a diverse student body at MSU Denver and apply it to the diversifying student bodies on campuses across Colorado. One method to do this will be by translating/captioning some contest materials in Spanish.

The "Your Water, Your Life" contest will be led by the One World One Water Center at Metropolitan State University of Denver with partners all over Colorado. An effort will be made to establish partner "contest liaisons" at academic institutions with a water center and/or water concentration to engage students and communities across the state.

Other funding sources for the project are in the form of cash and in-kind support from Metropolitan State University of Denver and the One World One Water Center.

[Click here to enter text.](#)

Describe how you plan to measure and evaluate the success and impact of the project?

The success of the project will be measured by the amount of student participants who submitted projects, successfully receiving multiple submissions to each contest category, positive reports from students about their experiences engaging with their local water community, and positive feedback from contest liaisons. The impact of the project will be measured by the responses submitted by the students in the pre- and post-contest questionnaire. The responses in the post-questionnaire should be different from the responses in the pre-questionnaire, as students should be able to answer more detailed and in-depth questions about the CWP and Colorado water in general after participating in the contest.

What research, evidence, and data support your project?

Traditionally, university students have not engaged a great deal with the Colorado State Water plan or other water projects. This is due to a variety of reasons including the insular nature of some campuses, under capacity of students, a lack of understanding of how to engage students, and/or the increase in climate anxiety that many students experience. According to a *Washington Post* article by Jason Plautz, "57 percent of American teens said that climate change made them feel scared and 52 percent said it made them feel angry, both higher rates than among adults. Just 29 percent of teens said they were optimistic."



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Carrying around the weight of climate stress and anxiety can result in inaction, avoidance or denial in some people, while in others it can activate them to engage. Furthermore, for those that lean towards avoidance, they can become inspired by watching their peers engage, learn, and act. In an article from *Facilities Manager* titled, “Students Engagement in Campus Sustainability”, author Allesandra Cairo documents that, “Passionate students are willing to work extremely hard to make change, and many times all it requires is an outlet to do so.” The “Your Water, Your Life” contest can be the outlet to allow students to express their life’s connection to water in an interdisciplinary manner. Benjamin Fackler-Adams of Skagit Valley College writes that when designing an interdisciplinary course, there are three components needed to support deep, enduring learning:

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2. Students must build their own understanding of a concept/topic with hands-on activities.
3. Reflection on the learning process and specifically where their existing knowledge was challenged or changed is critical to long-term retention and the ability to apply new knowledge in different contexts.

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In addition to applying effective interdisciplinary learning objectives into the contest, the “Your Water, Your Life” contest also supports the integration of additional environmental education opportunities into student’s lives. According to Project Learning Tree, environmental education can benefit students and the larger world by breaking the indoor habit, supporting STEM, cultivating leadership qualities, improving focus and cognition, supporting sound decision making, contributing to sustainability, and conserves natural resources among many other benefits.

The Outreach, Education, and Public Engagement section of the Colorado Water Plan includes several goals and objectives that the “Your Water, Your Life” contest meets. Specifically, two of the objectives described are to further engage college students to explore water careers and to improve the use of existing state resources. The contest not only provides an opportunity for students to explore their water interests from diverse perspectives but also connects them with their local water community and water professionals. Additionally, the contest will incorporate educational resources from the Colorado Water Plan, the CWCB website, and the Water ‘22 campaign. Furthermore, according to the “Observations Regarding Public Perceptions” summary created in 2019, additional public education is needed in a variety of areas including state water use, climate variability, and utility water projects.

Referenced articles:

<https://files.eric.ed.gov/fulltext/EJ920384.pdf>

<https://www.plt.org/about-us/why-environmental-education-is-important/>

<https://serc.carleton.edu/integrate/workshops/sustainability2012/essays/fackler-adams.html>



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<https://cwcb.colorado.gov/colorado-water-plan>

<https://www.washingtonpost.com/magazine/2020/02/03/eco-anxiety-is-overwhelming-kids-wheres-line-between-education-alarmism/>

https://dnrftp.state.co.us/CWCB/Technical%20Update%20to%20Water%20Plan/1.%20Technical%20Update%20Documentation/Volume2-Section12_PublicPerceptions.pdf

Describe potential short- and long-term challenges with this project.

Please fill out the applicable questions for either the Engagement Track or Innovation Track, unless your project contains elements in both tracks. If a question does not relate to your project, just leave it blank. Please answer each question that relates to your project. Please reference the relevant documents and use chapters and page numbers (Colorado's Water Plan, Basin Implementation Plan, PEPO Education Action Plan, etc.).

Engagement Track

Describe how the project achieves the education, outreach, and public engagement measurable objective set forth in Colorado's Water Plan to "significantly improve the level of public awareness and engagement regarding water issues statewide by 2020, as determined by water awareness surveys."

The "Your Water, Your Life" contest would help improve the level of public awareness and engagement regarding water issues by developing an opportunity for higher education students to engage with water, their local water community, and statewide water resources in an interdisciplinary nature; allowing students to capitalize on their skills, interests, and passions to drive their engagement and define their relationship with water. Oftentimes it can seem that if you're not studying biology, engineering, hydrology, etc. than working in the environmental community and acting on behalf of the environment is not available to you. The One World One Water Center believes there is a place for everyone in the environmental community, regardless of what they may be studying, or what their career is, or what their passions are. Water is deeply connected to everything in Colorado so there should be space for all people to learn, engage, and advocate for water.

Describe how the project achieves the other measurable objectives and critical goals and actions laid out in Colorado's Water Plan around the supply and demand gap; conservation; land use; agriculture; storage; watershed health, environment, and recreation; funding; and additional.



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N/A
Describe how the project achieves the education, outreach, and public engagement goals set forth in the applicable Basin Implementation Plan(s).
The "Your Water, Your Life" is a statewide contest, thus goals from multiple Basin Implementation Plans will be achieved including but not limited to, public education on the condition of decreasing availability of water supply, enhancing water education opportunities in higher education, programs to inform and remind residents where their water comes from, and the encouragement of conservation to reduce demand. (Per the Arkansas Valley, Colorado, and Southwest BIPs.)
Describe how the project achieves the basin roundtable's PEPO Education Action Plans.
The "Your Water, Your Life" project achieves several basin roundtable Education Action Plans including but not limited to, promoting wise and efficient water use, improving public understanding about the goals, needs, and plans of the state and the basins, and informing and educating current and future Coloradoans regarding important water issues. (Per the Southwest, South Platte, and the Gunnison Basin's EAPs)

Innovation Track
Describe how the project enhances water innovation efforts and supports a water innovation ecosystem in Colorado.
Describe how the project engages/leverages Colorado's innovation community to help solve our state's water challenges.
It is in many students' inherent nature to be innovative, think outside the box, and approach challenges with fresh perspective. From Greta Thunberg to Gitanjali Rao to Xiuhtezcatl Martinez, time and time again innovators and activists from younger generations are found at the forefront of environmental discovery and action. Opening the door for more students to engage, through a crafted opportunity that provides educational touchpoints and incentives, can provide long term benefits for Coloradans and contribute to solving the state's local and statewide water challenges.
Describe how the project helps advance or develop a solution to a water need identified through TAP-IN and other water innovation challenges. What is the problem/need/challenge?



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N/A

Describe how this project impacts current or emerging trends; technologies; clusters, sectors, or groups in water innovation.

N/A



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Colorado Water Conservation Board

Water Plan Grant – Statement of Work – Exhibit A

Statement Of Work

Date:	Jan 2022-Dec 2022 with several post-contest commitments in 2023
Name of Grantee:	One World One Water Center/MSU Denver
Name of Water Project:	Your Water, Your Life Contest
Funding Source:	Colorado Water Conservation Board, One World One Water Center, Metropolitan State University of Denver
Water Project Overview:	
<p>The “Your Water, Your Life” statewide higher education water contest, managed by the OWOW Center, will provide an opportunity for interdisciplinary engagement in water resources to initiate a new way of thinking about water. The goal will be to connect higher education students with the Colorado Water Plan, the statewide water campaign “Water ’22”, and their local environment through the structure of a creative contest. Engaged students from diverse backgrounds will deliver projects focused on their water life - introducing projects through diverse mediums about the way water flows through their lives. Students studying at Colorado universities, colleges, and community colleges will be invited to participate, and recruited contest liaisons at participating schools will help support the contest. Students will complete questionnaires on the CWP and local Basin Implementation Plans, meet various competition deadlines, and their submissions will be judged by an interdisciplinary panel of experts. There will be multiple submission categories –photography, engineering, literature, design, etc. – with 22 winners selected to receive \$1,000 each. Winners will be invited to participate in post-contest tasks including the Watershed Summit in June 2023 at the Denver Botanic Gardens with the opportunity to present.</p> <p>Grant funding will be used to support project planning and design, contest implementation, incentives, submission materials, prizes, post-contest tasks, and other materials and support.</p>	
Project Objectives:	



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- Students from the state of Colorado will get familiar with the Colorado Water Plan
- Students participating in the contest will demonstrate a connection with the Water Plan in their projects
- Through the “Your Water, Your Life” contest, students will engage in their local water environment and with members of their communities in a creative way
- This project will enable participants to think about water issues in a different way, which will lead to instituting a stewardship mindset
- Members of the community will learn about local water issues and be empowered to make a change in their everyday lives to care for the environment

Tasks
Task 1 – Preparing for Launch
Description of Task: <p>Create information, rules, guidelines, and marketing materials for contest. Contest brand book will include email templates and fliers for contest liaisons to distribute to students, contest rulebook, contest logo and graphics, and participant expectations.</p> <p>Recruit contest liaisons to act as main-point-of-contact at participating water centers and academic institutions. Additionally, contest liaisons will help market the contest to their school, keep students at their school on track to compete in the contest, meeting contest benchmarks, and meeting their personal goals.</p> <p>Share contest brand book and other contest materials with participating water centers and academic institutions.</p> <p>Begin recruiting student participation.</p>
Method/Procedure: <p>Craft language, create templates, and design contest graphic materials using Canva. Exploring the possibility of contracting with a consultant to assist with some of these items.</p> <p>Utilize existing relationships, and form new ones, with water centers and academic institutions to be active participants in the contest.</p> <p>Share information and materials about the contest through direct requests, social media posts, email blasts, fliers, and website content.</p>
Deliverable:



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Brand book and important contest materials.

Develop initial interest from water centers, academic institutions, and students.

Tasks

Task 2 – Questionnaire & Application

Description of Task:

Develop and finalize the questionnaire and application required of participating students. These materials will be used to assess a person's connection with their local and state water resources, how that connection may change throughout the contest, and to learn more about their submission.

Official Your Water, Your Life contest launch in early spring of 2022.

Begin assembling contest judging panel.

Method/Procedure:

Participating students will be required to complete a questionnaire regarding the Colorado Water Plan and their local Basin Implementation Plan. Questions include, but are not limited to...

- Prior to this competition, were you aware that Colorado has a Water Plan?
- What portion of the Colorado State Budget goes to Natural Resources?
- How many acre feet of water is consumed each year in Colorado?
- What is the municipal and industrial supply-demand gap (in acre feet)?
- What are ways the plan proposes to close that gap?
- What is the Conservation goal set forth by the water plan?

The questionnaire will also include questions to be applied in a pre/post-contest manner. Questions include, but are not limited to...

- Rate this statement on a scale of 1-10: Colorado has enough water to meet our current needs. With 1 being "Strongly disagree" and 10 being "Strongly agree".



Last Updated: May 2021

- b. Rate this statement on a scale of 1-10: I trust Colorado's water leaders to make decisions to support a sustainable and equitable water future for all Coloradans. With 1 being "Strongly disagree" and 10 being "Strongly agree".
- c. What do you feel is the most important water related issue that Colorado faces: • Water quality in our rivers, lakes and streams • Amount of water available for Colorado's cities and towns • Amount of water available for Colorado's farms and ranches • Amount of water for recreational use such as boating, rafting, and fishing • Amount of water for fish and wildlife • Condition of underground water pipes, dams, and other water utility infrastructure • The quality of water you receive in your home • Amount of water used for energy development • Effects of energy development on water quality • Other

The application will be used to collect basic information about the student, the category they wish to submit to, and their initial project idea. The application will also include a section where students can request funding to support their project designs. This database of applications will enable the contest team to track students' information, progress, project content and more.

Pre- and post- questionnaire responses will be used to assess and analyze participation, perception, and opinions on water resources. Responses will be incorporated into project evaluation. Possible consultant involvement.

The office launch of the contest will include announcements through One World One Water Center/MSU Denver channels, by contest liaisons, and using Water '22 campaign communication options.

Begin assembling the contest judging panel through direct requests. Panel will be made up of diverse representatives both geographically and by professional expertise.

Deliverable:

Applications from students wishing to participate in contest.

Pool of funding project funding requests to be reviewed by a small team of decision makers and accepted or denied. Preference to offer full and/or partial project funding to all requests.

Pre- and post-questionnaire responses.

Official launch of Your Water, Your Life contest.

Tasks

Task 3 – Midpoint Progress Report & Advising

Description of Task:



Last Updated: May 2021

A midpoint progress report will be required of students participating in the contest.

Each student will be required to participate in one advising session by the midpoint report with either their contest liaison or an OWOW Center staff member.

Any students unable to meet these requirements will be managed on a case-by-case basis.

Method/Procedure:

A written progress report will be developed and distributed to participating students. Project photos, sketches, renderings, video, etc. will be encouraged.

By the midpoint progress report, students will be required to complete one advising session with either their contest liaison or an OWOW Center staff member. The purpose of this will be to answer student questions, provide assistance and advice where needed, and gain further insight into project development. A brief report will be completed on each advising session and added to the student's contest records with their questionnaire and application.

Deliverable:

Record of student project development, challenges, changes, and delays.

Tasks

Task 4 – Contest Project Submission

Description of Task:



Last Updated: May 2021

Students will submit their final projects and complete the post-contest questionnaire.

Method/Procedure:

Students will submit their final projects to the OWOW Center. Projects will be evaluated virtually and should be created and submitted with this in mind. Submissions will be accepted via email, Google drive, Dropbox, and Microsoft Teams. Other submission options will be evaluated on a case-by-case basis.

Deliverable:

Database of student final projects.

Tasks

Task 5 – Submission Reviewal & Announcement of Winners

Description of Task:



Last Updated: May 2021

Contest judges will review submissions.

Twenty-two winners will be announced.

Method/Procedure:

Judges will be given time to review the submissions and complete a judging rubric. A draft rubric is below. Projects will be divided amongst judges if the quantity of submissions calls for it.



"Your Water, Your Life" Statewide Water Contest –Scoring Rubric

This rubric is to be used to grade the student design projects, judging will be conducted by the judging panel.

Project Name:

Category	5 – Exemplary	3 – Accomplished	1 – Developing	0 - Beginning	Score	Comments
CONNECT Connect to the purpose and objective of Colorado's Water Plan	The project demonstrates an obvious connection to the purpose/ objective of Colorado's Water Plan,	The project demonstrates a subtle connection to the purpose/ objective of Colorado's Water Plan.	The project demonstrates a minimal <u>connection</u> the purpose/ objective of Colorado's Water Plan.	The project demonstrates no <u>connection</u> the purpose/objective of Colorado's Water Plan.		
ENGAGE Get attention and involvement of students, staff, and general public regarding a water issue	The project distinctly grabs attention and encourages students, staff, and <u>general</u> public to get involved in addressing water issues.			The project does not get the attention and involvement of students, staff, and general public to get involved in addressing water issues.		
EDUCATE Create awareness of water issues through communication and knowledge sharing	The project transforms how people learn about water issues on a deeper level and increases public understanding about how they can make a difference.	The project teaches people about water issues and increases public exposure to how they can make a difference.	The project teaches people about the basics of water issues.	The project does not teach people about water issues.		
EMPOWER Provide resources and tools for action on water issues	The project provides ample recommendations for impactful water actions.	The project provides adequate recommendations for impactful water actions.	The project provides some recommendations for impactful water actions.	The project provides no recommendations for impactful water actions.		
REALIZE Establish <u>level</u> of feasibility for real-world integration	The project clearly identifies the level of feasibility required for real-world <u>application</u> based on projected budget, timeline, audience/ stakeholder group, and level of effort.			The project does not identify the level of feasibility required for real-world <u>application</u> .		

The rubric will be used to assess and select twenty-two winners (to connect, celebrate, and support the Water '22 campaign). Winners will be announced at a virtual ceremony. Each winner will receive a \$1,000 prize.



Last Updated: May 2021

Deliverable:
Completed rubrics on each project submission.
Virtual ceremony honoring participants and announcing winners.

Tasks
Task 6 – Awards & Post-Contest Opportunities
Description of Task:
Provide awards to selected contest winners.
Involve winners in post-contest opportunities.
Project reporting and evaluation.
Method/Procedure:
Working with the MSU Denver Foundation, winning students will receive their \$1000 prize money via check or deposit.
Winning students will be encouraged to participate in post-contest opportunities such as attending the 2023 Watershed Summit conference, contributing to a contest video, providing content for marketing and promotions, engaging with local community, etc.
Develop project report assessing challenges, success, lessons learned, and evaluation participant pre-and post-questionnaires. Additionally, will create a survey to collect options and impressions from contest liaisons and judging panel.
Deliverable:

Last Updated: May 2021

Distributed prize money to twenty-two deserving students from across Colorado.

Ongoing relationships with students to help them create connections in the water community.

Written report documenting project impact in water education and outreach in relation to Colorado Water Plan goals, Water '22 campaign goals, and One World One Water Center goals.

Budget and Schedule

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.

Reporting Requirements

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.

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 as part of the project documentation.

Performance Measures



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Last Updated: May 2021


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 C. Per 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 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 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.



COLORADO

Colorado Water Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Exhibit C

Budget and Schedule

Prepared Date: November 2021

Name of Applicant: One World One Water center/MSU Denver

Name of Water Project: Your Water, Your Life Contest

Project Start Date: January 2022

Project End Date: January 2023, with occasional additional duties throughout 2023

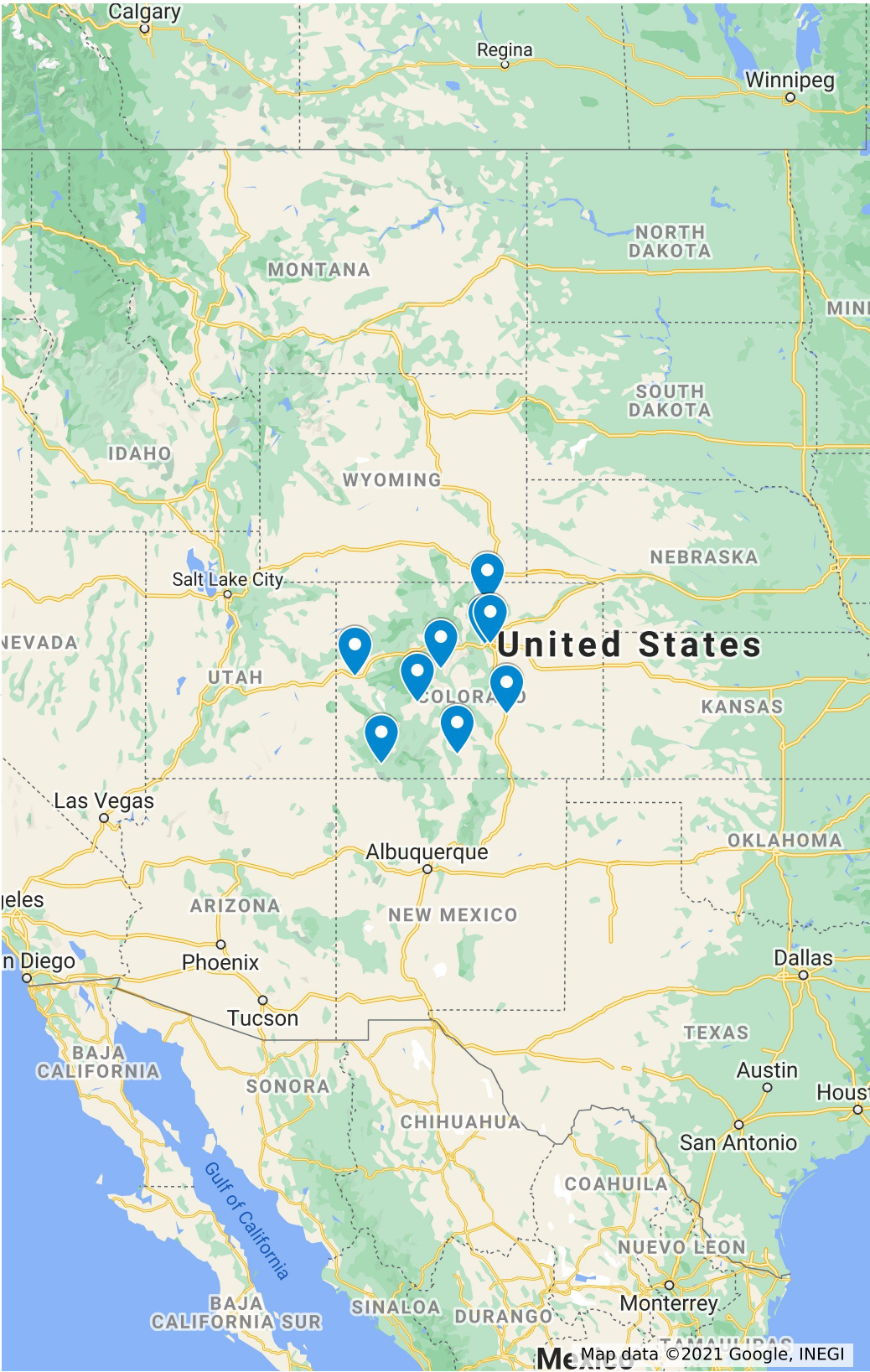
Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total	Additional Notes
1	Prepairing for Launch	1/2022	2/2022			\$39,835	
	Contest Liaisons			\$30,000			Incentive for contest liaisons. We believe you should pay people for their time and effort. Funds to be divided equally amongst participating institutions.
	Consulting			\$5,000			Option to hire consulting firm to assist with project management, reporting, etc.
	Materials			\$2,000			Design, printing, misc items
	Admin Hours, In Kind & MSU Denver Cash Supported				\$2,835		25 hours at \$65/hr; 22 hours at \$55/hr
2	Questionnaire & Application	2/2022	4/2022			\$20,670	
	Consulting			\$5,000			Option to hire consulting firm to assist with project management, reporting, etc.
	Contest Materials			\$10,000			To support student projects. Distribution contingent on student application for funds.
	Admin Hours, In Kind & MSU Denver Cash Supported				\$5,670		50 hours at \$65/hr; 44 hours at \$55/hr
3	Midpoint Progress Report and Advising	4/2022	9/2022			\$19,175	
	Consulting			\$5,000			Option to hire consulting firm to assist with project management, reporting, etc.
	Admin Hours, In Kind & MSU Denver Cash Supported				\$14,175		125 hours at \$65/hr; 110 hours at \$55/hr
4	Contest Project Submission	9/2022	11/2022			\$10,670	
	Consulting			\$5,000			Option to hire consulting firm to assist with project management, reporting, etc.
	Admin Hours, In Kind & MSU Denver Cash Supported				\$5,670		50 hours at \$65/hr; 44 hours at \$55/hr
5	Submission Reviewal & Winner Announcement	11/2022	12/2022			\$10,835	
	Consulting			\$5,000			Option to hire consulting firm to assist with project management, reporting, etc.
	Materials			\$3,000			Design, printing, misc items
	Admin Hours, In Kind & MSU Denver Cash Supported				\$2,835		25 hours at \$65/hr; 22 hours at \$55/hr
6	Awards & Post-Contest Duties	12/2022	2023			\$37,000	
	Contest Awards			\$22,000			22 winners x \$1,000 = \$22,000
	Consulting			\$5,000			Option to hire consulting firm to assist with project management, reporting, etc.
	Post-Contest			\$10,000			Watershed Summit registration for winners, post-contest content development (ex: video, storymap), report creation, supporting community engagment.
						\$17,020	
	Administrative Costs			\$10,000			Manpower, hours, and skills from administration beyond in-kind contirbution; distributed amongst all tasks.
	MSU Denver Foundation Fee			\$7,020			Six percent of request.
			Total	\$124,020	\$31,185	\$155,205	

Page 1 of 1

Your Water, Your Life Contest Participant Location

Your Water, Your Life Contest

- One World One Water Center
- Ruth Powell Hutchins Water Center
- Four Corners Water Center
- Western Colorado University
- Salazar Center
- Red Rocks Community College
- Colorado Water Center
- Colorado Mountain College Leadville
- Colorado State University Pueblo





MATCH CONTRIBUTION LETTER

The One World One Water Center commits to providing the following matching funds to the 2023 Colorado Water Plan Grant application to the Colorado Water Conservation Board. Committed matching funds are for the Your Water, Your Life Contest, under the technical direction of Nona Shipman.

In-kind and MSU Denver cash contributions in the total amount of \$31,185 will be contributed as follows:

- a. Salaries and wages of staff time for the following employees:

Employee Name	Title	Description of Duties	Base Rate (\$)/hr or % FTE	Year 1: # of Hours or \$ equivalent
Nona Shipman	Associate Director	Manage grant application, coordination, and oversee contest liaisons, participants and collaborations. Develop marketing and communication materials.	\$65.00	275 Hours
Hope Bartlett	Sus. Specialist	Assist the Associate Director with grant duties, work with MSU Denver Foundation Team to ensure prize monies are awarded.	\$55.00	242 Hours

Sincerely,

Nona Shipman
Associate Director, One World One Water Center
nshipman@msudenver.edu