



## COLORADO

### Colorado Water Conservation Board

Department of Natural Resources

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**TO:** Colorado Water Conservation Board Members

**FROM:** Ben Wade & Dori Vigil  
Grants Section

**DATE:** March 20, 2025

**AGENDA ITEM:** Agenda Item #21 a-k, Water Supply Reserve Fund, Grant Funding Recommendations

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#### Staff Recommendation - Action Items: WSRF Grant Requests:

A summary of staff's recommendation for each WSRF application are provided in the first component of the attached table.

Favorable recommendations may be contingent on providing the CWCB with additional information, clarifications, or modifications in the scope of work. Please refer to the Water Activity Summary Sheets contained within this agenda item to find a summary of staff's review and any conditions associated with each recommendation.

#### Background:

For this agenda item, the Board is provided with a brief overview of applications to the Water Supply Reserve Fund (WSRF). Attachments to this memo include:

- Summary spreadsheet detailing funding requests for the basin and statewide accounts.
- Summary spreadsheet displaying current WSRF Balance Summary of Fund Appropriations and Receipts by Fiscal Year, and Fund Distribution by Basin and Statewide Account.
- Water Activity Summary Sheets, which provide an overview, discussion, issues/additional needs, and staff recommendation regarding funding, partial funding, or not funding the applications.

Staff's review of the applications involves the following steps:

- 1) Applications are reviewed for completeness based on the information requirements, verify that the water activity meets the eligibility requirements and also verifies that the applicant was an eligible entity to receive funding which are primarily outlined in the Grant Guidelines.
- 2) Staff then prepares the Water Activity Summary Sheet which documents the outcome of the review process and contains staff's recommendations.



**Water Supply Reserve Fund Balance Summary and Project Status Report:**

To provide the Board updates on the status of specific Water Supply Reserve Fund grant applications and projects, staff can provide a status report of the following information upon request:

- List of completed WSRF projects;
- List of WSRF projects in progress; and
- List of WSRF projects in the contracting and procurement process.

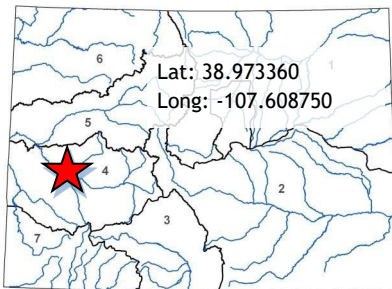


Water Supply Reserve Fund Applications for Consideration at the March 2025 CWCB Board Meeting													Basin Only Request Match % (min 25%)	Statewide Match % (Basin min 10%/applicant Match min 15% vs Total Project Cost)	PM	Grants Portal ID
Agenda Item	Statewide Project Category	Basin	Applicant/Grantee	Name of Water Activity	Basin(s) Account Request	Statewide Account Requests	RT Recommended Amount	Non-WSRF Cash Match	Non-WSRF In-Kind Match	Non-WSRF Total Match	Statewide Match (Basin & Non-WSRF)	Total Project Costs				
Agenda Item 21a	Aging Infrastructure	Gunnison	Terror Ditch & Reservoir Company	Terror Ditch Pipeline Project	\$50,000	\$215,000	\$265,000	\$730,306	\$0	\$730,306	\$780,306	\$995,306	N/A	78.40%	Joshua	App-02715
Agenda Item 21b	Drought Resiliency	Metro	City of Aurora	Inaugural Airborne Snow Observatories Surveys in the Upper South Platte Basin	\$120,168	\$294,168	\$414,336	\$304,500	\$43,000	\$347,500	\$467,668	\$761,836	N/A	61.39%	Erik	App-02680
Director's Report	N/A	Metro	Cutthroat Chapter Trout Unlimited	Gill Trail Restoration Pilot Project	\$40,000	\$0	\$40,000	\$206,000	\$116,352	\$322,352	N/A	\$362,352	88.96%	N/A	Andrea	App-02618
Agenda Item 21c	Drought Resiliency	Metro	Republican River Water Conservation District	South Fork Republican River Bonny Dam Subsurface Sediment Drainage	\$41,250	\$198,000	\$280,500	\$19,500	\$30,000	\$49,500	\$132,000	\$370,000	N/A	35.68%	Zach	App-02661
		South Platte			\$41,250											
Agenda Item 21d	Drought Resiliency	Rio Grande	Colorado Rio Grande Restoration Foundation	Rio Grande Basin ASO Project	\$116,800	\$676,596	\$793,396	\$375,000	\$0	\$375,000	\$491,800	\$1,168,396	N/A	42.09%	Erik	App-02695
Agenda Item 21e	Drought Resiliency	Rio Grande	Colorado Rio Grande Restoration Foundation	Waterwise Landscaping Partnership	\$37,900	\$284,250	\$322,150	\$56,850	\$0	\$56,850	\$94,750	\$379,000	N/A	25.00%		App-02696
Agenda Item 21f	Aging Infrastructure	Rio Grande	San Luis Valley Irrigation District	Farmers Union Canal 1-D Bay Bridge Replacement	\$35,777	\$261,528	\$297,305	\$60,466	\$0	\$60,466	\$96,243	\$357,771	N/A	26.90%	Zach	App-02679
Director's Report	Aging Infrastructure	South Platte	Sedgwick County Well Users	Sedwick County Well Users Efficiency Improvements	\$16,669	\$16,668	\$33,337	\$33,337	\$0	\$33,337	\$50,006	\$66,674	N/A	75.00%	Ben	App-02656
Agenda Item 21g	Aging Infrastructure	South Platte	Sterling Irrigation Company	Sterling No 1 Ditch Bypass Structure Replacement	\$50,000	\$350,000	\$400,000	\$734,725	\$0	\$734,725	\$784,725	\$1,134,725	N/A	69.16%	Zach	App-02657
Agenda Item 21h	Aging Infrastructure	Southwest	Lone Cone Ditch & Reservoir Company	Lone Cone Reservoir Rehabilitation - Phase 2: Construction	\$46,548	\$323,452	\$370,000	\$95,548	\$0	\$95,548	\$142,096	\$465,548	N/A	30.52%	Joshua	App-02648
Agenda Item 21i	Aging Infrastructure	Southwest	Farmers Water Development Company	Gurley Dam 2nd Slip Repair	\$32,401	\$111,640	\$144,041	\$88,908	\$90,562	\$179,470	\$211,871	\$323,511	N/A	65.49%	Joshua	App-02534
Agenda Item 21j	Aging Infrastructure	YWG	White River Conservation District	Oak Ridge Park Ditch Stream Crossings	\$25,000	\$134,500	\$159,500	\$66,000	\$0	\$66,000	\$91,000	\$225,500	N/A	40.35%	Zach	App-02714
Agenda Item 21k	Aging Infrastructure	YWG	Town of Oak Creek	Sheriff Reservoir Dam Rehabilitation Spillway and Embankment Improvements Phase	\$67,333	\$437,665	\$504,998	\$168,332	\$0	\$168,332	\$235,665	\$673,330	N/A	35.00%	Zach	App-02634
Consent Agenda 3a	N/A	YWG	Yampatika	Yampatika Youth & Community Water Education	\$99,724	\$0	\$99,724	\$54,500	\$113,175	\$167,675	N/A	\$267,399	62.71%	N/A	Ben	App-02626
					\$770,820	\$3,303,467	\$4,124,287									
				Basin	Basin Account Requests	Statewide Account Requests	Total Requests									

Arkansas Basin	\$0	\$0	\$0
Colorado Basin	\$0	\$0	\$0
Gunnson Basin	\$50,000	\$215,000	\$265,000
Metro	\$201,418	\$492,168	\$693,586
North Platte	\$0	\$0.00	\$0
Rio Grande	\$190,477	\$1,222,374	\$1,412,851
Southwest	\$78,949	\$435,092	\$514,041
South Platte	\$107,919	\$366,668	\$474,587
Yampa/White/Green	\$192,057	\$572,165	\$764,222
Water Supply Reserve Fund Total Requests	\$820,820	\$3,303,467	\$4,124,287



## Water Supply Reserve Fund Grant Application



LOCATION	
<b>County:</b>	Delta
<b>Basin:</b>	Gunnison

DETAILS	
<b>Total Project Cost:</b>	\$915,426
<b>*WSRF Total Project Cost:</b>	\$500,000
<b>Total WSRF Grant Request:</b>	\$265,120
<b>Gunnison Basin Account Request:</b>	\$50,000
<b>Statewide Account Request:</b>	\$215,120
<b>Recommended Amount:</b>	\$0
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$550,306
<b>Applicant Match:</b>	\$100,000
<b>Project Type:</b> Construction/Implementation	
<b>Water Use Type:</b> Agricultural	
<b>Statewide Category:</b> Aging Infrastructure	
<b>Measurable Result:</b> 5,585 feet of pipe built; 217-acre feet of annual efficiency savings	

The Terror Ditch and Reservoir Company provides irrigation water to 500 acres for 50 residents and shareholders on Garvin Mesa near the Town of Paonia in Delta County.

The Terror Ditch is over 100 years old and 5,585 feet of the ditch rests along a narrow cliff. After decades of erosion, this section has been prone to landslides and is in danger of collapsing along the steep grade. In addition to being prone to landslides, this section of the ditch is deteriorating due to seepage.

The overall project includes raising the crest of the current concrete diversion structure, installing an overshot gate, ramp flume, trash rack, slide gate, and a concrete canvas liner to repair the seepage issue. For the main portion of the overall project, the ditch company will use WSRF grant funds to purchase the 5,585 feet of 24" PVC Pipe. Matching funds will help the ditch company complete the project. Once fully implemented, the ditch company estimates the infrastructure improvements will result in 217-acre feet of efficiency savings per year.

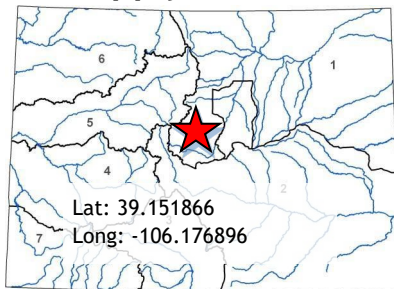
The ditch company's hired engineering firm has completed a 60% design of the project. The Colorado River District and the National Resource Conservation Service (NRCS) are financial contributors. NRCS is providing \$550,306 (contracted) for the overall project and the ditch company will coordinate with them on the final design and construction management.

The project is listed in the Gunnison Basin Implementation Plan and meets the goals of repairing aging water infrastructure, providing irrigation water efficiency and improving water quality by reducing salinity.

**Funding Recommendation:** Staff recommends approval of up to \$50,000 from the Gunnison Basin Account and up to \$215,120 from the Statewide Account.



## Water Supply Reserve Fund Grant Application



LOCATION	
<b>County:</b>	Park
<b>Basin:</b>	South Platte

DETAILS	
<b>Total Project Cost:</b>	\$761,836
<b>Total WSRF Grant Request:</b>	\$414,336
<b>Metro Basin Account Request:</b>	\$120,168
<b>Statewide Account Request:</b>	\$294,168
<b>Recommended Amount:</b>	\$414,341.50
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$0
<b>Applicant Match:</b>	\$347,500
<b>Project Type:</b> Study	
<b>Water Use Type:</b> Municipal	
<b>Statewide Category:</b> Drought Resiliency	
<b>Measurable Result:</b> 4 snow survey flights to provide water providers accurate measurements of snow snowpack. .	

Airborne Snow Observatory flights have been used as a tool among water providers to improve basin-wide snow measurements, advance streamflow forecasting, and link information from new snow measurement technology with water resource management practices. Accurate measurement of snowpack and remaining runoff during key times of the water year provide municipalities with better information to make informed decisions. This is vital during potential drought declarations that include water management decisions such as watering restrictions.

The City of Aurora will use WSRF funding to conduct a total of four snow survey flights: two flights each in two adjacent basins—the Upper South Platte Basin and the Upper Blue River Basin— over one year.

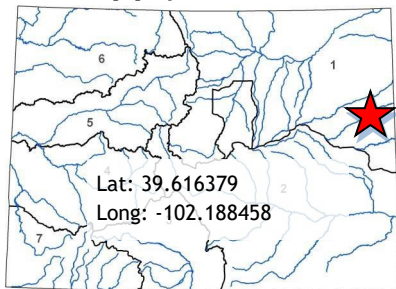
WSRF funds will also fund snowpack modeling, and streamflow forecasting using ASO data. The City of Aurora and project partners will use their matching funds to integrate the data with at least three forecasts for operational water management decisions. All ASO data is available to public use.



**Funding Recommendation:** Staff recommends approval of up to \$120,167.50 from the Metro Basin Account and up to \$294,168 from the Statewide Account.



## Water Supply Reserve Fund Grant Application



LOCATION
<b>County:</b> Kit Carson
<b>Basin:</b> South Platte

DETAILS	
<b>Total Project Cost:</b>	\$330,000
<b>Total WSRF Grant Request:</b>	\$280,500
<b>Metro Basin Account Request:</b>	\$41,250
<b>South Platte Basin Account Request:</b>	\$41,250
<b>Statewide Account Request:</b>	\$198,000
<b>Recommended Amount:</b>	\$280,500
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$0
<b>Applicant Match:</b>	\$49,500
<b>Project Type:</b> Design/Engineering	
<b>Water Use Type:</b> Agricultural	
<b>Statewide Category:</b> Drought Resiliency	
<b>Measurable Result:</b> 1,700 acres of restored or preserved habitat.	

The Bonny Dam is in the South Republican State Wildlife Area located in Kit Carson County. The dam is leased from the Bureau of Reclamation (BOR). The dam was drained in 2012 for compact compliance but currently traps water in accumulated sediments that are up to 25 feet thick and are spread over an area of 1,700 acres. The wet conditions promote dense phreatophyte growth that consumes large amounts of water and creates non-native ecological conditions that are poor for recreation. Recently, the BOR discovered that it would be required to either breach or renovate the dam itself for safety reasons.

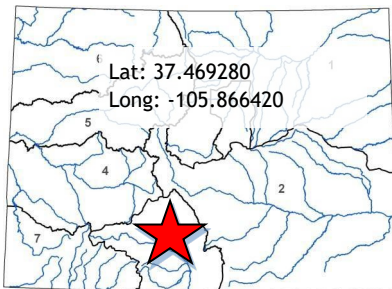
The Republican River Water Conservancy District is partnering with the South Fork Republican Restoration Coalition to design and ultimately construct a subsurface drainage system to increase river flows, conserve water, improve habitats and recreation. The proposed design work will be compatible with what the BOR plan and complement the stream restoration planning being conducted for the site.

WSRF funds will be used to conduct a geotechnical and hydrogeological investigation to assess the upstream sediment and shallow groundwater, analyze evapotranspiration effects to water budgets, and design subsurface drainage infrastructure. Once constructed, the district believes the subsurface drainage will make this Eastern Colorado floodplain habitat a more valuable site for hunting, equestrian, and general recreational use.

**Funding Recommendation:** Staff recommends approval of up to \$41,250 from the Metro Basin Account, up to \$41,250 from the South Platte Basin Account and up to \$198,000 from the Statewide Account.



## Water Supply Reserve Fund Grant Application



LOCATION
<b>Counties:</b> Alamosa, Conejos, Hinsdale, Mineral, Rio Grande, Saguache
<b>Basin:</b> Rio Grande

DETAILS	
<b>Total Project Cost:</b>	\$1,168,396
<b>Total WSRF Grant Request:</b>	\$793,396
<b>Rio Grande Basin Account Request:</b>	\$116,800
<b>Statewide Account Request:</b>	\$676,596
<b>Recommended Amount:</b>	\$793,396
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$0
<b>Applicant Match:</b>	\$375,000
<b>Project Type:</b> Construction/Implementation	
<b>Water Use Type:</b> Agricultural	
<b>Statewide Category:</b> Drought Resiliency	
<b>Measurable Result:</b> Other – “46,000 residents of the Rio Grande Basin in Colorado and the 6 million people downstream benefit from improved streamflow forecasts and Rio Grande Compact administration.”	

The Colorado Rio Grande Restoration Foundation is a non-profit organization in Alamosa whose mission is to “restore and conserve the historical functions and vitality of the Rio Grande Basin in Colorado for improved water quality, agricultural water use, riparian health, wildlife and aquatic species habitat, recreation and community safety while meeting the Rio Grande Compact”.

Water resource managers in the Rio Grande Basin experience increased difficulty in accurately measuring the snowpack across the basin and forecasting the spring runoff and streamflow in addition to the impacts of climate change, temperature, and precipitation patterns.

The proposed project is the first application approved by the Rio Grande Basin Roundtable to fund Airborne Snow Observatory (ASO) flights. The project includes funding a total of twelve flights in the headwaters of the Rio Grande River and Conejos River systems, over a three-year period and incorporating data into streamflow forecasting models.

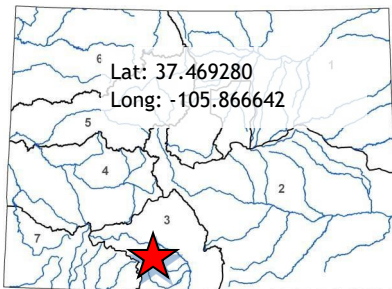
The project partners will use the network of SNOTEL stations, combined with the ASO flights to improve the streamflow forecasting. The combined data gathered from the flights and SNOTEL sites will help water managers better understand the timing and amount of expected runoff, which will help water providers adjust their management. All ASO data is publicly available.

The project aligns with four Rio Grande Basin Implementation Plan goals including maintaining aquifers with sustainable supplies for water users and habitats, maintaining vibrant and resilient agriculture, administering water in an adaptive and flexible manner to comply with state statutes and compact entitlements and engaging and informing citizens in the basin on water issues.

**Funding Recommendation:** Staff recommendations approval of up to \$116,800 from the Rio Grande Basin Account and up to \$676,596 from the Statewide Account.



## Water Supply Reserve Fund Grant Application



LOCATION
<b>Counties:</b> Conejos, Rio Grande
<b>Basin:</b> Rio Grande

DETAILS	
<b>Total Project Cost:</b>	\$379,000
<b>Total WSRF Grant Request:</b>	\$322,150
<b>Rio Grande Basin Account Request:</b>	\$37,900
<b>Statewide Account Request:</b>	\$284,250
<b>Recommended Amount:</b>	\$322,150
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$56,850
<b>Applicant Match:</b>	\$0
<b>Project Type:</b> Construction/Implementation	
<b>Water Use Type:</b> Municipal	
<b>Statewide Category:</b> Drought Resiliency	
<b>Measurable Result:</b> 3,000 Coloradans impacted by incorporating water saving actions into land use planning; 20,000 Coloradans impacted by engagement activity.	

The Colorado Rio Grande Restoration Foundation is a non-profit organization in Alamosa whose mission is to “restore and conserve the historical functions and vitality of the Rio Grande Basin in Colorado for improved water quality, agricultural water use, riparian health, wildlife and aquatic species habitat, recreation and community safety while meeting the Rio Grande Compact”.

The Waterwise Landscape Partnership project will create two waterwise demonstration sites located at a park in the Town of La Jara and at the Rio Grande Hospital in the Town of Del Norte. Turfgrass will be removed from the La Jara Park and both sites will feature low water use shrubs, trees, plants, and decorative rocks. Irrigation upgrades will also be installed at both locations. Sidewalks and picnic areas will be constructed to allow visitors to enjoy the waterwise landscaping.

The project goals include:

- Promote Water Resilience by conserving water and to encourage residents to understand the importance of and options to adapting to changes in water availability due to climate change.
- Public Education and Awareness by demonstrating the importance of water conservation and the use of drought-tolerant plants to provide appealing, low-water landscapes while showing how a waterwise landscape can reduce water costs for municipalities and homeowners.
- Serve as a model for other communities in the San Luis Valley by demonstrating leadership in water conservation and inspiring local governments to consider waterwise ordinances for their communities.

WSRF funds will be used to fund the removal of the former landscaping to prepare for the construction of the sidewalks, picnic areas, the purchase and installation of plants, trees, shrubs and irrigation materials.

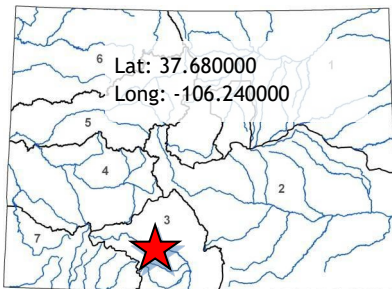
This project meets three of the five Rio Grande Basin Implementation Plan goals by helping aquifers maintain sustainable supplies for water users and wildlife habitats, maintains vibrant & resilient agricultural, recreational, municipal and industrial economies that support thriving communities, and engages and informs citizens in the basin on local, state and regional water issues.

**Funding Recommendation:** Staff recommends approval of up to \$37,900 from the Rio Grande Basin Account and up to \$284,250 from the Statewide Account.





## Water Supply Reserve Fund Grant Application



LOCATION	
<b>County:</b>	Rio Grande
<b>Basin:</b>	Rio Grande

DETAILS	
<b>Total Project Cost:</b>	\$357,771
<b>Total WSRF Grant Request:</b>	\$297,305
<b>Rio Grande Basin Account Request:</b>	\$35,777
<b>Statewide Account Request:</b>	\$261,528
<b>Recommended Amount:</b>	\$297,305
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$0
<b>Applicant Match:</b>	\$60,466
<b>Project Type:</b> Design & Construction	
<b>Water Use Type:</b> Agricultural	
<b>Statewide Category:</b> Aging Infrastructure	
<b>Measurable Result:</b> Other - The projected outcome will be to ensure surface water deliveries taken from the Rio Grande River to water users of both the Rio Grande and Farmers Union Canals be maintained well into the future.	

The San Luis Valley Irrigation District (SLVID) was organized in 1908 to provide irrigation water to landowners within a service area of the San Luis Valley that includes portions of Alamosa, Rio Grande and Saguache Counties.

The Farmers Union Canal diverts water from the Rio Grande to the lands of the district's service area. During the construction of the canal, concrete structures were built to mix in with prior constructed canals in the San Luis Valley which were owned and operated by the Rio Grande Canal Water Users Association. Because the Rio Grande Canal is senior to the Farmers Union Canal, SLVID designed concrete structures that would allow water in their canal to flow underneath the Rio Grande Canal.



The SLVID will replace one of those concrete structures called the 1-D Bay Bridge (pictured to the left) that is over 100 years old and in poor condition. The 1-D Bay Bridge is located close to the headwaters of both canals near the Rio Grande River where it sends water deliveries to all the Irrigation District's service area as well as a large portion of the Rio Grande Canal service area. WSRF

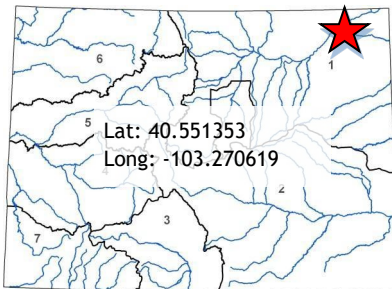
funds will be used to remove the original structure and for the construction of a new concrete structure.

The project meets two Rio Grande Basin Implementation Plan goals including maintaining aquifers with sustainable supplies of groundwater for water users and wildlife habitats and maintaining vibrant and resilient agriculture economies that support thriving communities.

**Funding Recommendation:** Staff recommends approval of up to \$35,777 from the Rio Grande Basin Account and up to \$261,528 from the Statewide Account.



## Water Supply Reserve Fund Grant Application



LOCATION	
<b>County:</b>	Logan
<b>Basin:</b>	South Platte

DETAILS	
<b>Total Project Cost:</b>	\$1,134,725
<b>*WSRF Total Project Cost:</b>	\$500,000
<b>Total WSRF Grant Request:</b>	\$400,000
<b>South Platte Basin Account Request:</b>	\$50,000
<b>Statewide Account Request:</b>	\$350,000
<b>Recommended Amount:</b>	\$400,000
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$0
<b>Applicant Match:</b>	\$734,725
<b>Project Type:</b> Construction/Implementation	
<b>Water Use Type:</b> Agricultural	
<b>Statewide Category:</b> Aging Infrastructure	
<b>Measurable Result:</b> Other – “allow the ditch to continue irrigating 6,700 acres even during flood flows and improve the ditch’s ability to withstand a flood event.”	

The Sterling Irrigation Company is an agricultural non-profit located in the City of Sterling.

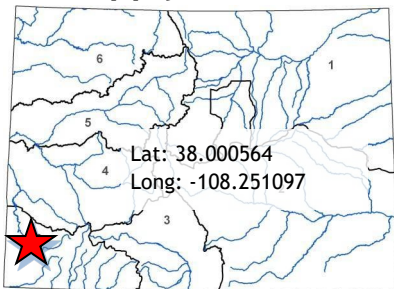
The Sterling No. 1 Ditch diverts water from the South Platte River and flows for approximately 2 miles to a secondary headgate and bypass structure where the ditch crosses the Pawnee Creek channel. The bypass structure is more than 60 years old and currently, wood boards are placed in the structure to dam up water. The existing bypass structure is in poor condition, the Sterling Irrigation Company experiences operational difficulties, safety concerns, and they are concerned with the structure’s ability to handle future flood events.

This project will replace the current structure with a new reinforced concrete structure founded on steel piling with a bladder gate. Remote monitoring and operation will be included via telemetry. A control building housing the air-supply system and control system will also be built of reinforced concrete.

\*The overall project is over \$1.1 million but WSRF funds will be used to purchase the construction materials and to prepare the site. Sterling Irrigation Company will use their matching funds to complete the project.

**Funding Recommendation:** Staff recommends approval of up to \$50,000 from the South Platte Basin Account and up to \$350,000 from the Statewide Account.

## Water Supply Reserve Fund Grant Application



LOCATION
<b>County:</b> San Miguel
<b>Basin:</b> Southwest

DETAILS	
<b>Total Project Cost:</b>	\$465,548
<b>Total WSRF Grant Request:</b>	\$370,000
<b>Southwest Basin Account Request:</b>	\$46,548
<b>Statewide Account Request:</b>	\$323,452
<b>Recommended Amount:</b>	\$370,000
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$49,000
<b>Applicant Match:</b>	\$46,548
<b>Project Type:</b> Construction/Implementation	
<b>Water Use Type:</b> Agricultural	
<b>Statewide Category:</b> Aging Infrastructure	
<b>Measurable Result:</b> 1,800-acre feet of existing storage preserved or enhanced.	

The Lone Cone Ditch & Reservoir Company was formed in 1902 and provides irrigation water to its shareholders. The Lone Cone Reservoir is in San Miguel County.

The Lone Cone Ditch & Reservoir Company was awarded a WSRF grant in September 2022 for the first phase of the project to complete the design and engineering for the rehabilitation of the 100-year old Lone Cone Reservoir, including a new intake structure, outlet conduit, valve vault and outlet structures.

The current outlet structure has been under threat of caving in, which would block the outlet and prevent water from being released. The outlet begins with a trench that was dug along the bottom of the reservoir to the existing concrete outlet structure. The channel is not lined, has experienced erosion and its sides are collapsing.

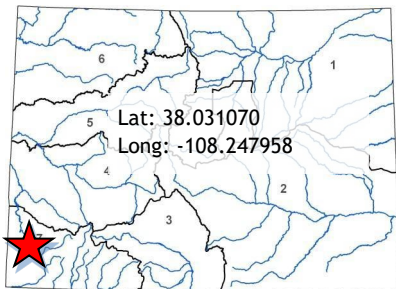
WSRF grant funds will address several problems including supporting the channel with concrete wingwalls and backfilling to prevent collapse. The outlet will be replaced and reinforced with a rock check dam. The steel pipe within the embankment and rock will be replaced with precast concrete and high-density polyethylene pipe. A new valve system will also be added.

San Miguel County has provided funding for the project. Lone Cone Ditch & Reservoir Company has applied for funding from the Southwestern Water Conservation District and may apply to the US Fish & Wildlife Service for funding.

**Issues/Additional Needs:** The applicant must secure all match funding prior to contracting. No other issues or additional needs have been identified.

**Funding Recommendation:** Staff recommends approval of up to \$46,548 from the Southwest Basin Account and up to \$323,452 from the Statewide Account. Project approval is contingent upon the applicants' abilities to resolve issues and additional needs identified by staff.

## Water Supply Reserve Fund Grant Application



LOCATION	
<b>County:</b>	San Miguel
<b>Basin:</b>	Southwest

DETAILS	
<b>Total Project Cost:</b>	\$323,511
<b>Total WSRF Grant Request:</b>	\$144,041
<b>Southwest Basin Account Request:</b>	\$32,401
<b>Statewide Account Request:</b>	\$111,640
<b>Recommended Amount:</b>	\$0
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$50,000
<b>Applicant Match:</b>	\$129,470
<b>Project Type:</b> Construction/Implementation	
<b>Water Use Type:</b> Agricultural	
<b>Statewide Category:</b> Aging Infrastructure	
<i>Measurable Result: 9,000-acre feet of existing storage preserved or enhanced; 320-acre feet of shared water through a water sharing agreement; 1,200 Coloradans impacted by incorporating water saving land use planning and engagement activity.</i>	

Farmer's Water Development Company (FWDC) provides agricultural water to 210 shareholders irrigating approximately 12,000 acres and supplies water to the residents of the Town of Norwood. The Gurley Reservoir Dam is located 7 miles south of Norwood in San Miguel County.

In 2019 a portion of the embankment on the northern side of the Gurley Dam was covered with snow when a rainstorm dropped 3 inches of additional precipitation soaking the embankment and causing a layer of about 3 feet to slip and slide down the slope. This slip was repaired and approved by the State Dam inspector. However, in 2023 another portion of the dam also slipped about 100 feet from the previous incident. The State Dam Inspector has suggested to FWDC that they proactively use the same repair method to the rest of the dam face to prevent further damage.

WSRF funds will remove and replace material from the slide, remove material for buttress addition, and repair the buttress with reusable on-site material. FWDC will use this methodology for the remainder of the face of the dam. Mitigating future slips helps the FWDC focus on other infrastructure needs at Gurley Dam.

The Southwest Water Conservation District is a financial contributor to the project.

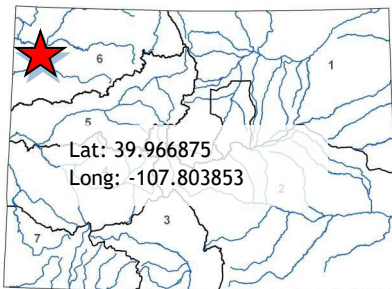
The project aligns with the Southwest Basin Implementation Plan by meeting the following goals: A - balancing all needs and reduce conflict; B3 - Supporting the implementation of projects that work toward meeting agricultural water supply shortages and address delivery concerns created by aging infrastructure; and C1 - Pursuing projects to meet the current and future municipal demands.

**Funding Recommendation:** Staff recommends approval of up to \$32,401 from the Southwest Basin Account and up to \$111,640 from the Statewide Account.





## Water Supply Reserve Fund Grant Application



LOCATION
<b>County:</b> Rio Blanco
<b>Basin:</b> Yampa/White/Green

DETAILS	
<b>Total Project Cost:</b>	\$225,500
<b>Total WSRF Grant Request:</b>	\$159,500
<b>Y/W/G Basin Account Request:</b>	\$25,000
<b>Statewide Account Request:</b>	\$134,500
<b>Recommended Amount:</b>	\$159,500
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$46,000
<b>Applicant Match:</b>	\$20,000
<b>Project Type:</b> Construction/Implementation	
<b>Water Use Type:</b> Agricultural	
<b>Statewide Category:</b> Aging Infrastructure	
<b>Measurable Result:</b> 80 feet of pipe or canal built.	

The White River Conservation District manages natural resources in Rio Blanco County by providing technical, financial and educational assistance to the residents of the county.

The Oak Ridge Park Ditch diverts water from the White River and supplies water to fifteen unique users for the irrigation of 3,528 acres. The district has been working with project partners to analyze the ditch company's entire system and identify projects and their alternatives. The Oak Ridge Park Ditch crosses two creeks, Little Beaver Creek and Coal Creek. Currently, the infrastructure at both crossings includes two stoplog channels that return to the creek and a single slide gate that controls ditch flows below. The structure is older and falling apart.

This is a multi-beneficial project that would separate the natural drainage of the Coal Creek from the ditch by installing a siphon on the ditch at both points allowing ditch water to pass under the creek and to also act as a fish barrier. The fish in the Coal Creek watershed are native cutthroat trout in the upper reaches of the drainage.

The project meets three Yampa-White-Green Basin Implementation Plan goals including protecting the basin from compact curtailment of existing decreed water uses and some increment of future uses, protecting and encouraging agricultural uses of water in the basin within the context of private property rights and developing an integrated system of water use, storage, administration, and delivery to reduce water shortages and meet environmental and recreational needs.

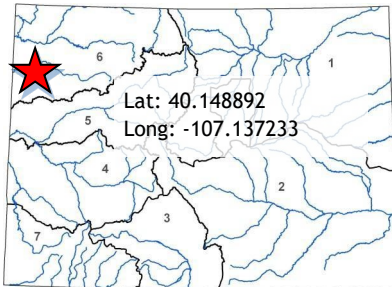
**Issues/Additional Needs:** The District must secure match funding prior to contracting. No other issues or additional needs have been identified.

**Funding Recommendation:** Staff recommends approval of up to \$25,000 from the Yampa-White-Green Basin Account and up to \$134,500 from the Statewide Account. Project approval is contingent upon the applicants' abilities to resolve issues and additional needs identified by staff.





## Water Supply Reserve Fund Grant Application



LOCATION
<b>County:</b> Rio Blanco
<b>Basin:</b> Yampa/White/Green

DETAILS	
<b>Total Project Cost:</b>	\$5,306,409
<b>*WSRF Total Project Cost:</b>	\$673,330
<b>Total WSRF Grant Request:</b>	\$504,998
<b>Y/W/G Basin Account Request:</b>	\$67,333
<b>Statewide Account Request:</b>	\$437,665
<b>Recommended Amount:</b>	\$0
<b>Other CWCB Funding:</b>	\$0
<b>Other Funding Amount:</b>	\$4,638,477
<b>Applicant Match:</b>	\$168,332
<b>Project Type:</b> Construction/Implementation	
<b>Water Use Type:</b> Municipal	
<b>Statewide Category:</b> Aging Infrastructure	
<i>Measurable Result: 987-acre feet of existing storage preserved or enhanced: and Other - Removal of the 1-ft below the Normal High Water Line storage restriction by the Colorado Office of Dam Safety.</i>	

The Town of Oak Creek owns the Sheriff Reservoir Dam which is the sole source of their water supply. The Sheriff Dam is in Rio Blanco County on Trout Creek.

The Town has received two previous WSRF grants in July 2021 & in July 2023 to remove and replace the outlet gate at the dam and install upgraded operating equipment.

The dam has had a restriction placed on it by the Division of Water Resources (DWR) to reduce the risk of dam failure and any danger to lives and property downstream. The Town submitted plans for review of the design and construction for the project and has received approval from DWR.

The current project involves replacing the undersized spillway, re-establishing the original dam crest elevation and replacing the outlet terminal structure. The current work being done on the outlet structure will not replace or repair past CWCB funded efforts at the dam.

\*The overall cost of the rehabilitation project is over \$5 million. WSRF funds will be used for the demolition and excavation of the spillway, embankment work, and for the purchase and installation of rip rap for the project. The Colorado River District is contributing matching funds for the project. Completion of the project includes other funding partners including the Upper Yampa Water Conservancy District, Department of Local Affairs (DOLA), and Federal Emergency Management Agency (FEMA).

The project aligns with the Yampa/White/Green Basin Implementation Plan by meeting the following goals: addressing municipal and industrial water shortages; restoring, maintaining, and modernizing water storage and distribution infrastructure; and is multi-beneficial and meets multiple objectives.

**Funding Recommendation:** Staff recommends approval of up to \$67,333 from the Yampa/White/Green Basin Account and up to \$437,665 from the Statewide Account.