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## Colorado Water Conservation Board

### Water Plan Grant Application

#### Instructions

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

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

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  
Anna.Mauss@state.co.us  
Kevin.Reidy@state.co.us  
Mara.MacKillop@state.co.us  
Brent.Newman@state.co.us  
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 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](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.

#### Water Project Summary

Name of Applicant	Ducks Unlimited, Inc.
Name of Water Project	North Park Irrigated Meadows Infrastructure Improvements
CWP Grant Request Amount	\$ 150,000
Other Funding Sources _____	\$
Other Funding Sources _____	\$
Other Funding Sources _____	\$
Applicant Funding Contribution	\$ 150,000
Total Project Cost	\$ 300,000



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Applicant & Grantee Information	
Name of Grantee(s)	Ducks Unlimited, Inc.
Mailing Address	1825 Sharp Point Drive, Suite 118, Fort Collins, CO 80525
FEIN	13-5643799
Organization Contact	Jason A. Roudebush
Position/Title	Water Resource Specialist
Email	<a href="mailto:jroudebush@ducks.org">jroudebush@ducks.org</a>
Phone	970.231.8317
Grant Management Contact	Jason A. Roudebush
Position/Title	Water Resource Specialist
Email	<a href="mailto:jroudebush@ducks.org">jroudebush@ducks.org</a>
Phone	970.231.8317
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

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

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Ducks Unlimited, Inc. is a member organization structured under section 501(c)(3). The organization was created in 1937 for the conservation of North America's waterfowl and its habitat. Ducks Unlimited conserves, restores, and manages wetlands and associated habitats for North America's waterfowl. These habitats also benefit other wildlife and people. DU is the world's leader in wetland conservation, having conserved more than 14 million acres across the continent. DU's Colorado Field Office in Fort Collins employs experts in biology, engineering, hydrology, water law, agricultural economics, and land protection. Our experience in the region, network of landowners and partners, fundraising capabilities, and diverse skillsets position DU to effectively deliver multi-beneficial projects in this important focus landscape.

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

Category of Water Project (check all that apply and include relevant tasks)
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X	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>	
	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>	
	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>	
	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>	
X	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>	
X	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>	
X	Other	Explain: Wildlife conservation

### Location of Water Project

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

County/Countries	Jackson County, CO
Latitude	
Longitude	

### Water Project Overview

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

The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.

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## Water Project Overview

The goal of this multi-purpose water project is to rehabilitate irrigation infrastructure (diversion, delivery, and storage) tied to critical wildlife habitat acres and productive ranchlands in North Park Colorado. One of the largest threats in this landscape is the loss of irrigated hay meadows on private lands. While this threat is multifaceted, a primary driver is aging infrastructure which hinders usability and overall effectiveness in terms of applied acres. The loss of irrigated hay fields can have direct impacts on the viability of private operations and the economic well-being of the local community. Secondly, reduced application of decreed irrigation water can permanently threaten private water rights and associated beneficial uses.

Through this project, DU will rehabilitate irrigation infrastructure on at least three tracts of land in the Park through June of 2020. With over 20 years of project delivery in the Park, we have developed relationships with a network of landowners, supplemented by the thunderstorm map of priority areas to identify tracts. Our partners will include CPW and the Colorado Cattlemen's Agricultural Land Trust.

Deliverables include: head-gate replacement and rehabilitation with new inverted rock vane structures, the installation of beaver compatible engineering solutions, the installation of water measurement equipment, ditch rehabilitation, water-control structure replacement and rehabilitation, the construction of new feeder ditch systems and the construction of shallow-water impoundments. These activities will increase capacity, improve efficiencies and ease operational requirements for the systems delivering water to the wet meadows of North Park.

## Measurable Results

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

n/a	New Storage Created (acre-feet)
2,000 (est. 2.0 ft/ acre)	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)
1,000	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

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Measurable Results		
	Other	Explain:

Water Project Justification
<p>Provide a description of how this water project supports the goals of <a href="#">Colorado's Water Plan</a>, the most recent <a href="#">Statewide Water Supply Initiative</a>, and the applicable Roundtable <a href="#">Basin Implementation Plan</a> and <a href="#">Education Action Plan</a>. 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><b>North Platte BIP</b></p> <p>This irrigation infrastructure improvement project directly addresses 3 of the 8 goals set forth in the North Platte BIP:</p> <p><b>Goal 3</b> -Continue to restore, maintain, and modernize critical water infrastructure to preserve current uses and increase efficiencies.</p> <p><b>Goal 4</b> - Maintain healthy rivers and wetlands through the strategic implementation of projects that meet prioritized non-consumptive needs.</p> <p><b>Goal 6</b> - Promote water rights protection and management through improved streamflow gaging data.</p> <p>It also addresses a specific agricultural need identified in the BIP, where:</p> <p><i>"Interviews with agricultural water users during outreach meetings and NPBRT meetings highlighted issues with aging or non-functional infrastructure, resulting in historically irrigated acreage that has not been irrigated in several years. Feedback also highlighted concerns over the amount of acreage currently irrigated and potential long-term implications of irrigating less than the maximum acreage allowed under the Equitable Apportionment Decree."</i></p>
<p><b>Colorado Water Plan</b></p> <p>This project directly addressed several Critical Action Items set forth in Section 10.3 of the Colorado Water Plan. The measurable results will move the needle forward on the following items:</p> <p><b>A. Supply-Demand Gap</b> – assists the Basin Roundtables in moving forward priority agricultural infrastructure improvements that also greatly benefit the environment.</p> <p><b>D. Agriculture</b> – maintains agricultural viability and productive rural economies by ensuring irrigable land is not lost to abandoned water rights. Supports agricultural efficiencies through the rehabilitation of dilapidated infrastructure and measurement devices.</p> <p><b>F. Watershed Health, Environment, Recreation</b> – infrastructure improvements will allow critical wet meadow habitat to be maintained. Meadow irrigation is directly linked to healthy riparian and wetland habitat in the Park, which supports numerous species of local and migratory wildlife. North Park is now recognized as one of the most important waterfowl production areas in the state. Currently, tens of thousands of ducks utilize North Park to breed and rear their young which has resulted in a robust recreational economy.</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.

The related 2010 study (referenced in Previous CWCB Grants, Loans, Other Funding section), was supported by the CWCB and other partners.

### 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

The first phase of work was initiated in 2010 and supported by the Colorado Water Conservation Board (Water Supply Reserve Account Grant), Colorado Parks and Wildlife (CPW), North American Wetlands Conservation Act (NAWCA), and a host private landowners. This initial phase concentrated on planning and outreach, producing a spatially-explicit thunderstorm map of priority irrigated meadows and potential project sites. Significant landowner engagement and site assessments also took place. With remaining funds, infrastructure improvements were made on one private ranching operation and two high-value publicly-managed properties. DU is now looking to partner on the implementation of Phase II of the irrigated meadows work, through this grant application.

### 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 <a href="#">Standard Contract</a> .
Exhibit A	
x	Statement of Work <sup>(1)</sup>
x	Budget & Schedule <sup>(1)</sup>
	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
	Letters of Support (Support letter from Basin Roundtable encouraged)
x	Certificate of Insurance (General, Auto, & Workers' Comp.) <sup>(2)</sup>
x	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.

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Colorado Water Conservation Board
Water Plan Grant - Exhibit A

Statement Of Work	
<b>Date:</b>	09/27/2017
<b>Name of Applicant:</b>	Ducks Unlimited, Inc.
<b>Name of Water Project:</b>	North Park Wet Meadows irrigation Infrastructure Rehabilitation
<b>Funding Source:</b>	Ducks Unlimited, CWP Funds
<p><b>Water Project Overview:</b> 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 goal of this multi-purpose water project is to rehabilitate irrigation infrastructure (diversion, delivery, and storage) tied to critical wildlife habitat acres and productive ranchlands in North Park Colorado. One of the largest threats in this landscape is the loss of irrigated hay meadows on private lands. While this threat is multifaceted, a primary driver is aging infrastructure which hinders usability and overall effectiveness in terms of applied acres. The loss of irrigated hay fields can have direct impacts on the viability of private operations and the economic well-being of the local community. Secondly, reduced application of decreed irrigation water can permanently threaten private water rights and associated beneficial uses.</p> <p>DU has been leading efforts with partners to sustain and even expand irrigated wet meadow acreage in the Park. The first phase of work was initiated in 2010 and supported by the CWCB (WSRF Grant), Colorado Parks and Wildlife (CPW), North American Wetlands Conservation Act (NAWCA), and a host private landowners. This initial phase concentrated on planning and outreach, producing a spatially-explicit decision support tool of priority irrigated meadows and potential project sites. Significant landowner engagement and site assessments also took place. With remaining funds, infrastructure improvements were made on one private ranching operation and two high-value publicly-managed properties. DU will now initiate Phase-II of the work, which includes hard infrastructure rehabilitation and improvements.</p>	
<p><b>Objectives:</b> List the objectives of the project.</p>	

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Through this project, DU will enter into long-term site-specific agreements with each landowner and perform hard irrigation infrastructure improvements that include: Head-gate replacement and rehabilitation with new inverted rock vane structures, the installation of beaver compatible engineering solutions, the installation of water measurement equipment, ditch rehabilitation, water-control structure replacement and rehabilitation, the construction of new feeder ditch systems and the construction of shallow-water impoundments.

Our partners on this project include CPW, Colorado Cattlemen's Agricultural Land Trust, and the U.S. Fish & Wildlife Service.

Tasks	
Provide a detailed description of each project task using the following format:	
<b>Task 1 – Execute Site-Specific Agreements with Partners</b>	
Description of Task:	
<p>All infrastructure investments will be accompanied by a long-term site-specific agreement where the landowners acknowledge basic irrigation management obligations where waterfowl are explicitly referenced. In Task-1, Ducks Unlimited will draft and execute long-term agreements with each landowner and make available the documentation to the CWCB. The agreements ensure the investment by the CWCB and DU has lasting impact.</p>	
Method/Procedure:	
<p>Ducks Unlimited Attorneys and Land Protection Specialists will draft site-specific agreements that will be executed between the landowners and Ducks Unlimited (on behalf of the CWCB).</p>	

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Tasks
Grantee Deliverable: Describe the deliverable the grantee expects from this task
A fully executed long-term agreement between the landowner and Ducks Unlimited, protecting the infrastructure investment.
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
As part of the final deliverable Ducks Unlimited will provide the CWCB with copies of the executed agreements.

Tasks
Provide a detailed description of each task using the following format:
<b>Task 2 – Infrastructure Rehabilitation &amp; Improvements</b>
Description of Task:
<p>Head-gate replacement and rehabilitation with inverted rock vane structures on Richards State Wildlife Area and Arapaho National Wildlife Refuge (see supplemental maps and photos). We will also be rehabilitating the outlet structure on the Boetcher Lake (currently unusable) so that the Boetcher lake water rights do not become abandoned. These rights and the downstream network of irrigated meadows are at high risk of abandonment.</p> <p>Additionally, we will be installing water measurement equipment, and rehabilitating ditches such that all decreed water rights and irrigable land can be utilized to their full potential. We will also be rehabilitating feeder ditch systems and the construction of shallow-water impoundments. These activities will increase capacity, improve efficiencies and ease operational requirements for the systems delivering water to the wet meadows of North Park. In total, the work will positively impact 1,000 acres of irrigated meadows critical to working ranchlands and waterfowl.</p>
Method/Procedure:

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Tasks
<p><b>Task 3:</b> Final report to CWCB will include the site-specific agreements, engineering plans, post construction pictures, metrics outlining irrigable lands conservation.</p>
<p>Grantee Deliverable: Describe the deliverable the grantee expects from this task</p>
<p>CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task</p>

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

Budget and Schedule
<p>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.</p>

Reporting Requirements
<p><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. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.</p>

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## Reporting Requirements

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

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

The CWCB will 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: 9/28/2017

Name of Applicant: Ducks Unlimited, Inc.

**Name of Water Project: North Park Wet Meadows Irrigation Infrastructure Rehabilitation**

<b>Task No.</b>	<b>Task Description</b>	<b>Start Date<sup>(1)</sup></b>	<b>End Date</b>	<b>Grant Funding Request</b>	<b>Match Funding</b>	<b>Total</b>
1	Site-specific agreements (long-term)	May-18		5,000	5,000	\$10,000
2	Infrastructure Rehabilitation			\$145,000	\$145,000	\$290,000
3	Reporting to CWCB		June 2020		\$2,000	\$2,000
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
<b>Total</b>				\$150,000	\$152,000	\$302,000

(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

The applicant shall provide a progress report 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