



**COLORADO**

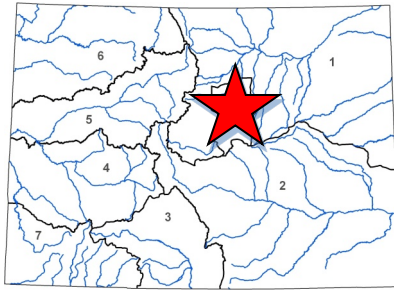
Colorado Water Conservation Board

Department of Natural Resources

**Mile High Flood District  
Implementation of Denver One  
Water Plan**

March 2022 Board Meeting

**Water Plan Grant Application**



L O C A T I O N	
County/Countries:	Denver
Drainage Basin:	Metro

D E T A I L S	
Total Project Cost:	\$200,000
Water Plan Grant Request:	\$100,000
Recommended Amount:	\$100,000
Other CWCB Funding:	\$0
Other Funding Amount:	\$50,000
Applicant Match:	\$50,000
Project Type(s):	Other
Project Category(Categories):	Conservation and Land Use Planning
Measurable Result:	reach 700k Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning; <

This project will kick off the implementation of the Denver One Water Plan, a landmark plan that fosters collaboration between entities responsible for managing all aspects of Denver’s urban water supply and waterways. Development of the Denver One Water Plan in 2020 and 2021 established the OWP vision, five specific goals, 24 strategies, and dozens of implementation actions to support achieving those goals. The One Water Leaders group (OWLs) has been established as an interagency working group to collaboratively implement the OWP recommendations.

This will be a collaborative approach, with particular emphasis on policy development, multiple-benefit projects, and integration of water planning and land use planning. Implementation of the OWP will engage both internal and external stakeholders to execute the Plan’s recommendations. Currently, the City has limited policy and land use requirements that guide water decisions as the city continues to grow and demands increase.

Large re-developments such as National Western Center, The River Mile, Sun Valley, and the Stadium District provide opportunities to implement water saving measures, progressive stormwater and floodplain management practices, and innovative approaches to recreation along our waterways. This implementation grant will be used for executing the implementation strategies identified in the plan. The ultimate goal of implementing the OWP is to integrate policies and address priorities around how the City manages water in a holistic matter in support of community values, while providing a method to incorporate them into future decisions via land use and zoning codes.



Last Updated: May 2021

**Colorado Water Conservation Board**

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**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 & Supply Projects	Matthew.Stearns@state.co.us
Conservation, Land Use Planning	Kevin.Reidy@state.co.us
Engagement & Innovation Activities	Ben.Wade@state.co.us
Agricultural Projects	Alexander.Funk@state.co.us
Water Sharing & ATM Projects	Alexander.Funk@state.co.us
Environmental & Recreation Projects	Chris.Sturm@state.co.us

**FINAL SUBMISSION: Submit all application materials in one email to [waterplan.grants@state.co.us](mailto: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	Mile High Flood District
Name of Water Project	Denver One Water Plan Implementation
CWP Grant Request Amount	\$100,000
Other Funding Sources City and County of Denver (CCD)	\$50,000
Other Funding Sources N/A	\$N/A
Other Funding Sources N/A	\$N/A
Applicant Funding Contribution	\$50,000
Total Project Cost	\$200,000

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<b>Applicant &amp; Grantee Information</b>	
Name of Grantee(s)	Mile High Flood District
Mailing Address	2480 W. 26th Ave Suite 156-B, Denver, CO 80211
FEIN	84-0599780
Organization Contact	Barbara Chongtoua
Position/Title	Engineering Services Manager
Email	bchongtoua@udfcd.org
Phone	(303) 749-5423
Grant Management Contact	[same]
Position/Title	
Email	
Phone	
Name of Applicant (if different than grantee)	[same]
Mailing Address	
Position/Title	
Email	
Phone	
<b>Description of Grantee/Applicant</b>	
Provide a brief description of the grantee's organization (100 words or less).	

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The Mile High Flood District offers numerous services that cover flood management, stream mitigation, stormwater, research and more. Since 1969, MHFD has been designing and building effective flood control and warning measures, open spaces, and regional paths, as well as removing trash and debris in local streams with a mission and vision of protecting people, property, and the environment.

Type of Eligible Entity (check one)	
	<b>Public (Government):</b> 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.
X	<b>Public (Districts):</b> Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
	<b>Private Incorporated:</b> Mutual ditch companies, homeowners associations, corporations.
	<b>Private Individuals, Partnerships, and Sole Proprietors:</b> Private parties may be eligible for funding.
	<b>Non-governmental organizations (NGO):</b> Organization that is not part of the government and is non-profit in nature.
	<b>Covered Entity:</b> As defined in <a href="#">Section 37-60-126 Colorado Revised Statutes</a> .

**Type of Water Project (check all that apply)**



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	Study
	Construction
X	Other – Strategic Water Plan

Category of Water Project (check the primary category that applies and include relevant tasks)			
	<p>Water Storage &amp; Supply - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity, multi-beneficial projects, water sharing agreements, Alternative Transfer Methods, and those projects identified in basin implementation plans to address the water supply and demand gap.  <i>Applicable Exhibit A Task(s):</i></p> <p><b>Note:</b> For Water Sharing Agreements or ATM Projects - please include the <a href="#">supplemental application</a> available on the CWCB's website.</p>		
X	<p>Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, water efficiency, and drought planning.  <i>Applicable Exhibit A Task(s):</i></p>		
	<p>Engagement &amp; Innovation - Activities and projects that support water education, outreach, and innovation efforts.  <i>Applicable Exhibit A Task(s):</i></p>		
	<p>Agricultural - Projects that provide technical assistance and improve agricultural efficiency.  <i>Applicable Exhibit A Task(s):</i></p>		
	<p>Environmental &amp; Recreation - Projects that promote watershed health, environmental health, and recreation.  <i>Applicable Exhibit A Task(s):</i></p>		
	<table border="1"> <tr> <td>Other</td> <td>Explain:</td> </tr> </table>	Other	Explain:
Other	Explain:		

Location of Water Project	
Please provide the general county and coordinates of the proposed project below in <b>decimal degrees</b> . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	City and County of Denver
Latitude	39.7392° N
Longitude	104.9903° W

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**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.

Denver’s One Water Plan (OWP) was published in 2021 as an integrated land use and water resources plan through a unique partnership between CWCB, City and County of Denver, Mile High Flood District, Denver Water, Metro Water Recovery, and The Greenway Foundation. The OWP provides a unique and innovative approach for how agencies responsible for managing Denver's urban water cycle can collaborate to address challenges and holistically manage watersheds to achieve multiple benefits.

Funded by a 2019 CWCB Water Plan Grant, the OWP established a framework for collaboration and implementation of critically needed water conservation and alternative water resource policies. With the Plan in place, the One Water Leaders group (OWLs) are now poised to implement the Plan's recommendations through a deliberate, prioritized work plan.

Proposed funding for implementation of the OWP will be used to hire a team of consultants to support One Water Project tracking, monitoring progress toward the OWP's defined goals, executing the OWP's implementation actions, and ongoing communications and outreach.

Implementation of the Plan addresses the South Platte River and its tributaries in Denver. Moreover, successful implementation of the OWP will provide a template and inspiration for collaborative, integrated water management for watersheds across Colorado.

**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)
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	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
>116,000*	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement	
Denver's 700K population with potential to reach additional Coloradans through multi-agency outreach**	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
Denver's 700K population with potential to reach additional Coloradans through multi-agency outreach**	Number of Coloradans Impacted by Engagement Activity	
Yes	Other	Explain: The Plan's broad policy scope will impact each of these topics.

\* The South Platte River and Cherry Creek comprise over 22 miles of stream that is protected via the OWP. Tributaries and other channels in Denver are in addition to this total.

\*\* While the project is focused primarily on Denver, mailing lists of the project partners (e.g., Mile High Flood District and Greenway Foundation) reach a significantly broader audience.

### Water Project Justification

Provide a description of how this water project supports the goals of [Colorado's Water Plan](#), the [Analysis and Technical Update to the Water Plan](#), 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).

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;)





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The Vision, Goals, and specific Strategies and Implementation Actions that make up the OWP are entirely consistent with and supportive of the goals of the Colorado Water Plan and the Metro Basin Implementation Plan. The Denver One Water Plan has a very broad reach. By paying for analysis and policy development for just one city, the CWCB, CCD and MHFD have a positive impact on Front Range entities and waterways, extending to as many as 41 communities that fall within the MHFD boundary, leveraging the funding significantly.

A primary goal of the Colorado Water Plan is to address the State's supply and demand challenges while protecting the health of rivers, streams and watersheds.

Relevant Colorado Water Plan Sections are listed below:

### **Supply - Demand Gap**

*Colorado's Water Plan sets a measurable objective of reducing the projected 2050 municipal and industrial gap from as much as 560,000 acre-feet to zero acre-feet by 2030.*

*The success of Colorado's Water Plan will ultimately be measured by whether or not the municipal water supply-and-demand gap is closed, and the choices we make to close it. With increased efforts on conservation, storage, land use, alternative transfer methods, and reuse, Colorado can close its gap, balance its water values, and address the effects of climate change on water resources.*

- Implementation of the OWP supports this goal by acting on identified opportunities for collaboration to create integrated water management that helps achieve these goals.
- The OWP identifies project opportunities and means of supporting them to improve local water supply reliability and reducing the City's reliance on imported water to mitigate effects of climate change.
- Implementation of the OWP will strengthen connections between land use and water planning entities, and reconcile policies and management strategies, while affording collaboration on mutually beneficial policies.

### **Conservation**

*Colorado's Water Plan sets a measurable objective to achieve 400,000 acre-feet of municipal and industrial water conservation by 2050.*

*Colorado must address projected gaps between future water needs and available water provisions from both the supply side and the demand side. Every acre-foot of conserved water used to meet new demands is an acre-foot of water that does not need to come from other existing uses.*

- Implementation of the OWP will advance efforts to supplement scarce water supplies through alternative water sources. Harvesting stormwater and reuse of greywater for irrigation and non-potable uses is proving to be a valuable practice for reduction of year-round demand on public water supplies treated to drinking water standards. Implementation of the Denver OWP will provide the forum for cross disciplinary experts to work together to identify and address hurdles to effective implementation of alternative water sources.
- In addition, the OWP focuses on supplementing these resources with increased water conservation programs and policies throughout the City, an effort that is facilitated through the plan's unprecedented cross-department and cross-disciplinary alignment.



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- Implementing recommendations from the OWP supports specific actions in support of the City and County of Denver's Comprehensive Plan 2040, Game Plan for Parks and Recreation, Blueprint Denver Land Use and Transportation Plan, Transit Plan and Pedestrian and Trails Plan. Through implementation of the OWP, communication and coordination between the various City departments (Transportation and Infrastructure, Parks and Recreation, Community Planning and Development, Climate Action Sustainability and Resilience, Public Health and Environment) and the City's partner agencies (Mile High Flood District, Denver Water, Metro Water Recovery) will be improved and strengthened. The Plan sets a specific course for coordinating water policies and land use policies to create a holistic approach to land use and water management going forward. This more holistic approach will be designed to maximize water conservation and efficiency through stronger linkages between policies that relate to land use, water resources, and the built environment.

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### **Land Use**

*Colorado's Water Plan sets a measurable objective that by 2025, 75 percent of Coloradans will live in communities that have incorporated water-saving actions into land-use planning.*

*In order to reduce the amount of water needed for future generations of Coloradans and keep urban-adjacent agricultural lands in production, Colorado must support the growth of the next 5 million residents more strategically than the last 5 million. Colorado's Water Plan calls for a partnership among local water providers and Colorado's communities. This partnership aims to incorporate water-saving actions into local land-use planning. The CWCB will work with the Department of Local Affairs, local governments, water providers, Colorado Counties Inc., Colorado Municipal League, the Special District Association, councils of governments, and homebuilders (Colorado Association of Homebuilders) to examine and strengthen the tools they collectively possess to help Colorado reach this objective.*

- Implementation of the OWP will strengthen connections between land use and water planning entities, reconcile policy conflicts, and align management strategies that result in the incorporation of water-saving actions into land-use planning.
- Implementation of the OWP will further solidify and institutionalize unprecedented collaboration among diverse departments and entities within and outside of the formal City government to achieve common goals. Interagency and cross-disciplinary relationships, communication and shared analysis tools will all be enhanced through implementation of the OWP.
- Through the implementation and rollout of this new, interconnected communication framework, policy and project outcomes will be more strategically designed for outcomes with multiple benefits in areas including environmental, social, and financial.
- Among the priority implementation actions stemming from the OWP, the City and County of Denver has initiated efforts to strengthen policies to protect urban waterways for ecological and community benefit, with a deliberate focus on water equity across Denver's diverse residential communities.
- This newly established framework could continue beyond the plan as a new structure for One Water implementation in communities adjacent to Denver and across the state.

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### **Agriculture**

*Colorado's Water Plan sets an objective that agricultural economic productivity will keep pace*



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*with growing state, national, and global needs, even if some acres go out of production.*

*To achieve this objective, the State will work closely with the agricultural community, in the same collaborative manner that has produced agricultural transfer pilot projects, to share at least 50,000 acre-feet of agricultural water using voluntary alternative transfer methods by 2030. Without a water plan, Colorado could lose up to 700,000 more acres of irrigated agricultural lands—that equals 20 percent of irrigated agricultural lands statewide and nearly 35 percent in Colorado’s most productive basin, the South Platte. While the right to buy or sell water rights must not be infringed upon, Colorado’s Water Plan describes market-competitive options to typical “buy-and-dry” transactions. Such alternative transfer methods can keep agriculturally dependent communities whole and continue*

*agricultural production in most years, and if such arrangements can be made more permanent in nature, they will provide certainty to both municipal water providers and agricultural producers. Options include lease-fallowing agreements, deficit irrigation, water banking, interruptible supply agreements, rotational fallowing, water conservation programs, and water cooperatives. The State will encourage innovation and creativity by agricultural producers and research institutions to maximize the productivity of every drop of water.*

- The increasing water needs of municipalities and industries compete with agriculture for water supplies.
- Water conservation activities, water reuse, and the maximization of alternative water supplies in the Denver metropolitan area will play an important role in balancing the need for additional water supply for the urban area.
- Implementation of the OWP will provide a foundation for more closely integrated water management solutions for the City of Denver and the larger metropolitan area, potentially reducing the demand for additional water supplies from other sources that might compete with agricultural water needs.

### **Watershed Health, Environment and Recreation**

*Colorado’s Water Plan sets a measurable objective to cover 80 percent of the locally prioritized lists of rivers with stream management plans, and 80 percent of critical watersheds with watershed protection plans, all by 2030.*

*The environment and recreation are too critical to Colorado’s brand not to have robust objectives; a strong Colorado environment is critical to the economy and way of life. In addition, the WQCC identified a strategic water quality objective to have fully supported classified uses—which may include drinking water, agriculture, recreation, aquatic life, and wetlands—of all of Colorado’s waters by 2050. These plans will address a variety of concerns, including pre- and post-fire mitigation, forest mortality, water quality impairments, potential impacts of legacy mines, flood mitigation and recovery, aquatic and riparian habitat enhancement, and land use change.*

*(Colorado Water Plan Executive Summary p. 16)*

- The OWP includes a recommendation for creating a framework for a more detailed stream management plan for the Denver metro area. The Denver urban area is a critical watershed, and implementation of the OWP will include tracking baseline conditions via defined objectives and a robust dataset for project prioritization for future projects.
- Implementation of the OWP supports a sustainable urban water cycle, which is critical



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to the health of the economy and the environment.

### **Education, Outreach, and Innovation**

*Colorado's Water Plan sets a measurable objective to significantly improve the level of public awareness and engagement regarding water issues statewide by 2020, as determined by water awareness surveys. Colorado's Water Plan also sets a measurable objective to engage Coloradans statewide on at least five key water challenges (identified by CWCB) that should be addressed by 2030.*

*Colorado's Water Plan will expand outreach and education efforts that engage the public to promote well-informed community discourse and decision making regarding balanced water solutions. This work will be collaborative and include state, local, and federal partners. As one component of this overall strategy, the CWCB will work with Colorado's innovation community, education and outreach experts, research institutions, and the Governor's Colorado Innovation Network (COIN) to address Colorado's water challenges with innovation and "outside-the-box" creativity.*

*(Colorado Water Plan Executive Summary p. 15)*

- The OWP leverages funding for maximum public outreach and engagement. Through the project's partnership with MHFD, 60% of the population of the state will be reached as the OWP is implemented and additional community engagement activities are conducted. MHFD may apply the outcomes of this plan to areas outside of Denver and within MHFD's boundary, an area that includes 41 communities.
- In concert with OWP development, the collaborating agencies led a series of public meetings and a comprehensive survey that reached thousands of Denver community members and elicited about 900 responses. This engagement process helped increase community awareness of and support for One Water management and linking water planning to land use. It also was used to help shape the Vision, Goals, Strategies, and Implementation Actions embodied in the OWP.
- The Plan development phase of the OWP included substantial community outreach. A major finding of the community-wide survey was that there is a need for further education regarding One Water management principles, strategies, and tactics. Implementation of the OWP builds on the robust public outreach and engagement effort already underway. It will employ various communication vehicles, offering opportunities for participation by all: elected officials, focus groups, technical committees, as well as multiple avenues for public participation.

### **The OWP will advance numerous goals of the South Platte Basin Implementation Plan including:**

**S.5.2 Maintain leadership in conservation and reuse and implement additional measures to reduce water consumption rates** through alignment of projects, policies, and public outreach.

**S.5.3 Maximize use and effectiveness of native South Platte supplies** through coordinated and integrated planning.

**S.5.5 Protect and enhance environmental and recreation attributes** by maximizing opportunities for allowing water to return to / remain in waterways to support habitat.

**S.5.8 Manage the risk of increased demands and reduced supplies due to climate change** by developing policies and tools for analysis that maximize every drop of water.



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**S.5.9 Facilitate effective South Platte communications and outreach programs that complement the state's overall program** through a robust public engagement process.

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

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

- Implementation of the Denver OWP presents a unique opportunity to address the water quality challenges in the South Platte basin through a holistic approach to stormwater and urban runoff and their relationship to the built environment and flood risk mitigation. Aquatic ecosystem health will be tracked using Denver's established Water Quality Index at key stations in Denver. This plan will maximize the City's ability to create a future that enhances the health of the city's natural resources and ecosystems for net positive return to the City's bottom line and the region's quality of life.

Appendix E – Water Quality

*From a water quality perspective in the South Platte Basin, the following examples demonstrate the diversity of concerns relative to current and future Statewide planning:*

*"5. The threat of emerging contaminants (including pharmaceuticals and personal care products) being only partially removed by current state-of-the-art wastewater technologies and potentially being introduced into water bodies downstream of wastewater treatment facility discharges and septic systems..." P.2*

- Appendix E – Water Quality, p. 16, 3.6 Cherry Creek Basin

*The Cherry Creek Basin Water Quality Authority (CCBWQA) goals include achieving and maintaining a chlorophyll-a standard (18 ug/L) for Cherry Creek Reservoir, reducing sediment loads from the watershed, and maintaining and enhancing the overall diversity of habitat in the watershed.*

- Implementation of the OWP supports this goal through the development of new ways to maximize water resources in the Denver portion of the Cherry Creek Basin while aligning policies affecting waterways and their habitat.

**The OWP also supports SWSI, Colorado's Water Plan, and the Technical Update to the Water Plan:**

- SWSI Executive Summary

*5. Support meeting Colorado's non-consumptive water needs by working with Colorado's water stakeholders to help.*

*Protect or enhance environmental and recreational values that benefit local and statewide economies.  
p. 41*

*Land Use and Water Supply Planning - Integration of water and land use planning at different scales is increasingly important as we strive to meet challenges related to growth, climate change,*



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*sustainability in the arid West. p. 7-13 and 7-14*

- *Need for Data.*
- *Role of Market*
- *Infrastructure Replacement*
- *Regional Collaborative Planning*
- *Integration*

### 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.

The OWP facilitates the OWLs' efforts to integrate several previous and ongoing City planning efforts, including:

- Denveright Comprehensive Plan
- Storm Drainage Master Plan
- Water Quality Management Plan
- Green Infrastructure Implementation Strategy
- Ultra-Urban Green Infrastructure Guidelines
- Sanitary Sewer Master Plan
- River South Master Plan
- River North Master Plan
- River Vision Implementation Plan
- Game Plan
- Blueprint Denver
- 2020 Sustainability Goals
- Hazard Mitigation Plan
- Emergency Management Plan
- Various Neighborhood Plans

Implementation of the OWP will also help integrate the City's role and its water-related projects in its partners' plans, including:

- Colorado's Water Plan (CWCB) and the Metro Basin Implementation Plan
- Various MHFD master plans
- Denver Water Plans
- Metro Water Recovery Plans

### 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.



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The following is a list of previous CWCB funding awarded to directly-related projects:

- Denver One Water Plan. Metro Basin RT. Approved at May 16, 2019 Board Meeting, Contract # CMS139836 (CTGG1 2020-056), \$200,000. Applicant for that project was The Greenway Foundation.
- Previous CWCB funding awarded to MHFD either as Applicant and/or Fiscal Agent:
  - Oxford River Run Park, Contract #104942
  - Cherry Creek Restoration Project, East Iliff Ave to Quebec St, 2017, Metro Basin RT, \$500,000. Approved at January 23, 2018 Board Meeting, Contract # 2019-3521. Applicant was Denver with MHFD as Fiscal Agent.
  - Clear Creek Whitewater Park, 2019, Metro Basin RT, Approved at March 11, 2021 meeting, Contract # TBD, \$100,000. Adams County was applicant with MHFD as Fiscal Agent.
  - Adams County South Platte River Vision and Implementation Plan, 2021, Metro Basin RT, Approved at January 26, 2021 Board Meeting, Contract # TBD, \$200,000. Applicant was Adams County with MHFD as Fiscal Agent.
  - Westerly Creek Restoration and Water Quality, 2021, Metro Basin RT, Approved at January 26, 2020 Board Meeting. Contract # TBD. \$250,000

### 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.

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

### Submittal Checklist

X	I acknowledge the Grantee will be able to contract with CWCB using the <a href="#">Standard Contract</a> .
X	Statement of Work <sup>(1)</sup>
X	Budget & Schedule <sup>(1)</sup>
N/A	Engineer's statement of probable cost (projects over \$100,000)
X	Letters of Matching and/or Pending 3 <sup>rd</sup> Party Commitments <sup>(1)</sup>
N/A	Map (if applicable) <sup>(1)</sup>



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X	Photos/Drawings/Reports – Denver One Water Plan (September 2021) is available at this link: <a href="https://www.denvergov.org/files/assets/public/doti/documents/programsservices/one-water/one-water-final-report.pdf">https://www.denvergov.org/files/assets/public/doti/documents/programsservices/one-water/one-water-final-report.pdf</a>
	Letters of Support (Optional)
*	Certificate of Insurance (General, Auto, & Workers' Comp.) <sup>(2)</sup>
*	Certificate of Good Standing with Colorado Secretary of State <sup>(2)</sup>
*	W-9 <sup>(2)</sup>
N/A	Independent Contractor Form <sup>(2)</sup> (If applicant is individual, not company/organization)
Water Sharing Agreements and Alternative Transfer Methods ONLY	
N/A	Water Sharing Agreements and Alternative Transfer Methods <a href="#">Supplemental Application</a> <sup>(1)</sup>

(1) Required with application.

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

\* will be submitted at time of contracting



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<b>Colorado Water Conservation Board</b>
<b>Water Plan Grant - Exhibit A</b>

Statement Of Work	
<b>Date:</b>	<b>December 1, 2021</b>
<b>Name of Grantee:</b>	<b>Mile High Flood District</b>
<b>Name of Water Project:</b>	<b>Denver One Water Plan – Implementation Phase 1</b>
<b>Funding Source:</b>	<b>CWCB; Mile High Flood District; City and County of Denver</b>
<b>Water Project Overview:</b>	
<p>Development of the Denver One Water Plan in 2020 and 2021 established the OWP vision, five specific goals, 24 strategies, and dozens of implementation actions to support achieving those goals. The One Water Leaders group (OWLs) has been established as an interagency working group to collaboratively implement the OWP recommendations. This initial phase of implementation for the OWP will include the work tasks detailed below.</p>	
<b>Project Objectives:</b>	

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This project will initiate implementation of the Denver One Water Plan, a landmark plan that foster collaboration between entities responsible for managing all aspects of Denver's urban water supply and waterways. This collaborative approach, with particular emphasis on policy development, multiple-benefit projects, and integration of water planning and land use planning. Implementation of the OWP will engage both internal and external stakeholders to execute the Plan's recommendations.

Denver and the entire Front Range are experiencing unprecedented growth and managing our most valuable natural resource is more important than ever. Currently, the City has limited policy and land use requirements that guide water decisions as we continue to grow and demands increase. Large re-developments such as National Western Center, The River Mile, Sun Valley, and the Stadium District provide opportunities to implement water saving measures, progressive stormwater and floodplain management practices, and innovative approaches to recreation along our waterways.

The ultimate goal of implementing the OWP is to integrate policies and address priorities around how the City manages water in a holistic matter in support of community values, while providing a method to incorporate them into future decisions via land use and zoning codes.

### Tasks

**Note on task numbering: Tasks 1 through 8 were associated with OWP Development. Tasks 9-11 initiate implementation of the OWP.**

#### **Task 9 – Meeting Support and Project Coordination for Initial Implementation Phase**

##### Description of Task:

The following subtasks will be conducted to facilitate ongoing OWL dialogue and conduct project coordination and management activities.

- 9.1 **OWL Group Meetings:** Schedule, organize, and facilitate recurring meetings of the OWL Group.
- 9.2 **One Water Steering Committee Meetings:** Schedule, organize, and facilitate recurring meetings of the One Water Steering Committee.
- 9.3 **Monthly Coordination Call:** Conduct a monthly project coordination call with the Project Managers from the City and County of Denver and the Mile High Flood District.
- 9.4 **Document Sharing Platform:** Maintain the previously-established One Water Plan SharePoint site as a central repository for project document sharing.
- 9.5 **Project Management:** Conduct ongoing project management activities: Monitor and manage scope of work, schedule updates, budget, project staffing, and

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<p>subconsultants. Prepare monthly invoice and monthly progress report. Prepare CWCB grant report at conclusion of the work.</p>
<p>Method/Procedure:</p> <p>Meetings will be facilitated remotely or hybrid (with options for in-person or remote attendance) to reflect local regulations and OWL preferences. The majority of the work will be conducted by the OWL Group, with management-level guidance from the One Water Steering Committee. OWL Group and One Water Steering Committee members have been identified, building on participation of the Core Planning Team that successfully supported development of the OWP.</p>
<p>Deliverable:</p> <ul style="list-style-type: none"> <li>● Meeting agendas, materials, and action item summaries.</li> <li>● Monthly invoices and progress reports.</li> </ul>

Tasks
<p><b>Task 10 - One Water Plan Initial Implementation Support</b></p>
<p>Description of Task:</p>

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The following subtasks will be conducted on an as-directed, time and materials basis. This provides the flexibility to support OWP Implementation Work Plan tasks that are prioritized by the OWL group but not self-performed by OWL members or their agencies.

**10.1 OWL Coordination and Collaboration (Work Plan Section 1):** Support the OWL Group with coordination and collaboration activities described in Section 1 of the October 2021 OWP Work Plan ("Work Plan"). This may include support for activities such as:

- Developing an updated OWL Group statement of commitment
- Coordination with individual agencies' One Water work groups
- Developing protocol for OWL Group decision-making
- Prioritizing efforts described in the Work Plan
- Preparing grant applications prioritized by the OWL Group

**10.2 OWPO Tracking and Collaboration (Work Plan Section 2):** Maintain and update the list of One Water Project Opportunities (OWPOs). Support OWL Group activities described in Section 2 of the Work Plan, potentially including serving as the OWPO Coordinator. This may include support for activities such as:

- Defining criteria and mechanisms for adding and deleting projects to/from the OWPO list
- Assessing funding opportunities for potential projects
- Maintaining the list of OWPOs
- Defining trigger(s) and mechanism(s) for OWLs to engage in individual projects
- Setting protocol for determining which OWL members should engage in each project, and how they should engage
- Defining protocol for developing policy language and addressing barriers (e.g., regulatory, permitting, etc.)
- Engaging in and supporting selected individual projects

**10.3 Metrics Support (Work Plan Section 3):** Support OWL Group activities described in Section 3 of the Work Plan, potentially including serving as the Metrics Coordinator. This may include support for activities such as:

- Determining frequency of calculating updated Metrics for each Indicator
- Determining appropriate timing for when to establish and how often to refine targets for each metric (aligned with existing agency goals, where appropriate)

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<ul style="list-style-type: none"> <li>▪ Determining mechanisms for communicating metrics with the public</li> <li>▪ Assigning roles and responsibilities for gathering input data and calculating each metric</li> <li>▪ Annual assessment of whether to keep, delete, or refine each metric</li> </ul> <p><b>10.4 Implementation Actions Support (Work Plan Section 4):</b> Support OWL activities described in Section 4 of the Work Plan, potentially including serving as the Implementation Actions Coordinator. This may include support for activities such as:</p> <ul style="list-style-type: none"> <li>▪ Tracking progress on short-term OWP Implementation Actions</li> <li>▪ Modifying/refining priority and lead/support organizations for each short-term Implementation Action</li> <li>▪ Advancing the Implementation Actions toward achieving the One Water Plan's five goals:             <ul style="list-style-type: none"> <li>o Tracked by lead organization (as defined in One Water Plan report)</li> <li>o Establish one or more OWL work groups to focus on specific short-term Implementation Actions</li> <li>o Define specific actions and schedule goals for each Implementation Action</li> <li>o Priorities for OWL group focus:                 <ol style="list-style-type: none"> <li>1. Implementation Actions where OWL is the lead organization or a support organization</li> <li>2. Implementation Actions where OWL is a support organization</li> <li>3. Implementation Actions led by individual organizations</li> </ol> </li> </ul> </li> <li>▪ Periodically considering whether any Implementation Actions should be accelerated or deferred</li> </ul>
<p>Method/Procedure:</p>
<p>Support for tasks described in this scope of work will be provided on a time and materials basis as directed by the OWLs, up to the overall project budget. Budgeted funds may be shifted between Tasks 9, 10, and 11 as necessary to address OWL priority support needs, within the overall budget for Phase 3 activities.</p>
<p>Deliverable:</p>
<p>Deliverables as applicable to work conducted in support of Task 10 activities.</p>

Last Updated: May 2021

Tasks
<b>Task 11 – As-Directed Communications and Outreach Support</b>
Description of Task:
<p>The following subtasks will be conducted on an as-directed, time and materials basis. This provides the flexibility to support OWP Implementation Work Plan tasks that are prioritized by the OWL group but not self-performed by OWL members or their agencies.</p> <ul style="list-style-type: none"> <li>11.1 <b>Public Communications:</b> Provide content for the Denver One Water Plan website, coordinate with City and County of Denver staff for posting materials to the website, and support other public communications in consultation with OWLs and City staff.</li> <li>11.2 <b>Community Survey:</b> Provide consulting support for development and deployment of a follow-up community survey, if/as directed by the OWLs.</li> <li>11.3 <b>Community Meeting Support:</b> Provide consulting support for a community meeting to share information regarding the final OWP and its initial implementation activities.</li> </ul>
Method/Procedure:
Support for tasks described in this scope of work will be provided on a time and materials basis as directed by the OWLs, up to the overall project budget. Budgeted funds may be shifted between Tasks 9, 10, and 11 as necessary to address OWL priority support needs, within the overall budget for Phase 3 activities.
Deliverable:
Deliverables as applicable to work conducted in support of Task 11 activities.

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
<b>Progress Reports:</b> 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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**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 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.



**COLORADO**

Colorado Water  
Conservation Board

Department of Natural Resources

## Colorado Water Conservation Board

### Water Plan Grant - Exhibit C

### Budget and Schedule

**Prepared Date: 11/30/21**

**Name of Applicant: Mile High Flood District**

**Name of Water Project:**

**Project Start Date: 4/1/22**

**Project End Date: 12/31/24**

Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total
9	Meeting Support and Project Coordination	4/1/2022	12/31/2024	\$33,066	\$33,066	\$66,132
10	One Water Plan Initial Implementation Support	4/1/2022	12/31/2024	\$39,985	\$39,985	\$79,970
11	As-Directed Communications and Outreach Support	4/1/2022	12/31/2024	\$26,949	\$26,949	\$53,898
<b>Total</b>				<b>\$100,000</b>	<b>\$100,000</b>	<b>\$200,000</b>



November 30, 2021

Mr. Kevin Reidy  
Colorado Water Conservation Board  
1313 Sherman St., Room 721  
Denver, Colorado 80203  
December 1, 2021

Dear Mr. Reidy:

The Colorado Water Conservation Board has been an invaluable partner in the development of the Denver One Water Plan, both in terms of the initial grant funding CWCB provided and the time and energy you invested as one of the core planning team members. As you know, implementation of the plan is a critical next step toward achieving the goals and strategies identified through this planning process.

As primary proponents of the attached application for a CWCB Water Plan Grant for implementation of the plan, the Mile High Flood District (District) and City and County of Denver Department of Transportation and Infrastructure (DOTI) respectfully request CWCB's consideration of this request for \$100,000 in grant funding. We anticipate that this grant will be matched one-to-one (50/50) with local cash expenditures and in-kind time. We are developing formal letters of commitment from the District and DOTI, and we will submit those to your attention prior to the Board's consideration of this application in March 2022.

Please reach out if you have questions or if we can provide any further information.

Sincerely,



Ken A. MacKenzie  
Executive Director