

Last Update: July 31, 2018

<b>Colorado Water Conservation Board</b>
<b>Water Supply Reserve Fund Grant Application</b>

<b>Instructions</b>
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All WSRF grant applications shall conform to the current [2016 WSRF Criteria and Guidelines](#).

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

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

<b>Arkansas</b>  Ben Wade <a href="mailto:ben.wade@state.co.us">ben.wade@state.co.us</a> 303-866-3441 x3238	<b>Gunnison   North Platte   South Platte   Yampa/White</b>  Craig Godbout <a href="mailto:craig.godbout@state.co.us">craig.godbout@state.co.us</a> 303-866-3441 x3210	<b>Colorado   Metro   Rio Grande   Southwest</b>  Megan Holcomb <a href="mailto:megan.holcomb@state.co.us">megan.holcomb@state.co.us</a> 303-866-3441 x3222
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<b>WSRF Submittal Checklist (Required)</b>
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x	I acknowledge this request was recommended for CWCB approval by the sponsoring roundtable.
x	I acknowledge I have read and understand the <a href="#">2016 WSRF Criteria and Guidelines</a> .
x	I acknowledge the Grantee will be able to contract with CWCB using the <a href="#">Standard Contract</a> . <sup>(1)</sup>
<b>Application Documents</b>	
x	Exhibit A: Statement of Work <sup>(2)</sup> ( <i>Word – see Template</i> )
x	Exhibit B: Budget & Schedule <sup>(2)</sup> ( <i>Excel Spreadsheet – see Template</i> )
x	Letters of Matching and/or Pending 3 <sup>rd</sup> Party Commitments <sup>(2)</sup>
x	Map <sup>(2)</sup>
x	Photos/Drawings/Reports
	Letters of Support
<b>Contracting Documents<sup>(3)</sup></b>	
TBP	Detailed/Itemized Budget <sup>(3)</sup> ( <i>Excel Spreadsheet – see Template</i> )
x	Certificate of Insurance <sup>(4)</sup> ( <i>General, Auto, &amp; Workers' Comp.</i> )
x	Certificate of Good Standing <sup>(4)</sup>
x	W-9 Form <sup>(4)</sup>
	Independent Contractor Form <sup>(4)</sup> ( <i>If applicant is individual, not company/organization</i> )
TBP	Electronic Funds Transfer (ETF) Form <sup>(4)</sup>

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

(2) Required with application if applicable.

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

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

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

Desired Timeline	
Desired CWCB Hearing Month:	July 2019
Desired Notice to Proceed Date:	August 2019

Water Activity Summary		
Name of Applicant	Learning By Doing, Inc.	
Name of Water Activity	Design of Hammond Ditch Improvements: Phase One	
Approving Roundtable(s)	Basin Account Request(s) <sup>(1)</sup>	
Colorado River	\$27,000	
Basin Account Request Subtotal	\$27,000	
Statewide Account Request <sup>(1)</sup>		
Total WSRF Funds Requested (Basin & Statewide)	\$27,000	
Total Project Costs	\$38,000	

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



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Grantee and Applicant Information	
Name of Grantee(s)	Learning By Doing, Inc.
Mailing Address	P.O. Box 264, Hot Sulphur Springs, CO 80451
FEIN	30-1176284
Grantee's Organization Contact <sup>(1)</sup>	Ed Moyer
Position/Title	Assistant Manager, Grand County
Email	emoyer@co.grand.co.us
Phone	970-725-3012
Grant Management Contact <sup>(2)</sup>	Kiki Sayre
Position/Title	Project Coordinator, Learning By Doing
Email	kikisayre@msn.com
Phone	303-744-2414
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

(1) Person with signatory authority

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

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
Learning By Doing is a cooperative effort of Grand County, Denver Water, Northern Water, Middle Park Water Conservancy District, Colorado River Water Conservation District, Trout Unlimited and Colorado Parks and Wildlife, resulting from two intergovernmental agreements. The purpose of Learning By Doing is to protect and, where possible, restore and enhance the aquatic environment of the Upper Colorado, Fraser and Williams Fork river basins.

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

Type of Water Activity (check one)	
x	Study
	Implementation

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

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in <b>decimal degrees</b> . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Grand
Latitude	39.952082
Longitude	-105.814357

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### Water Activity Overview

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

The goal of this LBD collaborative project, the “Hammond Ditch Improvement Project,” is to improve an irrigation headgate structure to prevent fish entrainment, make diversions more efficient, and improve habitat connectivity and fish passage on the Fraser River. To achieve this goal, LBD plans to install a fish screen at the headgate of Hammond No. 1 Ditch to prevent fish loss in the ditch, make improvements to the headgate structure to reduce leakage, and retrofit a rock cross vane on the mainstem Fraser River to improve fish passage.

The need for this project arose when LBD documented fish entrainment in the ditch when it’s diverting. Significant leaks at the headgate structure were also observed when the headgate was shut off. Further, the rock cross vane diversion structure that directs water towards the headgate was observed to be a barrier to some fish species and life stages at low flows, preventing upstream migration to spawning areas.

LBD plans to complete this project in two phases, with design in 2019 and construction in 2020, providing funding is secured. This request seeks funds for the engineering design phase. LBD has contacted ditch owners, who have provided preliminary approval, pending review of design.

### Measurable Results

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

		New Storage Created (acre-feet)
		New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
		Existing Storage Preserved or Enhanced (acre-feet)
		Length of Stream Restored or Protected (linear feet)
		Efficiency Savings (indicate acre-feet/year OR dollars/year)
		Area of Restored or Preserved Habitat (acres)
		Length of Pipe/Canal Built or Improved
x	Other	Explain: Replacing a leaking headgate that supplies water to a 3-mile-long irrigation ditch that currently entrains fish. New headgate will include a fish screen and replacement of the existing rock vein diversion structure with a diversion structure to include fish passage. While it is impossible to quantify the linear distance of

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Measurable Results		
		the Fraser River that would be improved by eliminating fish entrainment into the Hammond Ditch, we have collected evidence that in a typical year hundreds of fish are entrained in the ditch, including multiple year-classes of brown, brook, and rainbow trout. Construction of this project would prevent this loss of fish from the Fraser, benefitting a significant distance both upstream and downstream from the diversion point.

Water Activity Justification
<p>Provide a description of how this water activity supports the goals of <a href="#">Colorado's Water Plan</a>, the most recent <a href="#">Statewide Water Supply Initiative</a>, and the respective <a href="#">Roundtable Basin Implementation Plan and Education Action Plan</a> <sup>(1)</sup>. 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>For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in <a href="#">2016 WSRF Criteria and Guidelines</a>).</p>

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### Water Activity Justification

“Protect and Restore Healthy Streams, Rivers, Lakes and Riparian Areas” and “Sustain Agriculture” are among the six initiatives of the [Colorado Basin Implementation Plan](#) (p43). Learning By Doing’s Hammond Ditch Improvement Project addresses both of these initiatives by improving a diversion site for agricultural and fisheries benefits.

Jon Ewert, aquatic biologist with Colorado Parks & Wildlife (CPW), and Kirk Klancke, president of the Trout Unlimited Colorado River Headwaters Chapter, both LBD members, conducted an assessment along the Hammond Ditch just after it was shut off in late July 2018, to verify the fish entrainment issue. They found 82 trout and 1 sculpin in the first 370 feet, and 2 trout in the next 300-foot section. (*See attached report*). This project will protect fish from entrainment, thereby improving the health of the fishery and the Fraser River.

In 2017, LBD completed a river restoration project on a 0.9-mile section of the Fraser River (Fraser Flats River Habitat Project) downstream from the proposed project site near County Road 83. Part of our post-project monitoring at this downstream site involves fish sampling to determine if the project successfully improved fish habitat. While fish population estimates have improved significantly post-project, LBD would like to ensure that fish migration up and down the Fraser isn’t impaired, as it has been to some extent with fish entrained in Hammond Ditch. A fish screen at the headgate and replacement of the rock vein diversion structure with a structure that allows fish passage during low flows would address this problem, while helping to support the Colorado Roundtable’s “Protect and Restore Health Streams, Rivers and Riparian Areas” goals.

Additionally, the Hammond Ditch headgate improvements will reduce leakage and make diversions for agricultural use more efficient, helping support the Colorado Roundtable’s “Sustain Agriculture” goals.

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

### Matching Requirements: Basin Account Requests

**Basin (only) Account** grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3<sup>rd</sup> party and shall be accompanied by a **letter of commitment** as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity’s letterhead). Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind)
Learning By Doing Management Committee	\$9,000 (cash)



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Matching Requirements: Basin Account Requests	
Learning By Doing team members	\$2,000 (in-kind)
- Project management	
- Contracts and accounting	
- Review of engineering design	
- Coordination with project stakeholders, including ditch owners	
Total Match	\$11,000
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

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

Related Studies
Please provide a list of any related studies, including if the water activity is complimentary to or assists in the implementation of other CWCB programs.



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### Related Studies

Assessment of Fish Entrainment in Hammond Ditch, Colorado Parks & Wildlife, July 2018

### Previous CWCB Grants

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

N/A

### Tax Payer Bill of Rights

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

N/A