



Last Update: September 18, 2020

Colorado Water Conservation Board
Water Supply Reserve Fund Grant Application

Instructions
<p>All WSRF grant applications shall conform to the current 2020 WSRF Criteria and Guidelines.</p> <p>To receive funding from the WSRF, a proposed water activity must be recommended for approval by a Roundtable(s) AND the approved by the Colorado Water Conservation Board (CWCB). The process for roundtable consideration and recommendation is outlined in the 2020 WSRF Criteria and Guidelines. The CWCB meets bimonthly.</p> <p>If you have questions, please contact the WSRF Grant Program Manager (for all Roundtables) or your Roundtable Liaison:</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>Ben Wade ben.wade@state.co.us 303-866-3441 x3238 (office)</p> </div> <div style="text-align: center;"> <p>Sam Stein Sam.stein@state.co.us 303-866-3441 (office)</p> </div> </div>

WSRF Submittal Checklist (Required)
<p>YES <input type="checkbox"/> NO <input type="checkbox"/> This request was recommended for CWCB approval by the sponsoring roundtable.</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> I have read and understand the 2020 WSRF Criteria and Guidelines.</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Grantee will be able to contract with CWCB using the Standard Contract.¹</p> <p style="text-align: center; margin-top: 20px;">Application Documents included:</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Exhibit A: Statement of Work</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Exhibit B: Budget & Schedule</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Letters of Matching Commitments (Town of Oak Creek 25% matching funds)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Exhibit C: Map²</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Photos/Drawings/Reports (CWCB Feasibility Study, January 2021)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Letters of Support (Routt County Commissioners)</p> <p style="text-align: center; margin-top: 20px;">Contracting Documents³</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Detailed/Itemized Budget³ (<i>Excel Spreadsheet – see Template</i>)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Certificate of Insurance⁴ (<i>General, Auto, & Workers’ Comp.</i>)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Certificate of Good Standing⁽⁴⁾</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> W-9 Form⁴</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Independent Contractor Form⁴ (<i>If applicant is individual, not company/organization</i>)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Electronic Funds Transfer (ETF) Form⁴</p>

¹Click “Grant Agreements”. For reference only/do not fill out or submit/required for contracting

² See “Exhibit C” for a map of the General Location.

³Additional 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	October 1	Basin Account
March	December 1	Basin/Statewide Account/Water Plan Grant Match ¹
May	February 1	Basin Account
July	April 1	Basin Account
September	June 1	Basin/Statewide Account
November	August 1	Basin Account

¹ If either the basin or statewide match includes matching funds from a pending Water Plant Grant, both must be submitted by December 1st deadline for March Board meeting review.

Water Activity Summary		
Name of Applicant	Town of Oak Creek	
Name of Water Activity	Sheriff Dam Rehabilitation – Advanced Hydrology and Gate Replacement	
Approving Roundtable(s)	Basin Account Request(s) ¹	
Yampa White Green Basin Roundtable	\$73,750	
Basin Account Request Subtotal	\$73,750	
Basin Account Request Subtotal Approved by Roundtable	\$73,750	
Statewide Account Request ⁽¹⁾	\$ - N/A -	
Total WSRF Funds Requested (Basin & Statewide)	\$73,750	
Total Project Costs	\$295,000	

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

Grantee and Applicant Information	
Name of Grantee(s)	Town of Oak Creek
Mailing Address	129 Nancy Crawford Blvd. P.O. Box 128 Oak Creek, CO 80467



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Grantee and Applicant Information	
FEIN	
Grantee's Organization Contact¹	David Torgler
Position/Title	Town Administrator/Clerk
Email	david@townofoakcreek.com
Phone	970-736-2422
Grant Management Contact²	Sandy Jacobs
Position/Title	Treasurer
Email	sandy@townofoakcreek.com
Phone	970-736-2422
Name of Applicant (if different than grantee)	N/A
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).
<p>The Town of Oak Creek (Town) is a municipality located in located in Routt County with a population of 944 people. The sole source of water storage for the Town is provided by Sheriff Dam. Sheriff Dam and the storage water rights associated with the reservoir are owned by the Town. Sheriff Dam is located in Rio Blanco County on Trout Creek.</p>

Type of Eligible Entity (check one)	
X	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.
	Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises



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Type of Eligible Entity (check one)	
<input type="checkbox"/>	Private Incorporated: mutual ditch companies, homeowners' associations, corporations
<input type="checkbox"/>	Private Individuals, Partnerships, and Sole Proprietors: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
<input type="checkbox"/>	Non-governmental organizations: broadly, any organization that is not part of the government
<input type="checkbox"/>	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
<input type="checkbox"/>	Study
<input checked="" type="checkbox"/>	Implementation

Category of Water Activity (check all that apply)		
<input checked="" type="checkbox"/>	Nonconsumptive (Environmental)	
<input checked="" type="checkbox"/>	Nonconsumptive (Recreational)	
<input checked="" type="checkbox"/>	Agricultural	
<input checked="" type="checkbox"/>	Municipal/Industrial	
<input checked="" type="checkbox"/>	Needs Assessment	
<input type="checkbox"/>	Education & Outreach	
<input type="checkbox"/>	Other	Explain:

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Sheriff Dam (Rio Blanco County)/ Town of Oak Creek (Routt County)
Latitude	40.1488
Longitude	-107.1368

Water Activity Overview
<p>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.</p> <p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.</p>



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Water Activity Overview
<p>Sheriff Reservoir provides the sole source of water storage for the Town of Oak Creek (population 944), who owns the dam and water rights in the reservoir. Sheriff reservoir provides recreational benefits to Routt/Rio Blanco Counties in through fishing, camping, hiking, kayaking, hunting, and wildlife viewing. Releases from Sheriff Reservoir to Oak Creek through the Rich Ditch help minimum flows in Trout Creek/Oak Creek through public lands in the Routt National Forest and flows for agricultural use.</p> <p>Significant dam safety issues have been identified at this 67-year-old dam, including inadequate spillway capacity and sinkholes in the dam's foundation (temporarily repaired) which need a permanent solution. The outlet works gate stem and gate are failing due to the age of the equipment, which is as old as the dam, and need to be replaced.</p> <p>A CWCB Loan Feasibility report indicates a rehabilitation cost of \$13 million. The key cost driver is the increased spillway size. The Town would utilize the WSRF to work with the DWR to optimize mountain hydrology and refine the rehabilitation design potentially reducing the project cost by millions of dollars. WSRF funding would also be used to replace the outlet gate in 2021.</p>

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	
987 AF, Reservoir Storage	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
37 Acres, Reservoir Surface Area	Area of Restored or Preserved Habitat (acres)	
	Length of Pipe/Canal Built or Improved (linear feet)	
X	Other	Explain: Water released from the reservoir enhances stream flows in Trout Creek and Oak Creek and fisheries in the Routt National Forest. Stream flows also provide additional agricultural water in Routt County.

Water Activity Justification
<p>Provide a description of how this water activity supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the respective roundtable Basin Implementation Plan and Education Action Plan ⁽¹⁾. 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 2020 WSRF Criteria and Guidelines).</p>



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Water Activity Justification

Measurable objectives in the Colorado Water Plan (CWP) Executive Summary which are addressed by this water activity are the Supply-Demand Gap and Storage. By not requiring Sheriff Dam operate at a reservoir restriction or be drained for dam safety concerns, working to rehabilitate Sheriff Dam will preserve 987 acre-feet of existing storage and not set the Supply-Demand Gap and additional storage goals further behind.

Another measurable objective from the CWP Executive Summary addressed by this water activity is the objective for Watershed Health, Environment and Recreation. Maintaining storage in Sheriff Dam provides recreation for Rio Blanco and Routt Counties. The reservoir itself is used for fishing, camping, hiking, kayaking, stand-up paddling, horseback riding, hunting, and wildlife viewing. Water released from the reservoir enhances the fishery in the Routt National Forest along Trout Creek as well as in-stream flows in Oak Creek.

Chapter 4: Water Supply of the CWP identifies “The Role of Storage” on page 4-14 as “*being critical to the ability to maintain stable water supplies*”. Additionally, water storage infrastructure is identified as supporting “*all types of use—including agricultural, environmental, municipal, and industrial—in periods of drought; complying with interstate compacts; and augmenting stream systems to allow water use by water users that would otherwise not have a right to divert under the prior appropriation system.*” Rehabilitation of Sheriff Dam will ultimately serve these purposes by preserving the reservoir’s function as water storage for spring runoff which is later released as a supply source for the Town of Oak Creek in drier summer months. The instream flow right in Trout Creek below Sheriff Dam is very junior compared to the Town of Oak Creek’s water rights, but will benefit from releases made at Sheriff Dam for the Town of Oak Creek. Additionally, agriculture water needs will also benefit from releases made in drier months as more flow will be present in both Trout Creek and Oak Creek.

The Yampa White Green (YWG) Basin Implementation Plan (BIP) Executive Summary includes eight goals to meet future water demands of the YWG basin. This water activity address several of the goals which are listed below along with how this water activity helps to address the goal.

- Improve agricultural water supplies to increase irrigated land and reduce shortages: The 987 acre-feet of storage which would be preserved through the rehabilitation of Sheriff Dam is decreed for irrigation as well as municipal uses.
- Identify and address Municipal and Industrial (M&I) water shortages: Without supplemental water storage, during dry years the Town of Oak Creek may require additional water beyond what is available to divert in Oak Creek presenting a potential water shortage. Any future growth of the Town of Oak Creek would increase the potential for water shortages. Preservation of Sheriff Dam would help reduce the risk of M&I water shortages for the Town.
- Quantify and protect non-consumptive water uses: Non-consumptive water uses such as recreation opportunities like fishing and kayaking are provided by Sheriff Reservoir, along with enriched fish habitat along Trout Creek and Oak Creek made possible by late summer and fall reservoir releases.
- Restore, maintain, and modernize water storage and distribution infrastructure: The rehabilitation of Sheriff Dam would be completed using the standards set by the Colorado Division of Water Resources *Rules and Regulations for Dam Safety and Dam Construction*.
- Develop an integrated system of water use, storage, administration and delivery to reduce water shortages and meet environmental and recreational needs: Water releases from Sheriff Dam during dry months would supplement natural stream flows below Sheriff Dam which would be a benefit to water shortages for environmental and recreational needs along Trout Creek and Oak Creek and through public Lands in the Routt National Forest.

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



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Matching Requirements: Basin Account Requests	
Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3 rd party and shall be accompanied by a letter of commitment as described in the 2020 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)
Town of Oak Creek	\$73,750 – cash matching funds
DOLA Grant (secured)	\$147,500
Total Match	\$221,250
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Matching Requirements: Statewide Account Requests	
Statewide Account grant requests require a 50% match as described in the 2020 WSRF Criteria and Guidelines . At least of 10% of the required Statewide Account Grant request match shall be cash from Basin Account funds whether that is from one or multiple basins; and the remaining 40% of the required match may be provided from any source, including other grants, cash from the Basin Account, or any combination of cash, in-kind services, or in-kind materials, and shall be accompanied by a letter of commitment . 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).	



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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.

A Feasibility Study and Report was prepared by W. W. Wheeler and Associates, Inc. (Wheeler) for the Town of Oak Creek, Colorado and the Colorado Water Conservation Board (CWCB) and was completed in January of 2021. This report documents the feasibility and financing for rehabilitation of the Town's Sheriff Dam. The high rehabilitation costs from the feasibility study identified the need for additional advanced hydrology to try and reduce spillway construction costs, as well as led to the discovery and temporary repair of sinkholes in the glacial moraine foundation which would need to be addressed in the rehabilitation construction.

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

A Colorado Water Conservation Board grant was provided to complete the Feasibility Study for the Sheriff Dam Rehabilitation

1. Applicant name: Town of Oak Creek
2. Water Activity Name: Loan Feasibility Study Grand Sheriff Lake Rehab
3. Approving RT(s): N/A
4. CWCB board meeting date: N/A, Approval was provided by executive director
5. Purchase Order: POGG1,PDAA,201900002258

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

**Water Supply Reserve Fund
Water Activity Summary Sheet
July 21-22, 2021
Consent Agenda Item 2(c)**

Applicant & Grantee: Town of Oak Creek

Water Activity Name: Sheriff Dam Rehabilitation - Advanced Hydrology and Gate Replacement

Water Activity Purpose: Agricultural, Municipal/Industrial, Needs Assessment, Nonconsumptive (Environmental & Recreational) - Implementation

County: Rio Blanco & Routt Counties

Drainage Basin: Yampa River

Water Source: Sheriff Dam/Oak & Trout Creeks

Amount Requested: \$73,750 Yampa/White/Green Basin Account
\$73,750 Total Request

Matching Funds: **Basin Account Match = \$221,250 (cash)**

- 75% of Total Project Cost (meets 25% min)

Staff Recommendation:
Staff recommends approval of up to \$73,750 from the Yampa-White-Green Basin Account to help fund the project: Sheriff Dam Rehabilitation - Advanced Hydrology and Gate Replacement

Water Activity Summary: Sheriff Reservoir provides the sole source of water storage for the Town of Oak Creek (population 944), who owns the dam and water rights in the reservoir. Sheriff Reservoir provides recreational benefits to Routt and Rio Blanco Counties through fishing, camping, hiking, kayaking, hunting, and wildlife viewing. Releases from Sheriff Reservoir to Oak Creek through the Rich Ditch help minimum flows in Trout Creek and Oak Creek through public lands in the Routt National Forest and flows for agricultural use.

Significant dam safety issues have been identified at this 67-year-old dam, including inadequate spillway capacity and sinkholes in the dam's foundation which have been temporarily repaired but need a permanent solution. The outlet works gate stem and gate are failing due to the age of the equipment, which is as old as the dam, and need to be replaced.

A CWCB Loan Feasibility report indicates a rehabilitation cost of \$13 million. The key cost driver is the increased spillway size. If approved, the Town would utilize WSRF funds to

work with the Division of Water Resources to optimize mountain hydrology and refine the rehabilitation design potentially reducing the project cost by millions of dollars. WSRF funding would also be used to replace the outlet gate.

Discussion: The dam rehab proposal is consistent with the Yampa-White-Green Roundtable's Basin Implementation Plan, in particular, its goals of identifying & addressing the M&I water shortages; quantify and protect non-consumptive water uses; restore, maintain and modernize water storage, administration and delivery to reduce water shortages and meet environmental and recreational needs; and the project provides for multiple beneficiaries for the Basin.

Issues/Additional Needs: No issues or additional needs have been identified.

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Sources/Match	Cash	In-Kind	Total	Status
Town of Oak Creek	\$73,750	\$0	\$73,750	Secured
Dept of Local Affairs	\$147,500	\$0	\$147,500	Secured
Sub-Total Matching Funds	\$221,250	\$0	\$221,250	
WSRF Yampa-White-Green Basin Account	\$73,750	\$0	\$73,750	Secured
Total Project Costs	\$295,000	\$0	\$295,000	

CWCB Project Manager: Matt Stearns



March 24, 2021

Colorado Water Conservation Board
Water Supply Planning Section
WSRF Application
1313 Sherman Street, Room 718
Denver, CO 80203

RE: Town of Oak Creek, Sheriffs Reservoir Rehabilitation

The Yampa White Green (YWG) Basin Roundtable approved funding of \$73,750 from the YWG Basins Roundtable account for the Town of Oak Creeks Sheriffs Reservoir Rehabilitation. The application was considered fully and unanimously approved by the YWG Basin Roundtable at the March 10, 2021 meeting. There was a quorum of members present at the meeting.

As summarized within the grant application, the Water Activity purpose of the Sheriffs Reservoir Rehabilitation project is to update hydrology and hydrologic hazard classification reports, design and construct outlet gate replacement, determine potential failure modes for the reservoir and to update the financial plan for the rehabilitation of the reservoir.

The overall project aligns and aids in achieving YWG Basin Implementation Plan goals including, but not limited to: a) identify and address M&I water shortages; b) quantify and protect non-consumptive water uses; c) restore, maintain and modernize water storage and distribution infrastructure; d) develop an integrated system of water use, storage, administration and delivery to reduce water shortages and meet environmental and recreational needs; and the e) project provides for multiple beneficiaries.

The project has the support of the Routt County and the local water district to move forward with designs to repair the reservoir that ultimately is for the benefit for the Town of Oak Creek and the recreational users of Sheriffs Reservoir.

For additional assistance please contact me at (970) 629-2525 or aldenvb@yahoo.com.

A handwritten signature in blue ink that reads 'Alden Vanden Brink'.

Alden Vanden Brink
Yampa - White - Green Basin Roundtable, Chair