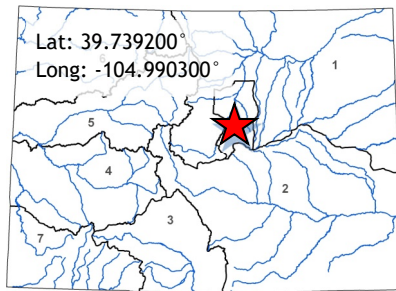


Water Plan Grant Application



L O C A T I O N	
County/Countries:	Denver
Drainage Basin:	Metro (South Platte)

D E T A I L S	
Total Project Cost:	\$807,685
Water Plan Grant Request:	\$261,000
Recommended Amount:	\$104,000
Other CWCB Funding:	\$0
Other Funding Amount:	\$546,685
Applicant Match:	\$0
Project Type: Other	
Project Category: Engagement & Innovation	
Measurable Result: 200 Acres of Restored or Preserved Habitat; 500,000 Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning; 3,000 Coloradans Impacted by Engagement Activity	

The applicant, The Park People, is a 501(c)3 non-profit organization in Denver working with communities to plant trees and improve parks “for a healthy, resilient future”. Since 1991, the applicant has distributed 60,000 trees to Denver residents.

The applicant’s program, WATERED, involves selecting 2,200 drought tolerant trees to distribute and plant around Denver. The applicant will help mobilize volunteers to plant “the urban forest”, promoting drought resilient trees in Denver’s diverse communities, and training an urban forestry workforce to address employment gaps, hoping to improve upon Denver’s water conservation practices for future decades.

The applicant hopes their multi-pronged approach will serve as an example to other cities along Colorado’s Front Range, alleviating the major cities’ strain on Colorado’s water sources. If approved, grant funds will be used to:

- Continue to refine best management practices for stewardship and species selection for an increasingly hot and dry Denver in collaboration with local arboreal, conservation, and city planning experts
- Dedicate time and resources to implementing and maintaining green infrastructure for Denver’s public lands, private residences, and affordable housing communities
- Work within Denver’s existing Green Infrastructure Plan to address Denver’s low-canopy areas, which represent the areas of the City most vulnerable to flooding, heat-induced evaporation, poor soil quality, and low water carrying capacity
- Plant over 2,200 drought resistant trees in Denver’s parks, private residences, and affordable house communities
- Sustain green infrastructure progress via training community urban forest advocates and an urban forestry workforce, providing emphasis on drought related issues in Denver and Colorado

The applicant projects the drought resistant trees will manage 96 million gallons of stormwater, provide residents with more than \$178,000 in energy savings, offset more than 6.7 million lbs of CO2, filter 50,000 lbs of air pollution and provide over \$500,000 in economic benefits from increased property values.

Funding Recommendation: Staff is recommending a grant of \$104,000 from the Engagement and Innovation category. The Review Committee believed it was appropriate to provide one year of funding for the WATERED program as ongoing programs are not something CWCB continuously funds.



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan

Water Project Summary

Name of Applicant	The Park People	
Name of Water Project	Project-01875 WATERED: Water Advocacy via Trees and Engagement	
Grant Request Amount		\$261,000.00
Primary Category		\$261,000.00
	<i>Engagement & Innovation Activities</i>	
Total Applicant Match		\$546,685.00
	<i>Applicant Cash Match</i>	\$436,285.00
	<i>Applicant In-Kind Match</i>	\$110,400.00
Total Other Sources of Funding		\$807,685.00
	<i>Great Outdoors Colorado</i>	\$125,500.00
	<i>Community Contributions/Donations</i>	\$145,000.00
	<i>Corporate Donations</i>	\$12,785.00
	<i>DDT Volunteer Time</i>	\$89,600.00
	<i>CF Volunteer Time</i>	\$20,800.00
	<i>CF Contributions</i>	\$7,500.00
	<i>Denver Department of Recreation</i>	\$36,000.00
	<i>Xcel Energy Foundation</i>	\$30,000.00
	<i>Xcel Energy Foundation</i>	\$30,000.00
	<i>Zofnass Family Contribution</i>	\$49,500.00
	<i>CWP Grant Funding</i>	\$261,000.00
Total Project Cost		\$1,615,370.00

Applicant & Grantee Information

Name of Grantee: The Park People
Mailing Address: 1510 S. Grant Street Denver CO 80210
FEIN: 846,045,624

Organization Contact: Hayley Kwasniewski
Position/Title: Email: hayley@theparkpeople.org
Phone: 219-689-4827

Organization Contact - Alternate: Kim Yuan-Farrell
Position/Title: Executive Director Email: kim@theparkpeople.org
Phone: 3037226262

Grant Management Contact: Hayley Kwasniewski
Position/Title: Email: hayley@theparkpeople.org
Phone: 219-689-4827

Grant Management Contact - Alternate: Kim Yuan-Farrell

Position/Title: Executive Director
Phone: 3037226262

Email: kim@theparkpeople.org

Description of Grantee/Applicant

No description provided

Type of Eligible Entity

- Public (Government)
- Public (District)
- Public (Municipality)
- Ditch Company
- Private Incorporated
- Private Individual, Partnership, or Sole Proprietor
- Non-governmental Organization
- Covered Entity
- Other

Category of Water Project

- Agricultural Projects
Developing communications materials that specifically work with and educate the agricultural community on headwater restoration, identifying the state of the science of this type of work to assist agricultural users among others.
- Conservation & Land Use Planning
Activities and projects that implement long-term strategies for conservation, land use, and drought planning.
- Engagement & Innovation Activities
Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website.
- Watershed Restoration & Recreation
Projects that promote watershed health, environmental health, and recreation.
- Water Storage & Supply
Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.

Location of Water Project

Latitude	39.739200
Longitude	104.990300
Lat Long Flag	Other: Coordinates based on other boundaries or locations
Water Source	N/A
Basins	Metro
Counties	Denver
Districts	8-South Platte Cheesman to Denver Gage; 2-South Platte: Denver Gage to Greeley

Water Project Overview

Major Water Use Type	Environmental
Subcategory	Education

Scheduled Start Date - Design 5/9/2022

Scheduled Start Date - Construction 5/6/2024

Description

WATERED provides a multi-pronged approach to Denver's urban forest and drought resilient green infrastructure, including mass plantings of drought resistant trees, community forester advocacy, and sustainable workforce development.

Measurable Results

0	New Storage Created (acre-feet) New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive Existing Storage Preserved or Enhanced (acre-feet)
0	New Storage Created (acre-feet) Length of Stream Restored or Protected (linear feet) Efficiency Savings (dollars/year) Efficiency Savings (acre-feet/year)
200	Area of Restored or Preserved Habitat (acres) Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement (acre-feet)
500,000	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
3,000	Number of Coloradans Impacted by Engagement Activity

Water Project Justification

The Park People's proposed program, WATERED, will build upon the organization's existing networks and expertise to increase capacity for Denver's water conserving practices. This project addresses several key challenges Colorado's water system faces, including "establishing cooperative alternatives to the rapid removal of water from farms and ranches to supply urban growth," "developing a statewide conservation ethic that recognizes the need to work within Colorado's naturally arid environment, increases the understanding of conservation practices, and reduces wasteful behavior," and "continuing to promote agility in Colorado water law and administrative practices, which have proven to be flexible enough to meet challenges presented by competing uses and increasing demands while protecting private property rights" (CWP, Ch. 1, p.g. 4). WATERED will develop green infrastructure throughout Denver, on private property and public land, while fostering a sustainable stewardship model. By providing community training and workforce development, The Park People's WATERED program will adhere to Colorado's water values: "a productive economy that supports vibrant and sustainable cities, viable and productive agriculture, and a robust skiing, recreation, and tourism industry; efficient and effective water infrastructure promoting smart land use; and a strong environment that includes healthy watersheds, rivers and streams, and wildlife" (CWP, Ch. 1, p.g. 6). The sustainable green infrastructure model of WATERED will center these priorities.

WATERED will also address projected alterations in Colorado's water supply. Experts project that Colorado's water supply and runoff will decrease, rates of evaporation will increase, water quality will worsen, and ecosystem quality will decline (CWP, Ch. 4, p.g., 9). Denver necessitates innovative, forward-thinking projects that improve Denver's resiliency for the long-term. WATERED's green infrastructure via urban forest stewardship will increase Denver's water carrying capacity, improve water quality, and promote healthy urban ecosystems. Furthermore, WATERED will address Colorado's alarming supply and demand gap, especially as it relates to the contentions between water supply and demand east and west of the continental divide. Increasing Denver's water carrying capacity via urban forest stewardship will alleviate pressures Colorado's water system faces. As

part of the Colorado Water Plan's Critical Action Plan, The Park People's WATERED program involves bolstering grassroots efforts to improve Denver's green infrastructure with a focus on educating community foresters and an urban forest workforce, providing sustainable improvement of Denver's water system.

Related Studies

<https://www.nature.com/articles/s41561-021-00787-0?proof=t%C2%A0#:~:text=As%20well%20as%20absorbing%20>

Reforestation of agricultural lands in Europe increases local and downwind summer rainfall, according to a new analysis of rain-gauge measurements from across the continent. Realistic levels of tree planting could therefore mitigate future droughts expected with climate change.

<https://dnrweblink.state.co.us/CWCB/0/edoc/211605/CWP-Overview-Linked-20180730.pdf>

CWP supply demand gap

<https://www.epa.gov/soakuptherain/soak-rain-trees-help-reduce-runoff>

Trees are valued for the beauty and many other benefits they bring to our landscapes and neighborhoods. Trees are increasingly recognized for their importance in managing runoff. Their leaf canopies help reduce erosion caused by falling rain. They also provide surface area where rain water lands and evaporates. Roots take up water and help create conditions in the soil that promote infiltration.

Taxpayer Bill of Rights

Not applicable.

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.

Last Updated: May 2021

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)
<p>In a few sentences, what is the overall goal of this project? How does it achieve the stated purpose of this grant fund (above)?</p>
<p>To confront Colorado’s water crisis, all Coloradans must steward Colorado’s natural resources. The front range, and Denver specifically, utilizes a significant portion of the state’s water. Through tangible actions stewarding our local trees, The Park People’s WATERED program will instill a sense of agency and passion for drought resiliency in Denver residents, mobilize mass grassroots efforts, and develop a network of natural resource stewards that will create a more drought resilient Denver.</p>
<p>Who is/are the target audience(s)? How will you reach them? How will you involve the community?</p>
<p>The Park People will engage Denver residents from all backgrounds. Our WATERED tree planting efforts will provide 2,400+ trees to private properties, public lands, and affordable housing communities and the WATERED stewardship projects will train 60+ community members to sustainably care for Denver’s drought resilient trees. The Park People will mobilize its volunteer network, which involves over 500 residents; host Community Forester Workshops; educate corporate groups, e.g., Ball Aerospace; and collaborate with partners to train community members in drought-resistant urban forestry.</p>
<p>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?</p>

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The Park People’s WATERED program will involve several stakeholders, including governmental entities, private corporations, and other non-profit agencies, while also engaging with Denver residents, affordable housing communities, and residents and neighborhood groups in low-canopy neighborhoods. Partners include Denver Parks and Recreation, Second Chance Center, American Forests, Front Range Community College, Denver’s Office of the City Forester, DLC Arbor Services, CO Tree Coalition, Front Range Urban Forestry Council, and Davey Tree. Other funding sources include the Zofnass Family, Denver corporations, community contributions, in-kind volunteer hours, Xcel Energy Foundation, and an anonymous contribution from a Denver-based foundation.

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

We will measure program success by evaluating several criteria, including the number of households served (goal: 1000+), the number of drought resistant trees distributed (goal: 2,400+), the percentage of trees planted in low-canopy neighborhoods (goal: 50%+), and the survival rates of trees planted (goal: 85%+). The first three years constitute the most vulnerable period for newly planted trees. During that time, The Park People will send seasonal tree care reminders to encourage good care practices and will serve as an ongoing resource for questions and concerns via our Tree Hotline. We evaluate survival data by neighborhood, tree species, and stock type to assess barriers to tree health and proper care. This baseline data measures the success of our efforts as The Park People continually adapts the WATERED program. While annual survivorship of tree planting projects in other U.S. cities varies widely, The Park People proudly achieves an average survival rate of roughly 85% (six months after planting), exceeding other typical success rates in our region.

The Park People will also assess participation experiences. The Park People will collect feedback from participants of all programs (Community Forester, Workforce Development, Mile High Tree Champions, and Denver Digs Trees). Furthermore, as part of the WATERED program, The Park People will gather feedback from several entities, including local water conservation, urban forestry, and city planning experts.

To further analyze program success, The Park People calculates future environmental benefits stemming from the implementation of green infrastructure via WATERED efforts. The Park People projects that WATERED drought resistant trees will manage 96 million gallons of storm water, provide residents with more than \$178,000 in energy savings, offset more than 6.7 million lbs of CO2, filter 50,000 lbs of air pollution, and provide \$520,000 in economic benefits from increased property values – totaling more than \$1 million in benefits to our community.

What research, evidence, and data support your project?

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There are numerous scientific studies, high-quality research, and replicable data that support The Park People’s WATERED Program. The following publications support The Park People’s grassroots efforts to develop Denver’s green infrastructure to conserve water and address Colorado water issues.

Vincent Cotrone, Penn State Extension Urban Forester and Green Infrastructure Expert, published an article that gathered data from the Center for Watershed Protection, USDA Forest Service, and Stroud Water Research Center to delineate the watershed benefits of green infrastructure. Green infrastructure, including drought resistant urban forests, increase water carrying capacity by promoting high-quality soil health via storm water mitigation, decreased flooding, and reduced soil erosion. These benefits also improve water quality in urban settings. Furthermore, a healthy urban forest canopy limits water losses due to evaporation, which becomes of particular interest as drought projections increase in severity for Colorado in the coming decades. These findings are supported by media from the Extension Foundation, Cooperative Extension, National Institute of Food and Agriculture, and American Forests, among other leading experts. An article titled, “Strategically growing the urban forest will improve our world” published in Nature (2018) argues that urban forestry and green infrastructure, like that of The Park People’s WATERED Program, presents numerous benefits for city planning, public health, and ecosystem conservation. This study also discusses urban development that generally leads to the removal of green infrastructure, indicating that cities may carry the greatest needs for green infrastructure.

The research supports green infrastructure and urban forest development. However, without an engaged, diversified community awareness and mobilization campaign, conservation plans do not typically succeed. According to Water Education Colorado, water conservation efforts among Coloradans need to greatly improve. People must be involved in water conservation efforts to deeply understand the importance of water conservation for Denver and Colorado, but also understand that they have the power to help the situation (i.e., by supporting green infrastructure, utilizing less water at home, making more water conservative informed decisions in their professional and/or personal lives, etc.). Furthermore, Water Education Colorado states that, “according to Melinda Kassen, senior counsel for the Theodore Roosevelt Conservation Partnership, restoration fits into a more natural philosophy of water systems. She hopes to see more municipalities begin to view natural infrastructure as just as valid as traditional infrastructure.” This encourages cities to incorporate green infrastructure to improve water issues in Colorado. The Park People will instill a passion for water stewardship in its participants via green infrastructure since the WATERED program foundationally incorporates numerous ways to reach and engage with several Denver communities. By engaging Denverites in stewarding trees, The Park People will help residents embrace a role as active environmental actors and stewards of our precious water resources.

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

Short-term challenges include acquiring the capital necessary to incorporate WATERED into The Park People’s organizational activities. However, The Park People’s long history provides a network of supporters, donors, and contributors to programming, allowing The Park People flexibility to produce high-quality projects that benefit all Denver residents.



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Long-term challenges relate to The Park People’s future capacity to expand these critical programs. Demand for The Park People’s programs grows as the need for holistic climate change solutions becomes increasingly apparent. Support from the Colorado Water Conservation Board would facilitate The Park People meeting these crucial community demands.

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 Park People’s WATERED (Water Advocacy via Trees and Engagement to Relieve Effects of Drought) Program will directly interact with thousands of Denver residents, teaching them about Colorado’s water issues, drought prevalence, future temperature projections, and how green infrastructure improves these circumstances, creating a resilient Denver. Furthermore, participants of our Mile High Tree Champions, Community Foresters, and Workforce Development programs will become local, on the ground community advocates of drought resistant green infrastructure and a sustainable urban forest. This level of engagement will improve Denver’s public awareness of water issues. The Park People will create shareable media pieces about the WATERED Program, which will also be applicable to other Front Range cities and throughout the state.

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.

WATERED aligns with the Colorado Water Plan values in the following ways:

1. “Colorado’s Water Plan values a productive economy that supports vibrant and sustainable cities; viable and productive agriculture; and a robust skiing, recreation, and tourism industry” The Park People will develop green infrastructure and build capacity for the maintenance of such infrastructure, creating a more sustainable Denver. Also, the Urban Forestry Workforce Development Program will support productive economic outputs, while training professionals to steward Denver’s conservation practices.
2. “Colorado’s Water Plan values efficient and effective water infrastructure” Green infrastructure represents an innovative solution to increase water carrying capacity, limit soil erosion, and mitigate flooding, supporting water conservation efforts on multiple fronts. The Park People’s WATERED Program will plant over 2,000 drought resistant trees, likely surviving an average of 40 years. A strong urban forest is long-lasting, effective, and provides numerous community, environmental, and conservation benefits.



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3. “Colorado’s Water Plan values a strong environment that includes healthy watersheds, rivers, streams, and wildlife” Urban forests improve water quality, removing pollutants from the air and from water flows and promoting an overall healthier watershed. Additionally, urban forests function as habitat for wildlife in the built environment, with trees serving as keystone structures, supporting food webs, natural ecology, and biodiversity in our cities.

The Park People’s WATERED program addresses the following Colorado Water Plan objectives:

- Decreasing the Supply-Demand Gap: WATERED will utilize green infrastructure to increase Denver’s water carrying capacity, conserving water in Colorado’s largest municipality. The Park People will also share Colorado Water Plan program processes with other Colorado cities, acting as a model to address water losses due to urban development and the expansion of impermeable surfaces.
- Conservation: Trees and a healthy urban forest will conserve water in Denver via flood mitigation, drought resistance, decreased water loss due to evaporation, and decreased soil erosion.
- Watershed Health, Environment, and Recreation: WATERED incorporates green infrastructure into private properties, public lands, and affordable housing communities, reaching Denver communities comprehensively. These practices support Coloradoan’s efforts to build a healthier watershed for the city, while also improving the city’s environmental circumstances. Trees act as wildlife habitats, filter out air and water pollutants, decrease temperatures via shading and evapotranspiration, sequester carbon, and improve mental and physical health of communities. Focusing on green infrastructure via drought resistant trees promotes watershed health, environmental improvements, and increased recreational opportunities.
- Education, Outreach, and Innovation: The Park People will directly engage with 2,000+ Denver residents, from under-employed participants in the Urban Forestry Workforce Development Program to corporate leaders volunteering with Mile High Tree Champions. WATERED will teach community members about Colorado’s drought predicament, the need for drought resiliency, and the significance of water conservation practices. Equally as important, WATERED will empower Denver residents to be part of the solution.

Describe how the project achieves the education, outreach, and public engagement goals set forth in the applicable Basin Implementation Plan(s).

The South Platte Basin Implementation Plan, a collaboration of the South Platte Basin and Metro Basin Roundtables, summarizes the basins’ challenges: “Because of the diverse population and economic drivers in the basin, as well as a host of specific challenges on the water available for developing new supply, the South Platte Basin faces an enormous challenge in meeting its future water needs. As the Basin faces the greatest projected regional supply gap, it will need to continue to develop creative, multifaceted approaches to meet a growing demand.” The Park People, being a part of the Denver community for over 50 years, understands the vibrant, significant, and unique economic, cultural, and social activities the City hosts. WATERED takes into account the diverse water consumers in the city, tailoring outreach to meet their needs. The South Platte Basin Implementation Plan recommends “design[ing] and implement[ing] an intensive education, participation and outreach program designed to generate a lasting baseline of public awareness and support.” WATERED will sustainably empower local advocates of drought resistant urban forests for the long-term.

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Describe how the project achieves the basin roundtable’s PEPO Education Action Plans.
<p>The South Platte Basin Implementation Plan suggests “develop[ing] and maintain[ing] basin-specific outreach tools and approaches.” The Park People will deliver its WATERED program to residents of this basin, engaging them in numerous ways. The Community Forester Program will empower local water advocates to amplify water conservation and urban forestry stewardship in their own neighborhoods. The Urban Forestry Workforce Development Program will equip Denver residents with the skills, knowledge, and education necessary to maintain Denver’s green infrastructure. The Mile High Tree Champions and Denver Digs Trees programs will allow Denver residents to adopt and care for trees in their community. These WATERED projects will advance Colorado Water Plan and South Platte Basin Implementation Plan education objectives.</p>

Innovation Track
Describe how the project enhances water innovation efforts and supports a water innovation ecosystem in Colorado.
<p>According to the Environmental Protection Agency’s publication, <i>Examples of Innovation in the Water Sector</i>, one example of innovative water techniques is “improving and greening of water infrastructure.” The EPA specifically names “greening of our cities” as methodology for water conservation, providing as an example Philadelphia’s Green City, Clean Waters plan to promote green infrastructure. The Park People want to build Denver’s and other Colorado cities’ capacities to develop such innovative, green infrastructure. For Colorado, drought conditions require an emphasis on drought resistant green infrastructure. A healthy urban forest will directly promote resilient ecosystems in Denver and in other cities across the state.</p>
Describe how the project engages/leverages Colorado’s innovation community to help solve our state’s water challenges.
<p>As a part of the WATERED program, we will gather feedback and input of local water, city planning, and urban forest experts through a year 1 evaluation. The Park People will invite members of Colorado’s innovation community to this evaluation process.</p>
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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TAP-IN focuses on inter-connectivity between water consumers, innovators, and entities to develop creative solutions around Colorado’s water issues. TAP-IN identifies growing demands of an increasing population, water supply limitations, natural disasters, and drought as key Colorado water issues. WATERED will support TAP-IN’s mission by convening water leaders via evaluation processes and engaging community groups through water stewardship projects. The Park People will also address these issues by innovatively improving and developing Denver’s green infrastructure.

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

Green infrastructure increases in popularity as more data proves its wide array of benefits. However, implementing green infrastructure updates to a city already developed comes with numerous challenges. The Park People’s local reputation, robust partnerships, and capacity to mobilize the community will allow WATERED to succeed in developing green infrastructure throughout private properties, public lands, and affordable housing communities.

Along with developing green infrastructure, cities and governmental entities realize the stark need for a well-trained, dependable, and dedicated workforce. Communities also emphasize the need for equitable natural resource distribution and programs to mitigate climate injustices. To serve all Denver residents, within all zip codes and neighborhoods, The Park People will train residents in need of stable, high-quality work. This equitable economic facet of WATERED addresses current climate needs and demands for conservation projects that serve all Coloradans. To that end, The Park People are leading Denver’s urban forestry sector in creating a dependable, sustainable workforce trained in drought tolerant and urban hardy green infrastructure.

Last Updated: May 2021

Colorado Water Conservation Board

Water Plan Grant – Statement of Work – Exhibit A

Statement Of Work

Date:	12/01/2021
Name of Grantee:	The Park People
Name of Water Project:	WATERED: Water Advocacy via Trees and Engagement to Relieve Effects of Drought
Funding Source:	Colorado Water Plan Grant

Water Project Overview:

Colorado faces a water crisis: experts project current drought prevalence and temperatures will continue to increase, contentions between Western Colorado water resources and Front Range water utilization run high, and, to strain an already precarious situation, the state’s population is experiencing intense, rapid population growth. This complex social and ecological system requires intentional procedures and plans to truly mitigate Colorado’s future water shortages. To this end, the largest municipal water demands must be addressed to ensure water conservation efforts occur in high-impact areas.

According to the Colorado Water Plan Factsheet, “80% of water falls west of the continental divide... [while] 90% of [Coloradans] live east of the continental divide” (CWCB, DNR). Additionally, population growth is predominantly occurring along Colorado’s Front Range (The Denver Post). The gap between water availability in Western Colorado and water utilization in Eastern Colorado will likely worsen if serious actions are not taken in Colorado’s largest cities. Although Denver’s water demands remain high and will likely increase, Denver, and its 700,000+ residents and massive infrastructure, supports roughly 76 million dollars of Colorado’s annual economy (Census Bureau, The Denver Post). With its rapid development and significant economic priorities, Denver requires infrastructural mitigation to maintain water conservation efforts as more land transitions to residential or business districts.

Fortunately, there is a simple solution that alleviates water conservation stresses within urban settings: trees. According to a journal article published in Nature, experts found that reforestation increased water volumes downstream, showing how trees promote drought resilience and optimize watershed carrying capacity. According to Colorado’s regional Community Tree Guide, one tree planted intercepts 1,200+ gallons of rainfall annually when fully grown. WATERED will plant 2,000+ trees. Therefore, with an average life expectancy of 40 years, this green infrastructure will intercept an estimated 96 million gallons of rainfall. An investment in green infrastructure will increase drought impact mitigation for the long-term.

Tree planting in Denver necessitates community collaboration to plant on private property, governmental support to plant on public lands, and mobilization of community leaders. The most powerful, lasting, and equitable urban forestry efforts involve the engagement of community members. Furthermore, designing and developing green infrastructure incurs numerous costs; one tree, depending on species, age, and size, typically costs \$150-250 to purchase, plant, and maintain. Fortunately, The Park People, a 501(c)3 non-profit in Denver, has a long history of partnership collaboration, community mobilization, and acquiring diverse funding sources. Scott Robson, former manager of Denver Parks and Recreation, noted that “The Park People



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is the leading nonprofit partner for Denver's Department of Parks and Recreation. For more than 49 years, DPR has worked closely with The Park People on a variety of public/private partnerships that have dramatically enhanced Denver's parks and recreation resources. Denver could not be more fortunate to have The Park People hard at work in their dedication to city's the parks and recreation system and urban tree canopy."

The Park People's mission is to work with communities to plant trees and improve parks for a healthy, resilient future. Water shortage will continue to be a issue facing cities in the arid west. The Park People deeply understand the urgency of promoting effective water usage and green infrastructure to effectively manage water quality and quantity in the basin. The Park People's program, WATERED, will involve drought tolerant tree selection and stewardship methodology, 2,200+ hardy, urban trees distributed and planted, mobilization of volunteers for the urban forest, promoting trees in Denver's diverse communities, and training an urban forestry workforce to address employment gaps, sustainably improving Denver's water conservation practices for numerous decades. This multi-pronged approach will serve as an example to other cities along Colorado's Front Range, alleviating the major cities' strain on Colorado's water sources. To fulfill these impactful deliverables, The Park People requests \$261,000 from Colorado Water Plan grant funding. The Park People's WATERED program will support the Colorado Water Conservation Board's mission to conserve, develop, protect, and manage Colorado's water for present and future generations.

Project Objectives:

- 1. Continue to refine best management practices for stewardship and species selection for an increasingly hot and dry Denver in collaboration with local arboreal, conservation, and city planning experts**
- 2. Dedicate time and resources to implementing and maintaining green infrastructure for Denver's public lands, private residences, and affordable housing communities**
- 3. Work within Denver's existing Green Infrastructure Plan to address Denver's low-canopy areas, which represent the areas of the City most vulnerable to flooding, heat-induced evaporation, poor soil quality, and low water carrying capacity**
- 4. Plant over 2,200 drought resistant trees in Denver's parks, private residences, and affordable house communities**
- 5. Sustain green infrastructure progress via training community urban forest advocates and an urban forestry workforce, providing emphasis on drought related issues in Denver and Colorado**

Tasks

Task 1 - Drought Resistant Tree Methodology Development for Fall 2022 and Spring 2023

Description of Task:

The Park People will gather expertise within our network to evaluate criteria for tree plantings. Staff, community foresters, tree care professionals, and city foresters will collaborate on tree species, quantities, designations, and planting schedules. With the necessary information on drought resistance optimization, The Park People will organize data to create a Tree Planting Plan for Fall 2022 and Spring 2023 to ensure that the facilitation of green infrastructure development runs efficiently and with high quality. To this end, trees will foster drought resiliency and increase water carrying capacity throughout Denver.



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Method/Procedure:
<ol style="list-style-type: none"> 1. Continue a collaboration with Colorado State Forest Service, The City of Denver’s Office of the Forester, and others, TPP is updating the Front Range Recommended Tree Species list with proven trees for the area 2. Coordinate with Denver Parks and Recreation to designate optimal tree planting locations 3. Organize quantity, species, ages, and sizes of trees based on local needs, drought resiliency, urban durability, and geography 4. Continue partnership with Denver Parks and Recreation to ensure the city’s inventory is effectively managed for species diversity and age 5. Gather planning pieces to create the Drought Resistant Tree Planting Plan for Fall 2022 and Spring 2023, especially as it relates to Denver Digs Trees
Deliverable:
<ul style="list-style-type: none"> • Develop the Drought Resistant Tree Methodology Plan for Fall 2022 and Spring 2023 that includes projected tree species and areas they will be incorporated into Denver’s green infrastructure

Tasks

Task 2 – Year 1 Training Urban Forest Stewards: Community Forester and Workforce Development 2022

Description of Task:

Resolutions to Colorado’s water crisis must include well-trained residents able to steward and care for Denver’s green infrastructure. While investing in green infrastructure will deeply improve Denver’s drought resiliency and water carrying capacity, we must avoid a circumstance where the City does not have the personnel to maintain the developed infrastructure. A robust, well-staffed tree care sector is critical for the health and sustainability of Denver’s urban forest. Therefore, The Park People will cultivate a necessary urban forest expert network for the Denver community. The Park People will focus efforts on two programs: Community Forester and Urban Forestry Workforce Development.

The Park People initiated Community Forester, a program that educates local residents and empowers them to lead tree planting and care activities within the community, in 2003 in collaboration with Denver’s Parks and Recreation Department and Denver’s Office of the City Forester. Once trained, Community Foresters lead and participate in tree planting and care projects in their neighborhoods, as well as activities for The Park People and Denver’s Office of the City Forester. The program consists of five workshops hosted annually. Typically, the program mostly involves Denver’s Office of the City Forester curriculum and reaches 35-55 people, with 15-25 completing all five sessions. For 2022, The Park People will assume a larger, teaching role, adapting elements of the curriculum to address Colorado and Denver water systems, drought resiliency, and Colorado Water Plan awareness. Instructing local, grassroots leadership in volunteers will sustainably and cost effectively support Denver’s green infrastructure development and drought resiliency.

To create a drought-resilient Denver, all residents must have access to Colorado water information. Grassroots community involvement represents a critical piece to Denver’s drought resiliency solution. However, paid urban forestry positions provide several additional benefits, including capacity, time, and commitment. Currently, the sector faces significant under-staffing, but offers a meaningful, family-supporting career path for populations who face barriers to employment. Creating a program that equitably advances Colorado Water Plan initiatives is crucial for the creation of a water-conscious community, as well as the

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health and resilience of all our communities. Pathways for inclusive education and employment opportunities represent an impactful component of equitable involvement and participation in creating the necessary drought-resilient future for Denver and Colorado. To create a drought-resilient Denver, all residents must have access to Colorado water information and employment opportunities. Therefore, The Park People will launch its Urban Forestry Workforce Development Program in 2022. It will provide an eight-week paid pre-apprenticeship program that combines classroom instruction, work-based learning, career exploration, and job readiness training. At the end of the program, trainees will have access to opportunities for direct placements into tree care jobs or into a three-year, quality arborist apprenticeship program.

Input from municipalities, community organizations, residents, and tree care companies across Denver informed this collaborative model. Expertise from national nonprofit American Forests, Front Range Community College, and local area employers will mold the pre-apprenticeship curriculum. The program will include critical skill building and knowledge acquisition as it relates to drought resilient trees and urban environments to ensure Denver’s green infrastructure functions to mitigate drought impacts. Partner organizations providing learning experiences and possible job opportunities for trainees will include Denver’s Office of the City Forester, DLC Arbor Services, and Davey Tree.

In the program’s pilot year (2022), it will serve 10 justice-involved individuals recruited through Second Chance Center, an organization that helps formerly incarcerated individuals transition to lives of success and fulfillment. Second Chance Center will provide essential supportive services (e.g. housing, mental health counseling, transportation) and job readiness training to participants. During their training, pre-apprentices will plant and steward 320 drought resistant trees. In the second year, The Park People hopes to broaden the program to serve other populations who face barriers to employment. Ultimately, the workforce development program will help meet pressing community needs, advancing drought resiliency and water carrying capacity of Denver, while providing an underserved community with Colorado Water Plan initiatives and outreach that otherwise may not be reached. Colorado Water Plan funding would support these crucial first two years of the new Urban Forestry Workforce Development Program, while supporting innovative drought resiliency additions to the Community Forester Program curriculum.

Method/Procedure:

1. Coordinate with partners to build an Urban Forestry Workforce Development Program model that includes job skills training, socioeconomic support, conservation information, and drought resiliency focuses
2. Recruit 10 individuals to participate in the Urban Forestry Workforce Development Program with Second Chance Center
3. Provide 10 individuals with 8-week pre-apprenticeship program that incorporates green infrastructure care practices to support the health of Denver’s drought resistant trees
4. Modify Community Forester curriculum with focuses on the Colorado Water Plan, drought resiliency, and water carrying capacity of green infrastructure with the support of local, statewide, and national expertise
5. Advertise and promote sign-ups for the Community Forester workshops via digital marketing, paper media, outreach through The Park People’s community networks, and other marketing tools
6. Host 5 Community Forester workshops that incorporate new curriculum on the Colorado Water Plan, drought resiliency, and water carrying capacity of green infrastructure

Deliverable:

- Create Community Forester curriculum that includes informative pieces on the Colorado Water Plan, drought resiliency, and water carrying capacity of green infrastructure
- Reach 35-55 community leaders via Community Forester workshops (wide range accounts for variance in participation due to the COVID-19 pandemic)



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- Train 10 individuals to sustainably care for Denver’s green infrastructure via drought resistant tree care and stewardship through the Urban Forestry Workforce Development Program
- Plant over 300 drought resistant trees that will intercept and retain 362,000 gallons of water annually

Tasks

Task 3 – Year 1 Mass Community Mobilization: Engaging Corporations and Denver Digs Trees

Description of Task:

The Park People’s goal of educating Denver residents on Colorado water issues and empowering them to advocate for green infrastructure requires meeting residents on their level and at their capacity for engagement. Most Denver residents do not have the capacity to dedicate the time necessary to participate in the Community Forester and the Urban Forestry Workforce Development programs. Therefore, The Park People provides residents with one-day volunteering opportunities to participate in developing Denver’s green infrastructure: Mile High Tree Champions and Denver Digs Trees. These two programs constitute mass community mobilization and outreach.

When discussing Denver’s water systems, corporations and businesses should be addressed. According to ADEC Innovations, “The success of future water initiatives depends on many factors, [including]... involvement and cooperation among diverse business, community, and government stakeholders.” Denver’s economic drivers contribute to the water supply and demand gap and, therefore, should participate in the solution. Corporate responsibility regarding water constitutes the foundation of The Park People’s Mile High Tree Champions (MHTC) program. MHTC seeks to promote corporate responsibility and environmental stewardship via drought resistant tree plantings at public parks and affordable housing communities in Denver. A corporate group (i.e., Ball Aerospace) will spend 4 hours on a Saturday or Sunday morning with The Park People staff and Community Foresters at a pre-designated park or affordable housing community planting drought resistant trees. Before initiating planting, each group receives a brief tree planting training followed by a discussion on green infrastructure benefits. While this program started several years ago, The Park People will incorporate Colorado Water Plan initiatives into the program design, better serving Denver via highlighting its pressing water issues. The Park People hopes to act as a green infrastructure knowledge source for leaders within companies that have large impacts on Colorado’s water system.

The second piece of The Park People’s mass community mobilization is Denver Digs Trees (DDT), an annual event that results in over 1,000 trees planted throughout Denver, including both private property and on public lands. Based on data from The Environmental Protection Agency, one barrier to green infrastructures is catering to private property policies and procedures. While The Park People works closely with governmental entities, like Denver Parks and Recreation, for example, 501(c)3 designation circumvents some of these barriers. A non-partisan, non-governmental entity with a 50+ year history and local reputation has the capacity and networks to collaborate with private landowners, allowing DDT to reach hundreds of private households. Following plantings, DDT participants receive e-tree care tips, as well as other media, and local community expert conduct site visits to monitor green infrastructure health. DDT has been a project of The Park People for decades. However, The Park People seeks to create more focused tree care guidelines and inspections that account for water issues. Colorado Water Plan grant funding will be utilized to incorporate CWP initiatives into MHTC and DDT, while supporting the planting of over 1,200 drought resistant trees. This model will both educate community members throughout Denver and develop high-quality, grassroots efforts for Denver’s green infrastructure.

Method/Procedure:



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<ol style="list-style-type: none"> 1. Work with the City of Denver and other partners (e.g., Denver Housing Authority) to coordinate MHTC tree planting sites and dates 2. Recruit and schedule MHTC corporate partners 3. Plan and create Colorado Water Plan discussion topics and points of importance to present to MHTC corporate groups 4. Host 4-6 MHTC planting events 5. Utilize MHTC networks, as well as social media, digital marketing, radio broadcasts, and e-blasts, to advertise DDT applications, which are live in January 6. Conduct focused marketing and outreach in low-canopy areas of Denver, which represent the portions of the City most vulnerable to drought, flooding, and extreme heat impacts 7. In-take and process DDT applications 8. Coordinate with tree nurseries to acquire appropriate species, ages, and sizes of drought resistant trees 9. Host DDT in April, distributing over 1,000 drought resistant trees 10. Send out water-focused care media for the newly implemented green infrastructure
<p>Deliverable:</p> <ul style="list-style-type: none"> • Host 4-6 MHTC planting events with Colorado Water Plan initiatives for 150 participants total • Plant 100-200 drought resistant trees via MHTC • Engage 300+ volunteers, 600+ households, and 2,000+ Denver residents via DDT • Plant over 1,000 drought resistant trees via DDT • Provide DDT participants with high-quality tree care guides post-plantings • Conduct 300+ health checks 3-6 months post-plantings

Tasks
<p>Task 4 – Gather Water Leaders: Evaluate Year 1 Efforts and Develop Year 2 Methodology</p>
<p>Description of Task:</p> <p>Year 1 of WATERED will lay the foundation of The Park People’s Colorado Water Plan program, providing a baseline for feedback, improvements, and innovative directives. Following year 1 tasks, The Park People will host evaluations of year 1 efforts in collaboration with local experts. Invited partners will likely include Denver Parks and Recreation staff, previous Community Foresters, CO Tree Coalition affiliates, Front Range Urban Forestry Council members, Denver Public Works partners, Denver Department of Public Health and Environmental employees, and Conservation District representatives. This task will evaluate:</p> <ol style="list-style-type: none"> 1. Colorado Water Plan curriculum used for Community Forester instruction, 2. Trainings related to water conservation for the Urban Forestry Workforce Development program, 3. Colorado Water Plan discussion points and outreach presented to MHTC corporate groups, and 4. The effectiveness of DDT outreach and green infrastructure campaign as it relates to Colorado’s water systems. <p>This evaluative process includes conversations around Denver’s Green Infrastructure Implementation Strategy, with discussions involving watershed health, water quality, and high priority basins. All WATERED tasks will be evaluated based on their effectiveness to reach low-canopy areas that are highly vulnerable to evaporative processes; plant healthy, long-lasting green infrastructure to increase Denver’s water carrying capacity; and increase awareness of Colorado’s water issues among Denver residents.</p>
<p>Method/Procedure:</p>



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<ol style="list-style-type: none"> 1. Gather data on year 1 efforts 2. Invite partners to an evaluation session(s) 3. Organize an agenda and goals for the session(s) 4. Develop evaluative metrics and processes (i.e., short discussions, surveys, etc.) 5. Host the evaluation session with key, strategic partners 6. Summarize key points of the evaluation process
Deliverable:
<ul style="list-style-type: none"> • Gather input from water conservation and urban forestry leaders to evaluate year 1 efforts of The Park People’s WATERED (Water Advocacy via Trees and Engagement to Relieve Effects of Drought) program

Tasks
Task 5 – Year 2 Training Urban Forest Stewards: Community Foresters and Workforce Development 2023
Description of Task:
<p>Based on the evaluative efforts of Task 4, The Park People will update and improve its training of urban forest stewards. This may include expanding the Workforce Development program to serve greater numbers of pre-apprentices, increasing the number of Community Foresters annually, updating Colorado Water Plan education pieces to better reach community members, etc. The goal of the Urban Forestry Workforce Development Program and Community Forester Program will remain the same: train a diverse group of community stakeholders to advocate for and conduct best practices for a sustainable, drought resistant green infrastructure model for Denver.</p>
Method/Procedure:
<ol style="list-style-type: none"> 1. Update year 1 efforts with feedback from the task 4 evaluation session(s) 2. Coordinate with partners to build an Urban Forestry Workforce Development Program model that includes job skills training, socioeconomic support, conservation information, and drought resiliency focuses 3. Recruit 10 individuals to participate in the Urban Forestry Workforce Development Program with Second Chance Center 4. Provide 10 individuals with 8-week pre-apprenticeship program that incorporates green infrastructure care practices to support the health of Denver’s drought resistant trees 5. Create Community Forester curriculum with focuses on the Colorado Water Plan, drought resiliency, and water carrying capacity of green infrastructure with the support of local, statewide, and national expertise 6. Advertise and promote sign-ups for the Community Forester workshops via digital marketing, paper media, and other marketing tools 7. Host 5 Community Forester workshops that incorporate new curriculum on the Colorado Water Plan, drought resiliency, and water carrying capacity of green infrastructure <p>Please note: based on year 1 feedback and capacity, this procedure may include positive modifications (i.e., more individuals reached)</p>



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<p>Deliverable:</p> <ul style="list-style-type: none"> • Update Community Forester curriculum that includes informative pieces on the Colorado Water Plan, drought resiliency, and water carrying capacity of green infrastructure based on year 1 evaluation • Reach 35-55 community leaders via Community Forester workshops (wide range accounts for variance in participation due to the COVID-19 pandemic) • Train 10 individuals to sustainably care for Denver’s green infrastructure via drought resistant tree care and stewardship • Plant over 300 drought resistant trees that will hold 362,000 pounds of water annually <p>Please note: based on year 1 feedback and capacity, these deliverables may include positive modifications (i.e., more individuals reached)</p>

Tasks

Task 6 – Year 2 Mass Community Mobilization: Engaging Corporations and Denver Digs Trees

<p>Description of Task: retry with new stuff</p> <p>Based on the evaluative efforts of Task 4, The Park People will update and improve its mass community mobilization efforts. This may include increasing the number of drought resistant trees planted, building capacity for more MHTC corporate plantings, updating water information pieces to better reach the community, etc. The goal of the Mile High Tree Champions Program and Denver Digs Trees will remain the same: engage a significant number of Denver’s residents in developing and advocating for drought resistant green infrastructure throughout Denver and Colorado.</p>
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Method/Procedure:

<ol style="list-style-type: none"> 1. Update mass community mobilization efforts based on year 1 feedback 2. Work with the City of Denver to coordinate MHTC tree planting sites and dates 3. Recruit and schedule MHTC corporate partners 4. Plan and create Colorado Water Plan discussion topics and points of importance to present to MHTC corporate groups in collaboration with evaluative partners in task 4 5. Host 4-6 MHTC planting events 6. Utilize MHTC networks, as well as social media, digital marketing, radio broadcasts, and e-blasts, to advertise DDT applications, which are live in January 7. Conduct focused marketing and outreach in low-canopy areas of Denver, which represent the portions of the City most vulnerable to drought impacts 8. In-take and process DDT applications 9. Coordinate with tree nurseries to acquire appropriate species, ages, and sizes of drought resistant trees 10. Host DDT in April, distributing over 1,000 drought resistant trees 11. Update water-focused care media for the newly implemented green infrastructure based on evaluative feedback for year 1 <p>Please note: based on year 1 feedback and capacity, this procedure may include positive modifications (i.e., more drought resistant trees planted)</p>

<p>Deliverable:</p>



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- Host 4-6 MHTC planting events with Colorado Water Plan initiatives for 150 participants total
- Plant 100-200 drought resistant trees via MHTC
- Engage 300+ volunteers, 600+ households, and 2,000+ Denver residents via DDT
- Plant over 1,000 drought resistant trees via DDT
- Provide DDT participants with high-quality tree care guides post-plantings
- Conduct 300+ health checks 3-6 months post-plantings

Please note: based on year 1 feedback and capacity, these deliverables may include positive modifications (i.e., more drought resistant trees planted)

Tasks

Task 7 – Evaluate CWP Grant Efforts; Develop CWP and Drought Media

Description of Task: evaluate yr 1, yr 2, the changes implemented in btwn

After completing year 2’s tasks, The Park People will evaluate its WATERED program. This process will be similar to task 4. However, there will be special emphasis on the alterations conducted in year 2 based on year 1 feedback, and how those changes impacted year 2’s tasks and their effectiveness. Attention will be given to the number of Denver residents engaged, the amount of water carrying capacity incorporated into Denver’s water system, survival rate of the newly developed green infrastructure, and participant experience of water advocacy outreach materials.

Method/Procedure:

1. Gather data on year 1 and year 2 efforts
2. Analyze updates to year 2 and their effectiveness/impacts
3. Summarize key points of the evaluation process
4. Create a sustainable model for the WATERED program to be used in future years
5. Develop shareable Colorado Water Plan, Drought, and The Park People’s WATERED program media (i.e., presentations, infographics, digital media, etc.) based on needs identified via the evaluation process

Deliverable:

- Evaluation of Colorado Water Plan grant tasks
- Colorado Water Plan, Drought, and The Park People’s WATERED media based on these efforts that is shareable among other Colorado water experts and stewards

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



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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

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: **11/17/2021**

Name of Applicant: **The Park People**

Name of Water Project: **WATERED: Water Advocacy via Trees and Engagement to Relieve Effects of Drought**

Project Start Date: **05/09/2022**

Project End Date: **05/06/2024**

Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total
1	Drought Resistant Tree Methodology Development for Fall 2022 and Spring 2023	5/9/2022	7/6/2022	0	\$4,800	\$4,800
2	Year 1 Training Urban, Drought-Resilient Forest Stewards	5/9/2022	12/31/2022	\$80,500	\$175,732	\$256,232
3	Year 1 Mass Community Mobilization	8/01/2022	04/23/2023	\$50,000	\$115,708	\$165,708
4	Gather Water Leaders: Evaluate Year 1 Efforts and Develop Year 2 Methodology	04/25/2023	06/25/2023	\$0	\$9,650	\$9,650
5	Year 2 Training Urban, Drought-Resilient Forest Stewards	5/9/2023	12/31/2023	\$80,500	\$119,732	\$200,232
6	Year 2 Mass Community Mobilization	08/01/2023	04/24/2024	\$50,000	\$115,708	\$165,708
7	Evaluate CWP Grant Efforts; Develop CWP and Drought Media	04/25/2024	05/29/2024	\$0	\$5,355	\$5,355

Total	\$261,000	\$546,685	\$807,685
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