



Last Updated: July 2017

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:

Supply and Demand Gap Projects
Water Storage Projects
Conservation, Land Use Planning
Engagement & Innovation Activities
Agricultural Projects
Environmental & Recreation Projects

Gregory.Johnson@state.co.us
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Applicants interested in submitting an ‘Intent to Apply’ in the future are encouraged to check here ☐ and fill in all sections with the best information available at the time. Exhibits may be excluded.

This “Intent to Apply” will help CWCB prioritize Projects that are not ready for fully completed Water Plan Grant Application due to the initial timeframe and required deadlines.

FINAL SUBMISSION: Submit all application materials 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.

Water Project Summary

Name of Applicant	City of Brighton
Name of Water Project	Erger's Augmentation Station
CWP Grant Request Amount	\$700,000
Other Funding Sources <u>N/A</u>	\$ N/A
Other Funding Sources <u>N/A</u>	\$ N/A
Other Funding Sources <u>N/A</u>	\$ N/A
Applicant Funding Contribution	\$2,800,000
Total Project Cost	\$3,500,000



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Applicant & Grantee Information	
Name of Grantee(s)	City of Brighton, Utilities Department
Mailing Address	500 S. 4 th Ave, Brighton, CO 80601
FEIN	84-6000567
Organization Contact	Curt Bauers
Position/Title	Director of Utilities
Email	Cbauers@brightonco.gov
Phone	(720) 289-3967
Grant Management Contact	Curt Bauers
Position/Title	Director of Utilities
Email	Cbauers@brightonco.gov
Phone	(720) 289-3967
Name of Applicant (if different than grantee)	N/A
Mailing Address	N/A
Position/Title	N/A
Email	N/A
Phone	N/A

Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
The City of Brighton's Utilities Department manages the City's water, wastewater, and stormwater infrastructure. The department also manages the City's water rights portfolio, including a complex augmentation system, which will involve the Erger's augmentation station.



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Type of Eligible Entity (check one)	
<input checked="" 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.



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Type of Eligible Entity (check one)	
<input type="checkbox"/>	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
<input 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 checked="" type="checkbox"/>	Construction
<input type="checkbox"/>	Identified Projects and Processes (IPP)
<input type="checkbox"/>	Other

Category of Water Project (check all that apply and include relevant tasks)		
<input type="checkbox"/>	Supply and Demand Gap - 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"/>	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity. <i>Applicable Exhibit A Task(s):</i>	
<input 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:

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/Counties	Adams County



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Location of Water Project	
Latitude	39.977862
Longitude	-104.841261

Water Project Overview
<p>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.</p> <p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.</p>
<p>The grant from CWCB will be used to fund the construction of an augmentation system with two stations on Erger's reservoir in Brighton, CO. The first station, on the west side of the reservoir, will pump water into Erger's from the South Platte River during times of "free river". The second station on the northeast side of the reservoir will be used to pump water back into the South Platte to augment the City's groundwater withdrawals.</p> <p>The west side station pulling water from the river will include a gravity flow channel and a supplemental pump system to bring additional water to the reservoir. Major components of infrastructure for the west side station include the gravity-fed concrete channel, one joint pump house and electrical building, a side vault and about three hundred feet of HDPE pipe.</p> <p>The return flow station to the northeast of the reservoir is entirely driven by pumps, therefore it includes a pump station, a separate building for electrical controls, a side vault and about a few hundred feet of HDPE pipe.</p>

Measurable Results
<p>To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:</p>



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Measurable Results		
1800	New Storage Created (acre-feet)	
N/A	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
N/A	Existing Storage Preserved or Enhanced (acre-feet)	
N/A	Length of Stream Restored or Protected (linear feet)	
N/A	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
N/A	Area of Restored or Preserved Habitat (acres)	
N/A	Quantity of Water Shared through Alternative Transfer Mechanisms	
N/A	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
N/A	Number of Coloradans Impacted by Engagement Activity	
N/A	Other	Explain:

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> <p>Completion of Erger's Augmentation Station will allow the City to use Erger's Pond as a reservoir for augmentation storage. Increasing Brighton's capacity for storage advances the goals outlined in Colorado's Water Plan because storage capacity on the whole South Platte River is increased, which is particularly valuable in dry years when water stored from wet years can be return to the river. As stated in the South Platte Basin Implementation Plan: "Additional storage would provide greater water supply security for municipal, industrial, agricultural, recreational and environmental needs of the South Platte Basin... Furthermore, additional storage is essential to implementing the above Plan Elements" (South Platte Basin Implementation Plan 5-29)</p> <p>The Erger's Augmentation Station is particularly beneficial for the South Platte Basin because the reservoir can be filled during times of "free river", which usually occurs during spring runoff peaks in wet years. Currently, because enough storage does not exist on the South Platte River, much of this extra runoff flows out of the state and goes unused by Colorado. Therefore, by opening up Erger's reservoir for storage, more "free river" water can be put to beneficial use, which serves the goals of Colorado's Water Plan to increase storage and maximize utilization of the South Platte River. The creation of new storage is identified in Colorado's Water Plan as a "No-and-Low-Regrets action" (Colorado's Water Plan [CWP] 6-10). Furthermore, the CWP states the intention for the state to "Implement storage and other infrastructure to maximize flexibility and reliability" (CWP 6-10).</p>



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Water Project Justification

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.

N/A

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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Previous CWCB Grants, Loans or Other Funding
N/A

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⁾
N/A	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
N/A	Map (if applicable) ⁽¹⁾
N/A	Photos/Drawings/Reports
N/A	Letters of Support (Support letter from Basin Roundtable encouraged)
N/A	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
N/A	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
N/A	W-9 ⁽²⁾
N/A	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:	9/14/17
Name of Applicant:	City of Brighton
Name of Water Project:	Erger's Augmentation Station
Funding Source:	CWP Grant and City of Brighton Funds
<p>Water Project Overview: Please provide a summary of the proposed water project (200 words or less). The same summary can be used from Page 5 of the CWP Grant Application.</p> <p>The grant from CWCB will be used to fund the construction of an augmentation system with two stations on the Erger's reservoir in Brighton, CO. One station, on the west side of the reservoir, will pump water into Erger's from the South Platte River during times of "free river". The second station on the northeast side of the reservoir will be used to pump water back into the South Platte to augment the City's groundwater withdrawals.</p> <p>The west side station pulling water from the river will include a gravity flow channel and a supplemental pump system to bring additional water to the reservoir. Major components of infrastructure for the west side station include the gravity-fed concrete channel, one joint pump-house and electrical building, a side vault and about three hundred feet of HDPE pipe.</p> <p>The return flow station to the northeast of the reservoir is entirely driven by pumps, therefore it includes a pump station, a separate building for electrical controls, a side vault and about three hundred feet of HDPE pipe.</p>	
<p>Objectives: List the objectives of the project.</p> <p>The objectives of the project are to construct two augmentation stations at Erger's reservoir, one on the west side to bring water from the South Platte River to the reservoir and one on northeast side to put water back into the river. This project will open up Erger's Pond as an augmentation water storage reservoir, thereby increasing the overall augmentation storage capacity for the City of Brighton, which is the essential goal of the project.</p>	

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Tasks
Provide a detailed description of each project task using the following format:
Task 1 – West-Side River Augmentation Station
Description of Task:
<p>Construct a pump station conveyance system and separate gravity driven pipeline to bring water from the South Platte into Erger's reservoir. The pump station will include two inlets with headgates in the river, a joint pump-house and electrical controls building, a river side-vault and HDPE pipe to convey the water. The separate gravity line will be constructed of concrete and be sloped to run water from the river to the reservoir when its headgate is open. All inlets and outlets will be lined with grouted riprap to protect against erosion.</p>
Method/Procedure:
<p>Full designs for the augmentation station have already been completed. The next step will be to bring this project to bid, procure a contractor, and then begin construction.</p>
Grantee Deliverable: Describe the deliverable the grantee expects from this task
<p>The grantee expects one fully functional augmentation station to the west of the reservoir to bring water into the reservoir. The station will include pressure lines to pump water from the South Platte and also include gravity-driven pipes to bring additional water in from the river.</p>
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
<p>The City of Brighton will invoice CWCB for grant reimbursement upon periodic completion of construction phases by the contractor.</p>

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Tasks
Provide a detailed description of each task using the following format:
Task 2 – Northeast Augmentation Station
<p>Description of Task:</p> <p>This task will include the construction of a pump station to bring water from Erger’s reservoir to the South Platte River. Unlike the western augmentation station, all water going through this augmentation station will be pumped and not gravity-driven. This task will include inlet and outlet structures, a pump house, a separate electrical controls building, HDPE piping to connecting all necessary components, and grouted riprap to protect all inlet and outlet structures from erosion.</p>
<p>Method/Procedure:</p> <p>As in Task 1, full designs for the augmentation station have already been completed. The next step will be to bring this project to bid, procure a contractor and then begin construction.</p>
<p>Grantee Deliverable: Describe the deliverable the grantee expects from this task</p> <p>The City of Brighton expects to have a fully functional augmentation pump station to be used for the City’s augmentation needs.</p>
<p>CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task</p> <p>The deliverable supplied to CWCB will be documentation and photographs as needed to verify substantial completion of the various construction phases.</p>

Repeat for Task 3, Task 4, Task 5, etc.

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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. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

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 withhold disbursement the last 10% of the budget until 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.

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COLORADO
Colorado Water
Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Exhibit A Budget and Schedule

Date: 9/14/2017

Name of Applicant: City of Brighton

Name of Water Project: Erger's Augmentation Station

Task No.	Task Description	Start Date ⁽¹⁾	End Date	Water Project Funding Category	Grant Funding Request	Match Funding	Total
1	Construction	1/15/2018	10/15/2018	e.g. Supply/Demand	N/A	N/A	\$0
2				e.g. Storage	\$700,000	\$2,800,000	\$3,500,000
3				e.g. Conservation/Land Use	N/A	N/A	\$0
				e.g. Engagement	N/A	N/A	\$0
				e.g. Agricultural	N/A	N/A	\$0
				e.g. Environmental/Rec	N/A	N/A	\$0
							\$0
							\$0
							\$0
							\$0
							\$0
							\$0
							\$0
							\$0
							\$3,500,000
Total					\$700,000	\$2,800,000	\$0

(1) Start Date for funding under \$100K, minimum 45 Days from Board Approval; Start Date for funding over \$100K, minimum 90 Days from Board Approval.

·Round values up to the nearest hundred dollars.

·Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

·NTP will not be accepted as a start date. Project activities may commence as soon as grantee enters contract and receives formal NTP if prior to the listed "Start Date".

·The applicant shall provide a progress repost every 6 months, beginning from the date of contract execution.

·CWCB will withhold disbursement of the last 10% of the total grant amount until a Final Report is completed to the satisfaction of CWCB staff (2017 CWP Grant Guidelines).