



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: Gregory.Johnson@state.co.us

Water Storage Projects: Anna.Mauss@state.co.us

Conservation, Land Use Planning: Kevin.Reidy@state.co.us

Engagement & Innovation Activities: Mara.MacKillop@state.co.us

Agricultural Projects: Brent.Newman@state.co.us

Environmental & Recreation Projects: Linda.Bassi@state.co.us

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 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 deadlines required.

#### Water Project Summary

Name of Applicant	West Divide Water Conservancy District Colorado River Water Conservation District	
Name of Water Project	Understanding local streamflow to quantify West Divide Project component yield.	
CWP Grant Request Amount	\$ 80,260	
Other Funding Sources	\$	
Other Funding Sources	\$0	
Applicant Funding Contribution (West Divide Water Conservancy District)	\$ 80,260	
Total Project Cost	\$160,520	



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Applicant & Grantee Information	
Name of Grantee(s)	Colorado River Water Conservation District
Mailing Address	P.O. Box 1120, Glenwood Springs, CO 81602
FEIN	
Organization Contact	John Currier
Position/Title	Chief Engineer
Email	<a href="mailto:jcurrier@crwcd.org">jcurrier@crwcd.org</a>
Phone	(970) 945-8522 ext 237
Grant Management Contact	John Currier
Position/Title	Chief Engineer
Email	<a href="mailto:jcurrier@crwcd.org">jcurrier@crwcd.org</a>
Phone	(970) 945-8522 ext 237
Name of Applicant (if different than grantee)	West Divide Water Conservancy District (WDWCD)
Mailing Address	818 Taughenbaugh Blvd, Rifle, CO 81650
Position/Title	Sam Potter
Email	samisbmo7@gmail.com
Phone	(970) 309-3030

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### Description of Grantee/Applicant

Provide a brief description of the grantee's organization (100 words or less).

The **West Divide Water Conservancy District** (WDWCD), a Colorado governmental entity, was organized in 1964 for the purposes of conserving and developing land and water resources within its boundaries in Garfield, Pitkin and Mesa counties. WDWCD provides augmentation supplies within the District for all beneficial uses, and promotes the health, safety and welfare of the public through these services.

The **Colorado River Water Conservation District** (CRWCD) is a public water policy agency chartered in 1937 to be "the appropriate agency for the conservation, use and development of the water resources of the Colorado River and its principal tributaries in Colorado."



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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)	
X	Study
	Construction
X	Identified Projects and Processes (IPP)
	Other

Category of Water Project (check all that apply and include relevant tasks)	
X	Supply and Demand Gap Projects - 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): Tasks 1-5</i>
X	Water Storage Projects - Projects that facilitate the development of additional storage, artificial recharge into aquifers, and dredging existing reservoirs to restore the reservoirs' full decreed storage capacity. <i>Applicable Exhibit A Task(s): Tasks 1-5</i>
X	Conservation and Land Use Planning Projects - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s): Tasks 1-5</i>
	Engagement & Innovation Projects - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application available on the website. <i>Applicable Exhibit A Task(s):</i>
X	Agricultural Projects - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s): Tasks 1-5</i>



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X	Environmental & Recreation Projects – Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s): Tasks 1-5</i>	
	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	Garfield/Mesa
Latitude	39.3722
Longitude	-107.5934

### 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.

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### Water Project Overview

The work being proposing will primarily increase streamflow monitoring in the Divide Creek area where WDWCD holds conditional direct flow and storage water rights. The only stream measurement available in the area is the West Divide Creek Raven gage (WSDRAVCO). The West Divide Canal was contemplated to divert water from Garfield and Baldy Creeks into Kendig Reservoir. The Horsethief Canal was contemplated as a delivery structure from Kendig which could also divert additional water from East Mamm, Beaver, Cache and Battlement Creeks. A recent feasibility study of Kendig Reservoir found the yield to be highly variable from year to year with the only source of water being West Divide Creek. There are roughly 6,700 acres of irrigated lands growing mainly pasture grass below the contemplated Kendig Reservoir site. Because the originally contemplated Crystal River supplies have been abandoned, there is a need to quantify the additional yield that can be obtained from within the basin. In addition to yield analysis, alternative dam alignments have created the need to reinvestigate canal alignments to deliver water via gravity flow into the Kendig alternatives. Potential services areas will also be delineated.

### Measurable Results

To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:

9,000 - 16,500	New Storage Created (acre-feet)	
9,000 - 16,500	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
TBD	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	
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
TBD	Other	Explain: value of increased agricultural efficiency, value of augmentation water supply for landowners.

### Water Project Justification

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



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### Water Project Justification

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;)

Kendig Reservoir was identified in the Colorado Basin Implementation Plan (BIP) as a "Top Project" in April 2015. Kendig Reservoir met 3 of 6 themes, including: protecting and restoring healthy streams, sustaining agriculture and securing safe drinking water (Colorado Basin Roundtable Basin Implementation Plan – Table 18, pp 131). Kendig, along with several other West Divide Project components (Baldy – aka Alsbury Reservoir enlargement, Horsethief Canal, West Divide Canal, Dry Hollow Reservoir, and West Mamm Creek Reservoir) were identified in the Middle Colorado Region needs assessment as an IPP for: sustaining agriculture, securing safe drinking water and in developing local water conscious land use strategies (Colorado Basin Roundtable Basin Implementation Plan – Table 15, pp 111). Kendig Reservoir can sustain agriculture by providing late season irrigation flows, when physical and legal supplies typically run out. Kendig Reservoir could secure safe drinking water by providing a legal augmentation supply for groundwater wells to operate out of priority, a potable water system from Kendig Reservoir is beyond the scope of this work. Kendig Reservoir can aid in developing local water conscious land use strategies by providing more flexibility for water supply during population and industrial growth periods as well as during drought periods. Kendig reservoir would allow for stream protection by bringing the water supply of the area more in line with the timing of water demands by providing storage to re-time the runoff. Benefits could be similar to those seen below Rifle Gap and Grass Valley Reservoir (aka Harvey Gap). Additionally, Kendig would provide a recreation pool for boating, fishing and other aquatic activities.

### 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.

- Wilson Water Group, 2016. Kendig Reservoir Feasibility Report . April.
- Grand River Consulting. 2012. Evaluation of Development Options – West Divide Project. December.
- Black and Veatch. 2011. West Divide Project Feasibility Assessment. June 3.
- ERO Resources Corporation, Inc. 2011. Environmental Permits, Authorizations, and Regulatory Requirements West Divide Project. June.
- Barnes Geologic Consulting, Inc. 2002. Geology Report - Kendig Dam and Reservoir Sites West Divide Project, Colorado. May.
- U.S. Bureau of Reclamation (USBR). 1987. Kendig Dam Site, Feasibility Geology Report.
- Hydro-Triad, LTD. 1986. Reformulation of the West Divide Project. July.
- U.S. Bureau of Reclamation (USBR). 1982. USBR Planning Report on the West Divide Project. May.
- U.S. Bureau of Reclamation (USBR). 1966. West Divide Project, Colorado. Feasibility Report. March.
- U.S. Bureau of Reclamation (USBR). 1956. West Divide Project, Colorado. Supplemental Status Report. July.
- U.S. Bureau of Reclamation (USBR). 1937. Planning Report: USBR West Slope Surveys, The West Divide Project.

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### 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.

WSRA Grant:

- 1.) West Divide Water Conservancy District and Colorado River Water Conservation District
- 2.) Kendig Reservoir Feasibility Evaluations
- 3.) Colorado Basin Roundtable
- 4.) May 18, 2015 – Ignacio, CO
- 5.) POGG1 2016-208
- 6.) 0%

### 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.

**CRWCD will act as the fiscal agent on this project due to WDWCD's limited revenues and corresponding limited ability to accept grant money under TABOR. WDWCD will provide matching funds.**



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Submittal Checklist	
x	I acknowledge the Grantee will be able to contract with CWCB using the <a href="#">Standard Contract</a> .
Exhibit A	
X	Statement of Work <sup>(1)</sup>
X	Budget & Schedule <sup>(1)</sup> ( <i>Spreadsheet</i> )
X	Letters of Matching and/or Pending 3 <sup>rd</sup> Party Commitments <sup>(1)</sup>
Exhibit C	
X	Map (if applicable) <sup>(1)</sup>
X	Photos/Drawings/Reports
X	Letters of Support (Support letter from Basin Roundtable encouraged)
X	Certificate of Insurance (General, Auto, & Workers' Comp.) <sup>(2)</sup>
	Certificate of Good Standing with Colorado Secretary of State <sup>(2)</sup>
X	W-9 <sup>(2)</sup>
	Independent Contractor Form <sup>(2)</sup> (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application <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.