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# COLORADO

**Colorado Water  
Conservation Board**  
*Department of Natural Resources*

## **DIRECTOR'S REPORT**

**September 2024**

Interstate Compact Compliance • Watershed Protection • Flood Planning & Mitigation • Stream & Lake Protection  
Water Project Loans & Grants • Water Modeling • Conservation & Drought Planning • Water Supply Planning



# COLORADO

## Colorado Water Conservation Board

Department of Natural Resources

TO: Colorado Water Conservation Board Members

FROM: Lauren Ris  
Rosie Major

DATE: September 18-19, 2024

SUBJECT: **Agenda Item 4b, September 2024 CWCB Board Meeting Director's Report**

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## STATEWIDE

### Finance Section Director's Report Items – September 2024

#### CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE:

New grant applications approved:

1. None

Previously approved grants in FY24/25:

1. None

Total funds approved for feasibility study grants in FY24/25: \$0

### Federal Technical Assistance Grant Program Director's Report, September 2024

The Colorado Water Conservation Board's Federal Technical Assistance Program helps eligible entities review the many federal funding opportunities currently available for water projects, then prepare and submit federal grant applications. The Program can also help enhance projects prior to application with feasibility studies, planning, and partial design/engineering so that they stand out in the highly competitive federal grant process. The Program was established in spring 2022 via House Bill 22-1379, which appropriated CWCB \$2.5 million for Local Capacity Grants and an additional \$2.5 million for Technical Assistance Grants.

Local Capacity Grants: These are direct awards to grantees to secure the resources they need (contractors or otherwise) to develop projects and submit competitive federal grant applications.

Technical Assistance Grants: These are awards to grantees who want to utilize a contractor hired by the Colorado Water Conservation Board. This contractor can provide a wide variety of water project services, including researching federal grant opportunities, project design, partial engineering, cost estimation and federal application development/grant writing.

#### Program Status

As of August 2024, nearly all of the original \$2.5 million Local Capacity appropriation (minus some funds restricted to cover salaries and operating costs) has been awarded as grants. The 2024 Projects Bill contains language that allows CWCB to redistribute funds between the original Local Capacity and Technical Assistance appropriations in H.B. 22-1379.

#### Local Capacity Grants

H.B. 22-1379 established \$2.5 million for Local Capacity Grants. As of August, the Grant Program has awarded nearly all original funding for Local Capacity Grants. Program staff are currently allocating additional funding to Local Capacity to adjust for the popularity of this program. [See above]

The following table summarizes Local Capacity Grant activity through August 2024:

<u>Approved Applications</u>			
Applicant	Project	Total Project Budget	Grant Award

Owl Creek Lateral	Improved Storage and Operations	\$42,400	\$31,625
Rio Grande Headwaters Land Trust	Capacity for Federally Funded Conservation Projects in the Rio Grande Basin	\$194,750	\$145,000
Grand County Learning by Doing	Federal Funding for LBD Stream Restoration and Improvement Projects	\$237,531	\$169,775
Ute Mountain Utes Farm and Ranch Enterprise	Pre-Development Work (PL-566)	\$70,000	\$52,500
American Rivers	Wetland/Riparian Projects in the San Luis Valley	\$241,000	\$152,210
Colorado River Water Conservation District	Colorado River Drought Response Project	\$578,840	\$434,130
Colorado Rio Grande Restoration Foundation	Rio Grande Basin Capacity to Secure Federal Project Funding	\$268,800	\$195,000
Collbran Water Conservation District	Plateau Valley Pre-Development Work (PL-566)	\$70,000	\$52,500
Sangre de Christo Acequia Association	Federal Funding to Improve Water Management	\$83,975	\$44,975
West Divide Water Conservancy District	Martin Reservoir Enlargement and Reconfiguration	\$315,906	\$118,464
Farmers Conservation Alliance	White River Ditches Modernization Strategy	\$564,690	\$188,186
Estes Valley Watershed Coalition	Fish Creek/Beaver Meadow Restoration Project	\$203,953	\$150,005
Southwestern Water Conservation District	Capacity Gaps in the Southwestern Water Conservation District	\$278,706	\$156,706
Farmers Conservation Alliance	Collbran Conservancy District Modernization Strategy	\$375,375	\$187,688
Trout Unlimited (Montrose)	Securing Federal Funding for Southwest Colorado Projects	\$168,496	\$129,836
Farmers Conservation Alliance	Pre-Development Work, Orchard Mesa Irrigation District	\$98,250	\$73,250
Farmers Conservation Alliance	Pre-Development Work, Montezuma Valley Irrigation Co	\$98,250	\$73,090
Farmers Conservation Alliance	Pre-Development Work, Lower Arkansas Valley Water Conservancy District	\$23,625	\$17,625
Total:		\$3,914,547	\$2,372,565

### **Federal Grant Submissions**

As of August, CWCBC Local Capacity grants have contributed directly to the submission of 14 federal grant applications requesting at least \$18.7 million in funding. These requests encompass a broad variety of project types and include applications to numerous federal aid programs, including:

- Bureau of Reclamation Native American Affairs Technical Assistance to Tribes
- Bureau of Reclamation WaterSMART Environmental Water Resources Projects
- Bureau of Reclamation WaterSMART Planning and Project Design Grants

- Environmental Protection Agency Underserved Farmer-to-Farmer Grant Program
- Natural Resource Conservation Service PL-566 Program
- Natural Resource Conservation Service Regional Conservation Partnership Program
- US Fish and Wildlife Service North American Wetlands Conservation Act Grants

#### **Technical Assistance Grants**

H.B. 22-1379 established \$2.5 million for Technical Assistance Grants. CWCB has contracted with Abt Associates to provide wide-ranging assistance to communities and water managers across Colorado as they develop federal grant applications for projects with a nexus to the Colorado Water Plan.

As of August 2024, the Program has seven active Technical Assistance projects that have received preliminary approval to proceed:

- San Miguel Watershed Coalition, Reed-Chatfield Ditch and Diversion Project
- Fountain Creek Watershed District, Fountain Creek Watershed District Technical Support
- Rocky Ford Highline Canal, Rocky Ford Highline Canal Rehabilitation
- Bent Conservation District, Bent Conservation District EQIP Projects
- Trout Unlimited/National, Gunnison Basin EQIP Projects
- Arkansas River Watershed Collaborative, Minnequa Diversion Dam Removal and Replacement
- Trout Unlimited/Collegiate Peaks Chapter, South Arkansas River Restoration Project

Program staff are currently evaluating several more projects for possible approval.

## COLORADO RIVER BASIN

### COLORADO RIVER WATER USE—

2024 Colorado River Storage as of August 26, 2024			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,062.78	8.635	33%
Lake Powell	3,581.43	9.409	40%
Total System Active Storage		25.630	44%
2023 Total Active Storage		25.680	44%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2024)		7.994	83%

\*Note MAF = million acre-feet

### Wild and Scenic Updates

Currently, two different stakeholder groups in the state are working on plans that are an alternative to Wild and Scenic eligibility or suitability. Two additional groups are considering pursuing Wild and Scenic River designations. The following provides updates on both types of stakeholder efforts.

#### Wild and Scenic Alternative Stakeholder Groups

##### Upper Colorado River Wild and Scenic Stakeholder Group

Background: The Upper Colorado River Wild and Scenic Stakeholder Group (UCRW&S or SG) was formed to protect the outstandingly remarkable values (ORVs) identified in the U.S. Bureau of Land Management (BLM) and U.S. Forest Service (USFS) Wild and Scenic Eligibility Reports for river segments that start below the confluence with the Blue River and end near No Name in Glenwood Canyon. The SG includes water users from both the West Slope and East Slope, environmental interests, anglers, recreational interests, and local and state government representatives. The Amended and Restated Upper Colorado River Wild and Scenic Stakeholder Group Management Plan (Plan) was completed in June 2020 and includes long-term protective measures, cooperative efforts to address issues, and monitoring of the ORVs and other important environmental factors related to recreational fishing and floatboating. The effective date of the Plan commenced June 12, 2015, upon issuance of records of decision by BLM and USFS. The federal entities accepted the SG Plan and deferred making suitability determinations as part of their resource planning efforts. More information about this group is available at: <https://www.upcowildandscenic.com/>

Updates: The SG continues to hold regular meetings and subcommittees continue to meet to fulfill the SG Plan. The SG will meet on October 22, 2024 to discuss future uses of an endowment fund, hear updates about monitoring efforts and potential water leases, and review financial information. The SG will be conducting an observational monitoring program this fall which includes filling out a survey and

photo points at specific locations throughout the reach. This group is being supported by Wild and Scenic Funds, the most recent request for \$99,999 which was approved and issued in early June.

#### Lower Dolores Plan Working Group

Background: The Lower Dolores Plan Working Group has been meeting since 2008 to develop alternative protections for a section of the Dolores River between McPhee Dam and Bedrock. The stakeholder group includes water districts, conservation and recreation groups, local landowners, counties, and others. This group proposed to 1) create a National Conservation Area and 2) continue to understand and improve native fish habitats through the Dolores River Native Fish Monitoring and Recommendations Team (M&R Team). The BLM has agreed to not find portions of the Lower Dolores River eligible for Wild and Scenic designation if those actions occur. The legislation was first introduced to Congress in 2022 and reintroduced in both the House and Senate in 2023. The NCA legislation had a markup in December of 2023 in the Senate Energy and Natural Resources (ENR) Committee and passed unanimously. A hearing in the House ENR Committee is the next procedural step.

Fort Lewis College is assisting the M&R Team to conduct a number of monitoring efforts on the Dolores River. This group secured a WSRF Grant in 2020 for \$165,617 for a 5-year project. In addition, Fort Lewis College applied for Wild and Scenic funding in 2023 on behalf of the group for \$73,565.04 for a 2-yr project that will end in 2025.

Updates: There are no updates on the legislation. The M&R team met in June to discuss research goals. Fort Lewis College conducted topographic surveys of two sites for hydraulic modeling that will be completed this fall and winter. Vegetation surveys have also been completed.

#### **Potential Wild and Scenic Designations**

##### Deep Creek Wild and Scenic Stakeholder Group

Background: On July 8, 2015, the USFS White River National Forest and the BLM Colorado River Valley Field Office issued RODs finding three reaches of Deep Creek suitable for inclusion in the National Wild and Scenic River system. Deep Creek is a tributary to the Colorado River just upstream from the confluence with the Eagle River. That year, American Rivers convened CWCB staff, the Colorado River Water Conservation District (River District), BLM, USFS, and members of Colorado's congressional delegation to discuss issues related to a potential Wild and Scenic designation on Deep Creek. A stakeholder group (SG) was formed in 2016 to develop the boundaries, legislation, and flow protection with a state-held ISF water right. ORVs include ecologic, scenic, and geologic. The SG includes the USFS, BLM, Colorado Parks and Wildlife (CPW), local landowners, American Rivers, Eagle River Coalition, River District, and various recreation and environment-based groups among others. The group has been drafting and refining the legislation, evaluating flow needs, and working through SG concerns for several years.

Updates: The SG approved an update to the proposed legislation in April. CWCB staff and River District are discussing potential terms and conditions to address the proposed CWCB-held ISF water right to protect all unappropriated flow with a water development allowance (WDA) to meet reasonable potential future uses. American Rivers and the Eagle River Coalition are preparing a formal ISF recommendation. Outreach efforts are underway to talk with Garfield County. We anticipate asking the board to form intent on a Deep Creek ISF at the January 2025 Board meeting.

##### Crystal River Wild and Scenic Collaborative



Background: A portion of the Crystal River from the headwaters to the Sweet Jessup canal headgate was determined to be eligible for inclusion in the Wild and Scenic program in the 1980s and again in 2002. This local stakeholder group met over the last year, with the assistance of a facilitator, to discuss flow and land use protection options. After the facilitator's contract, the stakeholder group formed a recommendation to further consider the three options, including a Wild and Scenic designation, an instream flow, and an intergovernmental agreement. The group has designated members of the steering committee into sub-groups to further gain understanding and explore all three of these options. More information about this group can be found on their website: <https://thecrystalvalleyecho.com/wild-scenic-stakeholder>.

Updates: The stakeholder group will reconvene late this year to report their progress.

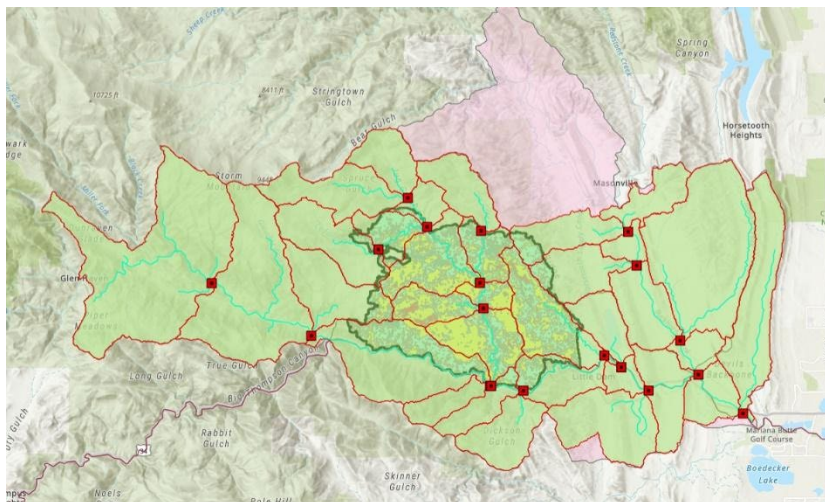
## WATERSHED AND FLOOD UPDATES

### Alexander Mountain Fire – Post Wildfire Hazard Mitigation

The Alexander Mountain Fire started on July 29, 2024 and was 100% contained within three weeks. It burned 9,668 acres in an area west of Loveland, east of Estes Park, and north of Highway 34. Twenty-eight homes were lost in the fire as well as many outbuildings. Most of the fire was contained within the Cedar Creek Watershed. Cedar Creek drains to the Big Thompson River at Cedar Cove, an area that received significant flood damage during the 2013 floods. The CWCB invested much time and effort restoring the Cedar Cove area after the 2013 floods. More information about the Cedar Cove project and other projects in the area can be found [here](#).

CWCB staff and technical consultants are supporting the Big Thompson Watershed Health Partnership (BTWHP) prepare for post wildfire hazards such as flooding, hillslope erosion, and debris flows. BTWHP is a stakeholder group made up of non-profits and local government. Some key stakeholders include Peaks to People, the Big Thompson Watershed Coalition, the Estes Valley Watershed Coalition, Larimer County, City of Loveland, and the Northern Colorado Water Conservancy District. Both Coalitions were formed with help from the CWCB after the 2013 floods. Fortunately, the BTWHP has been working on a Wildfire Ready Action Plan for the entire Big Thompson Watershed and has gathered data related to values at risk in the fire area.

The intent of a [Wildfire Ready Action Plan](#) is to identify the susceptibility of values at risk to post wildfire hazards before fires burn. The approach to determine susceptibility after fire is similar but must be done with more urgency to protect lives and property and critical infrastructure. CWCB staff and consultants are supporting the post fire effort by building a hydrological model for the burn area. It will produce flow rates and hydrographs throughout the burn area that can be used to understand changes in flows given the burn severity mosaic within the fire. This will help aid in identifying mitigation projects to protect road crossings, structures in or near floodplains, and water infrastructure.



Post-fire area of interest for the Alexander Mountain wildfire, showing modeling extents (green shading). Flow estimates will be developed at the points (red squares). Burn area and severity map are included as an underlay (delineated with the green line).

-Chris Sturm

### ***Flood After Fire: August 2024 CO Wildfires***

With significant wildfires blazing throughout the state, Doug and Willem have been coordinating flood after fire response to the burn areas. There is generally a 30-day waiting period from date of purchase until flood insurance coverage takes effect, however with FEMA's Post-Wildfire Exemption, the standard 30-day waiting period does not apply to new policies that meet certain criteria. Doug and Willem have been reaching out to floodplain administrators pre-and post-containment to offer assistance and provide FEMA Flood after Fire resources to share with community residents. They have been providing Flood After Fire brochures that affected communities are passing out at Disaster Assistance Centers. The CAP team have also worked with affected communities to include Flood after Fire resources and NFIP flood insurance Flood after Fire exemption information on their incident webpages.

### ***CAP-SSSE FEMA FY24 Grant Awarded***

Funding for the July 1, 2024 – June 30, 2025 Colorado CAP-SSSE program was secured with the award of the FEMA FY24 grant on August 28<sup>th</sup>. The program was awarded over \$218k to perform its mission of supporting local Colorado communities in their efforts to protect their residents and infrastructure from the effects of flooding and create a more resilient community. The Colorado CAP program proposed 35 unique action items incorporating hundreds of individual activities over the course of the 12-month period of performance. This year will see the introduction of FEMA's revamped community compliance audit system as well the creation of a State-managed floodplain development permit program to address State-owned development in areas that do not participate in the NFIP.

### ***FEMA Region 8 Mid-year CAP Conference***

This year's annual mid-year program conference was conducted virtually over the course of two days, Aug. 27-28, 2024. The conference brought together the Flood Management & Insurance branch of FEMA Region 8 and CAP staff from all 6 Region states – Colorado, Utah, Wyoming, Montana, North & South Dakota – to discuss a wide-range of topics and provide a venue for new information and idea sharing. Highlights of the event included updates on the Federal Flood Risk Management Standard (FFRMS) which will see significant floodplain development requirements placed on projects funded wholly or in part by Federal grant or loan dollars, and individual State report-outs that provide a lens into the activities and successes of our sister-States in the Region. The annual in-person conference is tentatively scheduled for February, 2025.

### ***NFIP Community Outreach and Support***

Doug and Willem have conducted community assistance contacts (CAC) with Morgan County, the Town of Gypsum, and the City of Delta, since July 1, 2024. The CAC provides a means to establish or re-establish contact with an NFIP community for the purpose of determining any existing problems or issues and to offer assistance if necessary. The CAC also provides the opportunity to enhance the working relationship between the State or FEMA and NFIP communities, and creates a greater awareness of the NFIP and its requirements. All communities contacted were found to be in good standing with the program and any minor issues were addressed with additional guidance and recommendations.

The CAP team in cooperation with FEMA Region 8's flood insurance specialists conducted NFIP program training for Colorado insurance agents and real estate professionals during two separate workshops on August 30<sup>th</sup> in Fort Collins. Over 60 professionals attended the event which focused on basic flood insurance policy coverage, general NFIP rules, and premium rating elements.

(Doug Mahan; Willem Lensink)

### **Watershed Planning Consensus Building**

In late July, 2024, Flood Section staff attended a field workshop in Mancos, Colorado, hosted by the River Network and their Peer Learning Network. The focus of this workshop was showcasing the Mancos Watershed Stream Management Plan and the Mancos Conservation District's efforts to find consensus in their stakeholder group. The workshop showcased how difficult it can be to bring stakeholders together in a watershed planning process when there are competing interests as relates to water, real or perceived. The Mancos Conservation District spent a lot of time, including a multi-week Community Consensus Workshop, to build trust within their stakeholder group, break down stereotypes, and determine a collective statement for their mission in the Mancos Watershed and their needs in a Stream Management Plan. The Community Consensus Workshop took the community through conflict resolution exercises, exploring the effect that stereotypes can have on a community, and resulted in a consensus statement that the group crafted together to help guide their Stream Management Plan. Discussing the process that the Mancos Conservation District underwent helps to illustrate the difficulty in engaging a stakeholder group for the purposes of watershed planning and the time that it takes to build trust within a group where priorities may differ. This is one of the things that the Environmental Flows Cohort, hosted by The River Network, is looking to address. The Environmental Flows Cohort, of which there are now 10 members, will kick off in September and in addition to discussing the technical aspects of determining a flow target, it will also explore the social aspects of determining a flow target for a specific purpose, which may or may not be in real or perceived conflict with a consumptive water use. The cohort will discuss how to initiate those difficult conversations, how to build trust within a stakeholder group, and how to find consensus within a watershed.

Andrea Harbin Monahan

### **Wildfire Ready Action Plans – Progress in Motion**

The Wildfire Ready Action Plan (WRAP) program continues to gain momentum with 13 plans currently under contract. As this is a new initiative, we have implemented a review process and midpoint check-ins with our Technical Assistance team and consultants to ensure consistent and valuable deliverables. This proactive approach allows us to review technical modeling, refine approaches, and guarantee that the WRAPs are useful both before and after large disturbance events, such as wildfires.

In addition to these internal reviews, we have been conducting site visits with stakeholders and consultants to foster collaboration and discuss how the planning process is influencing on-the-ground project identification and partnerships across multi-jurisdictional landscapes. These engagements underscore our commitment to creating actionable plans that enhance community resilience and wildfire preparedness throughout Colorado.

For more details on our review process, please take a look at the [“QA Review Fact Sheet”](#), that can be found on the [Resources Tab](#) of the [Wildfire Ready Watersheds website](#).

(Steven Reeves)

### **The Letter of Map Revision (LOMR) Review Partners Program**

The CWCB LOMR Review Partners Program continues to work with applicants, communities and the Federal Emergency Management Agency (FEMA) to answer questions, provide guidance, and work through complex issues for both ongoing and upcoming map revision requests. CWCB processes and

makes recommendations for revision requests on behalf of FEMA to modify flood hazard information on Flood Insurance Rate Maps (FIRMs). FEMA determines if the revision request will be approved or become effective. We have started our fourth year of implementing this program. It has been well-received by applicants and communities and provides the ability to have some coordination between the map revision requests and ongoing Risk MAP projects. Currently there are ongoing cases in Arapahoe, Boulder, Delta, Douglas, El Paso, Elbert, Gunnison, Jefferson, Larimer, Mesa, Montrose, Pitkin, Pueblo, Routt, San Miguel, Weld, and Yuma Counties. CWCB is starting processes to complete Boulder County LOMRs that were based on CHAMP data and closed with Special Response Letters (SRLs). These cases will be opened (in the order SRLs were dated), draft exhibits and final documents completed and sent to FEMA for final processing. Once these LOMRs have been issued they will have a 90-day mandatory appeal period and become effective approximately 4.5 months later.

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### **September 2024 Risk Mapping, Assessment and Planning (MAP) Project Updates by Major Water Basin**

CWCB is FEMA's Cooperating Technical Partner (CTP) for the state while Mile High Flood District (MHFD) is the CTP within their service area (Denver Metropolitan Area). CWCB provides support for and coordination with MHFD on projects and data sharing for communities that extend across common boundaries.

**North Platte Basin** – No flood hazard studies are being conducted in this area.

**South Platte Basin** – Adams, Arapahoe, Boulder, Sedgwick, Larimer, Lincoln, Logan, Morgan, Park, Phillips, and Weld Counties have ongoing Risk MAP studies. Ongoing CWCB studies within the South Platte basin are as follows:

- Park County Phase 2: Hydrology was approved November 28, 2023. FEMA is making a shift to 2-Dimensional (2D) hydraulic modeling. Managing the 2D models has typically been more resource-intensive. During the transition period (that will take 5 to 10 years) CWCB is verifying with the communities that they agree with receiving the 2D hydraulic modeling instead of the traditional 1D hydraulic modeling. Town of Alma requested 1D models in their area, and both the Town of Fairplay and Park County will continue with the use of the 2D modeling. Review comments from FEMA were addressed and a resubmittal was made August, 16, 2024.
- Logan County Phase 2: The County's suspension from the NFIP does not impact progress for the ongoing Risk MAP project. Hydrology was approved by FEMA on May 1, 2024. Phase 2 hydraulic modeling is underway; we anticipate the initial submittal to FEMA in September.
- Adams and Arapahoe Counties BLE: We received comments from FEMA on the full BLE submittal (modeling and mapping) in June. Comments being addressed and working on Flood Risk Products (FRPs) before can resubmit (anticipated for mid-September). Phase 2 kickoff meetings will be held in the coming months.
- Morgan County BLE: Phase 2 (Data Development) is underway. We are in communications with FEMA and the Town of Wiggins regarding the Kiowa Creek levee. When the previous DFIRM was updated, the levee was secluded (not evaluated) since FEMA was updating their certification

requirements and guidance. The levee must meet effective levee certification requirements so it can be accredited and FIRM mapping can continue to show the levee as providing flood protection for the Town of Wiggins. Once there is concurrence on a path forward for the levee issued, CWCB will hold off on getting the communities to sign the Phase 2 scope of work Memorandum of Agreement (MOA) that will provide the basis of further data development.

- Phillips County Phase 4: CWCB and FEMA are collaborating to complete the revisions associated with CDOT's appeal along the Frenchman Creek and Tributaries within the Town of Holyoke. CWCB's contractor have leveraged as much information from CDOT's model as possible to complete the remaining hydraulic analyses and mapping using the CDOT revised hydrology submitted with the initial appeal package. A revised preliminary distribution will be required and another 90-day mandatory appeal period will take place because the initial appeal package came directly from CDOT instead of the community (so community did not provide concurrence, which is a FEMA requirement during appeals). CWCB's contractor has addressed hydraulic modeling review comments and are working on floodplain mapping.
- Phillips Countywide: CWCB held the Phase 2 kickoff meeting on 7/15, and we had follow up calls/meetings with two towns that did not attend this meeting in the weeks following (Haxtun and Paoli). This study covers the portions of Phillips County not included in the Phase 4 project. The BLE hydraulics were approved by FEMA's contractor and we received an approved exception to a recent FEMA requirement for the BLE DFIRM database's topology check. We are working with FEMA's technical reviewer so the project has the full BLE data package approved in their system soon. CWCB plans to coordinate with the communities on the Phase 2 scope of work finalization via the updated MOAs in the next week or two.
- Republican Basin County BLE: A BLE/Discovery effort is being initiated for all flooding sources with drainage areas greater than a square mile within portions of Cheyenne, Kit Carson, Washington, and Yuma Counties. Once jCWCB's task order has been executed, a kickoff meeting will be scheduled with communities.
- Sedgwick County BLE: A countywide BLE/Discovery effort is underway for flooding sources with drainage areas greater than one square mile that weren't updated with the CHAMP project back in 2021. In the process of addressing final hydraulic comments, completing floodplain mapping, FRPs and exception for BLE DFIRM database. The next submittal is expected to occur the first week of September. The Discovery meeting with communities needs to be scheduled.
- Weld Countywide: A countywide BLE/Discovery effort is ongoing for all flooding sources with drainage areas greater than one square mile that were not recently updated with the CHAMP project below (which went effective November 30, 2023). Comments from FEMA on the BLE model were received in May; the full submittal package will be sent to FEMA in the next few days. A kickoff meeting with communities was held on 7/31 and we hope to hold the Discovery meeting in September or October.

The Colorado Hazard Mapping Program (CHAMP) Physical Map Revisions (PMRs): The CWCB was able to leverage funds from FEMA to continue getting several CHAMP studies incorporated into updated Flood Insurance Rate Maps (FIRMs) and Flood Insurance Studies (FISs) through the FEMA Physical Map Revision process. CHAMP involved analyzing major streams across various Colorado counties (following the devastating 2013 flooding along the Front Range) and includes over 200

FIRM panel updates. Two remaining counties are being completed within the South Platte Basin. These include Boulder and Larimer Counties.

- Boulder County PMR: This PMR will become effective October 24, 2024. Approximately 3.7 miles along Left Hand Creek *downstream* of the Geer Canyon/Left Hand Creek confluence will be restudied as recommended by a Scientific Review Panel (SRP). This restudy impacts portions of three FIRM panels. These panels will reflect the current effective flood hazard data (versus the CHAMP data) until the restudy is completed. The resulting updates to these three panels will become effective through a future LOMR that will follow the MT-2 revision process.

An additional state funded LOMR is being completed to reflect CHAMP data for over 6,000 feet along Geer Canyon Creek and approximately 12,000 feet along Left Hand Creek (*upstream* of the SRP area). Stream reaches included in the LOMR are well outside the SRP area. The LOMR will allow use of the revised CHAMP flood hazard data for these upstream segments of Geer Canyon and Left Hand Creek.

- Weld County PMR: Weld County PMR revised Flood Insurance Study (FIS) and Flood Insurance Rate Maps (FIRMs) became effective on 11/30/2023.

The City of Longmont extends into both Weld and Boulder Counties. Longmont has opted to split their flood hazard information at the Boulder/Weld County line. This required a Longmont PMR for the three impacted FIRM panels that will now be part of the Weld County FIS and FIRMs (previously all Longmont flood hazard data was included as part of the Boulder County PMR). These three panels reflect the updated flood hazard data for portions of the City of Longmont that are physically within Weld County. This Longmont PMR (in Weld County) will become effective on September 26, 2024.

- Larimer County PMR: Valid appeal items received during due process for this project have been resolved. Appeal resolution emails went out to communities on March 22, 2024. The LFD anticipated August 28, 2024, has been delayed and is now anticipated for late September/mid-October. Delays are associated with an ongoing LOMR requiring additional documentation required to recertify the Drake Levee (allowing it to be mapped as providing flood protection. There are also two ongoing state funded LOMRs that will update the PMR flood hazard information to reflect updates that have occurred since the revised preliminary mapping was completed. One LOMR is along Boxelder Creek near the Town of Wellington, and one is a partnership with the City of Fort Collins and Larimer County along the Cache la Poudre River. This map revision is between west of N. College Avenue and just south of Kechter Road in the City of Fort Collins and unincorporated Larimer County. The revision includes the White Water Park/Oxbow Levee certification LOMR, the Harmony/ I-25 LOMR revisions, and other minor corrections.

**Colorado Basin** – Eagle, Grand, Garfield, and Summit Counties have ongoing Risk MAP studies:

- Eagle County Physical Map Revision Phase 3: Revised preliminary products were distributed November 30, 2023. CWCB is working with our contractor on a state funded LOMR for an area in Basalt that impacts portions of both Eagle and Pitkin Counties. The LOMR will provide flood risk data to bridge an existing data gap, verify appropriate flow splits, and revise modeling to reflect existing flood risk. We met with the communities on 8/13 to obtain concurrence on the LOMR analysis approach. CWCB will meet with them again in mid-September to discuss additional updates.

- Garfield County Phase 2: The City of Glenwood Springs confirmed that they want regulatory mapping based on clear water hydraulic modeling (versus the originally requested debris flow results). The revised clearwater hydraulic submittal to FEMA occurred on 8/2 and we are expecting FEMA reviewer comments in mid-September.
- Summit County Phase 2: Hydrology was approved December 13, 2023, and survey data was approved December 11, 2023. CWCB completed checks with communities on using 2D or 1D hydraulic modeling as the project moves into hydraulic modeling. We got confirmation on modeling approaches from everyone and are currently finalizing the hydraulic modeling reviews with FEMA (resubmitted the package on 8/5/2024). The Town of Silverthorne requested reverting to effective flow rates on the Blue River, as recommended by their consultant. The hydraulic model was revised to reflect the agreed upon hydrology change. We need to touch base with the newly created Town of Keystone on the study, to make sure any questions or study requests are handled sooner than later.
- Grand County BLE: A countywide BLE/Discovery effort was initiated for all flooding sources with drainage areas greater than a square mile within the county. A kickoff meeting with communities will take place soon.

**Gunnison Basin** – Delta, Gunnison, and Ouray Counties have ongoing studies:

- Delta County Phase 3: Consultation Coordination Officer (CCO) meetings were held on June 5 and 6, 2024 and several public meetings (including two Spanish-only open houses in the City of Delta and Town of Hotchkiss) were held during the week of June 10<sup>th</sup>. The state-funded Minnesota Creek LOMR will update flood hazard information through Paonia and bridge an existing data gap near the confluence with the North Fork Gunnison River. LOMR hydraulic results and revised flood hazard mapping were shared with communities for review and comments have been addressed. The LOMR has been submitted to FEMA for processing and we're handling the first round of reviews.
- Ouray County BLE: Hydraulic modeling for the countywide BLE/Discovery effort (for drainage areas greater than one square mile) has been reviewed and comments have been addressed. A kickoff meeting for the countywide project was held with communities on April 17, 2024. CWCB is reviewing materials for the Discovery meeting, which will be scheduled soon. CWCB contractor is targeting mid-September to submit the full BLE hydraulic modeling (all return periods and floodway if appropriate), draft flood hazard mapping, and FRPs for review. The countywide project does not include flooding sources included in the Ouray County PMR that went effective on January 2024.
- Gunnison County PMR: 2D BLE Hydraulic modeling had been approved by FEMA, but CWCB is still waiting for an intergovernmental agreement between the City of Gunnison and Gunnison County regarding the hydraulic modeling methodology (1D or 2D) for the Gunnison River through the City of Gunnison where the flood hazard data impacts both the City of Gunnison and Gunnison County. Gunnison County has expressed concerns regarding adequate resources for regulating to 2D hydraulic modeling products along the Gunnison River. Gunnison County has requested 2D-informed 1-dimensional (1D) models for regulation along portions of the major flooding sources in unincorporated areas of the county.



- In an effort to keep the PMR moving forward, CWCB and FEMA are considering reducing the PMR scope to only include flood hazard revisions along Coal Creek in Crested Butte. CWCB has also worked with FEMA and the community for acceptance of a more representative flood hazard mapping approach within Crested Butte. Mapping will reflect shallow flooding areas in wide overbanks where traditional floodway mapping is not appropriate. If the PMR scope is reduced, the remaining flooding sources originally included as part of the PMR will be revised in conjunction with the Countywide Phase 2 project.
- Gunnison Countywide Phase 2: CWCB is working to finalize the Phase 2 scope with Gunnison County. The draft flood hazard data was developed with 2D BLE. The County would prefer to have as many 1D models as possible (versus 2D hydraulic models). While CWCB has agreed to provide the 1D products in areas with significant development pressure or of greatest concern, the project is unable to provide 1D modeling for the large number of streams being revised within the county. County staff are working to approve a revised MOA with an exhibit showing limits of preferred 1D modeling. Once this is provided, the countywide project may move forward.

**Rio Grande Basin** – Alamosa, Costilla, and Mineral Counties have ongoing studies:

- Alamosa County BLE: BLE modeling and draft mapping data for Phase 1 of the countywide study is wrapping up. Modeling near the City of Alamosa has been complex. Discovery meeting materials are being prepared for review. CWCB has coordinated with the City of Alamosa, USACE and FEMA, as the city works toward certification for portions of the existing levee system along the Rio Grande River. After verifying the USACE mapping funding was not able to be used to assist the community with levee issues, it was determined that CWCB continue the flood hazard delineation study in Alamosa County through the Risk MAP process. The City is working to have USACE provide a feasibility study for the Rio Grande levee systems. Based on USACE findings and recommendations, the City will be looking to apply for additional funding sources to assist in getting portions of the levee system certified, accredited by FEMA, and allowed to be shown on the revised flood hazard mapping as providing flood protection to portions of the City. USACE inspected the levee on May 22-23, 2024, and the information collected will be discussed with communities during the Discovery meeting. The City's involved partnership with USACE levee process will take several more years before portions of the levee system will be shown to provide flood protection.
- Effective flood hazard mapping in Alamosa County is still on paper mapping. At Alamosa County's request, CWCB has asked that FEMA consider allowing portions of unincorporated Alamosa County (outside the city) to move forward with the Risk MAP study process. There is significant development pressure in the County and accurate, digital flood hazard mapping will support the County floodplain management and regulation. We hope to schedule the Discovery meeting for late September or early October.
- Costilla County Phase 2-3: CWCB continues working with our contractor to complete data development for the remaining effective Zone A stream reaches. Data development has only been possible once high-resolution LiDAR data for these areas was obtained around 2020. CWCB, our consultant and FEMA resolved issues on appropriate stream alignment and corresponding floodplain mapping due to significant changes that have occurred in the terrain data since effective flood hazard data was developed.

- Hydraulic modeling was submitted for FEMA review in late August.
- Mineral County: The appeal period for the revised Mineral County flood hazard information ended on June 14, 2024. No comments or valid appeals or comments submitted. An expected LFD date should be released soon.

**Arkansas Basin** – Lake, Chaffee, Custer, Fremont, Pueblo, El Paso, Huerfano, Las Animas, Otero, Bent, Prowers, Baca, Crowley, and Kiowa Counties have ongoing studies:

- Lake County Phase 2: Hydraulic modeling along Georgia Gulch has been completed and approved by FEMA. We are moving on with revised flood hazard mapping, non-regulatory product development, and will hold another flood risk review meeting in the near future.
- Chaffee County Phase 2: Hydrology was approved November 27, 2023, and our contractor is working on hydraulic modeling. Currently, our contractor is working on modeling for a shallow flooding area in Buena Vista (due to Cottonwood Creek). Once that shallow flooding area modeling is completed, we will continue with FEMA reviews and meet with communities for the flood risk review meeting.
- Custer County Phase 2: CWCB has been working with FEMA to accommodate community requests for revised or newly identified flood hazard mapping for streams near existing communities. The requested additional approximate and detailed flood hazard mapping provide more accurate flood hazard mapping for flooding sources near the Town of Westcliffe and Town of Silver Cliff. This flood hazard mapping will inadvertently extend into portions of unincorporated Custer County to provide continuous mapping for the streams to the confluence with Grape Creek. CWCB can move forward with the Phase 2 tasks soon.
- Pueblo County Phase 2: At FEMA's request, CWCB revised our contractor's scope to scale back pre-levee assessment efforts that were included in the original Phase 2, Year 1 task order. This resulted in project delays, The revised task order has been issued and the contractor is moving forward with the survey task in early September. Letters were sent to property owners notifying them of surveyors in the area soon. We are also actively working on the county's hydrology development/updates.
- Huerfano County Phase 2: CWCB has coordinated with incorporated communities and Huerfano County on appropriate mapping options for floodways and shallow flooding areas along the major flooding sources. CWCB funded an additional task order for our consultant to remodel a few small areas with 1D methods instead of the original 2D, per community request. We are finalizing floodway modeling now and are coordinating with FEMA on obtaining approval for the special modeling in the La Veta area (Cucharas River) before submitting the full hydraulic modeling package for review in September.
- Bent County Phase 2: This floodplain mapping project continues to be on hold as CWCB and FEMA allow the Arkansas River Conservancy District (levee sponsors) to work towards completing the Arkansas River South Levee analysis and certification. There was a meeting December 5, 2023, to discuss proposed approaches for levee certification. The existing levee has previously provided flood protection to the City of Las Animas and portions of unincorporated Bent County. The levee sponsors are working with their contractor to obtain certification and accreditation for the levee so the revised flood hazard mapping would reflect this levee segment as providing flood protection in the Bent Countywide Risk MAP study. CWCB, FEMA, and USACE

will continue to coordinate and support the communities and levee sponsors as progress toward levee certification continues. In addition, CWCB provided state funding to develop an Emergency Preparedness Plan and Interior Drainage Analysis for this levee. Both the EPP and Interior Drainage Analysis products are required for certification and will be included by the levee sponsors as part of their levee certification package to FEMA. CWCB has made a one-time funding contribution for the sponsors to complete the geotechnical evaluation. Results of the geotechnical information is being used to provide an accurate assessment and identification of the level of effort needed for work associated with obtaining levee certification.

- Otero County Phase 2: Revised BLE hydraulic modeling was approved through FEMA's technical review. The updated BLE floodplain mapping for the Apishapa River area provides more representative flood risk information and is currently in review.
- El Paso Phase 2 and Templeton Gap (T-Gap) Levee: El Paso County hydrology was approved by FEMA on 2/13/2024 and we are wrapping up the Phase 2 hydraulic modeling (including the additional reaches added at community request) for the countywide study. The City of Colorado Springs funded revised hydrology for the Templeton Gap area that is being used in the hydraulic updates for this area. CWCB has provided funding to support coordination between our Risk MAP team and the LOMR Review Partners Team to coordinate on acceptable hydrologic and hydraulic modeling approaches for relative consistency with the ongoing El Paso County study for development projects underway (LOMRs) and proposed (CLOMRs) within these communities. The study also includes addressing data gaps noted in the Templeton Gap pre-levee analyses. While the levee has been shown to provide flood protection in the past, it is not certified/accredited. CWCB's team is working with the City of Colorado Springs, the USACE, and FEMA on updated flood hazard mapping in this area. Certification is required to allow the revised flood hazard mapping to reflect the levee providing continued flood protection.
- Las Animas County Phase 2: We are repurposing FEMA FY22 grant funds originally identified for Phase 3 and 4 tasks to help cover the data development for community-requested additional flooding sources. Hydrology and hydraulics revisions are underway. Our consultant obtained additional field survey in March 2024. The joint hydrology and hydraulics submittal is anticipated for late fall.
- Fremont County Phase 2: We are wrapping up detailed hydraulic model development for Phase 2. Floodway development is also taking place. Data will be provided to FEMA for review and approval soon. We had a meeting with FEMA on March 24, 2024, to discuss some 2D modeling nuances that needed to be addressed before finalizing modeling and mapping. Guidance was received from FEMA on June 21, 2024. We also held a meeting with the communities to get their input on floodways due to the guidance received and got verbal approval that our methods were acceptable.
- Prowers County Phase 2: Base floodplain models are complete and approved. The 2D floodways are also complete but we're compiling the full H&H data package for FEMA's final review and will submit in late September. The Flood Risk Review meeting is anticipated to take place in the coming months.
- Towns of Granada/Holly/Lamar (Prowers County) Pre-Levee assessments: The Lamar Levee Analysis and Mapping Procedure (LAMP) has been completed. State-funded Interior Drainage Reports and EPPs have been reviewed by CWCB and shared with communities. We are waiting

for some final community input to finalize the EPPs. and we are wrapping up comments/input by the communities for inclusion into the EPPs. USACE inspected the Holly levee on May 15, 2024, and the community will provide information once they receive the final USACE report.

- Kiowa County BLE: A countywide BLE/Discovery effort is underway for all flooding sources with drainage areas greater than a square mile. CWCB's team has developed an appropriate way to model playas (landforms that occur throughout the eastern plains). The full BLE submittal to FEMA is anticipated for 9/27. Discovery meeting materials have been reviewed and we plan to meet with communities in the next few weeks.
- Baca County BLE: The BLE model-only submittal has been approved by FEMA. Our contractor is working on the full BLE submittal that are scheduled for a late September submittal. The Discovery products are being reviewed by CWCB for a meeting with communities in the next few weeks.
- Crowley County BLE: A countywide BLE/Discovery study is underway for all flooding sources with drainage areas greater than a square mile. FEMA review comments on the hydraulic model are being addressed. A full package submittal is targeted for September 20, 2024, and will include FPM, FRPs and exception for the BLE DFIRM Database. Discovery materials are being prepared for a meeting with communities in the near future.

**Yampa/White Basins** –Moffat and Routt Counties have ongoing Risk Map studies:

- Moffat County Phase 2-3: Hydraulic models for specific flooding sources have been approved by FEMA. CWCB received FEMA approval on recommended shallow flooding mapping options along Fortification Creek within the City of Craig. We are now moving to finalize floodplain mapping and prepare the non-regulatory products for a Resilience meeting very soon. FEMA has agreed to digitization of effective (not yet revised) streams within the county. This will allow CWCB to move forward with the revised flood hazard information for the initial CHAMP study streams. Preliminary distribution of this information is expected next year.
- Routt County BLE: We received funding to initiate a countywide BLE/Discovery effort for all flooding sources with drainage areas greater than a square mile within the county. We are waiting for new contractor master contracts to be in place before negotiating a scope and fee with one of CWCB's approved contractors. Once that occurs, a kickoff meeting with communities will be scheduled.

**Dolores/San Juan Basins** – La Plata, Dolores, Montezuma, and Archuleta Counties, along with the Southern Ute Indian Tribe (SUIT) and Ute Mountain Ute (UMU) Tribe nations, have ongoing studies.

- Southwest Colorado (Montezuma, Dolores, La Plata, Archuleta Counties and the SUIT and UMU Tribes) Phase 2: The Phase 2 scope of work is being finalized for detailed study stream reaches following the Phase 2 kickoff meetings that took place in May 2024. CWCB has an approved FEMA grant amendment that allows the reallocation of secured funding from the Phase 3-4 scopes of work tasks to accommodate the data development for some of the additional streams that were requested by communities during the Discovery meetings in 2022. Requested funding from the FY24 grant (once approved) will cover the remaining streams. Additional funding for re-scoping the Phase 3-4 tasks will be requested in a future FEMA CTP grant cycle.

**Multi-Basin Risk Map Projects:** Elbert, Mesa, Montrose, Hinsdale, Lincoln, Saguache, San Miguel, and Teller Counties have ongoing studies that span multiple water basins.

- Elbert County Phase 2: Data Development is underway. Review comments for hydraulics are being addressed as are 2D specific revisions and responses. Resubmittal is planned to occur in the near future.
- Mesa County Phase 2: Countywide hydrology and the hydraulics for the Colorado River have been approved. The remaining countywide hydraulics have been reviewed and comments received. State funding was provided to include Adobe Creek and address tie in issues with the main Colorado River reach near Grand Junction, CO. Coordination on accommodating issues associated with the existing levee in Grand Junction is resulting in some project delays.
- Flood Risk Information System (Mesa County): Based on additional staff input, minor modifications are being performed on the draft website for this Flood Risk Information System (FRIS) pilot project. CWCB and our contractor will meet with communities in Mesa County to showcase the site and obtain additional input. Once community feedback has been adequately addressed, the site will go live. This project was preliminarily shown to the Mesa County floodplain administrator in September 2023, and we are very close to wrapping up deliverables.
- Hinsdale County/Lake City Partial Countywide: The LFD was issued March 12, 2024, and this study will go effective on September 12, 2024.
- Hinsdale Countywide Phase 2: Field survey efforts have been completed. Hydrology comments were addressed and resubmitted mid-August. . Hydraulic modeling being finalized with an anticipated submittal in mid-September.
- Teller County Phase 2: CWCB's Contractor has completed the revised hydrologic analyses for Trout Creek and Fountain Creek. Additional analyses were required to verify flows were reasonable and in line with existing flood flows for the same flooding sources in adjacent counties. Final approval of the hydrology deliverables was received on August 1, 2024. Updated reports on the results will soon be shared with the appropriate communities. Hydraulic analysis is underway.
- San Miguel Countywide BLE: A countywide BLE/Discovery effort has been initiated for flooding sources with drainage areas greater than one square mile that were not included in the San Miguel PMR (more updates under the CHAMP Ph3 category below). This effort is on hold awaiting approval of the Telluride LOMR. Once that occurs, an in-person kickoff meeting with communities will be scheduled.
- Lincoln County BLE: A countywide BLE/Discovery effort is underway for flooding sources with drainage areas greater than a square mile that were not included with the ongoing Lincoln County PMR revisions (summarized below). CWCB's Contractor has completed the BLE modeling, and the Discovery meeting took place on March 11, 2024, to share BLE results and reports. We will resubmit the full package (including FPM, FRP, address BLE DFIRM Database exception) for FEMA's final review and approval in mid-September.

- Montrose County BLE: A countywide BLE/Discovery effort is being initiated for all flooding sources with drainage areas greater than a square mile within the county. We are working on issuing that contractor's task order and after that occurs, a kickoff meeting with communities will be scheduled.
- Colorado Hazard Mapping Program (CHAMP) Phase 3: This set of studies originated from the Colorado Senate Bill (15-245) which was put forth as a response to the destructive 2013 flooding along the Front Range. This bill released funding to better assess and map various flood related hazards, including debris flows and erosion, throughout Colorado. In this phase CWCB funded a paper inventory reduction effort through various counties across the state. This would replace and update effective FIRM panels with updated digital flood hazard information. Counties that were affected by 2013 floods where local conditions were clearly changed. Several county projects that were scoped as part of this CHAMP effort are still ongoing, including the ones listed below.
  - San Miguel County PMR: This PMR has been on hold for almost three years pending as-constructed data from the Town of Telluride for the Valley Floor Restoration project. The Valley Floor Restoration project completely re-aligned the San Miguel River to its historic location through open space areas west of the Town. The dramatic changes along the San Miguel River resulting from the project are being revised with an ongoing LOMR on the effective FIRM and FIS information. Once the LOMR has been issued, the as-built project data will be incorporated into the updated San Miguel River hydraulic analysis and flood hazard mapping for the PMR. CWCB will coordinate with San Miguel County communities through in-person meetings to wrap up the Data Development (Phase 2) before moving forward with development of preliminary products (Phase 3). CWCB will be coordinating with Trout Unlimited that has partnered with the USFS for a channel and riparian restoration project along the San Miguel River (west of the Telluride LOMR). Coordination will address the proposed revisions and getting the changes reflected in final PMR products.
  - Lincoln County Phases 2-3: The Letter of Final Determination was issued on March 12, 2024, and the effective date for this project is September 12, 2024.
  - Saguache County: The preliminary products were distributed on January 12, 2024. We then held two Consultation Coordination Officer (CCO) meetings with the Town of Saguache and Saguache County in July. CWCB is currently planning to hold one or two public meetings in mid- to late-September.
- The Town of Crestone alluvial fan analysis work was put on hold, and we need to rescope this part of the project to focus on non-regulatory product development since alluvial fan mapping has very strict insurance and development implications that likely won't help the community's planning goals.

*(Terri Fead, Marta Blanco Castaño)*

#### **Watershed and Flood Protection Section Adds New Staff Member**

After a months long search, the Flood Section is pleased to announce the hiring of a new employee. Caitlin McDaniel began work on September 3<sup>rd</sup>, and will ultimately replace Terri Fead as the Floodplain Mapping Program Manager. Terri Fead will be retiring at the end of November ending a distinguished career of 43 years. Terri is remaining in an S Position to work alongside Caitlin until the end of November.

Caitlin comes to the CWCB with 8 ½ years of experience, most recently as a consulting engineer with Matrix Design Group in Denver. Caitlin has worked for many years in FEMA-related processes and is well-suited to take over management of the Floodplain Mapping Program. She has a bachelor's degree from Valparaiso and two master's degrees from the University of Wisconsin. She is a licensed Professional Engineer in Colorado and is a Certified Floodplain Manager.

Caitlin will be hard at work learning this program during the September board meeting but will be present at the November meeting so that she can meet the members of the Board.

(Kevin Houck)

## WATER SUPPLY PLANNING SECTION UPDATES

### September 2024 Director's Report

#### Water Supply Planning:

The CWCB Guide, for the CWCB Board, Roundtables, and IBCC, is being refined with Russ Sands and Jeff Rodriguez sharing updates with roundtables. Finalization is expected this fall.

#### Water Conditions:

As of the end of August, 51% of the state is drought-free, 40% is at D0. Eight counties face D2 drought. NOAA forecasts neutral ENSO conditions for the rest of this summer, with a La Niña likely in mid-fall, increasing the risk of warmer, drier conditions. The next Water Conditions Monitoring Committee meeting is on September 24, 2024.

#### Water and Land Use Planning:

CWCB, the State Demographer, and DOLA are addressing new requirements from SB-174 (Land Use Bill). They will jointly develop a methodology for water supply needs to complement DOLA's Housing Needs Assessments. The Water and Land Use Planning Alliance met on August 29th, focusing on aligning grant criteria and collaboration between DOLA and CWCB.

#### Water Loss Control and Management:

The Colorado Water Loss Initiative's Phase II, which launched on September 1, 2021, has 79 utilities registered to date. Basic water loss auditing training continues to be in demand and is likely to remain so with new water loss reporting requirements from the CWCB. The Water Loss Control and Management Committee, which met on August 30th, reviewed survey work to guide future efforts and will continue to build a roadmap for future work.

#### Speaking Engagements:

Kat Weismiller and Kevin Reidy presented on new water loss requirements at Denver Water's annual distributors meeting in July. Russ Sands and Kevin Reidy also spoke at the Rocky Mountain Water Conference and Russ Sands at the Annex COS event. Upcoming presentations by Russ Sands and Jenna Battson include the C9 Summit, WaterSmart Innovations in Las Vegas, and the Sustaining Watersheds Conference in Avon, CO where they will talk about new CWCB research on water savings potential from turf replacement.

### Director's Report - Water Supply Reserve Fund Grants Director's Report – September 2024

#### WATER SUPPLY RESERVE FUND GRANTS:

The following table summarizes the Water Supply Reserve Fund Grants \$50,000 and was approved by CWCB Director, Lauren Ris, on September 3, 2024.

Basin	Applicant/Grantee	Name of Water Activity	Basin(s) Account Request	Statewide Account Request	Total Request	Staff Funding Recommendation
Metro	Lincoln Hills Cares	Youth River Summit	\$15,000	0	\$20,000	\$20,000
South Platte			\$5,000			



Rio Grande	Colorado Master Irrigator	Colorado Master Irrigator – Moisture Probe Project	\$45,677	\$0	\$45,677	\$45,677
Rio Grande	Rocky Mountain Bird Observatory, dba Bird Conservancy of the Rockies	Venetero Creek Restoration Project	\$42,997.96	\$0	\$42,997.96	\$42,997.96
South Platte	Boulder & White Rock Ditch & Reservoir Company	6 Mile Reservoir Improvement Project	\$26,078	\$0	\$26,078	\$26,078
South Platte	Farmers Independent Ditch Company	Farmers Independent Ditch Lining Project Feasibility Study	\$12,337.50	\$24,675	\$37,012.50	\$37,012.50
South Platte	North Front Range Water Quality Planning Association	Regional GIS Sanitary Sewer System Map – Region 2	\$18,750	\$0	\$18,750	\$18,750
South Platte	Osborn Lateral Ditch Company	Osborn Lateral Ditch Loss Mitigation Project	\$4,536	\$27,217	\$31,753	\$31,753



**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

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Denver, CO 80203

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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Lauren Ris, CWCB Director

**TO:** Lauren Ris, CWCB Director

**FROM:** Cole Bedford P.E., Chief Operating Officer  
Jackie Daoust, Regional Grant Manager (South Platte, Metro, North Platte)  
Lauren Duncan, Regional Grant Manager (Arkansas)  
Ashley Garrison, Regional Grant Manager (Colorado, Gunnison,  
Yampa/White/Green)  
Laura Spann, Regional Grant Manager (Southwest, Rio Grande)

**DATE:** September 3, 2024

**RE:** Water Plan Grants - Recommendations under \$50,000

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### Staff Recommendation

Staff recommends Director action on 6 Water Plan Grant applications below \$50,000 as described in the following summary tables.

### Introduction

The 2024 Water Projects Bill (SB24-1435) appropriated \$23.3M for Water Plan Grant awards available beginning in fiscal year 2025. Water Plan Grant awards are made in two cycles during the fiscal year. The due date for the first review cycle of the 2025 fiscal year was July 1, 2024. By that date, CWCB had received 41 applications requesting \$11.4M. All applications are available for public viewing online at: <https://cwcb.colorado.gov/july-2024-water-plan-grant-applications>

The process of reviewing the applications consisted of soliciting feedback from CWCB regional and technical experts, consultations with other state agencies, dialog with the applicants, and consideration by all CWCB sections. During the process, three applicants withdrew resulting in 38 staff recommendations for consideration. The end result of the review is a portfolio of recommendations representing the strongest individual projects which collectively best advance the Colorado Water Plan. \$9.3M in awards are recommended.

Per CWCB Policy #25, grant recommendations are considered for approval in three separate groups, depending on the amount recommended. Those awards above \$100,000 will be placed on the full agenda for consideration by the Board, those between \$50,000 and \$100,000 and those not recommended for funding will be placed on the consent agenda, and those below \$50,000 are considered by the CWCB Director. This memorandum recommends approval of 6 applications below \$50,000 for a total recommended amount of \$212K as shown in Table 1. See attached Data Sheets for additional project details.



Table 1: Award Recommendations below \$50,000

Category	Number of Applications	Recommended
Agriculture	0	\$ 0.00
Conservation & Land Use	2	\$ 86,423.00
Engagement & Innovation	3	\$ 85,459.14
Water Storage & Supply	1	\$ 40,208.00
Watershed Health & Recreation	0	\$ 0.00
Total	6	\$ 212,090.14

**Project Issues/Additional Needs:**

- All funding awards are contingent upon the applicants' ability to secure match funding.
- Grantees should adequately address CWCB staff comments to scopes of work and engineering designs (when applicable). Staff will contact each successful applicant to discuss comments and contracting procedures prior to contracting.
- All grantees should adhere to their organizational procurement policies when hiring contractors and consultants. CWCB recommends that State procurement policies be used as a guide if an organization does not have procurement policies.
- Projects should comply with the CWCB's Rules and Regulations for Regulatory Floodplains in Colorado, when applicable.



#### Conservation & Land Use

	Applicant	Project Name	Request	Recommendation	Total Project Cost	Match	Basin
1	City of Glenwood Springs	Glenwood Springs Municipal Water Efficiency Plan Update	\$45,000.00	\$45,000.00	\$60,000.00	25%	Colorado
2	Town of Berthoud	Town of Berthoud Water Efficiency Plan	\$41,423.00	\$41,423.00	\$71,318.00	42%	South Platte

**\$86,423.00**

#### Engagement & Innovation

	Applicant	Project Name	Request	Recommendation	Total Project Cost	Match	Basin
3	Quivira Coalition	Education on Accessible Waterway Restoration	\$15,000.26	\$15,000.26	\$38,074.55	60%	Metro/Statewide
4	Roaring Fork Water Conservancy	Impact Reporting on the Crystal River Restoration Project	\$43,141.88	\$43,141.88	\$57,522.51	25%	Colorado
5	Coldharbour Institute	Western Colorado Water Resource Professional Capacity and Water Education Project	\$27,317.00	\$27,317.00	\$55,849.00	51%	Gunnison

**\$85,459.14**

#### Water Storage & Supply

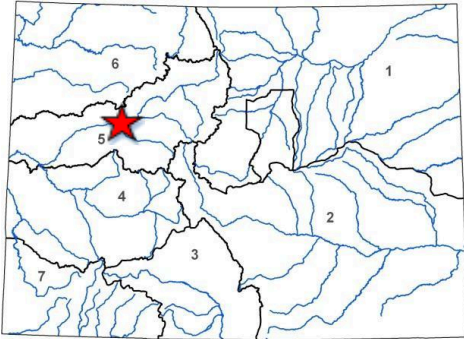
	Applicant	Project Name	Request	Recommendation	Total Project Cost	Match	Basin
6	Big Stick Ditch Company	Soldiers Draw Reservoir No.1 Feasibility Study	\$40,208.00	\$40,208.00	\$53,611.00	25%	Southwest

**\$40,208.00**





## Water Plan Grant Program Application



LOCATION	
County/Countries:	Garfield
Drainage Basin:	Colorado River Basin

DETAILS	
Total Project Cost:	\$60,000.00
Water Plan Grant Request:	\$45,000.00
Recommended amount:	\$45,000.00
Other CWCB Funding:	\$0
Other Funding Amount:	\$0
Applicant Match:	\$15,000.00
Project Type:	Plan
Project Category:	Conservation and Land Use Planning
Measurable Result:	10,264 Coloradans impacted by water savings actions and land use planning

The City of Glenwood Springs is requesting funding to complete an update to the City's Water Efficiency Plan. Glenwood Springs first created a Water Efficiency Plan in 2015. Since then, they have implemented many projects and initiatives from the plan including creating a turf buyback program and water efficient appliance rebate program, upgraded water meters to track and measure water efficiency activities, updated landscaping regulations in residential zones to emphasize water efficiency. While Glenwood Springs has grown over the last decade, water use has decreased from 1,998 acre-feet to 1,921 acre-feet.

An updated plan is needed to prioritize and identify water-related projects and programs to conserve and protect water, provide a robust framework for sustainable water use that accommodates future growth and development while protecting water resources, and enhance the City's ability to resilience to the effects of climate change. The plan will have a strong focus on education, incentives to drive innovation, right-pricing to facilitate efficient water use, and regulatory components to create water-efficient development, as well as to reduce water waste.

The Plan will also guide the update of the Roaring Fork Water Conservancy's Regional Water Efficiency Plan, which includes information from local plans from Aspen, Snowmass, Carbondale, Basalt, and Glenwood Springs.

The plan will follow CWCB's Water Efficiency Plan guidelines. Match is provided by the City.

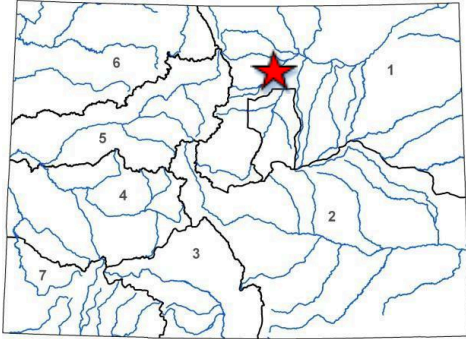
This project aims to advance the Colorado Water Plan goals through resilient planning and creating an opportunity for the City to secure safe drinking water, develop local water-conscious land use strategies, and encourage a high level of basin-wide conservation.

### Funding Recommendation:

Staff recommends full funding of \$45,000.00 to the City of Glenwood Springs for Glenwood Springs Municipal Water Efficiency Plan Update.



## Water Plan Grant Program Application



LOCATION	
Counties:	Weld; Larimer
Drainage Basin:	South Platte

DETAILS	
Total Project Cost:	\$71,318.00
Water Plan Grant Request:	\$41,423.00
Recommended amount:	\$41,423.00
Other CWCB Funding:	\$0
Other Funding Amount:	\$0
Applicant Match:	\$29,895.00
Project Type:	Planning
Project Category:	Conservation and Land Use Planning
Measurable Result:	60,000 Coloradans impacted by incorporating water-saving actions into land use planning; 13,600 Coloradans impacted by engagement activity

Colorado Water Plan Grant funding will support the Town of Berthoud (Berthoud) in preparing a water efficiency plan to implement a water efficiency program and build on their past water conservation efforts.

Berthoud has not previously submitted a water efficiency plan to the CWCB because they were under the 2,000 acre-feet retail water threshold to require a water efficiency plan in order to receive funding. However, Berthoud has previously developed water conservation plans as required under their water conveyance contract with the Bureau of Reclamation for delivery of Colorado-Big Thompson Project water.

Berthoud has 5,403 water taps and receives water supplies from Colorado-Big Thompson Project, Windy Gap Project, the Big Thompson River, and irrigation ditch shares. Berthoud is projected to have significant near- and long-term population growth.

With their water efficiency plan, Berthoud will 1) develop direction and guidance for implementing water efficiency; 2) leverage regional partnerships to optimize water efficiency opportunities and available resources; 3) identify multi-pronged opportunities associated with water efficiency measures such as climate resiliency, watershed health, community benefits, and 4) ensure their water efficiency plan meets CWCB guidelines.

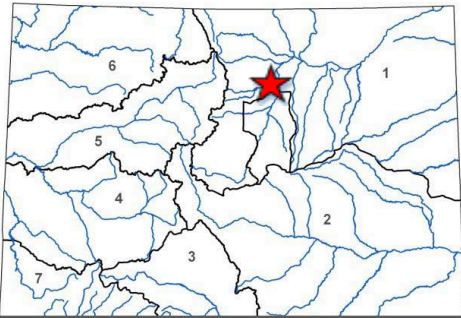
This water efficiency plan has the support of the South Platte Basin Roundtable and advances the Colorado Water Plan goal to have 75% of Coloradans living in communities that have incorporated water-saving actions into land use planning by 2025.

### Funding Recommendation:

Staff recommends full funding of \$41,423.00 to the Town of Berthoud for their water efficiency plan.



## Water Plan Grant Program Application

	LOCATION	
	County/Countries:	Statewide
	Drainage Basins:	Statewide
DETAILS		
Total Project Cost:	\$38,074.55	
Water Plan Grant Request:	\$15,000.26	
Recommended amount:	\$15,000.26	
Other CWCB Funding:	\$0	
Other Funding Amount:	\$0	
Applicant Match:	\$23,074.28	
Project Type:	Education	
Project Category:	Engagement and Innovation	
Measurable Result:	2,000 Coloradans impacted by engagement activities	

The Colorado Water Plan Grant will support Quivira Coalition's initiative to educate and engage communities about accessible, low-tech water restoration methods. The grant will fund the production and distribution of Bill Zeedyk's book *Let the Water Do the Work* in print and audiobook formats, as well as host a community book launch and documentary screening event.

Quivira's project addresses the urgent need for community education on water conservation and restoration strategies. By sharing practical, low-cost restoration techniques, this project empowers land stewards and communities to enhance watershed resilience.

The success of the project will be measured by the number of books distributed, the attendance at the book launch and film screening event, and the engagement and feedback received from the practitioners. The project aims to reach 2,000 individuals, fostering broader adoption of water restoration practices and promoting increased awareness and community involvement in these efforts.

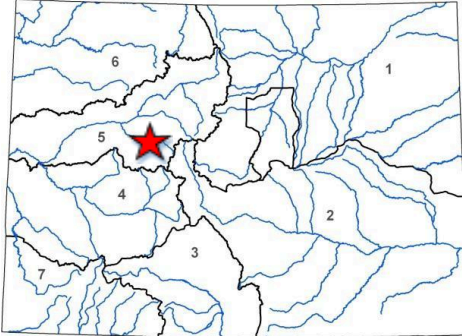
The project partners include local land stewards, ranchers, and community organizations who will participate in the book launch event. Quivira also collaborates with educational institutions and local stakeholders to expand outreach and engagement.

This project aligns with the Colorado Water Plan's goals by promoting education and community engagement in water restoration. The book and event support the Thriving Watersheds Action Area by disseminating techniques for reconnecting floodplains and managing water sustainably. Finally, this project supports Resilient Planning and Robust Agriculture by highlighting real-world applications of water conservation strategies across Colorado.

**Funding Recommendation:** Staff recommends full funding of \$15,000.26 to the Quivira Coalition for their project Education on Accessible Waterway Restoration.



## Water Plan Grant Program Application



LOCATION	
Counties:	Pitkin; Garfield
Drainage Basin:	Colorado

DETAILS	
Total Project Cost:	\$57,522.51
Water Plan Grant Request:	\$43,141.88
Recommended amount:	<b>\$43,141.88</b>
Other CWCB Funding:	\$0
Other Funding Amount:	\$0
Applicant Match:	\$14,380.630
Project Type:	Planning
Project Category:	Engagement and Innovation
Measurable Result:	45,000 Coloradoans Impacted by engagement activity

Roaring Fork Conservancy (RFC) is requesting funding to complete a report on the community and ecological impacts of the Crystal River Restoration and Efficiency Project. This type of report is unique in capturing more than the ecological response to a river restoration project, and encompassing the significance to the community.

RFCs mission is to inspire people to explore, value, and protect the Roaring Fork Watershed. They bring people together to protect rivers and keep water in local streams, monitor water quality, and preserve riparian habitat in the Roaring Fork Valley. RFC

This project will measure the community and ecological impact of the Crystal River Restoration project and share that impact with the Roaring Fork community and peers in the water community. The Crystal River Restoration and Efficiency Project at Riverfront Park was an eight-year multi-stakeholder collaboration to remediate the degradation of Carbondale's Crystal River and is a direct outcome of the Crystal River Management plan. Partners for the Project include: CWCB, Town of Carbondale, Aspen Valley Land Trust, American Rivers, Pitkin County Healthy Rivers, River Valley Ranch, Colorado Water Trust, Colorado River Water Conservation District, Colorado Parks and Wildlife, and US Fish and Wildlife.

Once the impact report is complete, RFC will share the results through local media. They will submit abstracts for consideration to Colorado water conferences including Sustaining Colorado Watersheds and Colorado Mesa's Upper Colorado Basin Water Forum. RFC staff has presented for River Network's Peer Learning and will be participating in River Network's Flow Cohort, which both provide additional relevant sharing opportunities. In addition, RFC will present this report at the Brooksher Watershed Institute speaker series which attracts around 50 in-person participants in Carbondale.

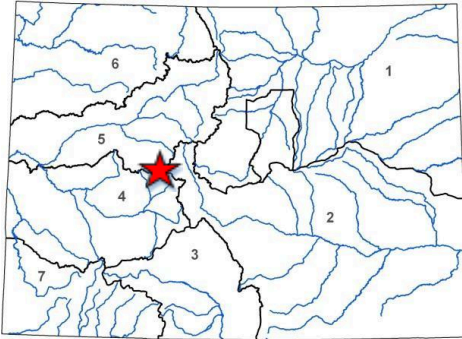
Showing the impact of this project through a monitoring and evaluation lens will highlight how the RFC used scientific studies, stream management planning and other methods to restore an impaired river reach, and enhance Colorado's outreach, education, and public engagement efforts in the Colorado Water Plan addressing resilience within watersheds.

### Funding Recommendation:

Staff recommends full funding of \$43,141.88 to the Roaring Fork Conservancy for the Impact Reporting on the Crystal River Restoration Project.



## Water Plan Grant Program Application



LOCATION	
County/Countries:	Gunnison
Drainage Basin:	Gunnison

DETAILS	
Total Project Cost:	\$55,849.00
Water Plan Grant Request:	\$27,317.00
Recommended amount:	\$27,317.00
Other CWCB Funding:	\$0
Other Funding Amount:	\$19,768.00
Applicant Match:	\$8,764.00
Project Type:	Engagement and Education
Project Category:	Engagement & Innovation Activities
Measurable Result:	250 Coloradans impacted by engagement activities

Colorado Water Plan Grant funding will support the development of an Ecological Restoration Graduate Certificate in partnership with Western Colorado University (WCU) and education for K-12 students through creating a Water Resource Education Pipeline with curriculum and educator training and support, and site visits to Coldharbour Institute Ranch.

Coldharbour Institute (CI) is a non-profit organization in Gunnison County that provides education and services in regenerative and restorative land practices. They host education sessions and conduct research at their 334 acre working ranch to provide technical training and increase awareness of management techniques that maintain the health of productive lands while providing for ecosystem needs.

To develop the Ecological Restoration Graduate Certificate, WCU faculty members will create program infrastructure, curriculum, and lead classroom and module instruction. CI staff will assist with curriculum development, coordinate hands-on restoration and field-based training opportunities, promote certificate and professional development opportunities, engage project partners, manage the project and coordinate field school logistics.

To develop the Water Resource Education Pipeline, CI will partner on the K-12 education with a curriculum expert from the Center for Education, Engagement and Evaluation at the Cooperative Institute for Research in Environmental Sciences, and two science education instructors from the Gunnison Watershed School District.

Funding partners include Western Colorado University and the Upper Gunnison Water Conservancy District. Local restoration and water resources professionals will assist with field instruction to complement faculty instructed modules including Trout Unlimited, the Natural Resources Conservation Service, Colorado Parks and Wildlife, and the Upper Gunnison River Water Conservancy District.

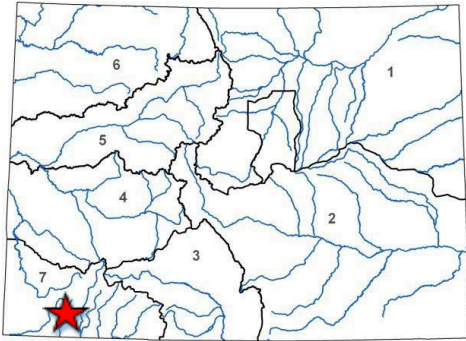
This project will advance Colorado Water Plan goals by building water awareness and technical capacity at many education levels in the Gunnison basin.

### Funding Recommendation:

Staff recommends full funding of \$27,317.00 to Coldharbour Institute for Western Colorado Water Resource Professional Capacity and Water Education Project.



## Water Plan Grant Program Application



LOCATION	
County:	La Plata
Drainage Basin:	Southwest

DETAILS	
Total Project Cost:	\$53,611.00
Water Plan Grant Request:	\$40,208.00
Recommended amount:	\$40,208.00
Other CWCB Funding:	\$0
Other Funding (ALPWCD):	\$10,053.00
Applicant Match:	\$3,350.00
Project Type:	Planning
Project Category:	Water Storage & Supply
Measurable Result:	1,000 new acre-feet of storage created (study)

Colorado Water Plan Grant funding will support a water supply and dam feasibility study for the Big Stick Ditch Company to explore the potential to utilize a conditional water right for Soldiers Draw Reservoir No. 1. The applicant anticipates the reservoir's 1,000 acre-foot storage capacity serving multiple purposes including irrigation, domestic supply, fish and wildlife, and augmentation in the La Plata River basin.

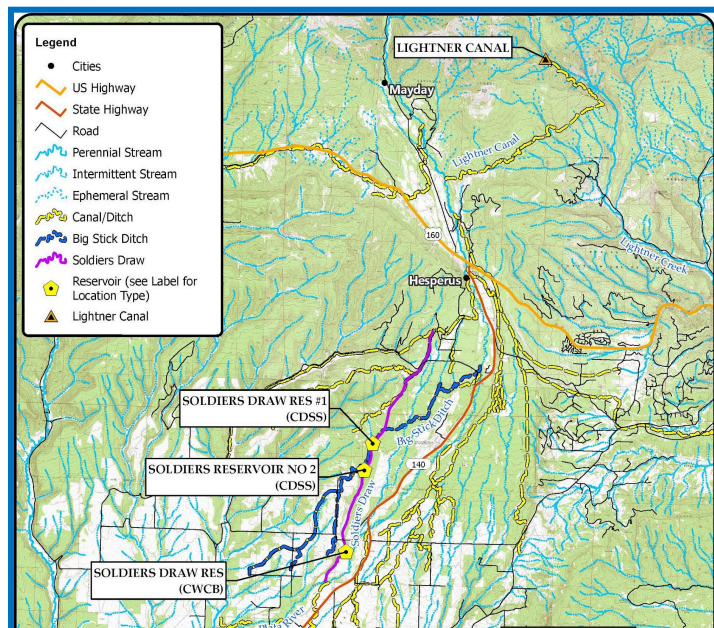
The feasibility study will evaluate 1) the physical and legal availability of water; 2) the potential permitting requirements and related challenges for construction of the proposed Soldiers Draw Reservoir No. 1; and 3) feasibility of the dam and site. The feasibility study will culminate in a comprehensive report which will include a preliminary design and engineer's cost estimate for the project.

La Plata River water users experience chronic shortages due to physical flow limitations and water rights administration. The Big Stick Ditch Company commits to identify and work collaboratively with local stakeholders and water users throughout the project to review project goals, plan site visits, discuss findings, address concerns, and strategize on project funding opportunities.

The Big Stick Ditch Company's 60 shareholders have committed company reserves to the feasibility study and have secured the remaining match from the Animas La Plata Water Conservancy District.

### Funding Recommendation:

Staff recommends full funding of \$40,208.00 to the Big Stick Ditch Company for the Soldiers Draw Reservoir No.1 Feasibility Study.



## INSTREAM FLOW

### Director's Report Attachment – CWCB September 18-19, 2024, Meeting Stream and Lake Protection Section De Minimis Cases

The following table summarizes the application that has the potential to injure the Board's instream flow water rights, but the impact is considered de minimis. In these cases, the cumulative impact to the Board's right is less than 1%. Pursuant to ISF Rule 8(e) (the de minimis rule), staff has not filed a Statement of Opposition in these cases and has provided the required notification to the Division Engineers and applicants.

Division	Case No.	Applicant	Stream/Segment ID	ISF Amount	Percent Injury (%)	Cumulative % Injury	Count
6	24CW0005	Steven and Gaylyn Meyers	Elk River 6-77W1331	65 (1/1 - 12/31)	0.03380 0.03380	0.32423 0.14488	8

### September 18-19, 2024 CWCB Board Meeting Instream Flow and Natural Lake Level Program Summary of Resolved Legal Protection Cases

The Board's Instream Flow ("ISF") Rule 8i(1) states:

In the event the pretrial resolution includes terms and conditions preventing injury or interference and does not involve a modification, or acceptance of injury or interference with mitigation, the Board is not required to review and ratify the pretrial resolution. Staff may authorize its counsel to sign any court documents necessary to finalize this type of pretrial resolution without Board ratification.

Staff has resolved issues of potential injury in the following water court cases. Staff had: (A) filed Statements of Opposition in the three cases listed below; and (B) obtained an agreement via a letter-in-lieu of filing a Statement of Opposition in three other case(s).

#### A. STATEMENTS OF OPPOSITION

##### (1) Case No. 20CW3014 (Water Division 3) - Application of Blanca Ranch Holdings, LLC and Trinchera Ranch Holdings, LLC

The Board ratified this Statement of Opposition at its January 2021 meeting. Applicant requested "Water Rights, Change of Water Rights, and Approval of Plan for Augmentation". Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured. CWCB's stipulation was filed with the Water Court on July 9, 2024. This case remains pending before the water court Referee.

The CWCB holds instream flow ("ISF") water rights, including the following, in Water Division 3 in the Alamosa-Trinchera watershed that could be injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Date s)	Approp. Date
82CW0230	Sangre de Cristo Creek	headwaters in vicinity of lat. 37 deg. 36'56" N, long. 105 deg. 11'35" W	confluence Creek	2 (1/1 - 12/31)	10/07/1982

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- Applicant agreed to include a more detailed map showing the dry up locations as well as the recharge pit and lateral locations.
- Applicant clarified its replacement plan, which is somewhat complex in this case.
- "...water will be delivered at the Espinosa Lateral in an amount up to the surface return flow obligation associated with the use/lose allocation and the remaining delivery will be made to the Recharge Facility to cover groundwater return flow obligations, all as shown on Exhibit D-2."

## **(2) Case No. 22CW3042 (Water Division 3) - Application of Forbes Park Land Owners Association**

The Board ratified this Statement of Opposition at its January 2023 meeting. Applicant requested "Absolute Underground Water Rights and Approval of Augmentation Plan". Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured. CWCB's stipulation was filed with the Water Court on July 23, 2024. This case remains pending before the water court Referee.

The CWCB holds instream flow ("ISF") water rights, including the following, in Water Division 3 in the Alamosa-Trinchera watershed that could be injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
82CW0230	Sangre de Cristo Creek	Headwaters in vicinity of lat. 37 deg. 36'56" N., long. 105 deg. 11'35" W.	confl Ute Creek at lat. 37 deg. 24' 20" N., long 105 deg. 29'54" W.	2 (1/1 - 12/31)	10/07/1982

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- Replacement from McCarty Pond and/or Forbes Park Lake. If the controlling call (including a call by the CWCB's instream flow water right decreed in Case No. 82CW230 on Sangre de Cristo Creek) is not Smith Reservoir or another water right owned by the Trinchera Irrigation Company that is making deliveries to Smith Reservoir and that right is located on Sangre De Cristo Creek or Wagon Creek above Smith Reservoir, the Association will release water from McCarty Pond or Forbes Park Lake in amounts and times to replace out-of-priority depletions determined pursuant to 12.D.

**(3) Case No. 21CW3175 (Water Division 5) - Application of Snowmass Club LLC, Snowmass Club Investors LLC, ABA Investors, LLC, and Woodmont Properties at Bridgewater, LLC**

The Board ratified this Statement of Opposition at its March 2022 meeting. Applicant requested "Approval of Plan for Augmentation and Conditional Appropriative Rights of Exchange". Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured. CWCB's stipulation was approved by the Court on August 12, 2024. This case remains pending before the water court Referee.

The CWCB holds instream flow ("ISF") water rights, including the following, in Water Division 5 in the Roaring Fork watershed that could be injured by this application:

Case Number	Stream	Upper Terminu s	Lower Terminu s	CFS Rate (Dates )	Approp. Date
85CW0646	Roaring Fork River	confl Maroon Creek	confl Fryingpan River	30 (10/1 - 3/31) 55 (4/1 - 9/30)	11/08/1985
85CW0639	Roaring Fork River	confl Fryingpan River	confl Crystal River	75 (10/1 - 3/31) 145 (4/1 - 9/30)	11/08/1985

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- Instream flow water rights subject to the Operation. Applicants have provided evidence that the evaporative depletions resulting from the Operation were a present use at the time of the CWCB's appropriation of the instream flow water rights decreed in Division 5 Water Court Case Nos. 85CW0646 (on the Roaring Fork River from its confluence with Maroon Creek to its confluence with the Fryingpan River) and 85CW0639 (on the Roaring Fork River from its confluence with the Fryingpan River to its confluence with the Crystal River) ("85CW0639 and 85CW0646 ISFs"). Therefore, under section 37-92-102(3)(b), C.R.S., the 85CW0639 and 85CW0646 ISFs are subject to the evaporative depletions resulting from the Operation as the Operation is described in paragraph 7. The only depletions in this case to which the 85CW0639 and 85CW0646 ISFs are subject are the evaporative depletions associated with the Operation. Confirming that the 85CW0639 and 85CW0646 ISFs are subject to evaporative depletions resulting from the Operation, as provided herein, shall not affect the administration of this augmentation plan as against other water rights, and shall not result in a general subordination of the 85CW0639 and 85CW0646 ISFs to any other junior water rights.

#### **B. LETTERS-IN-LIEU**

The following cases were resolved by Staff through negotiated letters in lieu of filing water court Statements of Opposition. This method of settlement is preferred when facts and time allow such negotiation before the Statement of Opposition period ends. In each case, CWCB staff will continue to

monitor the proposed rulings and decrees. In each case, Applicant has agreed to not oppose a Motion to Intervene if the agreed upon terms are not included. The following were negotiated to resolution:

**(1) Case No. 22CW3050 (Water Division 4) - Application of Genesee Properties, Inc.**

During the December 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 02CW0277, 05CW0154, 11CW0129, 84CW0427, and 84CW0429 on the San Miguel River. This case was resolved with CWCB by a letter agreement, dated June 5, 2024, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates the following terms and conditions into any draft and final decrees and Applicant agrees to not oppose a Motion to Intervene by CWCB if such terms and conditions are not included.

**Decree Term**

- "Applicant recognizes that the CWCB holds existing instream flow water rights on the San Miguel River decreed in Case Nos. 84CW427, 84CW429, 02CW277, 05CW154, and 11CW129, and on the Dolores River decreed in Case No. 15CW3111, which were decreed prior to the filing of this case.
- "The exchange claimed herein runs through the San Miguel River instream flow water rights decreed in Case Nos. 84CW427 and 05CW154. Applicant shall make replacements for its out-of-priority diversions or depletions, as appropriate, from its on-site storage, or other augmentation sources above the point of depletion, rather than from Trout Lake. If insufficient on-site augmentation water is available to replace out-of-priority depletions, Applicant shall curtail all diversions resulting in out-of-priority depletions."

**(2) Case No. 24CW0011 (Water Division 4) - Application of Tyler W. Fletcher, Aubrey E. Fletcher, Michael A. McNeil, and Deborah J. McNeil**

During the March 2024 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case No. 21CW3064 on Cow Creek. This case was resolved with CWCB by a letter agreement, dated August 6, 2024, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates the following terms and conditions into any draft and final decrees and Applicant agrees to not oppose a Motion to Intervene by CWCB if such terms and conditions are not included.

- The land to be irrigated with this changed water right is the same as the historically irrigated land.
- Applicant shall include a map of the land to be irrigated.

**(3) Case No. 24CW3051 (Water Division 5) - Application of M. A. Concrete Construction, Inc. and Clifton Sanitation District**

During the May 2024 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 92CW0286 on Colorado River. This case was resolved with CWCB by a letter agreement, dated August 6, 2024, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates the following terms and conditions into any draft and final decrees and Applicant agrees to not oppose a Motion to Intervene by CWCB if such terms and conditions are not included.

- The 32.5 Road Gravel Pit is currently in the reclamation stage of its operations, and as such there will be no future mining and no additional material removed from the pit. Applicant is working toward reclaiming the mine and meeting its water obligations while it closes out its mining permit. The claim of 53.27 acre-feet per year is for the evaporation of this pit with a maximum 13.8 acre surface area.





**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

1313 Sherman Street  
Denver, CO 80203

P (303) 866-3441  
F (303) 866-4474

Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Lauren Ris, CWCB Director

**TO:** Colorado Water Conservation Board Members

**FROM:** Kirk Russell, P.E., Finance Section Chief

**Board Meeting:** September 18, 2024 Board Meeting

**Directors Report:** Water Project Loans  
Interest Rates

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### Introduction

The CWCB establishes interest rates bi-monthly for the Water Project Loan Program (per Financial Policy #7).

The current rates for a 30-year term are as follows:

- 2.10% - Agricultural
- 2.95% - Low-income Municipal
- 3.35% - Middle-income Municipal
- 3.80% - High-income Municipal
- 6.00% - Commercial
- 2.00% - Hydroelectric

The standard loan term is 30 years. Rates are reduced by 0.25% for 20-year loans, and by 0.90% for 10-year loans. Rates are increased by 0.25% for 40-year loans.

The rates can also be found on the CWCB web site under the "Loans and Grants" tab. These rates will be applicable for loans presented at this Board meeting.





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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Lauren Ris, CWCB Director

**TO:** Colorado Water Conservation Board Members

**FROM:** Matthew Stearns, P.E., Project Development

**DATE:** September 18, 2024 Board Meeting

**DIRECTORS REPORT:** Water Project Loan Program  
Prequalified Project List and Loan Prospect Summary

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The Finance Section compiles a list of prequalified projects for the Water Project Loan Program. In order to be included on this list, potential borrowers must submit a Loan Application and three years of financial statements to the CWCB staff. In addition, Borrowers requesting to be placed on the Prequalification Project List have a defined project, have performed preliminary engineering, and have a reasonable estimate of the project costs.

Projects on this list fit the initial criteria of the Water Project Loan Program; however, the list does not constitute loan approval. In order to receive a loan, borrowers must additionally submit a completed Loan Feasibility Study for review by CWCB staff. Staff will then prepare a recommendation to the Board for approval at a future CWCB meeting. Projects will remain on this list for one year from the date of the application or until Board approval of a loan.



## Prequalified Project List

BORROWER	PROJECT NAME	APPLICATION DATE	BASIN	PROJECT DESCRIPTION	PROJECT COST/LOAN AMOUNT
Previously Approved Applications					
Sustainable Water Augmentation Group, Inc.	Water Rights Purchase	July 1, 2022	Rio Grande	The Corporation is purchasing two irrigated farm/ranch properties where 39 center pivot irrigation circles will be retired, and surface water rights will be used to replace stream depletions to the Rio Grande caused by groundwater withdrawals of member wells.	\$39,200,000
Total					\$39,200,000



The Finance Section also compiles a list of potential borrowers/projects for the Water Project Loan Program. This list represents borrowers that have contacted the CWCB about a potential need for funding but have not submitted a loan application and loan feasibility study. Projects are also identified if they have a Health/Safety (\*), Economic Impact (†), or Federal Match (‡) component.

BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
<b>South Platte</b>		
NISP Participants	NISP	\$750,000,000
Woods Lake Mutual Ditch Company	Culvert Replacement	\$150,000
Town of Kersey	Water Line Project	TBD
Riverside Reservoir and Land Company	Ditch Rehabilitation	\$250,000
Town of Bennett	Raw Water Tank	\$500,000
Evergreen Metro District	Evergreen Dam Enlargement	TBD
Left Hand Water District	Dry Creek Reservoir	TBD
Shawnee Water Consumers Association	Reservoir Rehabilitation	\$200,000
Boulder and White Rock Ditch & Res. Co.	Reservoir Dredging	TBD
Western Mutual Ditch Company	Reservoir Dredging	TBD
Bergen Ditch and Reservoir Company (*)	Reservoir Rehabilitation	\$140,000
Louviers Water and Sanitation District	Regional Connection	TBD
City of Fort Collins	Irrigation Ditch Piping	\$20,000,000
City of Fort Collins	Halligan Reservoir Enlargement	\$120,000,000
SPROWG Participants	SPROWG	\$1,800,000,000
City of Milliken (*)	Hillsboro Dam Rehabilitation	\$15,000,000
Colorado Parks and Wildlife (*)	Tarryall Dam Rehabilitation	\$5,000,000
Standley Lake Operating Committee	Reservoir Expansion	TBD
Danna Ortiz	Knouth Reservoir Rehabilitation	\$3,000,000
Loup Reservoir Company	Loup Reservoir Rehabilitation	TBD
Arthur Irrigation Company	Ditch Rehabilitation	TBD
Handy Ditch Company	Welch Reservoir Rehabilitation	\$1,000,000
Glacier Lake Property Owners	Glacier Lake Outlet Rehabilitation	TBD
Central, City of	Raw Water Pipeline	TBD
Denver, City of	Floodplain Improvement	TBD
Consolidated Mutual Water Company (*)	Reservoir Rehabilitation	TBD
Wadley Farms 3 HOA	Reservoir Rehabilitation	TBD
Loveland Lake and Ditch Company	Reservoir Rehabilitation	TBD
Inverness Water and Sanitation District	Reservoir Improvements	\$2,000,000
Cottonwood Water and Sanitation District	Reservoir Improvements	\$1,600,000
Arapahoe County W/WW Authority	Reservoir Improvements	TBD
Highland Ditch Company	Raw Water Pipeline	TBD
Sterling Irrigation Company	Ditch Bypass Structure	\$1,135,000
<b>Subtotal</b>		<b>\$2,719,975,000</b>



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
<b>Arkansas</b>		
Town of Manitou Springs	Raw Water Pipeline	\$3,000,000
City of Woodland Park	Storage Project	\$1,000,000
Holbrook Ditch Company	Reservoir Enlargement	TBD
Lake County	New Reservoir	TBD
Catlin Canal Company	Canal System Improvement	\$1,500,000
Donala Water and Sanitation District	Ditch Construction	TBD
Fort Lyons Canal Company (+)	Diversion Structure Repair	\$500,000
Aguilar, Town of (‡)	New Augmentation Reservoir	TBD
Huerfano County	Water Rights Purchase	\$1,200,000
Lincoln Park Crooked Ditch Company	Ditch Rehabilitation	TBD
Huerfano Cucharas Irrigation Company	Reservoir Rehabilitation	\$200,000
Fruitland Water Company	Ditch Piping Project	\$400,000
Walsh, Town of	Water Rights Purchase	\$560,000
Deweese Dye Ditch Company	Outlet Pipe Rehabilitation	\$100,000
Triview Metropolitan District	New Reservoir	\$8,000,000
Lower Arkansas Valley WCD	Water Rights Purchase	\$28,000,000
Lamar Canal Company	Siphon Rehabilitation	TBD
<b>Subtotal</b>		<b>\$44,460,000</b>
<b>San Miguel/Juan</b>		
Town of Bayfield	Ditch Piping Project	\$500,000
Redmesa Reservoir and Ditch Company(*)	Redmesa Reservoir Enlargement	\$11,500,000
City of Cortez	Distribution System (Loss Prevention)	\$10,000,000
Webber Ditch Company (‡)	Ditch Piping Project	TBD
Pagosa Area Water and Sanitation Dist. (*)	Raw Water Pipeline Rehabilitation	TBD
Farmers Water Development Company	Reservoir Rehabilitation	TBD
Lone Cone Ditch and Reservoir Company	Reservoir Rehabilitation	TBD
Sellers McClane Reservoir and Ditch Co.	Reservoir Rehabilitation	TBD
Forest Lakes Metropolitan District	Dam Rehabilitation	TBD
<b>Subtotal</b>		<b>\$22,000,000</b>
<b>Colorado</b>		
Orchard Mesa Irrigation District	Lateral Piping	\$300,000
Silt Water Conservancy District	Harvey Gap Reservoir	\$300,000
Middle Ditch	Ditch Piping Project	TBD
Gunther Covers	Christenson Dam	TBD
Town of Minturn	New Well Field	\$5,220,000
Fruita, City of	Reservoir Rehabilitation	TBD
Circle C Ranch	King Dam Rehabilitation	TBD
Royal Elk Ranch	Ditch Rehabilitation	\$2,000,000
Clifton Water District	New Reservoir	\$8,000,000
<b>Subtotal</b>		<b>\$15,820,000</b>



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
<b>Gunnison</b>		
Bostwick Park Water Conservancy District	Dam Construction	TBD
Ouray, City of	Water Supply Pipeline	\$750,000
Grand Mesa Water Users Association	Reservoir Rehabilitation	\$600,000
Crested Butte, Town of	Dam Outlet Rehabilitation	TBD
Lone Cabin Ditch Company	Ditch Rehabilitation	TBD
Otter Pond HOA	Dam Rehabilitation	\$650,000
Project 7 Water Authority	Raw Water Pipeline	TBD
<b>Subtotal</b>		<b>\$2,000,000</b>
<b>North Platte</b>		
Colorado Parks and Wildlife (*)	North Michigan Creek Reservoir	\$6,000,000
Walden, Town of	New Well	TBD
<b>Subtotal</b>		<b>\$6,000,000</b>
<b>Rio Grande</b>		
Manassa Land & Irrigation Co.	Ditch Rehabilitation	\$6,000,000
Baca Grande WSD	Water Rights Purchase	\$1,000,000
Sanchez Ditch and Reservoir Co.	Dam Rehabilitation	\$15,000,000
Rio Grande WCD - Subdistrict #1	Water Rights Purchase	\$5,000,000
Colorado Parks and Wildlife	Alberta Park Dam Rehabilitation	\$4,000,000
La Jara, Town of	System Rehabilitation	TBD
Crestone, Town of	Water Rights Purchase	\$200,000
San Luis Valley WCD	Water Rights Purchase	\$500,000
Rio Grande WCD	Water Rights Purchase	\$3,000,000
Subdistrict 6	Water Rights Purchase	\$5,000,000
<b>Subtotal</b>		<b>\$39,700,000</b>
<b>Yampa</b>		
Town of Oak Creek (*)	Reservoir Rehabilitation	\$5,600,000
Rio Blanco WCD	Wolf Creek Reservoir	\$100,000,000
Bear River Reservoir Company	Stillwater #1 Dam Rehabilitation	TBD
Marc Etchart	Procter Reservoir Rehabilitation	TBD
<b>Subtotal</b>		<b>\$105,600,000</b>





**COLORADO**  
**Colorado Water Conservation Board**  
Department of Natural Resources

1313 Sherman Street, Room 718  
Denver, CO 80203  
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Jared Polis, Governor  
Dan Gibbs, DNR Executive Director  
Lauren Ris, CWCB Director

To: Colorado Water Conservation Board Members

From: Kirk Russell, P.E., Finance Section Chief  
Jessica Halvorsen, Program Assistant

Board Meeting: September 18, 2024 Board Meeting

Directors Report: Water Project Loan Program, Design & Construction Status Report

The CWCB Loan Program has Substantially Completed (14) projects in Calendar Year 2024 as shown in the Table. There are currently (45) projects authorized to receive loan funding totaling \$503M. There are (39) projects currently under contract and in the Design/Construction phase totaling \$300M. The attached spreadsheet summarizes the status of all loans. A detailed description about each project is provided on the CWCB website under Water Project Loan Program. [www.cwcb.colorado.gov/loans-grants/water-project-loan-program](http://www.cwcb.colorado.gov/loans-grants/water-project-loan-program)

	Borrower	Project	County	Loan Amount	Complete
1	City of Grand Junction	Carson Reservoir Dam Rehabilitation Project	Mesa	4,343,000	1/24/24 (a)
2	Orphan Wells of Wiggins	Kiowa Creek Dam Rehabilitation	Morgan	\$357,873	3/1/24
3	Billings Ditch Company	Billings Ditch Implementation Project	Rio Grande	\$126,250	3/1/24
4	East Mesa Water Company	East Mesa Emergency Ditch Repair	Garfield	\$43,347	5/1/24
5	Oxford Farmers Ditch Company	Chicosa Siphon Repair	Otero	\$1,323,979	5/1/24
6	Tunnel Water Company	Headgate Improvements (Wildfire Impact)	Larimer	950,575	5/1/24
7	Genesee Water and Sanitation District	Genesee Reservoir No. 1 Enlargement	Jefferson	\$5,122,625	6/1/24 (b)
8	Ogilvy Augmentation Company	Loloff Reservoir Acquisition	Weld	\$1,140,290	6/1/24 (c)
9	Root and Ratliff Ditch Company	Ditch Piping and Rehabilitation	Montezuma	\$250,408	6/1/24
10	Grand Junction, City of	Kannah Creek Flowline Replacement	Mesa	2,246,326	6/1/24
11	Glenwood Springs, City of	System Redundancy and Pre-Treatment Improvements	Garfield	\$3,777,754	6/1/24
12	Triview Metropolitan District	Stonewall Springs Reservoir Complex	Pueblo	\$5,202,439	6/1/24 (d)
13*	Fort Morgan Reservoir and Irrigation Company	Augmentation Pump Replacement Project	Fort Morgan	\$1,644,076	8/1/24
14*	Last Chance Ditch Company	Measurement Structure Reconstruction Project	Weld	\$191,691	9/1/24
	* included in Director's Report		Total	\$26,720,633	

Calendar Year 2024 has added and preserved 4,731 acre-feet of reservoir storage; (a) 637; (b) 46; (c) 1,998; (d) 2,050







**COLORADO**  
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## Augmentation Pump Replacement Project

Fort Morgan Reservoir and Irrigation Company  
Substantially Complete August 1, 2024



### Project Description

The Company was organized in 1882, and diverts irrigation water for approximately 15,000 acres, and augmentation water for approximately 90 wells. These diversions are carried through the Fort Morgan Canal to recharge ponds and agricultural lands south of the South Platte River between Weldona and Brush for 98 shareholders.

The Company also has an operational agreement with Groves Farms, LLC to re-time excess augmentation credits from senior recharge projects when those credits are not needed for direct augmentation, and to divert water under new junior water rights when available for recharge and augmentation use. The infrastructure to implement this operation was originally constructed around 2012, with the Company's portion of the project funded with CWCB loan and grant funds.

The Project was the rehabilitation of this pipeline system, and included a new intake structure, an automated airburst system to backwash the intake screens, 4-stage vertical turbine pumps, and an insulated building to house the pumps and mechanical equipment. Loan funds covered the entire project cost for planning, design, and construction.

P R O J E C T   D A T A		
<i>Sponsor:</i> Fort Morgan Reservoir and Irrigation Company	<i>County:</i> Fort Morgan	<i>Water Source:</i> South Platte
<i>Type of Project:</i> Augmentation Facilities		<i>Board Approval Date:</i> January 2023
<i>Loan Terms:</i> 30yrs @ 2.05% (Original) \$1,770,530.00 (Final) \$1,643,693.95		
<i>Design Engineer:</i> Harris Engineering Consultants Inc.		
<i>Contractor:</i> Ransom Boone Excavation, LLC.		





## Measurement Structure Reconstruction Project

**Last Chance Ditch Company**  
Substantially Complete September 1, 2024

The Last Chance Ditch Company Measurement Structure Reconstruction Project is shown in the pictures below. The Project installed a new cast-in-place concrete flume which allows for accurate measurement of the flow rate through the ditch.



### Project Description

The Last Chance Ditch Company provides water from St. Vrain Creek to nearby farmers, special districts, commercial interests, and municipalities and is used for irrigation on approximately 820 acres as well as for augmentation, gravel mining, and municipal use.

The Last Chance Ditch Company's Measurement Structure Reconstruction Project focused on replacing the existing measurement flume for the ditch, which was identified as deficient by a Department of Water Resources Structure Assessment conducted in the spring of 2022. The steel walls of the flume had rusted out, the invert was too low to obtain an accurate flow rate reading, and scour was occurring on the downstream end of the flume. Last Chance Ditch Company replaced the failing flume with a new, cast-in-place concrete flume and installed a new stilling well, an enclosure for electronic monitoring equipment, and armoring of the ditch channel in the flume vicinity.

P R O J E C T   D A T A		
<i>Sponsor:</i> Last Chance Ditch Company	<i>County:</i> Weld	<i>Water Source:</i> St. Vrain Creek
<i>Type of Project:</i> Ditch Rehabilitation		<i>Board Approval Date:</i> November 2023
<i>Loan Terms:</i> 30 years @ 4.50% (Original) \$197,960 @ 4.50% (Final) \$191,691.01		
<i>Design Engineer:</i> Summit Water Engineers		
<i>Contractor:</i> Total Concrete Services Inc.		

# PROJECTS UNDER CONTRACT

PROJECT						STATUS			
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update	
Amity Mutual Irrigation Company	Queen Reservoir Dam Rehabilitation	Arkansas	CT2021-2224	\$2,600,000	Joshua Godwin	100%	50%	Construction ongoing. Some delays due to concrete contractor. Construction completion still expected for Fall 2024.	
Board of Water Works of Pueblo	Southside Diversion Dam Improvement Project	Arkansas	CT2024-1240	\$9,750,000	Joshua Godwin	100%	90%	Construction work is currently underway and expected to be complete Fall 2024.	
Breckenridge, Town of	Goose Pasture Tarn Dam Rehabilitation	Colorado	CT2023-0673	\$13,000,000	Cole Bedford	100%	98%	The project has been under construction since 2020. This loan is intended to cover the costs of the second half of the project which is starting in the fall of 2022. The first draw took place in December 2022. Construction will continue into 2024.	
Crawford Clipper Ditch Company	Crawford Clipper Ditch Improvements	Gunnison	CT2024-2009	\$750,000	Joshua Godwin	100%	75%	Construction delayed some, but still expected to be completed Fall 2024.	
Dove Creek, Town of	Reservoir No. 2	Southwest	CT2022-3321	\$800,000	Joshua Godwin	90%	0%	Engineers are finalizing design and sending to SEO for approval.	
Duke Ditch Company	Piping the Duke Ditch	Gunnison	CT2017-0915	\$90,000	Matt Stearns	100%	0%	NRCS finalized the design in August 2018. Federal grant expired. Company is evaluating options of applying for a loan increase and completing project without federal grant dollars.	
Florida Consolidated Ditch Company	Hess Lateral Improvement	Southwest	CT2019-2034	\$1,075,000	Kirk Russell	100%	0%	Company received a Water Smart Grant in April 2023. This \$2M will help cover the increase of construcion costs since the original bid in 2020. Project will be rebid this fall.	
Florida Consolidated Ditch Company	Florida Canal Diversion Replacement	Southwest	CT2021-2890	\$750,000	Matt Stearns	100%	95%	This project is the replacement of a low head dam diversion structure with multibeneficial outcomes. Construction began October 2023 and the contractor demobilized in December 2023. Contractor will return in the spring to revegetate and perform some landscaping.	
Fort Morgan Farms, LLC	Delta Water Storage Phase 1	South Platte	CT2021-2222	\$8,982,000	Zach Salin	100%	75%	Project completed Hazard Classification and 60% design for above-grade Spillway. Project requests "No Public Hazard", Dam Safety reviewing HC.	
Fruitland Irrigation Company	Tunnel and Canal Renovation	Gunnison	CT2019-2848	\$1,729,000	Kirk Russell	100%	80%	Company may need to request additional loan funds. Contracts have been extended.	
Grand Junction, City of	Purdy Mesa Flowline Replacement	Gunnison	CT2021-2857	\$7,000,000	Joshua Godwin	100%	75%	Construction restarted in May.	
Grand View Canal Irrigation Company	Grandview Canal Improvements	Gunnison	CT2024-4203	\$500,000	Joshua Godwin	90%	80%	Demolition and rebuild of diversion structure underway.	
Grand View Irrigation Company	Siphon Repair Project	Arkansas	CT2023-2058	\$350,000	Joshua Godwin	100%	100%	Project substantially complete.	
Groundwater Management Subdistrict of CCWCD	Hokestra Reservoir Purchase	South Platte	CT2020-3348	\$5,390,500	Zach Salin	100%	85%	Ponds 5/6 are fully completed and functional with pump installed as of 8/21/24. Design of the Pond 4 pump station will occur in 2025.	
Groundwater Management Subdistrict of CCWCD	Pioneer Reservoir	South Platte	CT2019-3687	\$8,611,000	Zach Salin	100%	90%	Construction is nearing completion; currently constructing pump house building. Central is working on a Crossing Agreement with Poudre Valle REA for power to pump station. Reservoir will be fully operational in November 2024. Next PR will be the final PR.	
Hidden Valley Water District	Master Water Meter Connection	South Platte	CT2020-2244	\$1,720,000	Kirk Russell	100%	95%	Assets and operations are all to the District. District signed and approved EMD IGA. EMD connect 7/2020. Construction complete, final walkthru Aug2020. Continued water court proceedings by EMD.	
Keensburg, Town of	Alluvial Water Rights Extension Project	South Platte	CT2024-2007	\$2,100,000	Joshua Godwin	0%	0%	Water rights purchase is complete. Construction of pipeline from wells to town expected in Fall 2024 and to be completed before the end of 2024.	
Lookout Mountain Water District	Upper and Lower Beaver Brook Dam Rehabilitation	South Platte	CT2021-3115	\$3,500,000	Joshua Godwin	100%	98%	Army Corp has accepted the district's solution to the pH issues. Beginning the SC process.	
Montezuma Valley Irrigation Company	Beaver Creek Ditch Repairs	Southwest	CT2024-3135	\$1,400,000	Joshua Godwin	100%	98%	Construction complete. Watching to make sure reseeding takes. Waiting for a full irrigation season before closing out loan.	
North Poudre Irrigation Company	Park Creek Expansion Project	South Platte	CT2023-2593	\$9,900,000	Zach Salin	60%	5%	Non-Projects Bill Loan increase effective. Received first 2 PRs drawing on Loan and Construction WPG. Construction is continuing with excavation of the downstream slope, subgrade prep at the spillway, completion of the sand filter chimney drain test bed, etc.	

**PROJECTS UNDER CONTRACT**

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
21 Ogilvy Irrigating and Land Company	Seely Reservoir Dredging	South Platte	CT2019-2099	\$2,252,000	Joshua Godwin	100%	98%	Construction complete. Working through SC process.
22 Orchard City Irrigation District	Fruitgrowers Reservoir Gates Replacement	Gunnison	CT2024-3098	\$500,000	Joshua Godwin	100%	100%	Construction complete. Working through SC process.
23 Platte Valley Irrigation Company	Platte Valley Reservoir No. 1	South Platte	CT2024-2005	\$4,500,000	Zach Salin	80%	0%	The project is currently working on the plan to relocate the FRICO diversion which will be impacted by the work. The plan is currently with FRICO for review/counsel comment. .
24 Redmesa Reservoir and Ditch Company	Redmesa Reservoir Rehabilitation Engineering	Southwest	CT2022-0498	\$183,000	Matt Stearns	60%	0%	This project is to engineer a financially feasible dam rehabilitation, including a potential enlargement. Work began on March 8, 2021. The Company has secured a local governmental sponsor and has been approved to proceed in the NRCS PL-566 program which will cover 100% of design and 75% of construction.
25 Rio Grande Water Conservation District Subdistrict No. 5	Saguache Pipeline	Rio Grande	CT2021-3846	\$6,020,000	Zach Salin	100%	50%	RCWCD submitted the PR for the purchase transactions in July 2024. The Augmentation well has been operating for 2 seasons now. Waiting for final invoice from driller, then will submit final PR. Project intends to SC soon.
26 Smith and Emmons Ditch Company	Diversion Structures Replacement Project	South Platte	CT2023-2473	\$410,000	Zach Salin	100%	10%	Project Plans complete and preparing to solicit bids (estimated bid in early October, selection mid-October, Precon beginning in November). Bryan Black taking over for Mark McLean (personal/bereavement leave)
27 Special Improvement District No. 3 of the RGWCD	Alpha Hay Farms Augmentation	Rio Grande	CT2023-2843	\$2,555,000	Zach Salin	100%	0%	Project is continuing to operate under their SWSP. RGWCD performed maintenance on the recharge pond as well as alterations to the pipeline to maximize operational efficiency, including installation of a VFD. Subdivided tracts of the property are being offered for sale to offset loan costs.
28 Special Improvement District No. 4 of the Rio Grande WCD	Peachwood Farms Augmentation & Sustainability	Rio Grande	CT2023-3361	\$3,456,000	Zach Salin	100%	50%	Project is continuing to operate under their SWSP. RGWCD performed maintenance on the recharge pond as well as alterations to the pipeline to maximize operational efficiency, including installation of a VFD. Subdivided tracts of the property are being offered for sale to offset loan costs.
29 Trinchera Conservancy District Groundwater Management Subdistrict	Augmentation Pipeline	Rio Grande	CT2022-3040	\$977,000	Kirk Russell	100%	99%	Project is complete. Substantial completion date TBD.
30 Trinchera Groundwater Management Subdistrict	Water Rights Purchase	Rio Grande	CT2025-0288	\$2,300,000	Joshua Godwin	100%	0%	Contracting complete. Awaiting PR from borrower to complete the water rights purchase.
31 Tunnel Water Company	West Half Laramie-Poudre Tunnel Rehabilitation	North Platte/South Platte	CT2019-3706	\$18,730,000	Kirk Russell	100%	100%	Construction was completed in spring of 2022 after delays due to Cameron Peak wildfire. After the '22 irrigation season, warranty review found tunnel lining caved in. Repair was made winter of 22/23. Discussion re cost increase responsibility. Loan increased by Board March '24
32 Twin Lakes Reservoir and Canal Company	Grizzly Reservoir Rehabilitation	Colorado	CT2024-2006	\$9,833,000	Joshua Godwin	95%	40%	Construction began in July. Dam face lining mostly complete and expects to be done in October 2024. The outlet gate has deteriorated greater than expected and will need to be replaced. This will push construction into summer 2025.
33 Uncompahgre Valley Water Users Association	Taylor Park Hydro Powerplant Project	Gunnison	CT2023-2565	\$1,685,000	Kirk Russell	100%	99%	This project is complete. Substantial Completion will be set for the spring of 2025 after power generation revenue begins.
34 Victor, City of	Victor Reservoir No. 2 Dam Rehabilitation	Arkansas	CT2021-3873	\$510,000	Kirk Russell	100%	99%	Town replaced the outlet tower per DWR/Dam Safety. Project is complete. City is determining amount of cash funds they will use. CWCB may deauthorize in Nov 2024.
35 Wiggins, Town of	Wiggins Recharge Facility at Glassey Farms	South Platte	CT2018-0892	\$2,385,000	Kirk Russell	100%	0%	The purpose of this project is to develop an augmentation water source for the Town. In August 2017 the Town purchased Glassey Farms and its associated water rights and 52% of funds were disbursed at that time. The project is back underway and an extension was granted.
36 Windy Gap Firming Project Water Activity Enterprise	Windy Gap Project (Chimney Hollow Reservoir)	South Platte	CT2021-2039	\$154,108,911	Zach Salin	100%	76%	Currently the Project is backfilling the upstream tunnel pipeline and grouting the dam abutments. The Projects also performed chemical grouting and placement of spillway slab sections. Carter Lake Interconnect occurred 8/29/24. PR amounts are being coordinated with Mimi and Treasury.
37	Grand Valley Water Users Association	Colorado	CT2022-2084	\$1,066,000	Matt Stearns	100%	98%	This project will replace the existing 2.75 MW hydroelectric powerplant with a new 4.5 MW facility. Contractor mobilized November of 2021, and construction of the power generation facility completed in November 2022. The powerplant is producing power (up to 3.2 MW as of July 2023) via a temporary interconnect with Xcel Energy, and will be fully operational in May 2024 via a permanent interconnect.
	Orchard Mesa Irrigation District		CT2022-2057	\$1,066,000				
38	Cottonwood Water and Sanitation District	South Platte	CT2015-0105	\$1,674,000	Kirk Russell	100%	90%	Binney Connection Pipeline of Water Infrastructure and Supply Efficiency project will increase WISE flow capacity to 30MGD and provide infrastructure from Aurora Binney Facility to SMWSA. Pumps/Treatment-Glacier, Pipeline/Infrastructure-T.Lowell, Jacobs is Engineer. Vault excavation began 9/2020. Construction trailer onsite through project duration. Glacier complete foundation work, pump cans have been delivered and installed, pump motors have arrived at the pump manufacture, preliminary SCADA meetings begun,
	Inverness Water and Sanitation District		CT2015-0119	\$2,105,000				

**PROJECTS UNDER CONTRACT**

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
Pinery (Denver SE Water and Sanitation District)			CT2015-0086	\$1,413,130				Glacier starting to form rebar for the flow control building, start laying pipe. Precast concrete walls for pump station complete.
Cottonwood Water and Sanitation District	WISE - Denver International Airport Connection	South Platte	CT2015-0104	\$363,600	Kirk Russell	98%	60%	Annual disbursement to be made on this loan through 2021.Design Status indicates percent of funds disbursed to date. WISE WDA negotiations between parties continue with the goal of having an amended Water Delivery Agreement ready to be brought to the respective Boards and Council for review and approval by April 1, 2021. Group discussion continues focused on the DIA Connection.
39 Inverness Water and Sanitation District			CT2015-0120	\$450,000				
Parker Water and Sanitation District			CT2015-0110	\$1,089,000				

**TOTAL UNDER CONTRACT                      \$299,629,141**

**APPROVED PROJECTS - NOT CONTRACTED**

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
1 Southeastern Colorado Water Conservancy District	Arkansas Valley Conduit	Arkansas	CT2024-XXXX	\$90,000,000	Kirk Russell	0%	0%	Federal Funding will control the scheduled use of these funds
2 Logan Irrigation District	Prewitt Reservoir Rehabilitation	South Platte	CT2023-XXXX	\$1,831,000	Kirk Russell	0%	0%	This Project is currently on hold. Related work on the Prewitt Dam was completed in the fall of 2022 and dredging work may not go forward.
3 Colorado City Metropolitan District	Lake Beckwith Dam Modifications	Arkansas	CT2024-XXXX	\$3,333,000	Joshua Godwin	0%	0%	
4 Northern Colorado Water Conservancy District - Northern Integrated Supply Project Water Activity Enterprise	Northern Integrated Supply Project	South Platte	CT2024-XXXX	\$101,000,000	Zach Salin	15%	0%	2024 Projects Bill
5 Montezuma Valley Irrigation Company	Lower Arickaree and Garrett Ridge Canal Piping	Montezuma	CT2025-XXXX	\$3,004,000	Joshua Godwin		0%	
6 High Line Canal Company	Rocky Ford High Line Canal Diversion	Pueblo	CT2025-XXXX	\$4,119,000	Zach Salin		0%	

**NOT UNDER CONTRACT SUB TOTAL                      \$203,287,000**

**GRAND TOTAL                      \$502,916,141**

**WATER PROJECT CONSTRUCTION LOAN PROGRAM  
LOAN REPAYMENT DELINQUENCY REPORT  
LOAN FINANCIAL ACTIVITY REPORT  
September 2024**

**LOAN REPAYMENT DELINQUENCY**

Loan repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2024 through August 2024 to date of report. The effective due date of the payment is inclusive of the Board's current 60 day late policy. Hence, the date the payment was received was compared to the last day allowable prior to the payment being considered late.

Repayments due for Fiscal Year 2025 total 308. Two Rivers is currently delinquent and is in foreclosure. All other payments are current.

**LOAN FINANCIAL ACTIVITY**

Loan financial activity relative to the Water Project Construction Loan Program for Fiscal Year 2025 is summarized as follows:

Funds received relative to loans in repayment totaled \$5.4M for this year.

Funds disbursed relative to new project loans totaled \$23.3M for this year.

Net activity resulted in \$17.9M disbursed by the CWCB Construction Fund and the Severance Tax Perpetual Base Fund (STPBF) over the total received.

Further breakdown is summarized as follows:

The Construction Fund portion consists of \$2.6M in receipts and \$17.9M in disbursements for a total net activity of \$15.3M disbursed over received.

The STPBF consists of \$2.8M in receipts and \$5.4M in disbursements for a total net activity of \$2.6M disbursed over received.

**CONSTRUCTION FUND**

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2024	\$ 366,225	\$ 153,487	\$ 519,712	\$ 2,469,000	\$ (1,949,288)
August 2024	\$ 1,289,270	\$ 809,291	\$ 2,098,561	\$ 15,441,097	\$ (13,342,537)
September 2024	\$ -	\$ -	\$ -	\$ -	\$ -
October 2024	\$ -	\$ -	\$ -	\$ -	\$ -
November 2024	\$ -	\$ -	\$ -	\$ -	\$ -
December 2024	\$ -	\$ -	\$ -	\$ -	\$ -
January 2025	\$ -	\$ -	\$ -	\$ -	\$ -
February 2025	\$ -	\$ -	\$ -	\$ -	\$ -
March 2025	\$ -	\$ -	\$ -	\$ -	\$ -
April 2025	\$ -	\$ -	\$ -	\$ -	\$ -
May 2025	\$ -	\$ -	\$ -	\$ -	\$ -
June 2025	\$ -	\$ -	\$ -	\$ -	\$ -
<b>FY 2025 Totals</b>	<b>\$ 1,655,495</b>	<b>\$ 962,778</b>	<b>\$ 2,618,273</b>	<b>\$ 17,910,097</b>	<b>\$ (15,291,824)</b>

**SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT**

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2024	\$ 162,610	\$ 121,150	\$ 283,760	\$ 3,480,139	\$ (3,196,379)
August 2024	\$ 1,450,762	\$ 1,032,211	\$ 2,482,974	\$ 1,867,800	\$ 615,174
September 2024	\$ -	\$ -	\$ -	\$ -	\$ -
October 2024	\$ -	\$ -	\$ -	\$ -	\$ -
November 2024	\$ -	\$ -	\$ -	\$ -	\$ -
December 2024	\$ -	\$ -	\$ -	\$ -	\$ -
January 2025	\$ -	\$ -	\$ -	\$ -	\$ -
February 2025	\$ -	\$ -	\$ -	\$ -	\$ -
March 2025	\$ -	\$ -	\$ -	\$ -	\$ -
April 2025	\$ -	\$ -	\$ -	\$ -	\$ -
May 2025	\$ -	\$ -	\$ -	\$ -	\$ -
June 2025	\$ -	\$ -	\$ -	\$ -	\$ -
<b>FY 2025 Totals</b>	<b>\$ 1,613,372</b>	<b>\$ 1,153,361</b>	<b>\$ 2,766,734</b>	<b>\$ 5,347,939</b>	<b>\$ (2,581,205)</b>

<b>GRAND TOTAL</b>	<b>\$ 3,268,867</b>	<b>\$ 2,116,139</b>	<b>\$ 5,385,007</b>	<b>\$ 23,258,036</b>	<b>\$ (17,873,030)</b>
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**COLORADO**  
**Colorado Water  
Conservation Board**  
Department of Natural Resources

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Jared Polis, Governor  
Dan Gibbs, DNR Executive Director  
Lauren Ris, CWCB Director

To: Colorado Water Conservation Board Members

From: Kirk Russell, P.E., Finance Section Chief  
Mimi Winter, Finance Manager

Board Meeting: September 18, 2024 Board Meeting

Directors Report: NonReimbursable Investment & Projects Bill Grants Status Report

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The CWCB Finance Section prepares a status update every September for all appropriations approved by the General Assembly via the annual CWCB Project Bill. The following is a report of the amount available at the start and end of fiscal year 2024. Updates regarding status of the project are provided by the Project Managers for each appropriation.





Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2023-2024							
Project Name	7/1/23 Beginning	Remaining Contracted FY24	Disbursed FY24	06/30/24 Available	Statute   Projects Bill Authorization	Project Manager Status Update	Project Manager
Acquisitions-Wtr for Instream Flow	\$1,000,000	\$0	\$137,055	\$862,945	37-60-123.7 set annual authorization at \$1M	Funding of \$137,055 was provided to the Colorado Water Trust as part of its master contract to provide services to support the acquisition of water rights for use in the ISF program.	Rob Viehl
ISF Engineering Support Services	\$259,516	\$41,511	\$35,364	\$182,641	SB05-084 HB10-1250 SB19-221 section 5 added \$250K	Funding of \$26,755 was provided to Freshwater Consultants LLC in FY23-24 to work on a habitat modelling on a recommended ISF on Milk Creek. As part of a yearly maintenance contract \$3,806 was provide to ESRI for GIS Arc Pro programming. During FY23-24 the CWCB contracted with Applegate Engineering to conduct a preliminary engineering analysis on a proposed acquisition with the City of Loveland. During FY23-24 \$4,803 was expended and the majority of funding for the contract will continue into FY24-25. For FY24-25 the CWCB has already contract engineering services on projects for a potential water rights acquisition on the Morgan Ditch and engineering analysis for a pending water court application on Cow Creek.	Rob Viehl
Satellite Monitoring	\$380,049	\$50,178	\$316,548	\$13,322	HB93-1273 HB17-1248 HB20-1403 added \$380,000 on 7/1/20 SB21-189 added \$100,000 on 7/1/21 HB22-1316 added \$380,000 7/1/22 SB23-177 added \$380,000 7/1/23 HB24-1435 added \$380,000 7/1/24	In FY23-24 DWR used this fund to make improvements to existing gages and plan for installation of new gages. Funds were used to continue to implement a new stream gage records system which will have an annual fee of approximately \$80,000. DWR also used the fund to purchase additional hydroacoustic measurement equipment including StreamPro ADCP and Flowtrackers to support future Colorado River adminstration needs. Just over \$50,000 was spent for the ongoing Arkansas lysimeter research project.	Brandy Logan
Stream Gauge Fund	\$298,755	\$43,507	\$50,953	\$204,295	37-60-124.4 refresh unencumbered balance to \$250,000 annually	Provided funding for purchasing equipment and supplies for temporary stream gages used to monitor new instream flow recommendations. Funded travel expenses for visiting ISF stream gages and field sites. Funds were also used to purchase supplies for the maitnence of a permanent telemetry stream gage on Abrams Creek. Provided funding for the operation and maintenance of the Washington Gulch Bypass Structure to monitor the Breem Ditch ISF acquisition. Provided funding for the annual operation and maintenance of stream gages for the USGS Dolores River at Slick Rock, the USGS San Miguel River at Uravan, the USGS Hermosa Creek near Hermosa, and the USGS Beaver Creek at Avon.	Rob Viehl

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2023-2024							
Project Name	7/1/23 Beginning	Remaining Contracted FY24	Disbursed FY24	06/30/24 Available	Statute   Projects Bill Authorization	Project Manager Status Update	Project Manager
Colorado Mesonet	\$229,231	\$96,330	\$112,081	\$20,821	SB15-253 HB17-1248 HB18-218 SB19-221 HB20-1403 adds \$150,000 on 7/1/20 added \$150,000 FY23 HB22-1316 added \$150,000 FY24 SB23-177 added \$200,000 HB24-1435	<p>The CoAgMET website was updated &amp; in 2024. As part of the website upgrade, easier access to CoAgMET soil moisture data will be incorporated. The CCC disseminated information about CoAgMET/Colorado’s Mesonet at multiple conferences as well as CSU Chancellor Tony Frank. CCC continues to present regularly at the CWCB's Water Conditions Monitoring Committee, including CoAgMET data when appropriate and relevant. There are two newly installed 10-meter towers in the network, at the Arkansas Valley Research Center in Rocky Ford, and at the Agricultural Research, Development and Education Center in Fort Collins. These towers allow wind speed to be measured at the standard meteorological height as well as at the current height that is needed for agricultural purposes and allow for other measurements that can help Colorado agriculture such as temperature inversion measurements. The next targeted installation is at the Plainsman Research Center in Walsh. We are hoping to get two towers installed later in 2024, bringing the total number of new towers to four. The CoAgMET manager (Lane Simmons) completed the registration for the NOAA GOES login page (DADDs Website). Lane has discussed RCRN strategy with the former manager, including the possibility of moving away from GOES to a cell comms system, and upgrading RCRN stations to measure source data for ETref calculations. If it is decided that cell comms will improve the ability to utilize the RCRN stations, monies may be spent on cellular modems and increased cell service. Lane has also reached out to out-of-state resources for advice on RCRN strategy.</p> <p>The first barometric pressure sensor was ordered, installed and tested at the Rocky Ford CoAgMET station. Barometers have also been specified for use with new western slope stations. Pending the results of this test, CCC plans on installing ten (10) arometers across the network. CCC has worked with NASA’s Western Water Applications Office to more fully integrate output from the 1-km Western Land Data Assimilation System (WLDAS) into the CCC’s drought monitoring and research operations. CCC developed new graphics at higher resolution that characterize soil moisture and other relevant land-surface conditions in Colorado. When complete, these outputs will be included on the CCC drought website and presented at the WCMC for feedback from potential users. Lane has completed a full year as CoAgMET manager and has focused on the on-field operations side of CoAgMET. The field team has been able to increase the percentage of reporting stations to 99%. The only station in the network not reporting is offline for known reasons, in that it is in a remote area (Bedrock) without a functioning communication system.</p>	Ben Wade
Co Floodplain Map Modernization	\$1,211,381	\$786,378	\$131,353	\$293,649	SB03-110 HB17-1248 SB18-218 SB19-221 HB20-1403 added \$500,000 on 7/1/20 SB21-189 added \$500,000 on 7/1/21 HB22-1316 added \$500,000 on 7/1/22 SB23-177 added \$500,000 7/1/23 HB24-1435 added \$1,000,000 7/1/24	Supplemental State funding to ensure project tasks completed for Crowley County Phase 1. State provided funding for coordination between Risk Mapping , Assessment and Planning (Risk MAP) contractors and Letter of Map Revision (LOMR) Review Partner Contractors on map revision requests that would result in a physical alteration of flood hazard data in areas with ongoing flood hazard area mapping studies. Provided funding to close data gaps for Legacy Colorado Hazard Mapping Program (CHAMP) projects and ongoing Risk MAP projects in Boulder, Delta, Garfield, Larimer, Mesa, Phillips, and Teller Counties.	Terri Fead
Fish and Wildlife Resources Fund	\$2,155,801	\$0	\$0	\$2,155,801	SB19-207 (Long bill funding not included) SB23-177 added \$2,000,000	No projects funded through the FWRF in FY 23	Chris Sturm
Flood and Drought Response Fund	\$630,891	\$287,604	\$298,741	\$44,546	37-60-123.2 restore unencumbered balance to \$500,000 annually	Provided funding for the Flood Threat Bulletin during the flood season (May through September). Also provided funding for other flood and drought mitigation and recovery actions.	Kevin Houck
Tamarisk Control Cost-Sharing Prg	\$19,094	\$0	\$0	\$19,094	HB08-1346 SB12S-002 HB15-1006	No projects funded in FY 23	Chris Sturm
Water Forecasting Partnership	\$1,090,352	\$0	\$1,071,513	\$18,840	HB20-1403 added \$350,000 on 7/1/20 HB22-1316 added \$450,000 7/1/22 SB23-177 added \$1,000,000 7/1/23 HB24-1435 added \$2,000,000 7/1/24	CWCB partially funded ASO flights in seven basins in FY23/24. \$2.4M in matching funds were leveraged for the flights. This match includes \$800,000 from the Upper Colorado River Commission.	Andrew Rickert, Erik Skeie



Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2023-2024							
Project Name	7/1/23 Beginning	Remaining Contracted FY24	Disbursed FY24	06/30/24 Available	Statute   Projects Bill Authorization	Project Manager Status Update	Project Manager
Watershed Restoration	\$3,871,893	\$1,370,747	\$1,924,990	\$576,155	PCLEUWTRN: HB06-1313 PCLEUWTRA:15-253 1.5M, 16-174 1.5M, 17-1248 5M, 18-218 2M Note: FY19 Carryforward went to PCLEUWTRN HB20-1403 4M on 07/01/2020 SB23-177 added \$500,000 on 7/1/23	Provided funding for grants approved through the Colorado Watershed Restoration Program. Provided funding for technical consultants to support fire recovery, project design review, and project monitoring.	Chris Sturm
Weather Modification Program	\$1,160,626	\$4,294	\$708,068	\$448,264	HB04-1221 HB17-1248 SB18-218 HB20-1403 added \$350,000 on 7/1/20 SB21-189 added \$350,000 on 7/1/21 HB22-1316 added \$350,000 on 7/1/22 SB23-177 added \$500,000 on 7/1/23 HB24-1435 added \$500,000 on 7/1/14	Funding was matched with \$455K from the Colorado River Lower Basin water users, and \$20K from the New Mexico Interstate Stream Commission for the following projects. Local entities and water districts provided around \$480,000 in additional funding for weather modification programs. This funding helped to provide grants to purchase new equipment, extend operations, and support program upgrades for the 8 programs, 7 of which are ground-based programs throughout Colorado. Lower Basin funding does not go to either of the programs in the North Platte.	Andrew Rickert
Acquisition of Lidar Data SB18-218	\$200,000	\$0	\$0	\$200,000	SB18-218 HB20-1403 adds \$200,000 on 7/1/20	Funding to be used to supplement portions of existing state LiDAR datasets (circa 2015 - 2018) to provide updated high resolution LiDAR along stream corridors where significant changes (development, wildfire, flood alteration, etc.) have occurred to capture recent conditions for projects with delayed schedules due to various reasons (community requested scope changes, available FEMA funding, planning adjustments in response to changing needs/requests, etc.).	Terri Fead
Acquisition of Lidar Data 37-60-121	\$78,207	\$4,084	\$18,558	\$55,565	37-60-121 HB20-1403 adds \$200,000 on 7/1/20	Provided state funding to cover inclusion of additional flooding source for Mesa County Risk MAP study. Provided supplemental state funding for Letter of Map Revision (LOMR ) processing.	Terri Fead
Water Loss Control Initiative	\$440,666	\$204,875	\$184,668	\$51,124	HB17-1248 HB20-1403 adds \$1M on 7/1/20	Phase II of the Colorado Water Loss Initiative was contracted in April 2021 and began in June 2021. We continue to hold workshops for water utiliies across the state. There has been a need for maintaining the core trainings due to utility staff turnover as well as the board's action in November 2023 to require submission of water loss audits. Continuing to provide direct technical assistance on water loss audits and prioritized projects identified during provider consultation. We have additionally been using funds for research into other states' practices regarding audit validation. I have disbursed \$292,994.90 from the HB20-1403 funds.	Kevin Reidy
Water Planning Studies	\$107,273	\$69,950	\$30,050	\$7,273	SB99-173 SB09-125 SB 15-253 SECT. 8 - added appropriation funds from fund 7440 from SB99-173	Data visualization project for tech update currently underway. Currently contracting with RS21 (August 2019). No projects in FY22.	Russ Sands
Feasibility Study Grant Fund	\$551,943	\$40,238	\$66,152	\$445,553	37-60-122.7 restore the unencumbered balance to \$500,000 annually	Ongoing program to help applicants with Water Project Loan Program Loan Feasibility Study preparation. In FY23, one grant was awarded.	Matt Stearns
Alternate Agriculture Water Transfer Sustain Prg	\$1,129,246	\$402,802	\$125,984	\$600,460	SB07-122 HB17-1248 HB20-1403 adds \$750K on 7/1/20	In FY24 CWCB awarded a project in the Arkansas basin that will establish a Collaborative Water Sharing Agreement that improves the annual realiability of irrigation water supplies.	Nora Flynn
Bear Creek Reservoir Reallocation	\$1,920,637	\$700,000	\$312,315	\$908,322	SB16-174	CWCB dispursed funds to the City of Brighton to maintain a stream gage at Turkey Creek above Bear Creek Lake. CWCB also dispursed funds to the Army Corps of Engineers for the Firm Yield aanlysis as part of the Reallocation Feasibility Study.	Erik Skeie
Co Decision Support Systems O & M	\$461,419	\$43,040	\$6,220	\$412,159	SB13-181 HB14-1333, HB17-1248 HB20-1403 adds \$500,000 on 7/1/20	In 2024, a sole-source process has been conducted to approve a \$150,000 contract 2024-2026 for Open Water Foundation to continue OpenCDSS O&M. Contracting is underway as of 8/26/24.	Brian Macpherson

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2023-2024							
Project Name	7/1/23 Beginning	Remaining Contracted FY24	Disbursed FY24	06/30/24 Available	Statute   Projects Bill Authorization	Project Manager Status Update	Project Manager
Co Water Needs & Alternatives	\$960,054	\$53,838	\$95,162	\$811,054	SB07-122 SB12S-002 HB22-1316 added \$200,000 7/1/22	These funds will be used for future phases of the Colorado River Water Availability Study (CRWAS). No modeling or studies were completed in 2024.	Brian Macpherson
Litigation Fund	\$2,000,000	\$51,772	\$1,142,516	\$805,712	HB95-1155 HB17-1248 HB20-1403 - reauthorized up to \$2M HB22-1316 restore balance to \$2,000,000 SB23-177 restore balance to \$2,000,000 HB24-1435 restore balance to \$2,000,000	Arkansas River Basin: legal counsel regarding ongoing interstate discussions and compact compliance; Colorado River Basin: ongoing work associated with legal counsel relating to Colorado River matters, including implementation of the drought contingency plans, post-2026 reservoir operations negotiations, and other matters. South Platte River Basin: work associated with protecting Colorado's interests in the Platte River Recovery Implementation Program, including preparation for the Second Increment negotiations; Republican River Basin: work to implement accounting and groundwater measures consistent with settlements and court decisions; Rio Grande Basin: travel and operating costs to conduct legal efforts and attend arguments before the Special Master.	Emily Zmak
L. So Platte Water Mgmt & Storage	\$500,000	\$0	\$0	\$500,000	HB00-1419 SB01-157	These funds will be used for a future study of Lower South Platte storage alternatives. No modeling or studies were completed in 2024.	Brian Macpherson
USDA Regional Con Partnership	\$25,966	\$0	\$25,351	\$615	SB15-253	Funding to date has been awarded to support ongoing implementation of the Lower Gunnison RCPP project focusing on salinity and selenium reductions through irrigation efficiency projects	Nora Flynn
Water Resource Info Center	\$207,829	\$0	\$6,959	\$200,870	SB09-125	Work in FY24 included updates to the Turf Program and HB1051 data imports and reconciliation, as well as minor break fixes and updates. FY25 work will include additional updates and modifications to the existing grant programs	Carolyn Kemp
Wild and Scenic Rivers Fund	\$577,877	\$105,936	\$174,277	\$297,664	37-60-122.3 restore unenumerated balance to \$400,000 annually	Funds were used by the Upper Colorado River Wild and Scenic Stakeholder Group to protect the outstandingly remarkable values (ORVs) identified in the U.S. Bureau of Land Management (BLM) and U.S. Forest Service (USFS) Wild and Scenic Eligibility Reports for the Upper Colorado River. The Stakeholder Group includes water users from both the West Slope and East Slope, environmental interests, anglers, recreational interests, and local and state government representatives. The Amended and Restated Upper Colorado River Wild and Scenic Stakeholder Group Management Plan (Plan) was completed in June 2020 and includes final ORV indicators and Resources Guides related to recreational fishing and floatboating. The effective date of the Plan commenced June 12,2015, upon issuance of records of decision by BLM and USFS	Andrew Rickert
Arkansas River Decision Support	\$1,100,408	\$24,375	\$46,672	\$1,029,361	SB07-122 HB11-1274 SB13-181 HB14-1333 SB15-253 SB18-218 HB20-1403 HB22-1316 added \$500,000 7/1/22	Phase I and II of ArkDSS was broken into 3 sections: GIS, Admin Tools, and Modeling. The GIS, Admin Tools, and modeling components are complete. Phase II of ArkDSS was an extension of the Admin Tools and included the Arkansas River Colors of Water and Forecasting Tool project. This project leveraged USBR WaterSMART grant funding and expired on 12/31/23. For Phase III, an RFP will be issued in the coming year for Groundwater tasks, which is estimated to cost ~\$900,000 to \$1 million.	Brian Macpherson
Chatfield Res Reallocation Project	\$2,618,317	\$0	\$0	\$2,618,317	HB08-1346 SB18-218	Chatfield Reallocation is an important storage project in the south metro Denver area involving the State and six other municipal & agricultural water providers. Construction is complete and water is being stored in the Res. This funding provides for state-federal contracting and project implementation costs. The remaining funds are available for the operational costs for the mitigation company to support CWCB and CPW involvement.	Kirk Russell
Chatfield Res Reallocation Imp.	\$34,782,426	\$0	\$130,351	\$34,652,074	SB12S-002/SB18-218 S16 CRS 37-60-120.1 (proceeds)	Related to the item above, this funding focused on CWCB’s role of owning storage shares in the Chatfield project. CWCB will retain ownership of the environmental pool and sell shares to potential water providers	Kirk Russell

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2023-2024							
Project Name	7/1/23 Beginning	Remaining Contracted FY24	Disbursed FY24	06/30/24 Available	Statute   Projects Bill Authorization	Project Manager Status Update	Project Manager
Chatfield Res Reallocation Study	\$217,015	\$0	\$0	\$217,015	SB97-008 SB07-122	Funding from a series of authorizations allowed CWCB to act as the non- federal sponsor with the U.S. Army Corps of Engineers to develop a feasibility study and EIS for the Chatfield project. The contract was first signed in 1999 and was based on a 50/50 cost-share arrangement.	Kirk Russell
Rocky Mt. Fen Demonstration	\$338	\$0	\$0	\$338	SB07-122	Funding was awarded to the Colorado Mountain College- Timberline Campus for a demonstration project designed to explore the extent to which the harvest and transplation of slow-forming organic peat soils, from the specifically-prepared receiver sites, can serve as mitigation of impacts to fens. In 2016, the fen was relocated and funding is supported 5 years of monitoring. In 2023 the study was completed and the report is now available.	Kara Scheel
Windy Gap Reservoir Bypass Channel	\$1,582,910	\$492,467	\$1,090,443	\$0	SB13-181 /SB16-174 Section 10 (updated)	The Windy Gap Reservoir Bypass Channel, also known as the Colorado River Connectivity Channel, will reconnect the channel of the Colorado River around the Windy Gap Reservoir. Significant cost increases led to delays in construction while funding in addition to that authorized by SB13-181 and SB16-174 was secured. That additional funding was subsequently secured and a groundbreaking for the project was conducted on August 23, 2022. While construction is still ongoing, the majority of the work has been completed. The Channel itself is passing water round Windy Gap Reservoir. The diversion structure at the bifurcation point between the reservoir and channel is approximately 50% complete.	Cole Bedford
Republican River Matters	\$3,041,838	\$1,876,378	\$1,165,460	\$0	HB18-218 HB22-1316 added \$2,000,000 7/1/22	\$4M was paid to the state of Nebraska and \$2M to the state of Kansas to resolve disputes over Colorado's past use of water under the Republican River Compact. Remaining funds will be used to retire irrigation wells in the basin. The District will continue to utilize these funds in conjunction with other sources such as SB22-028 \$30M. As of August 2024, the District had signed contracts with landowners committing to retire 17,000 of the required 25,000 acres in the South Fork Focus Zone.	Cole Bedford
Emergency Dam Repair	\$500,000	\$0	\$0	\$500,000	37-60-122.5	This money remains availabe to address emergency actions necessary due to dam safety concerns. The breaching of Cucharas #5 Dam was the most recent use of this funding. This money was returned to the Consruciton Fund when collected from the dam owner.	Kirk Russell
Rio Grande Cooperative	\$85,668	\$0	\$0	\$85,668	SB125-002 HB17-1248 section 13 until project complete	Project is 100% complete.	Kirk Russell
Colorado River Decision Support	\$656,381	\$0	\$652,886	\$3,495	SB07-122 HB08-1346 LONGBILL BOOKING BOTTOM LINE FUNDED - <b>does not roll to next year</b>	See Co Decision Support Systems O&M	Brian Macpherson
Underground Storage Pilot Project	\$80,725	\$0	\$45,085	\$35,640	SB16-174 Section 8	No updates for FY23/24	Erik Skeie
Technical Assistance Federal Irrigation Improvements	\$489,964	\$124,019	\$143,741	\$222,204	HB 17-1248 SB 18-218 SB21-189 added \$300,000 on 7/1/21 HB22-1316 added \$300,000 7/1/22	Funds were spent on projects approved in previous years (no new projects were added in FY24). Projects focused on pursing federal funding from NRCS Watershed Protection and Flood Prevention pogram, BOR Salinity, and BOR WaterSmart.	Nora Flynn
San Luis Valley Aquifer Recovery Project	\$3,000,000	\$0	\$0	\$3,000,000	SB 2021-189 Sec 6	Funds will be used to purchase wells and land to reduce pumping impacts in the SLV. Grantee is in communication with potential sellers. SB22-028 will also have an impact on this effort	Cole Bedford

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2023-2024							
Project Name	7/1/23 Beginning	Remaining Contracted FY24	Disbursed FY24	06/30/24 Available	Statute   Projects Bill Authorization	Project Manager Status Update	Project Manager
Reservoir Enlargement Project	\$1,230,377	\$87,644	\$142,734	\$1,000,000	HB22-1316 S11 added \$250,000 7/1/22 SB23-177 added \$1,000,000 7/1/23	This funding supported an effort lead by Colorado Dam Safety and its selected contractors to implement a consistent approach for completing comprehensive evaluations of dams, known as Comprehensive Dam Safety Evaluations (CDSE). This Project utilizes a risk-informed decision making process to identify dam failure modes for a given storage capacity. This information can then be used to determine improvements necessary to meet dam safety standards for the increased storage, and ultimately for the development of cost estimates of the enlargement. The CDSE approach provides for the use of risk-informed decision making in reservoir enlargement planning, spillway adequacy studies, and assessment of need for reservoir storage restrictions to ensure the protection of life and property.	Matt Stearns
Platte River Recovery Implementation Program	\$22,800,000	\$22,800,000	\$0	\$0	HB22-1316 added \$3,800,000 7/1/22 SB23-177 added \$19,000,000 7/1/23	Funds allocated will go to support the Platte River Recovery Implementation Program (PRRIP). The PRRIP simultaneously supports the threatened and endangered species on the Platte River and provides Section 7 ESA compliance to water users to help offset impacts of depletions. Participants to the program include Wyoming, Colorado, Nebraska, BOR, USFWS, environmetal agencies, and water users.	Kara Scheel
State Turf Replacement Program	\$2,011,252	\$1,097,350	\$646,466	\$267,435	HB22-1151 added \$1,988,600 to CWCB (\$11,400 to OIT) 6/30/2025. added \$2,000,000 HB24-1435 7/1/24	Turf Replacement Program funds provide eligible entities with monies for site-specific turf removal and replacement or local rebate and incentive programs. The first round of funding from HB22-1151 resulted in 50 eligible entities approved for funding up to \$50k. Two awarded entitites are still contracting. Outside of the 50 funding recipients, the remaining funds are going to an additional phase of the Transformative Landscape Change Challenge that identifies site-specific areas for removal and replacement. All funding from HB22-1151 must be fully expended and invoiced for by June 30, 2025. The funding cycle for the Turf Replacement Grant Program (funded by HB24-1435) will be open from August 31, 2024-October 31, 2024. If funding is available after the first cycle, another one will be open from December 31, 2024-February 28, 2024.	Jenna Botten
Water Plan Education Foundation	\$150,000	\$0	\$150,000	\$0	SB 2021-189 Sec 8 add \$150,000 annually	From Fiscal Year 2002 to Fiscal Year 2020 the CWCB supported WEco (fka Colorado Foundation for Water Education) with an annual, automatic \$150,000 grant from the Construction Fund through a legislative mechanism known as a “continuous appropriation.” During the 2020 legislative session this appropriation was removed indefinitely through the 2020 CWCB Projects Bill (HB 20-1403), but was reinstated during the 2021 legislative session as an amendment to the 2021 Projects Bill (SB 21-189). The Board approved the Fiscal Year 2022 WEco Scope of Work in July 2021. As such, the proposed Fiscal Year 2023 WEco Scope of Work (Scope) is presented for Board review and approval. As in past years, the proposed Scope supports WEco’s annual operations, water education, and outreach programs. The Scope covers numerous efforts that align with both organizations’ missions in the form of four overarching tasks: Operational Support, Public Outreach, Water Education & Leadership Programs, and Content Programs. The subtasks within each section allow the CWCB and WEco to strategically prioritize work related to various aspects of the Colorado Water Plan. WEco successfully completed their FY 23-24 Scope of Work in full.	Elizabeth Schoder
Mobile Field Data Collection Project	\$800,000	\$0	\$0	\$800,000	SB23-177 S9 add \$800,000	From Jason Ullmann (DWR): We have the signed master agreement and the first Task Order completed with Argis so we have started and will be billing shortly.	Brian Macpherson/ Megan Kramer
Central Colorado Water Conservancy District Augmentation	\$3,000,000	\$1,396,713	\$1,603,287	\$0	SB23-177 S15 \$3,000,000	The Groundwater Management Subdistrict of the Central Colorado Water Conservancy District's Augmentation Efficiency Project utilized NRI funding to support easements and crossing fees needed to fully develop the project as well as construction of above and below-ground piping sections which will transport water from augmentation wells to reservoirs connected to the Project.	Zach Salin
Upper Colorado and San Juan Basin River	\$15,000,000	\$0	\$0	\$15,000,000	SB23-177 S13 \$15,000,000		Michelle Garrison

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2023-2024							
Project Name	7/1/23 Beginning	Remaining Contracted FY24	Disbursed FY24	06/30/24 Available	Statute   Projects Bill Authorization	Project Manager Status Update	Project Manager
Totals	\$114,616,325	\$32,256,028	\$12,792,003	\$69,568,293			



**COLORADO**  
**Colorado Water  
Conservation Board**  
Department of Natural Resources

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Jared Polis, Governor  
Dan Gibbs, DNR Executive Director  
Lauren Ris, CWCB Director

To: Colorado Water Conservation Board Members

From: Kirk Russell, P.E., Finance Section Chief  
Mimi Winter, Finance Manager

Board Meeting: September 18, 2024 Board Meeting

Directors Report: NonReimbursable Investment & Projects Bill Grants Status Report

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The CWCB Finance Section prepares a status update every September for all appropriations approved by the General Assembly via the annual CWCB Project Bill. The following is a report of the amount available at the start and end of fiscal year 2024. Updates regarding status of the project are provided by the Project Managers for each appropriation.



	Table 1								
	SEVERANCE TAX OPERATONAL FUND								
	FOR FUNDING FROM JULY 1, 2023 TO JUNE 30, 2024								
#	Name of Activity/Project/Ops	Description of the proposed Activity/Project/Operational Activity	Sponsor Section	PM	Cost	Matching	Budget Approved FY 23/24		
CWCB Supported Activitries/Projects/Operational Needs								Expenditures FY24	Remaining Budget FY24
1	Colorado Climate Change Vulnerabilities Study Update	The Colorado Climate Change Vulnerability Study Phase II. Originally published in 2015, the study provides an overview of key vulnerabilities that climate variability and change will pose for Colorado's economy and resources. The purpose of the study is to provide state agencies, local governments, and others with background for preparedness planning. Since it was published in 2015, there have been updates to other important climate and hydrology datasets, and capacity for climate monitoring and data visualization has grown. Additionally, the demand for up-to-date, locally relevant information to inform adaptation practices and reduce risks has also significantly increased. CWCB seeks to update this report after the State of Climate in Colorado Report is revised, to leverage locally relevant data to address sector-specific vulnerabilities. Scoping this effort will include evaluating the existing report to identify existing strengths, information gaps, and opportunities to add updated information and improve the overall study. It may also include a series of scoping sessions with stakeholders to identify what information will be most useful and how best to communicate it in an update.	Water Supply Planning	Russ Sands	\$100,000	\$0	\$100,000.00	\$70,762.33	\$29,237.67
2	ISF outreach/education/travel	In most years, the Stream and Lake Protection Section has budgeted between \$12,000 and \$16,000 to fund operating expenses such as travel, telecomm, printing, equipment, official functions, and conference registrations. However, those funds have been supplemented in most years by the Section's Severance Tax Operational Fund Education and Outreach Project, which historically has been funded at \$15,000. The Section's operating budget can vary significantly from year to year depending on the amount of outreach activities that are required to address issues associated with new instream flow (ISF) appropriations, acquisitions, legal protection, and implementation of Colorado's Water Plan, including Section staff's involvement in stream management plans and Water Plan grants. Staff estimates that \$15,000 of supplemental funding will be required to address travel associated with meetings, fieldwork, and other outreach activities related to over 60 ISF new appropriation recommendations, ISF water acquisitions generated from the Request for Water Acquisition Program, stream management plans, and Water Plan grants.	Instream Flow	Rob Viehl	\$15,000	\$0	\$15,000.00	\$21,684.21	(\$6,684.21)
3	ISF Hydrography Temporary Employee	Purpose: The instream flow (ISF) program is requirred at certain times to install temporary gages to collect streamflow data. These temporary measuring devices require monthly measurements to ensure that the rating curves developed are accurate. With the demand for these gages for new appropriation and acquisitions projects increasing more help is needed to perform these measurements. Staff estimates this temporary position would conduct field work during the field season then process that data during the winter.	Instream Flow	Rob Viehl	\$35,000	\$0	\$35,000.00	\$45,372.62	(\$10,372.62)
4	Weather Modification Equipment	Purchase of equipment for weather modification. Weather modification is the only tool that adds water to the system.	Interstate & Federal	Andrew Rickert	\$100,000	\$0	\$100,000.00	\$15,000.00	\$85,000.00
5	Funding for UCRC Modeling	The UCRC will provide post-2026 planning and modeling to support ongoing negotiations between the Basin states.	Interstate & Federal	Amy Ostdiek	\$100,000	\$0	\$100,000.00	\$49,351.00	\$50,649.00
6	Flood Mitigation and Project Compliance	The CWCB has identified a substantial need for identification of deficiencies to flood mitigation projects throughout Colorado, a point vastly reinforced by the devastating floods of September 2013 and the post-wildfire events experienced in recent years. Funds from this program will be used to develop solutions to bring these projects back into technical or regulatory compliance. In some cases, some financial assistance may be provided to smaller communities to perform required one-time maintenance activities for regulatory purposes provided that the local governments and other entities benefiting from the project expend as many local resources as available to perform the work. The focus of this work will be to address local requests as well as identification and design of projects that can be implemented or upgraded to reduce the flood risk. The best example of the use of these funds are the current nationwide focus on the condition of levees, which has already impacted some Colorado communities and is expected to impact many more in the coming years. Many of these levees and other flood control/mitigation projects are located in small or impoverished communities throughout the state that are in need of both technical and, in some cases, financial assistance. Finally, the section is evaluating the impacts of climate change to flood flows, and funds from this account could be used for a portion of this work. The CWCB staff is requesting this Severance Tax non-reimbursable investment to provide a means of cost-sharing with local entities and other agencies to accomplish the much needed work. Cost-sharing will be emphasized when practicable to leverage the	Watershed & Flood Protection	Kevin Houck	\$300,000	Local match as applicable (usually 50%)	\$150,000.00	\$206,263.75	(\$56,263.75)
7	Program Management Assistance for LOMR Delegation Program	For the past three years, CWCB has participated in a state level management program to process MT-2 Letters of Map Change on behalf of FEMA throughout the State of Colorado. This has resulted in increased efficiencies, faster response time, and better stakeholder service than if these map changes were processed at the national level. However, due to the startup nature of this program, staff has noticed that the workload was higher than anticipated at the start, resulting in a larger than expected backlog. This request would allow for the use of a consultant to help bring the backlog current and streamline functions moving forward. This will result in better handling of our stakeholders' needs.	Watershed & Flood Protection	Terri Fead	\$920,000	Funding would supplement our existing FEMA grant funding of \$870,000	\$50,000.00	\$6,712.50	\$43,287.50
8	Sheep Draw Master Drainage Plan	Request to assist the City of Greeley update Sheep Draw Drainag Basin Master Plan. The project will revise 7.5 stream miles of detailed flood hazard data with floodway. This is the primary flooding source for this basin and is tributary to the Cache la Poudre River. Once completed, the study will be submitted to Federal Emergency Management Agency (FEMA) as a Letter of Map Revision request to get the data incorporated into the FEMA regulatory products. These include the Flood Insurance Rate Maps (FIRMs) and Flood Insurance Study (FIS) for Weld County, Colorado and Incorporated Areas, incorporate into the FEMA	Watershed & Flood Protection	Terri Fead	\$200,000	Community will pay balance for project completion.	\$50,000.00	\$50,000.00	\$0.00
9	Accessibility testing for CWCB webpages	Accessibility testing for GIS and DSS webpages to ensure legal compliance with accessibility laws.	Agency	Carolyn Kemp	\$20,000	\$0	\$20,000.00	\$0.00	\$20,000.00

10	Community Assistance Program Non-Federal Cost Share	To provide technical and administrative assistance for communities in the state for administering floodplain regulations and other related issues. To assist communities in adopting updated floodplain management regulations, including the requirements promulgated in the Rules and Regulations for Floodplains in Colorado.	Watershed & Flood Protection	Kevin Houck	\$300,000	FEMA federal funding grant pays 75% of costs, this request pays 25%	\$75,000.00	\$9,528.45	\$65,471.55
11	CWCB Project Signage	CWCB will begin to utilize signage at project sites to identify the funding source and support of the Department of Natural Resources - Colorado Water Conservation Board.	Agency	Lauren Ris	\$50,000	Walton Foundation	\$25,000.00	\$0.00	\$25,000.00
12	Contract with Alpine Geomatics, for continued GIS support	During the development of Wildfire Ready Watersheds, our efforts heavily relied upon Alpine Geomatics to compile data, analyse the data and execute the Statewide Suceptibility study. During this work, they were a sub-contractor to Enginuity, whom is the TA lead for the Watershed team. Enginuity is being aquired this month by Olson. The contract for the TA team will reamain in place. However, Alpine Geomatics sub-contract is suppose to end. They are currently hosting the web map / explorer for the Statewide Suceptibility study. We are getting requests to share specific datasets and may need to update the web map peridocially. If would be preferrable to have Alpine Geomatics on thier own contract in order to maintain continuity in web-hosting and their supportive role to Wildfire Ready Watersheds.  Along with continued support for WRW, a dedicated GISP and CMS would be a great resource for CWCB to start engaging with Agency Action 3.8. Develop an Interagency Watershed Planning Platform	Watershed & Flood Protection	Steven Reeves	\$50,000		\$50,000.00	\$50,844.98	(\$844.98)
13	CWCB GIS Licensing	Annual fees for GIS licensing for CWCB staff.	Agency	Carolyn Kemp	\$20,000		\$20,000.00	\$18,669.96	\$1,330.04
14	Colorado Airborne Snow Measurement logistic support	Purchase order to fund Leonard Rice's ongoing contractor support for CASM.	Interstate & Federal	Erik Skeie	\$50,000		\$50,000.00	\$49,962.25	\$37.75
15	Platte River modeling to ensure ESA compliance	Purchase order with South Platte Water Related Activities Program (SPWRAP) to fund a point-source model on issues of shared interest. Ensures ongoing Endangered Species Act compliance for Colorado's water users in the South Platte Basin.	Interstate & Federal	Kara Scheel	\$50,000		\$50,000.00		\$50,000.00
16	UCRC Dues Increase		Interstate & Federal	Amy Ostdiek	\$35,000		\$35,000.00	\$35,000.00	\$0.00
		new project for weather mod equipment		Andrew Rickert			\$75,000.00	\$0.00	\$75,000.00
					Total CWCB Approved		\$1,000,000.00		
Higher Education Study/Projects									
HE1	Research/Study	Hydrologic modeling to investigate irrigation impacts on the White River stream-aquifer system	CSU	Bailey, Ryan			\$49,990.00	\$49,988.98	\$1.02
HE2	Research/Study	Low-Cost IoT Technology for Runoff Water Quality Comparison with Traditional Methods	CSU	Brown, Ansley			\$48,125.00	\$48,125.00	\$0.00
HE3	Research/Study	Using Remote Sensing Data to Highlight Salinization Patterns Across an Irrigated River Basin in Relation to Contributing Factors	CSU	Chavez, Jose			\$50,000.00	\$49,867.94	\$132.06
HE4	Research/Study	Coupling StateMod with Forest Disturbance Scenarios to Inform Agricultural Operations in the San Miguel Watershed	CSM	Hogue, Terri			\$49,956.00	\$48,181.75	\$1,774.25
HE5	Research/Study	Water Management after Wildfires: Developing Standardized Testing Methods	CU	Mansfeldt, Cresten			\$50,000.00	\$50,000.00	\$0.00
HE6	Research/Study	Quantifying the role of mountain block recharge on the Denver Basin Aquifer System water budget using the stable isotopes of waters	CSU-CU	Rugenstein, Jeremy			\$45,838.00	\$45,829.97	\$8.03
HE7	Research/Study	Streamflow Forecasting in Colorado by Artificial Intelligence, Remote Sensing, and Data Mining for A Sustainable Future	MSU-Denver	Valipour, Mohammad			\$50,000.00	\$50,000.00	\$0.00
					Total HigherEd Approved		\$343,909.00		
						Grand Total	\$1,343,909.00		