

**Water Supply Reserve Fund
Water Activity Summary Sheet
September 16-17, 2020
Agenda Item 19(g)**

Applicant & Grantee: Colorado Nonprofit Development Center

Water Activity Name: 10.10.10 Water and Climate Program

Water Activity Purpose: Education & Outreach-Implementation

County: Front Range counties

Drainage Basin: South Platte and Arkansas

Water Source: Front Range tributaries

Amount Requested: \$45,000 Metro Account

Matching Funds: Basin Account Match (cash & in-kind) = \$117,700
 • 261% of Basin Account request (meets 25% min)

Staff Recommendation:

Staff recommends approval of up to \$45,000 from the Metro Account to help fund the project: Water and Climate Program.

Water Activity Summary: WSRF Funds, if approved will assist 10.10.10 conduct original research combining systems maps, stakeholder engagement, and research briefs to enhance approaches to water challenges in Denver and the front range. Research materials will in turn be used to facilitate a 10.10.10 program devoted to Water and Climate.

Discussion: This effort will assist the Metro Roundtable achieve their goals as called for in Section 4.1.3 in the South Platte Basin Implementation Plan.

Issues/Additional Needs: None

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

Evaluation Criteria: n/a.

Funding Sources/Match	Cash	In-kind	Total	Status
X Genesis	\$0	\$54,500	\$54,500	Secured
Colorado Water Plan Grant	\$63,200	\$0	\$63,200	Secured
Sub-total	\$63,200	\$54,500	\$117,700	
WSRF Metro Account	\$45,000	\$0	\$45,000	Secured
Total Project Costs	\$108,200	\$54,500	\$162,700	

CWCB Project Manager: Ben Wade

July 21, 2020

Colorado Water Conservation Board
1313 Sherman Street, Suite 721
Denver, CO 80203

RE: 10.10.10's Water and Climate Program

Dear Honorable Board Members,

At its July 9, 2020 meeting, the Metro Roundtable (MRT) voted unanimously to approve a WSRF grant of \$45,000 from basin funds to support 10.10.10's Water and Climate Program.

10.10.10, harnesses the power of systems thinking, research, and entrepreneurship to address the most challenging and seemingly intractable problems of our day. Over the past 5 years, their programs have addressed problem areas within the themes of water, infrastructure, health, work, and learning. They have developed research and engaged subject matter experts around 68 unique wicked problems¹ and served over 500 participants. Further, they have accelerated learning and sparked radically new perspectives on wicked problems plaguing our society and communities.

As water has shaped our region's past and is in many ways the singular most significant issue shaping Colorado's future, 10.10.10 believes exploring wicked problems related to water and climate is of utmost importance. Their unique approach to research involves systems mapping as well as engaging stakeholders from across the region--including the Metro Roundtable (MRT) and CWCB representatives--in exploring systems perspectives to in turn identify possible intervention points and solutions.

10.10.10 is proposing a program devoted to the wicked problems related to water and climate. Their 2021 Water and Climate Program will bring attention to the pressing issues in our state, the metropolitan area, and across the front range and direct stakeholders and the community in exploring these issues in more depth. The estimated cost of facilitating the complete program is \$600,000.

10.10.10 requested \$45,000 from the MRT to support the research component of this project. The research phase of this project would engage the MRT, CWCB, and various other stakeholders from public, private, and government sectors in systems mapping exploration and research. The MRT would receive the research products of this effort, including systems maps and research briefs detailing the complex, interconnected, and dynamic system of water and its related components in our state. X Genesis, a 10.10.10 partner, will provide a matching amount of \$54,000.

After discussion, the MRT unanimously agreed this project could facilitate a significant contribution to the MRT in a number of ways and reflects the call for action to advance conservation, facilitate reuse, explore alternate agricultural transfers, and protect the health of water sources as delineated in the

¹ **Wicked problems** are those problems that resist definitive formulation and are difficult to solve due to incomplete, contradictory, and changing requirements; they were first defined in the seminal paper ["Dilemmas in a General Theory of Planning"](#) in 1973. A defining feature of a wicked problem is its interconnection to other problems and systems, something we are uniquely poised to address with our use of systems maps.

Colorado Water Plan and MRT's priorities. Specific examples to further illustrate applicability to the CWP include:

- the potential for new water-saving irrigation technologies (CWP Section 6.3.1; MRT Priority 1 "Find alternatives to permanent agricultural dry-up"; BIP Section 3.2)
- the exploration of alternative transfer methods combined with market-competitive approaches within agriculture (CWP Section 6.3.4; BIP Section 5.4)

The program is an illustration of critical goal and action #3 under Education, Outreach, and Intervention within the plan: "Identify five water challenges that Colorado's innovation community could help solve . . . and engage Coloradans in the challenge," (p. 10-13).

Therefore, the MRT supports the 10.10.10 grant application for \$45,000 in MRT basin funds to support the research phase of 10.10.10's Water and Climate program.

Sincerely,



Barbara J. Biggs
Metro Roundtable Chairperson

Last Update: July 31, 2018

Colorado Water Conservation Board
Water Supply Reserve Fund Grant Application

Instructions		
---------------------	--	--

All WSRF grant applications shall conform to the current [2016 WSRF Criteria and Guidelines](#).

To receive funding from the WSRF, a proposed water activity must be approved by a Roundtable(s) **AND** the Colorado Water Conservation Board (CWCB). The process for Roundtable consideration and recommendation is outlined in the 2016 WSRF Criteria and Guidelines. The CWCB meets bimonthly according to the schedule on page 2 of this application.

If you have questions, please contact the current CWCB staff Roundtable liaison:

Arkansas Ben Wade ben.wade@state.co.us 303-866-3441 x3238	Gunnison North Platte South Platte Yampa/White Craig Godbout craig.godbout@state.co.us 303-866-3441 x3210	Colorado Metro Rio Grande Southwest Megan Holcomb megan.holcomb@state.co.us 303-866-3441 x3222
---	--	---

WSRF Submittal Checklist (Required)	
--	--

X	I acknowledge this request was recommended for CWCB approval by the sponsoring roundtable.
X	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines .
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾
Application Documents	
X	Exhibit A: Statement of Work ⁽²⁾ (<i>Word – see Template</i>)
X	Exhibit B: Budget & Schedule ⁽²⁾ (<i>Excel Spreadsheet – see Template</i>)
x	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
	Map ⁽²⁾
	Photos/Drawings/Reports
X	Letters of Support
Contracting Documents ⁽³⁾	
	Detailed/Itemized Budget ⁽³⁾ (<i>Excel Spreadsheet – see Template</i>)
X	Certificate of Insurance ⁽⁴⁾ (<i>General, Auto, & Workers' Comp.</i>)
X	Certificate of Good Standing ⁽⁴⁾
X	W-9 Form ⁽⁴⁾
	Independent Contractor Form ⁽⁴⁾ (<i>If applicant is individual, not company/organization</i>)
	Electronic Funds Transfer (ETF) Form ⁽⁴⁾

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

(2) Required with application if applicable.

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

Last Update: July 31, 2018

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

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

Desired Timeline	
Desired CWCB Hearing Month:	July 2020
Desired Notice to Proceed Date:	July 9, 2020

Water Activity Summary		
Name of Applicant	10.10.10	
Name of Water Activity	Water and Climate Program	
Approving Roundtable(s)		Basin Account Request(s) ⁽¹⁾
Metro Roundtable		\$48,500
Basin Account Request Subtotal		\$48,500
Statewide Account Request ⁽¹⁾		\$--
Total WSRF Funds Requested (Basin & Statewide)		\$48,500
Total Project Costs		\$166,200

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

Last Update: July 31, 2018

Grantee and Applicant Information	
Name of Grantee(s)	10.10.10, a project of Colorado Nonprofit Development Center
Mailing Address	789 N. Sherman St. Ste 250, Denver, CO 80203
FEIN	84-1493585
Grantee's Organization Contact ⁽¹⁾	Melinda Higgs
Position/Title	President and CEO
Email	mhiggs@cndc.org
Phone	720-855-0501 ext. 224
Grant Management Contact ⁽²⁾	Carlin Gettliffe or Ginna Santy
Position/Title	COO, 10.10.10
Email	carlin@101010.net or ginna@xgenesis.io
Phone	303-847-3073
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

(1) Person with signatory authority

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

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
Our organization, 10.10.10, harnesses the power of systems thinking, research, and entrepreneurship to address the most challenging and seemingly intractable problems of our day. We leverage entrepreneurship by making it as easy as possible for proven, experienced entrepreneurs to see, understand, and become inspired by the wicked problems our world faces. And we do that through our custom programming and unique research. Over the past 5 years, our programs have addressed problem areas within the themes of water, infrastructure, health, work, and learning. We've developed research and engaged subject matter experts around 68 unique problems and served over 500 participants.

Type of Eligible Entity (check one)
<input type="checkbox"/> Public (Government): municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.

Last Update: July 31, 2018

	Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises
	Private Incorporated: mutual ditch companies, homeowners associations, corporations
	Private Individuals, Partnerships, and Sole Proprietors: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
X	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
	Study
X	Implementation

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

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Denver Metro/Colorado Statewide
Latitude	
Longitude	

Water Activity Overview
Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, area of habitat improvements. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.

Last Update: July 31, 2018

Proposed activity: Conduct research and outreach to fuel a 10.10.10 program dedicated to Water and Climate in 2021.

Activity description: Conduct original research combining systems maps, stakeholder engagement, and research briefs to enhance approaches to water challenges in Denver and the front range. Research materials will in turn be used to facilitate a 10.10.10 program devoted to Water and Climate.

Purposes relevant to Metro Roundtable: The foundation of our program is original research. We leverage research using a process that is unlike any other: we actively engage stakeholders from a variety of sectors to produce systems maps and research briefs to create nuanced and comprehensive views of an issue and accelerate collaborative learning and insight. Our program will facilitate the creation of products, services, and businesses that address challenges related to water and climate in the MRT priority areas of Conservation and Reuse, Environment and Recreation, Implementation of IP&Ps, and Education and Outreach *while simultaneously* reframing the problem through system maps and innovative research, thereby providing opportunities for public education and outreach.

The proposed activities for research and systems mapping coincide with a previously proposed and approved funding request from 10.10.10 to the CWCB. The total amount of the approved request was \$72,000.

Measurable Results

To catalog measurable results achieved with WSRF funds please provide any of the following values.

	New Storage Created (acre-feet)
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
	Existing Storage Preserved or Enhanced (acre-feet)
	Length of Stream Restored or Protected (linear feet)
	Efficiency Savings (indicate acre-feet/year OR dollars/year)
	Area of Restored or Preserved Habitat (acres)
	Length of Pipe/Canal Built or Improved
Other	<ul style="list-style-type: none"> -Engagement of stakeholders (participants) -Creation and distribution of resources (outreach metrics) -Enhanced focus on critical problems, levels of understanding, willingness to collaborate (measured by participant and stakeholder feedback)

Water Activity Justification

Provide a description of how this water activity supports the goals of [Colorado's Water Plan](#), the most recent [Statewide Water Supply Initiative](#), and the respective [Roundtable Basin Implementation Plan and Education Action Plan](#) ⁽¹⁾. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

Last Update: July 31, 2018

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2016 WSRF Criteria and Guidelines](#)).

The areas of focus for the Water and Climate program reflect the call for action to provide education and outreach, explore interconnection, and enhance public awareness.

Our project addresses the BIP calls to continue to explore methods for public outreach and education. As stated in section 4.1.3 of the BIP, "This Basin deserves and needs an intensive education, participation and outreach program designed to generate a lasting baseline of public awareness and support." In line with the BIP recommendations, our work will develop outreach tools to facilitate public awareness. The systems mapping and stakeholder engagement processes we employ will also contribute to section 3.1.15 of the BIP: a call for exploring "opportunities for further system interconnections."

This project also supports a number of the outcomes of the Statewide Water Education Plan (SWEAP), particularly those related to awareness (Outcome 1) and knowledge and skill development (Outcomes 2-4).

Last but not least, our program is an illustration of critical goal and action #3 under Education, Outreach, and Intervention within the plan: "Identify five water challenges that Colorado's innovation community could help solve . . . and engage Coloradans in the challenge," (9.6.1., p. 10-13 of the Colorado Water Plan).

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

Matching Requirements: Basin Account Requests	
Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3 rd party and shall be accompanied by a letter of commitment as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind)
X Genesis (program partner)	\$54,500 (in kind)
CWCB Water Plan Grant (previously awarded—November, 2019)	\$63,200 (cash)
Total Cash Match	\$117,700
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Last Update: July 31, 2018

Matching Requirements: Statewide Account Requests	
<p>Statewide Account grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3rd party) and shall be accompanied by a letter of commitment. Attach additional sheet if necessary.</p>	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

Related Studies
<p>Please provide a list of any related studies, including if the water activity is complimentary to or assists in the implementation of other CWCB programs.</p>
<p>The Colorado Lieutenant Governor’s Office on behalf of the Office of eHealth Innovation (“OeHI”) and Zoma Foundation contracted with 10.10.10/X Genesis LLC for a similar process to convene representatives of key stakeholder groups throughout the healthcare continuum to develop initial system and network maps of care coordination and its relationship to the complex system of health. https://costateoehi.kumu.io/colorado-care-coordination-project-overview</p> <p>We propose a similar process for the Water and Climate program. The process we propose is threefold and involves:</p> <ol style="list-style-type: none"> 1. Validator (Stakeholder) Engagement 2. Systems Mapping 3. Creation of Research Resources <p>Our process fuels the Water and Climate program by providing the foundation upon which participants and our seasoned entrepreneurs may pursue innovative approaches to the most challenging issues related to water and climate. Further, our process also helps stakeholders in the area of water and climate come together in a wholly new collaborative environment, work together</p>

Last Update: July 31, 2018

to map relationships and variables of the problem, and develop new ways of thinking to stimulate fresh approaches.

We've inspired the creation of 12 new ventures—70% of which are based here in Colorado—that have raised over \$30 MM in funding and created more than 100 jobs. Last but not least, we've accelerated learning and sparked radically new perspectives on wicked problems plaguing our society and communities. We are eager to bring the same energy and process to the MRT and the issues concerning water and climate in Denver and the state of Colorado.

Previous CWCB Grants

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order

1. Applicant name: 10.10.10, a project of the Colorado Nonprofit Development Center
2. Water activity name: "Tackling Wicked Problems in Water + Climate"
3. Approving RT: NA
4. CWCB board meeting date: November 2019
5. Contract number: N/A, contract not yet completed

Tax Payer Bill of Rights

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

N/A

Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	July 20, 2020
Water Activity Name:	Water and Climate Program
Grant Recipient:	10.10.10, a project of Colorado Nonprofit Development Center
Funding Source:	MRT
<p>Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for. (PLEASE DEFINE ALL ACRONYMS).)</p> <p>Our organization, 10.10.10, harnesses the power of systems thinking, research, and entrepreneurship to address “wicked problems”--those problems in systems theory that resist definitive formulation and are difficult to solve due to incomplete, contradictory, and changing requirements. The purpose of the current application to the MRT is for funding to support research activities and stakeholder engagement connected to our 2021 program on <i>Water and Climate</i>. The Water and Climate virtual program will transpire over four weeks and will involve participation from 15-20 entrepreneurs, a range of stakeholders within the broader Colorado water community, and 35-50 other talented professionals.</p> <p>Funds from MRT will allow us to focus on and explore the specific challenges relevant to water in the region and will be applied to our research efforts. Our research process is wholly unique and proven to facilitate innovative solutions to wicked problems. We actively engage “validators”-- individuals and stakeholders with deep subject matter expertise--from a variety of sectors to produce systems maps and research briefs that in turn create nuanced and comprehensive views of an issue and accelerate collaborative learning and insight. The three phases of our research process--stakeholder (aka, “validator”) engagement, systems mapping, and the production of research resources--will be devoted to MRT identified priority issues concerning water and climate along the front range, specifically in the areas of conservation and reuse, implementation of IP&Ps, and--via the very nature of our program and research process--education out outreach.</p>	
<p>Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS).)</p> <p>Our ultimate goal is to facilitate the creation of products, services, and businesses that address water and climate challenges <i>while simultaneously</i> reframing the problem through system maps and innovative research, thereby providing opportunities for public education and outreach. Overall, the research and stakeholder engagement process connected to our Water and Climate program will:</p> <ul style="list-style-type: none"> • facilitate a unique and collaborative learning process for stakeholders, • unite subject matter experts and highly experienced entrepreneurs to produce new ways of understanding and thinking about the complex systems of water and climate, • provide funders with the information, perspective, and partnerships to lead their fields in conversations related to water and climate, and • inspire our community to better understand and tackle wicked problems connected to climate and water. 	

Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
Task 1 - (Name) Validator Engagement
Description of Task:
<ul style="list-style-type: none"> Who is involved: 10.10.10 research team, funding partners (including Metro Roundtable [MRT]), and a range of other stakeholders (who we call validators) from government, the nonprofit sector, and private industry Purpose: Cultivate a multi-faceted source of expertise to inform a robust understanding of wicked problems (WP) related to water and climate Timeframe: 6-8 weeks <i>Value for MRT: Builds a joint understanding of the WP, why it persists, and the roles each stakeholder plays, in turn producing a shared level of accountability and heightened collaboration</i> <p>Validator Engagement is a key component of our research process. It's our way of developing a source of expertise to help inform our exploration of wicked problems and is a precursor to systems mapping. It's also so much more than that. Validator engagement is a 6-8 week process wherein we work with our funders to identify and engage a range of stakeholders in the area of water and climate. The convening of these stakeholders--who we call validators--helps flesh out a bigger picture of the wicked problem and helps those involved "appreciate how they not only support but also often unwittingly undermine system performance, thereby empowering them to think and act more effectively" (David Stroh, <i>Systems Thinking for Social Change</i>). We'd work closely with MRT, as a funder, to engage in the steps related to validator engagement as outlined below.</p>
Method/Procedure:
<ol style="list-style-type: none"> Identify the key individuals and organizations that affect and are affected by the issue. These may be thought leaders, government or community representatives, for-profit and nonprofit organizations, researchers, community members, and anyone with a vested interest in solving the problem or preventing it from being solved. Convene validators and facilitate the creation of a focusing question. After we've reached out to validators and cultivated buy-in, we convene validators in small groups and begin the work of understanding the wicked problem. Conduct systems interviews. With the focusing question in mind, we next conduct systems interviews with all validators. These interviews serve as the groundwork for our systems mapping process and provide an opportunity to explore the problem in more depth.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

<ul style="list-style-type: none"> • Validator (ka, stakeholder) list • Raw data from group meetings and interviews • Narrowed list of wicked problems for additional exploration
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
<ul style="list-style-type: none"> • Validator (stakeholder list) with names, roles, and contact information • Narrowed list of wicked problems (in line with MRT priorities) for further exploration • A presentation to brief MRT on the findings from the raw data

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
Task 2 - (Name) Systems Mapping
Description of Task:
<p>Based on the first-hand experience and boots-on-the-ground feedback from our validators, and in combination with extended secondary research, our team's next task is to map the challenges, constraints, causal relationships, and feedback loops of the most pressing problems related to water and climate. We use systems maps to reveal how a wicked problem is grounded in two things: interconnectedness and dynamism. Systems maps allow us to see how various components of a problem are tied to one another, to observe the often rapid change of a system, and to note the full patterns contributing to a wicked problem.</p> <ul style="list-style-type: none"> • Who is involved: 10.10.10 research team, in conjunction with MRT and validators • Purpose: Move from a focus on components of a problem to a full view of the issue, thereby revealing knowledge gaps, intervention points, and insights that would otherwise go undetected • Timeframe: 4 weeks • <i>Value for MRT: New ways of seeing, creation or enhancement of a learning culture, comprehensive view of the systems connected to water and climate along the front range, identification of intervention points and other insights</i>
Method/Procedure:
<ol style="list-style-type: none"> 1. Preliminary systems analysis. The 10.10.10 first creates a preliminary systems analysis. 2. Presentation of all systems maps to MRT and validators for further discussion and refinement. This stage is an opportunity to gain any additional feedback and allows validators to respond to the tools we have created thus far. It is also the stage at which we see validators energized to continue working together and explore interventions.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

<ul style="list-style-type: none"> Initial and final systems maps Feedback collected from validators
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
<ul style="list-style-type: none"> Presentation of systems maps and how to use them to inspire innovation and identify opportunities for intervention and collaboration All systems maps and accompanying resources cobranded with MRT/CWCB

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
Task 3 - (Name) Create Research Resources
Description of Task:
<p>After the in-depth dive required for systems mapping, it can be difficult to swim to the surface again and think about wicked problems in ways accessible and approachable to the broader community. That's why we engage in this third and final stage in our research process.</p> <p>We create research briefs outlining wicked problems in detail, yet with an engaging narrative style to ensure our resources are accessible to a range of users. These resources are valuable supplements to existing research and help identify points of leverage for future projects and plans. Past participants of our program have referred to our research as <i>invaluable</i> in charting the nuances of an issue and opportunities for intervention. Like the systems maps, research briefs are co-branded with 10.10.10/X Genesis and our funders, and we encourage our funders to distribute and utilize these resources to enhance their leadership positions in their fields as well as increase understanding of an issue. These resources would be the product of funding from MRT and made available to MRT for future use.</p> <ul style="list-style-type: none"> Who is involved: 10.10.10 research team Purpose: Ensure all research efforts and resulting resources are accessible to a range of users Timeframe: 4-6 weeks <i>Value for MRT: Engaging and accessible series of resources for MRT distribution to increase education around issues related to water and climate, and to serve the MRT priority area of education and outreach</i>
Method/Procedure:
<ol style="list-style-type: none"> Write research briefs. All research briefs include the following components: <ul style="list-style-type: none"> Discussion of the factors contributing to the wicked problem Overview of the history and trends of the wicked problem Identification of the populations and agents relevant to the wicked problem Exploration of existing approaches and workarounds to the wicked problem Digital design of research briefs. We are committed to making our research resources as engaging as possible. In service to this goal, we work with a graphics designer to enhance the overall look and navigability of our resources.



Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

[Sample past research briefs are available here.](#)

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

- Series of engaging research briefs, in electronic, interactive form, designed to fully explore the wicked problems associated with water and climate.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

- Series of engaging research briefs, in electronic, interactive form, designed to fully explore the wicked problems associated with water and climate as identified by validators
- All resources cobranded with MRT/CWCB
- Presentation to MRT offering an overview of all research briefs

Budget and Schedule

Exhibit B - 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](#). A separate [excel formatted](#) Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements

Progress Reports: The grantee 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. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee'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.

Payments



Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. 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.

The CWCB will pay the last 10% of the entire water activity 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 water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Grant Guidelines, the CWCB will pay out the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) Accountability: Per the 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 the 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 Supply Reserve Fund

EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs

Date: July 4, 2020

Water Activity Name: Water and Climate Program

Grantee Name: 10.10.10, a project of Colorado Nonprofit Development Center

Task No. ⁽¹⁾	Description	Start Date ⁽²⁾	End Date	Matching Funds (cash & in-kind) ⁽³⁾	WSRF Funds (Basin & Statewide combined) ⁽³⁾	Total
1	Validator Engagement	12/15	12/15	\$38,000	\$16,000	\$54,000
2	Systems Mapping	12/15/2020	12/15/2023	\$16,000	\$9,000	\$25,000
3	Creation of Research Resources	12/15/2020	12/15/2023	\$21,000	\$11,000	\$32,000
4	Grant Administration	12/15/2020	12/15/2023	\$3,500	\$12,500	\$16,000
	Tasks Outside of Current Proposal and Funded by Previously Awarded CWCB Funds					
	Validator recruitment and management			\$10,000		\$10,000
	Prospective CEO recruiting and management			\$14,200		\$14,200
	Ninja (temporary startup team) recruiting and management			\$15,000		\$15,000
Subtotal				\$117,700	\$48,500	\$166,200
Total						\$166,200

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

(2) Round values up to the nearest hundred dollars.

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

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.

• Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution



July 6, 2020

Ms. Emily Hunt
Metro Roundtable
Colorado Water Conservation Board
1313 Sherman St., Suite 718
Denver, CO 80203

Dear Ms. Hunt,

As you know, X Genesis is a for-profit organization that operates in tandem with 10.10.10 – a project of the Colorado Nonprofit Development Center, a 501(c)3 organization. Please accept this letter as confirmation of our support for the proposed Water and Climate program research process. The Water and Climate program will not only bring together a community of creative, innovative, and forward-thinking individuals from a number of sectors, it will serve to enhance the public's education when it comes to the issue of water in the state of Colorado. We are pleased the Metro Roundtable is considering 10.10.10's proposal to support the unique research efforts integral to this program.

X Genesis will provide a match of up to \$54,500 in in-kind services to support 10.10.10 's Water and Climate program. The in-kind service will be granted in the areas of staff time and technological tools and support as follows:

Stakeholder recruiting and management (1 team member)	\$10,000
Session planning and facilitation services (1 team member)	\$19,000
Systems analysis, mapping, and presentation development (1 team member)	\$11,000
Research brief development, design, and delivery	\$11,000
Administrative costs (legal, accounting, software subscriptions)	\$3,500
	\$54,500

Sincerely,

A handwritten signature in black ink, appearing to read 'Thomas K. Higley', with a stylized flourish at the end.

Thomas K. Higley
Founder & CEO
X Genesis Holdings LLC