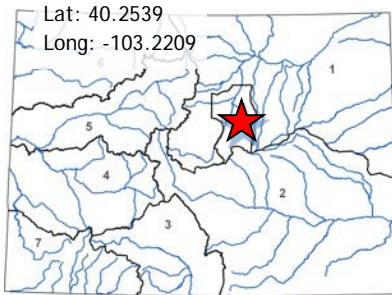




Water Plan Grant Application



L O C A T I O N	
County/Countries:	Denver, Adams, Arapahoe, Jefferson
Drainage Basin:	Metro

D E T A I L S	
Total Project Cost:	\$482,570.27
Water Plan Grant Request:	\$203,548.77
Recommended Amount:	\$203,548.77
Other CWCB Funding:	\$0
Other Funding Amount:	\$250,550
Applicant Match:	\$28,471.50
Project Type(s):	Other
Project Category(Categories):	Conservation and Land Use
Measurable Result:	\$413/residence/yr; Annual savings/HH- 24,545 g/yr/UHET; 13,350 g/yr/low flow fixtures; lifecycle savings/HH- 245,455 g/UHET; 133,489 g/low flow fixtures

Since 2008, Mile High Youth Corps' Energy & Water Conservation program has have retrofit over 40,000 low-income homes and non-profit facilities, installing over 19,000 UHETs/HETs, saving over 423 million gallons of water annually and generating over 34,000,000 of lifetime kWh savings.

A critical component of MHYC's Energy & Water Conservation program focuses on educating clients and the community on conservation and energy savings efforts. Corpsmembers work with clients one on one to engage in conversation about behavioral changes and ways to be environmental stewards in the home (i.e. lower the water heater temperature, turn off the water while brushing teeth, washing clothes in cold water, etc.). Increasingly, clients are interested in reducing their environmental impact, but don't have the resources and/or awareness of energy and water savings techniques to do so.

Corpsmembers are full-time AmeriCorps members and most serve a full year of service. Each year, 20-25 new young adults engage in this service experience and learn about energy and water conservation. As they complete their terms and move on, often to careers in conservation, the lessons learned remain with them. Their futures are stamped with greater knowledge and understanding of environmental concerns, energy saving tips and experience conversing with diverse groups of people about energy and water consumption. These experiences continue to be passed on to friends and family and help to create life-long environmental stewards for generations.

A grant from the Colorado Water Conservation Board will support Mile High Youth Corps' Energy & Water Conservation program. Funding from CWCB will specifically cover costs related to household water audits and retrofits but CWCB funding also provides MHYC with access to a broader community base. Households receiving CWCB-funded water audits and upgrades will also receive energy retrofits with funds allocated from other program partners.



Overall, MHYC's Energy & Water Conservation program will:

- Provide water audits and upgrades to 500 low-income homes, including behavioral education on household environmental stewardship.
- Install 450 ultra-high-efficiency toilets
- Track energy efficiency measures, including, client energy savings (kWh), household financial savings (\$), water conserved (gallons), UHETs recycled, etc.
- Reduce household water use which drives significant energy savings. Energy conservation result from reduced water consumption in a household:
 - Annual Savings from LFF- 5,764 Therms; Life Cycle Savings from LFF- 57,640 Therms



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Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as “project”) funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

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

Anna.Mauss@state.co.us
Kevin.Reidy@state.co.us
Ben.Wade@state.co.us
Alexander.Funk@state.co.us
Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to waterplan.grants@state.co.us

in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	Year One Inc., dba Mile High Youth Corps	
Name of Water Project	MHYC's Single Family Energy & Water Audits and Installs	
CWP Grant Request Amount	\$203,548.77	
Other Funding Sources <u>Denver Office of Strategic Partnerships</u>	\$130,000 – committed	
Other Funding Sources <u>Energy Outreach Colorado</u>	\$95,000 – committed	
Other Funding Sources <u>Aurora Water</u>	\$25,550 – committed	
Applicant Funding Contribution <u>Mile High Youth Corps</u>	\$28,471.50 – committed, in-kind	
Total Project Cost	\$482,570.27	



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Applicant & Grantee Information
Name of Grantee: Year One Inc., dba Mile High Youth Corps
Mailing Address: 1801 Federal Blvd., Denver, CO 80204
FEIN: 84-1182631
Organization Contact: Nate Edge
Position/Title: Project Manager: Energy & Water Conservation
Email: natee@mhyc.net
Phone: 720-974-0500 x523
Grant Management Contact: Michele Kilen
Position/Title: Manager: Foundation & Government Giving
Email: michelek@mhyc.net
Phone: 720-974-0500 x544
Name of Applicant (if different than grantee)
Mailing Address
Position/Title
Email
Phone
Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
<p>Mile High Youth Corps prioritizes youth education and community betterment, and gives youth ages 17-24, a chance to earn an income and learn hands-on job skills while serving in their communities. Youth, called Corpsmembers, receive on-the-job training and career readiness training leading to the obtainment of industry-recognized certifications, an AmeriCorps education award and leadership opportunities to help them achieve their educational and employment goals. Corpsmembers are employed and trained to serve on community-based projects related to land conservation, energy and water conservation, healthcare or construction.</p>



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Type of Eligible Entity (check one)	
<input type="checkbox"/>	Public (Government): Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
<input type="checkbox"/>	Public (Districts): Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
<input type="checkbox"/>	Private Incorporated: Mutual ditch companies, homeowners associations, corporations.
<input type="checkbox"/>	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
<input checked="" type="checkbox"/>	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
<input type="checkbox"/>	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes .

Type of Water Project (check all that apply)	
<input type="checkbox"/>	Study
<input type="checkbox"/>	Construction
<input type="checkbox"/>	Identified Projects and Processes (IPP)
<input checked="" type="checkbox"/>	Other

Category of Water Project (check the primary category that applies and include relevant tasks)	
<input type="checkbox"/>	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. <i>Applicable Exhibit A Task(s):</i>
<input checked="" type="checkbox"/>	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s):</i>
<input type="checkbox"/>	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. <i>Applicable Exhibit A Task(s):</i>
<input type="checkbox"/>	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>
<input type="checkbox"/>	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>
<input type="checkbox"/>	Other
	Explain:



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Location of Water Project

Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.

County/Countries	Arapahoe, Adams, Denver, and Jefferson Counties
Latitude	
Longitude	

Water Project Overview

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

Mile High Youth Corps' Energy & Water Conservation Program will employ young adults, ages 17-24, to provide water and energy efficiency measures to 500 low-income households over an 18-month period, throughout the Metro Denver area. Services include home energy audits, energy efficiency education and coaching, installation of energy efficiency measures including LED light bulbs, ultra, high-efficiency toilets, faucet aerators, water heater installation, high efficiency showerheads, and programmable thermostats. The young adults, called Corpsmembers, work on small crews while gaining the customer service skills and technical training necessary for careers in the "green" industry. Corpsmembers leave MHYC with hands-on experience and greater knowledge and understanding of the environmental issues facing their community and our planet – creating life-long environmental stewards for generations. Communities and the environment benefit from Corpsmembers' work, through improved quality of life, better education on everyday conservation, and cost-savings on energy and water utilities. In addition to installations, Corpsmembers engage residents about behavioral changes and home-based environmental stewardship (i.e. lower the water heater temperature; turn off the water while brushing teeth, etc.). Increasingly, clients are interested in reducing their environmental impact, but do not have the resources and/or awareness of energy and water savings techniques.

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Measurable Results		
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:		
	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
\$413/year/resident	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Quantity of Water Shared through Alternative Transfer Mechanisms	
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
	Number of Coloradans Impacted by Engagement Activity	
	Other	<ul style="list-style-type: none"> Estimated annual conservation totals per household: <ul style="list-style-type: none"> 0.8gpf UHET- 24,545 gallons Low-flow fixtures (1.5 gpm SH, 1.5 gpm KA, 1.0gpm BA)- 13,350 gallons Lifecycle Conservation Estimates per household: <ul style="list-style-type: none"> 0.8 gpf UHET- 245,445 gallons LFF- 133,489 gallons

Water Project Justification
<p>Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).</p> <p>The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)</p>

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Colorado's current population of over 5 million is projected to double by 2050. One of the overall themes highlighted in the above documents is the importance of conserving the state's natural resources through action, including increasing public awareness and engagement. A stated vision goal in the executive summary of the Statewide Water Supply Initiative, pg. ES-28, is to *"Educate all Coloradans on the importance and scarcity of water, and the need to conserve, manage, and plan for needs of this and future generations."* Colorado's Water Plan sets a measurable objective to *"significantly improve the level of public awareness and engagement regarding water issues statewide by 2020..."*

As noted on the Water Information Program (WIP) website, energy production requires an abundant, predictable, and reliable source of water, and that the electric industry is second only to agriculture as the largest user of water in the United States. According to WIP, it is estimated that water use can be reduced by more than 40% over business as usual by simply incorporating more conservation, efficiency, and renewable energy alternatives. That equates to 82 billion gallons of saved water or 252,000 acre-feet per year.

Since 2008, Mile High Youth Corps' Energy & Water Conservation program has have retrofit over 40,000 low-income homes and non-profit facilities, installing over 19,000 UHETs/HETs, saving over 423 million gallons of water annually and generating over 34,000,000 of lifetime kWh savings.

A critical component of MHYC's Energy & Water Conservation program focuses on educating clients and the community on conservation and energy savings efforts. Corpsmembers work with clients one on one to engage in conversation about behavioral changes and ways to be environmental stewards in the home (i.e. lower the water heater temperature, turn off the water while brushing teeth, washing clothes in cold water, etc.). Increasingly, clients are interested in reducing their environmental impact, but don't have the resources and/or awareness of energy and water savings techniques to do so.

Corpsmembers are full-time AmeriCorps members and most serve a full year of service. Each year, 20-25 new young adults engage in this service experience and learn about energy and water conservation. As they complete their terms and move on, often to careers in conservation, the lessons learned remain with them. Their futures are stamped with greater knowledge and understanding of environmental concerns, energy saving tips and experience conversing with diverse groups of people about energy and water consumption. These experiences continue to be passed on to friends and family and help to create life-long environmental stewards for generations.

Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.



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- Based on the 2017-18 Annual Report of the state energy office, the residential sector represents approximately 23% of the state's total energy consumption. When low-income individuals draw more energy than they need because of inefficient homes, tax payers ultimately pay these unnecessary energy bills. Energy Outreach Colorado (EOC) is the leading provider of assistance to Colorado low-income residents. According to EOC's 2018 annual report, over \$7 million was spent on utility assistance for low-income residents. According to the Department of Energy, after home improvements based on an audit are put in place, a family can save up to 30 percent on energy bills.
- In 2015, Drs. Ken Seeley, Antonio Olmos, Krystina Finlay, in addition to University of Denver doctoral student, Ksenia Polson, began new evaluation efforts for Denver's Energy Efficiency Program (EEP). The evaluation team conducted a three-month search to determine the historical effectiveness of the EEP for single and multi-family housing as well as structures for nonprofit organizations. The results showed Mile High Youth Corps "produces significantly higher electricity savings compared to each of the other contractors individually, for a fraction of the cost."

Previous CWCB Grants, Loans or Other Funding

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.

Year One Inc., Water efficiency to low income, May 2018 Board Mtg.,
POGG1,PDAA,201900002032

Year One Inc., John Griffith Tamarisk, Nov. 2018 Board Mtg., POGG1,PDAA,201900002888

Taxpayer Bill of Rights

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

N/A



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Submittal Checklist	
✓	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract .
Exhibit A	
✓	Statement of Work ⁽¹⁾
✓	Budget & Schedule ⁽¹⁾
	Engineer's statement of probable cost (projects over \$100,000)
✓	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
✓	Map (if applicable) ⁽¹⁾
	Photos/Drawings/Reports
✓	Letters of Support (Optional)
	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
	W-9 ⁽²⁾
	Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application ⁽¹⁾

(1) Required with application.

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



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Colorado Water Conservation Board

Water Plan Grant - Exhibit A

Statement Of Work

Date:	January 31, 2020
Name of Grantee:	Year One Inc., dba Mile High Youth Corps
Name of Water Project:	MHYC's Single Family Energy & Water Audits and Installs
Funding Source:	Mile High Youth Corps – in-kind, Energy Outreach Colorado – committed, Denver Office of Strategic Partnerships – committed, Aurora Water, committed

Water Project Overview:

Mile High Youth Corps' Energy & Water Conservation Program will employ young adults, ages 17-24, to provide water and energy efficiency measures to 500 low-income household over an 18-month period, throughout the Metro Denver area. Services include home energy audits, energy efficiency education and coaching, installation of energy efficiency measures including LED light bulbs, ultra, high-efficiency toilets, faucet aerators, water heater installation, high efficiency showerheads, and programmable thermostats. The young adults, called Corpsmembers, work on small crews while gaining the customer service skills and technical training necessary for careers in the "green" industry. Corpsmembers leave MHYC with hands-on experience and greater knowledge and understanding of the environmental issues facing their community and our planet – creating life-long environmental stewards for generations. Communities and the environment benefit from Corpsmembers' work, through improved quality of life, better education on everyday conservation, and cost-savings on energy and water utilities. In addition to installations, Corpsmembers engage residents about behavioral changes and home-based environmental stewardship (i.e. lower the water heater temperature; turn off the water while brushing teeth, etc.). Increasingly, clients are interested in reducing their environmental impact, but do not have the resources and/or awareness of energy and water savings techniques.

Project Objectives:

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A grant from the Colorado Water Conservation Board will support Mile High Youth Corps' Energy & Water Conservation program. Funding from CWCB will specifically cover costs related to household water audits and retrofits but CWCB funding also provides MHYC with access to a broader community base. Households receiving CWCB-funded water audits and upgrades will also receive energy retrofits with funds allocated from other program partners. Overall, MHYC's Energy & Water Conservation program will:

- Provide water audits and upgrades to 500 low-income homes, including behavioral education on household environmental stewardship.
- Install 450 ultra-high-efficiency toilets
- Track energy efficiency measures, including, client energy savings (kWh), household financial savings (\$), water conserved (gallons), UHETs recycled, etc.
- Reduce household water use which drives significant energy savings. Energy conservation result from reduced water consumption in a household:
 - Annual Savings from LFF- 5,764 Therms; Life Cycle Savings from LFF- 57,640 Therms

Tasks
Task 1 – Energy and Water Audits and Upgrades
Description of Task:
<p>Energy & Water Audits</p> <ul style="list-style-type: none"> • Upon arrival, residents will sign an Income Disclosure form to ensure qualification for program. During the visit, Corpsmembers will inspect and document insulation levels, water heater temperature, furnace efficiency, refrigerator efficiency and water and toilet efficiency. Assessments are anticipated to take approximately 90-120 minutes each. • Based on the needs of the client, Corpsmembers will install 20 LED bulbs per home, 1.5 GPM showerheads (no limit per dwelling), 1.5 GPM sink aerators (no limit), and 1.0 GPM bathroom aerator (no limit). In addition, MHYC crews check for a working smoke and carbon monoxide (CO) alarms and programmable thermostats in the home. Homes that do not have functioning CO/smoke detectors or programmable thermostats will have one installed by MHYC. Corpsmembers also conduct a water efficiency assessment to determine if the client qualifies for a free ultra, high-efficiency toilet. Residents with leaking toilets, toilets manufactured before 1992, or units that use 1.6 GPF and above qualify to have their toilet replaced with an ultra, high-efficiency toilet (UHET). Installations of UHETs are completed in a separate follow-up visit to maximize the efficiency of service scheduling and overall service workflow. • An important component of the audit focuses on educating the residents on additional opportunities to conserve and save energy. Increasingly, residents are interested in reducing their environmental impact, but do not have the resources and/or awareness



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Tasks

of energy and water savings techniques to do so. During each visit, Corpsmembers deliver client education in the form of written materials and client engagement, verbal instructions on the use of the measures (e.g., thermostat), and behavior change strategies that will increase efficiencies (e.g., lower the water heater temperature, turn off the water while brushing teeth, washing clothes in cold water, etc.). A recent study showed clients who receive behavioral coaching along with their upgrades realized 23% greater energy savings than those who did not. Information pieces highlighting energy and water saving tips serve as “leave behind” materials for clients. This, along with direct 1:1 contact with clients, can be the most effective in sustaining behavioral changes.

- Additionally, to ensure responsible and efficient use of resources, MHYC has developed a comprehensive needs assessment questionnaire designed to connect clients to other available services in their area. Horizontal integration has allowed MHYC to refer “audit ready” clients to the Energy Resource Center for weatherization services; Energy Outreach Colorado to help low-income families and seniors keep up with their heating bills; and other partners and service providers. Furthermore, all Corpsmembers have a resource sheet to bring with them out on appointments that directs clients to other nonprofits or organizations that provide free or low cost home repairs, weatherization, or conservation work that MHYC does not have the means to perform.
- Audits are entered into an online database at the end of each work day, and each audit is added into a running contract totals database. Once a month, reports are generated that detail the total number of clients served, upgrades completed (i.e. the number of aerators, showerheads, and LEDs installed), educational surveys completed, and the conservation totals for the month. This report details both the annual and lifetime number of kilowatt-hours and dollars saved per client and in total.

Method/Procedure:

- MHYC currently relies on access to the Low-Income Energy Assistance Program (LEAP) enrollment lists for a majority of its clients. MHYC’s Energy & Water Conservation team will call to verify income and set an appointment for an energy and water audit, conservation education and efficiency upgrades.
- MHYC’s clients fall under one of two zones – depending on the resident’s address. Zone 1 encompasses an area up to 5 miles of MHYC’s Energy & Water Conservation office (located at 953 Decatur, Denver, 80204). Zone 2 includes all other clients who reside over 5 miles from the office.
- MHYC plans to provide services to each area outlined in the attached map barring funding restrictions for specific municipalities. MHYC E&W is looking for ways to expand its service footprint to increase organizational impact and compensate for diminishing demand in Lakewood/Denver.
- Assessment and installation of low-flow fixtures:
 - Showerheads - Check flowrate using available markings or measure volume over



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Tasks	
	<p>15 seconds, replace if greater than 2.2 GPM, corroded, or poorly functioning</p> <ul style="list-style-type: none">○ Bathroom aerators - Check flowrate using available markings or measure volume over 15 seconds, replace if greater than 2.0 GPM, corroded, or poorly functioning○ Kitchen Aerator - Check flowrate using available markings or measure volume over 15 seconds, replace if greater than 2.2 GPM, corroded, or poorly functioning○ Toilet - Check flush volume using available markings or measure approximate volume using the following formula: $V = WT_{\text{Tank}} \times LT_{\text{Tank}} \times \Delta H_{\text{Flush}}$, recommend replacement if greater than 1.6 GPF, or older than 1992, does not meet accessibility needs of client (i.e. install an ADA toilet to replace a shorter or smaller unit for mobility-challenged clients), or poorly functioning <ul style="list-style-type: none">● Assessment and upgrade of energy using fixtures<ul style="list-style-type: none">○ LEDs - Replace all incandescent and CFL bulbs greater than 20W, burnt out or missing○ Thermostat - Replace any non-programmable thermostat. If programmable thermostat already present, check programmed settings for set points and times● Assessment of appliances<ul style="list-style-type: none">○ Domestic Hot Water Heater - Check if Energy Star rated and determine manufacture year, fuel type and consumption from available markings/labels. If not marked, estimate Energy Factor using US Dept of Energy Conservation Standards, Check current temperature set point and capacity, check for other variables such as visible corrosion, presence of tank and pipe insulation, etc.○ Furnace - Check if Energy Star rated and determine manufacture year, fuel type and rated efficiency from available markings/labels. If no rating found, estimate efficiency from manufacture year and fuel type, Check for leaks (visual inspection) from exhaust, if present○ Dishwasher (if present) - Check if Energy Star rated and determine manufacture year and rated efficiency/consumption from available markings/labels○ Refrigerator - Check if Energy Star rated and determine manufacture year and rated efficiency/consumption from available markings/labels● Assessment of other home energy usage factors<ul style="list-style-type: none">○ Windows - Visual check for presence of single-paned glass windows○ Plug-in electronics - Check for sources of phantom loads○ Attic insulation - If access to attic is available, measure depth of present insulation using a fiberglass probe. Attempt up to four measurements if possible.
Deliverable:	



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Tasks
<ul style="list-style-type: none">• Over an 18-month period, MHYC will conduct energy and water audits at a minimum of 500 low-income residences. As a result of these assessments, MHYC Corpsmembers will install LED bulbs, showerheads, and aerators as needed. Over the same time period, we anticipate the installation of 450 UHETs.• Mile High Youth Corps will submit both a progress report – describing status of tasks identified, major challenges/issues and corrective actions taken – as well as a final report summarizing the project and the project’s impact on Corpsmembers, the community and the environment.

Tasks
Task 2 – Toilet Install
Description of Task:
<ul style="list-style-type: none">• MHYC will complete 450 toilet installations in the service areas highlighted in the attached map. MHYC uses Niagara Stealth 0.8gpf UHETs for replacement; typical installations use either an ADA-rated elongated or basic round-seated toilet. 10” rounds are also available.• Installation of toilets will be limited to (2) UHETs per household.• CMs will enter a previously qualified home and verify toilets for replacement. The homeowner will be provided, and sign, a customer agreement and waiver. CMs will remove each old, inefficient toilet and replace these units with 0.8gpf UHETs. Toilets are replaced according to International Building Code best practices, sealed and tested with the homeowner present. CMs provide the homeowner with information on their new toilet-how to proper operate, troubleshoot and request warranty service. Manufacturers’ warranty materials are left with the homeowner, as is contact information for MHYC customer service.• The old, inefficient toilets are collected from each home and transported back to the Energy & Water Conservation facility. The toilets are broken down and prepped for recycling. Beginning in 2018, thanks in part to a grant from Colorado Department of Public Health and Environment, replaced toilets are now recycled and converted into road base material through a partnership with Colorado Springs Utilities and Sand Creek Recycling Center. Prior to this, replaced toilets were taken from clients’ homes, smashed into smaller pieces and dumped into landfills.
Method/Procedure:



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Tasks

- MHYC's Energy & Water Conservation team calls clients to schedule a return visit for a toilet replacement. This is based on the results of the initial energy & water audit, in which the client's toilet was greater than 1.6 GPF, or older than 1992, did not meet accessibility needs of client (i.e. install an ADA toilet to replace a shorter or smaller unit for mobility-challenged clients), or poorly functioning.
- Corpsmembers receive a daily schedule of toilet installations and each team of two Corpsmembers travels to their assigned service sites. Corpsmembers confirm that toilets within a home qualify for replacement then begin replacement of inefficient toilets.
- Each Corpsmember in the Energy & Water Conservation Program has been trained on industry standards for proper removal of old toilets and the prep and installation of UHETs. New installations are tested for quality assurance and Corpsmembers provide UHET information to residents.

Deliverable:

- Over an 18-month period, MHYC will conduct energy and water audits at a minimum of 500 low-income residences. As a result of these assessments, MHYC Corpsmembers will install LED bulbs, showerheads, and aerators as needed. Over the same time period, we anticipate the installation of 450 UHETs.
- Mile High Youth Corps will submit both a progress report – describing status of tasks identified, major challenges/issues and corrective actions taken – as well as a final report summarizing the project and the project's impact on Corpsmembers, the community and the environment.

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.

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Reporting Requirements

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to CWCB in hard copy and electronic format as part of the project documentation.

Performance Measures

Performance measures for this contract shall include the following:

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

(b) Accountability: Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.



Water Plan Grant - Exhibit B

Budget and Schedule

Project End Date: December 31, 2021

Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total
1	Energy & Water Audits and Installs	7/1/2020	12/31/2021	\$114,492	\$247,642	\$362,134
2	Toilet Installs	7/1/2020	12/31/2021	\$83,718	\$25,550	\$109,268
	4% Indirect Fee			\$5,339	\$5,830	\$11,169
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
Total				\$203,549	\$279,022	\$482,571



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Detailed Budget Estimate

Fair and Reasonable Estimate

Prepared Date:

30-Jan-20

Name of Applicant:

Year One Inc., dba Mile High Youth Corps

Name of Water Project:

MHYC's Single Family Energy & Water Audits and Installs

EXAMPLE C: Construction

Task 1 - Energy & Water Audits and Installs

<i>Sub-task</i>	Quantity	Unit Cost	CWCB Funds	Matching Funds	Total Cost
Zone 1: Audits and Install	185	\$211.00	\$39,035.00	\$35,150.00	\$74,185.00
Zone 2: Audits and Install	315	\$234.00	\$73,710.00	\$59,850.00	\$133,560.00
Other Energy Assessments	400	\$325.00		\$130,000.00	\$130,000.00
Materials:					
Fixed Showerheads	216	\$5.00	\$1,080.00		\$1,080.00
Bathroom Aerators	314	\$1.00	\$314.00		\$314.00
Kitchen Aerators	157	\$2.25	\$353.25		\$353.25
Other Materials				\$22,641.50	\$22,641.50

Task 2 - Toilet Installs

Zone 1: Toilet Install (# of Trips)	117	\$62.00	\$7,254.00		\$7,254.00
Zone 2: Toilet Install (# of Trips)	198	\$68.00	\$13,464.00		\$13,464.00
Other Toilet Installs	70	\$225.00		\$15,750.00	\$15,750.00
Materials:					
UHET Toilet	450	\$140.00	\$63,000.00		\$63,000.00
UHET Toilets (Other)	70	\$140.00		\$9,800.00	\$9,800.00

4% indirect fee			\$5,338.52	\$5,830.00	\$11,168.52
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TOTAL			\$203,548.77	\$279,021.50	\$482,570.27
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Zone 1: Client visits within a 5 mile radius

Zone 2: Client visits outside of Zone 1 (5+ miles)

Other Energy Assessments = Single Family Audits and Installs Under Contract with Denver Office of Strategic Partnerships

Other Materials = LEDs, Smoke Detectors and Programmable Thermostats

Other Toilets Installs and UHET Toilets (Other) = Toilet Installations and Materials Under Contract with Aurora Water

Indirect Fee = Mile High Youth Corps' Indirect Fee includes but is not limited to management, human resources, finance, accounting and payroll, marketing and outreach, and building and facility costs used for the general oversight and administration of the organization.



January 30, 2020

Attn: Members of the Evaluation Team
Colorado Department of Natural Resources
Colorado Water Conservation Board
1313 Sherman St.
Denver, CO 80203

Dear Members of the Evaluation Team:

On behalf of the Denver Office of Strategic Partnerships I am writing to offer my strong support of Mile High Youth Corps' application for funding through the Colorado Water Conservation Board (CWCB). Mile High Youth Corps (MHYC) has an extensive history of providing employment, education and career readiness training programs for thousands of young adults in Colorado.

Through our long-time partnership with MHYC, we have witnessed the organization's ability to grow and improve to meet the needs of young adults. Young people enrolled in the program earn a paid stipend and an AmeriCorps education award, all while developing valuable skills that prepare them for the workforce and post-secondary education. The ability to receive both at the same time is a significant opportunity.

I highly recommend Mile High Youth Corps for funding. If you need additional information about my support of Mile High Youth Corps, then please feel free to contact me at Ken.seeley@denvergov.org.

Sincerely,

A handwritten signature in blue ink that reads "Ken Seeley". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Ken Seeley
Collaboration Specialist
Denver Office of Strategic Partnerships



Water Conservation
15151 E. Alameda Parkway, Ste. 3228
Aurora, Colorado 80012
303.739.7195

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January 30, 2020

Colorado Department of Natural Resources
Attn: Members of the Evaluation Team
Colorado Water Conservation Board
1313 Sherman St.
Denver CO 80203

Dear Members of the Evaluation Team

Aurora Water is supportive of Mile High Youth Corps' application for funding through the Colorado Water Conservation Board (CWCB). Mile High Youth Corps (MHYC) has an extensive history of providing employment, education and career readiness training programs for thousands of low-income, at-risk young adults in Colorado. As a local partner working with MHYC, I can attest to their proven ability in training, employing, and placing these young people.

Aurora Water partners with MHYC to deliver our Low-Income Water Efficiency Program (LIWEP), which assists Aurora's low-income households to lower their water bill costs while simultaneously conserving water in their household. The professionalism and customer service that MHYC corps members demonstrate on a regular basis is impressive. The positive impact that MHYC delivers to our community is clear.

In addition to their proven work ethic and community impact, we have also been impressed by MHYC's ability to engage youth from diverse backgrounds, helping young people improve their economic mobility through crucial education and employment skills. Colorado's youth needs opportunities like those offered at Mile High Youth Corps. Young people enrolled in the program can earn a paid stipend, their high school diploma, and an AmeriCorps education award through MHYC, all while developing valuable skills that prepare them for the workforce and post-secondary education. The ability to receive both at the same time is a rare and significant opportunity.

The funding provided by this grant would not only allow MHYC to cover their current operating costs and continue offering their services but would also allow for a network expansion to connect with more of Colorado's youth, increase their service area, and amplify their impacts to the region. Aurora Water highly recommends Mile High Youth Corps for this funding opportunity. If you need additional information about our support of Mile High Youth Corps, then please feel free to contact me at gbaker@auroragov.org or 303.739.7081.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg Baker", with a long horizontal line extending to the right.

Greg Baker
Manager of Public Relations
Aurora Water



**ENERGY
OUTREACH
COLORADO**
Together We Power Stability

January 29, 2020

Attn: Members of the Evaluation Team
Colorado Department of Natural Resources
Colorado Water Conservation Board
1313 Sherman St.
Denver, CO 80203

Dear Members of the Evaluation Team:

On behalf of Energy Outreach Colorado, I am writing to offer my strong support of Mile High Youth Corps' application for funding through the Colorado Water Conservation Board (CWCBC). Mile High Youth Corps (MHYC) has an extensive history of providing employment, education and career readiness training programs for thousands of young adults in Colorado. As a local partner, I can attest to their proven ability in training, employing, and placing these young people.

Through our long-time partnership with MHYC, we have witnessed the organization's ability to grow and improve to meet the needs of young adults in a changing world, providing them with the experience needed for long-term employment and economic self-sufficiency. Young people enrolled in the program earn a paid stipend and an AmeriCorps education award, all while developing valuable skills that prepare them for the workforce and post-secondary education. The ability to receive both at the same time is a rare and significant opportunity.

I highly recommend Mile High Youth Corps for funding. If you need additional information about my support of Mile High Youth Corps, then please feel free to contact me at lilderton@energyoutreach.org or 303-226-5059.

Warm regards,

Luke Ilderton
Deputy Director
Energy Outreach Colorado
225 East 16th Ave, Suite 200
Denver, CO, 80203