



COLORADO

Colorado Water Conservation Board *Department of Natural Resources*

DIRECTOR'S REPORT

September 2023

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 20-21, 2023

SUBJECT: **Agenda Item 4b, September 2023 CWCB Board Meeting Director's Report**

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STATEWIDE

Finance Section Director's Report Items – September 2023

CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE:

New grant applications approved:

1. None

Previously approved grants in FY23/24:

1. None

Total funds approved for feasibility study grants in FY23/24: \$0

Local Capacity and Technical Assistance Grants Director's Report - September 2023

Local Capacity Grants

H.B. 22-1379 established \$2.5 million for Local Capacity Grants. The following table summarizes Local Capacity Grant activity through September 1, 2023.

<u>Pending Applications</u>			
Applicant	Project	Total Project Budget	Requested Grant Amount
Rio Grande Headwaters Land Trust	Capacity for Federally Funded Conservation Projects in the Rio Grande Basin	\$194,750	\$145,000
Sangre de Cristo Acequia Association	Building Capacity and Project Framework to Target Federal Funding	\$81,500	\$50,000
Total:		\$276,250	\$195,000
<u>Approved Applications</u>			
Applicant	Project	Total Project Budget	Grant Award
Grand County Learning by Doing	Federal Funding for LBD Stream Restoration and Improvement Projects	\$237,531	\$169,775
Ute Mountain Utes Tribal Government	Pre-Development Work (PL-566)	\$70,000	\$52,500
American Rivers	Wetland/Riparian Projects in the San Luis Valley	\$241,000	\$180,000
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
West Divide Water Conservancy District	Martin Reservoir Enlargement and Reconfiguration	\$315,906	\$118,464
Total:		\$1,782,077	\$1,202,369

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 September 2023, two Technical Assistance project proposals have received preliminary approval and have advanced to the next step of the grant award process:

- City of Grand Junction, Juniata Enlarged Ditch Piping Project
- Lower Wilson Ditch Association, Lower Wilson Ditch Pipeline Project

Beginning in early September, CWCB staff will facilitate a series of meetings between project sponsors and Abt Associates to develop detailed scopes, timelines, and budgets for the proposed projects.

CWCB staff continue to receive expressions of interest in the Technical Assistance Grant Program and have held preliminary meetings with other excellent candidates for the program.

COLORADO RIVER BASIN

COLORADO RIVER WATER USE—

2023 Colorado River Storage as of September 4, 2023			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,066.17	8.898	34%
Lake Powell	3,574.31	8.847	38%
Total System Active Storage		25.619	44%
2023 Total Active Storage		19.855	34%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2023)		13.594	142%

*Note MAF = million acre-feet

WATERSHED AND FLOOD UPDATES

September 2023

National Flood Insurance Program (NFIP) Community Assistance Program-State Support Services Element (CAP-SSSE) Colorado Floodplain Development Management Program

FEMA FY23 NFIP CAP-SSSE Grant Awarded

Following a prolonged application process that saw the introduction of a new FEMA grants application portal and expanded scope of work and budgetary reporting requirements, the annual CAP-SSSE grant was awarded to the State of Colorado's program on Aug. 1, 2023. This grant funds the state's NFIP floodplain management program from July 1, 2023 through June 30, 2024.

FEMA's Community Assistance Program-State Support Services Element (CAP-SSSE) helps states proactively identify, prevent, and resolve floodplain management issues in Colorado communities before a flood event occurs. The goals of the program include ensuring that flood loss reduction goals of the NFIP are met, building state and community floodplain management expertise & capability, and leveraging state knowledge & expertise in working with local communities.

During the FY23 period of performance, CAP-SSSE staff will support the efforts of the CWCB including participating in the division's floodplain mapping program (CO Hazard Mapping Program & Risk Mapping/Assessment/Planning), Wildfire Ready Watersheds-Flood After Fire, and Colorado's Flood Technical Assistance Partnership (FTAP) committee. Working closely with local Colorado communities is among the most important roles of this program and will be accomplished through 50 scheduled Community Assistance Contacts, 24 Community Assistance Visits, and by providing general technical assistance on a case-by-case basis.

CAP-SSSE staff have conducted seven community assistance contacts (CAC) since July 1. 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. Most communities contacted were found to be in good standing. For communities where any issues were found, guidance was provided to help the communities get the issues addressed.

NFIP Community Enrollment

The Town of Hugo continues to pursue participation in the NFIP. The community submitted their draft floodplain development rules to CAP-SSSE staff for review on August 1, 2023, and was returned with comments on the same day. The community will present the ordinance to their Trustees for approval and adoption which will then be forwarded to FEMA for recognition.

In cooperation with the CWCB floodplain mapping team, CAP-SSSE staff presented to the Town of Westcliffe Board of Trustees on August 15, 2023. We provided information on the NFIP program, responsibilities should the community decide to participate in the program, and guidance to the community for joining the program. It is hoped Westcliffe will join its Custer County sister community of Silver Cliff which joined the NFIP in June of this year.

Staff Training

CWCB NFIP Specialist, Willem Lensink, will be attending the Emergency Management Institute this fall for a class on managing floodplain development through the NFIP. This course provides local, state, tribal, territorial, and Federal officials with the knowledge and skills to administer and enforce floodplain management regulations. This course will benefit the state and CWCB as it will grow the Flood Section's knowledge base on ordinance administration and floodplain management.

(Doug Mahan; Willem Lensink)

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. To date, we have received 80+ cases and we currently have ongoing cases in Boulder, Clear Creek, Chaffee, Douglas, El Paso, Elbert, Garfield, Gilpin, Grand, Jefferson, Larimer, Montrose, Prowers, Pueblo, San Miguel, Sedgwick, Summit and Weld Counties.

September 2023 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: Phase 2 (Data Development) is underway. Our consultant submitted the hydrology deliverable and comments came back from FEMA, which are being addressed. We are verifying with the communities that they are still in agreement with the 2D modeling instead of 1D. Town of Alma came back requesting that we study their streams with 1D models.
- Logan County: The County has been suspended from the NFIP. The County's NFIP participation status will not impact progress for the Risk MAP project. Phase 2 Memoranda of Agreement (MOAs) signed from the Town of Fleming and City of Sterling. County does not wish to sign. Survey efforts should have been completed in late August.
- Adams and Arapahoe Counties: The draft BLE modeling and mapping are complete for both counties. Together, CWCB and MHFD held virtual meetings with the Adams communities on January 18th, and with Arapahoe communities on January 26th. For portions of the counties outside the MHFD, BLE data will continue through the Risk MAP process that is being implemented in other counties across the state. Draft BLE data developed within the MHFD boundary has been provided to MHFD and will not be studied further by CWCB. MHFD will use the data for informational

purposes and other uses within the service area. We are planning to hold Risk MAP Discovery meetings for the CWCB portions of both counties in the next few weeks as we move ahead with the flood hazard updates.

- Morgan County BLE: We will be scheduling a Phase 2 kickoff meeting in the coming weeks, now that a contract is in place. We are investigating some past flooding history from 1965 in the Town of Hillrose before proceeding.
- Weld Countywide: A countywide BLE/Discovery effort is starting for all flooding sources with drainage areas > 1-square mile. This countywide study will not include flooding sources recently updated with the CHAMP project (summarized below). A kickoff meeting with communities will be held in the next few months.
- 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. Three remaining counties are being completed within the South Platte Basin. These include Boulder, Weld, and Larimer Counties.
- Boulder County PMR: Revised preliminary FIRMs took place on 7/11 to incorporate some changes resulting from due process. The LFD date is set for 12/20/2023. FEMA's contractor is restudying the stream segments along Left Hand Creek as recommended by the Scientific Review Panel (SRP). This impacts portions of three FIRM panels that will reflect the effective flood hazard 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.

Two LOMRs are 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), and to incorporate an effective LOMR along Fourmile Canyon Creek near the southern boundary of FIRM panel 08013C0385J. All stream reaches included in the LOMRs are well outside the SRP area. CWCB is working with MHFD to get these two required LOMRs completed.

- Weld County PMR: The Letter of Final Determination (LFD) was issued on May 30, 2023. The revised Flood Insurance Study (FIS) and Flood Insurance Rate Maps (FIRMs) will go effective on 11/7/2023.

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. For this to occur, another mandatory appeal period is required for the four FIRM panels that include portions of the City of Longmont. The four panels are being removed from the Weld County PMR to become the Longmont PMR. This will allow the rest of the Weld County PMR move toward becoming effective. , The Longmont PMR will proceed on a slightly delayed schedule to accommodate the additional appeal period.

- Larimer County PMR: Due process for this project has ended and there were several comments/appeals received. Valid Appeal items have been resolved and revised preliminary FIRM panels are being produced for issuance on 10/16/2023.
- Phillips County Phase 4: The 90-day appeals/comment period closed on June 27th. FEMA received one hydrology- and hydraulics-based package from CDOT during due process. FEMA's contractor will review the package contents to determine if it is a valid appeal.
- Phillips Countywide: CWCB held the countywide Discovery meeting in January 2023, and we are preparing for a Phase 2 kickoff meeting in the near future. This study covers the portion of Phillips County not included in the Phase 4 project BLE hydraulics were approved. The second part of the review (BLE mapping) is on hold pending BLE DFIRM database decisions from FEMA and it's contractor.
- Sedgwick County: A countywide BLE/Discovery effort has begun for flooding sources that weren't updated with the CHAMP project that became effective in May 2021. A kickoff meeting is scheduled to take place in the near future.

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

- Eagle County Physical Map Revision Phases 2-3: CWCB held the Consultation Coordination Officer (CCO) and two Public Meetings on May 30, 2023. CWCB coordinated with the communities to have Spanish interpreters attend both public meetings at the communities' request. While no Spanish speakers were in attendance, it allowed CWCB to get experience on accommodating a wider audience. All three meetings were well attended and there were a lot of good questions and discussion regarding the flood study process, mapping revisions, insurance information, etc. CWCB will need another revised preliminary to adjust some mapping from a somewhat recent LOMR in the Basalt area.
- Garfield County Phase 2-3: Hydraulic analyses are being performed for the scoped streams. A debris flow analysis is also being produced for the Glenwood Springs area and we have shared the results with the community. There were a lot of questions on potential insurance implications in/around regulatory mapped debris flow areas, etc. CWCB will be meeting with FEMA to provide more information in response to the concerns.
- Summit County BLE/Phase 2: First part of the survey is complete. Remaining survey collection is weather-dependent. CWCB will reach out once more to property owners where access was previously denied. If access is still denied, conservative assumptions will have to be made to complete the hydraulic analyses. Several previous items of County concern from the 2016 study are being addressed with the ongoing study. Hydrology is being developed for other portions of the County and will be ready for FEMA review in the near future.

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

- Delta County Phase 2-3. CWCB sent out memos to communities to obtain final concurrence with 2D modeling for Zone A streams, since a few of them are being mapped for the first time. City of Delta is reviewing and asking for more files to verify things internally. New preliminary distribution date likely Oct 1, 2023. For the state-funded Minnesota Creek LOMR, survey has been collected. Surveyors were unable to locate one of the culverts near the confluence with

the North Fork of the Gunnison River. The Town of Paonia has been contacted for additional assistance in locating any as-built or other records for this structure.

- Ouray County PMR: The Ouray County LFD was issued on July 11, 2023. The county will have updated, effective maps for some major flooding sources on January 1, 2024.
- Ouray Countywide BLE: A countywide BLE/Discovery effort started for areas not covered in the Ouray County PMR. A kickoff meeting with communities will be scheduled in the coming weeks.
- Gunnison County PMR: Hydraulic modeling had been approved by FEMA; however, the communities requested consideration of an existing embankment/dam structure (non-dam feature) as providing flood protection. CWCB is working with communities as they address options for ensuring the existing embankment can be credited with providing flood protection. Floodplain mapping submittals will take place once there is a path forward regarding this existing embankment. We are also coordinating with FEMA on proposed shallow flooding floodplain zones for certain areas through the Town of Crested Butte. Once approved by FEMA, the approach may be used in other Colorado Counties where appropriate. Gunnison has expressed concerns regarding the hydraulic modeling methodology along the Gunnison River. It is currently a two-dimensional(2D) hydraulic model, and they are requesting consideration of a 2D-informed 1-dimensional (1D) model for portions of the major flooding sources for regulatory purposes.
- Gunnison Countywide BLE: Phase 2 kickoff meeting with communities took place on January 17, 2023, to discuss the next steps in the Risk Map process. We are currently working with the county to get concurrence on the proposed path forward. Concerns are regarding the hydraulic modeling methodologies to be used for certain flooding sources.

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

- Alamosa County BLE: BLE and draft mapping data for Phase 1 of the countywide study expected to be ready later this year. We are coordinating with the City of Alamosa, USACE and FEMA, as the city works toward certification for portions of the existing levee system.
- Costilla County Phase 2-3: We are working with our consultant to cover additional data development for required stream reaches that we were not able to previously revise due to significant delays in obtaining high resolution LiDAR data.
- Mineral County/City of Creede LOMR: The Willow Creek LOMR to support certification of the existing levee in the City of Creede has been issued. This LOMR meets FEMA's accreditation requirements to allow flood hazard mapping to reflect the levee providing flood protection for portions of the community. Mineral County preliminary distribution took place on January 13, 2023, and we are preparing to hold the CCO and Public meetings on September 7, 2023.

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 is ready for FEMA review and approval. Next steps include working with communities on floodplain mapping options. CWCB has proposed representative floodplain mapping options for mapping areas of shallow flooding along Georgia Gulch. With FEMA approval, these options will be shared with the communities.

We anticipate collaboration with both communities and FEMA on the final shallow flooding mapping approaches in the next couple of weeks.

- Chaffee County Phase 2: Field survey complete. Wrapping up hydrology development. CWCB, FEMA and the County have been discussing the Chalk Cliffs area to determine the best approach for flood hazard mapping information and supplemental non-regulatory information that will help the county with regulation of development. At our last meeting with the County on August 29, 2023, it was decided to leave the effective approximate floodplain delineation (Zone A) for the Chalk Cliffs as is. Proposed development in this area will trigger additional geological hazards information from developers to support the development effort. More information on non-regulatory product development may be revisited in the future if desired by the County.
- Custer County BLE: We have had recent coordination with the County and incorporated towns to discuss the scope of work expectations and are waiting to get confirmation on the last few stream studies. If no confirmation is forthcoming by the first week of September, the study will proceed and only provide updates of currently effective streams during data development for this project.
- Pueblo County BLE: CWCB is working to scale back the original Phase 2, Year 1 scope for the pre-levee assessment efforts (as requested by FEMA). CWCB is awaiting the revised scope from our Contractor that includes both the language and level of detail that aligns with FEMA's authority relative to levees.
- Huerfano County Phase 2: Detailed hydraulic modeling for stream reaches scoped in Phase 2 is wrapping up. We are coordinating with the County and incorporated communities to discuss how to proceed with mapping of floodways and shallow flooding areas. This will require coordination with FEMA.
- Bent County: This project is 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. 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 has provided state funding to develop an Emergency Preparedness Plan and Interior Drainage Analysis for this levee. The EPP has been provided to CWCB for review. Both of these products are required and will be included by the levee sponsors as part of their levee certification package. CWCB has made a one-time funding contribution for the sponsors to complete the geotechnical evaluation. This evaluation is key in providing data to allow an accurate assessment and identification of the level of effort needed to obtain levee certification.
- Otero County: Floodplain mapping is being revised based on unrealistic hydrology tie-ins from the Apishapa River area. The subsequent delay to resolve discrepancies will push the next community meeting into the fall/winter months.
- El Paso Phase 2 and Templeton Gap (T-Gap) Levee: Data Development continues for updated hydrologic data and hydraulic modeling for the El Paso countywide Risk MAP study. CWCB has provided funding to support coordination between our Risk MAP team and the LOMR Review

Partners Team to coordinate consistency in hydrologic and hydraulic modeling approaches for ongoing and proposed development underway 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. 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 flood protection. The City of Colorado Springs has funded revised hydrology for the Templeton Gap area that will be used in the hydraulic updates. The El Paso County Phase 2 hydrology deliverable (including the Templeton Gap hydrology) will be going to FEMA for review in the coming weeks. CWCB is working with El Paso County to determine if recent flooding events will warrant some study adjustments along isolated flooding sources.

- Las Animas County Phase 2: We will be repurposing FEMA FY22 grant funds originally identified for Phase 3/4 work to help cover the data development for additional flooding sources requested by communities. Survey efforts are complete for the detailed study reaches and hydrology revisions are underway.
- Fremont County Phase 2: CWCB is 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 in the near future, as we get ready to hold a flood risk review meeting in the coming weeks.
- Prowers County Phase 2: Base floodplain models are complete and are currently under FEMA review/comment. Once FEMA approves the base floodplain, floodway analysis will be performed and submitted for FEMA review and approval. The Flood Risk Review meeting is anticipated to take place in the coming weeks.
- Towns of Granada/Holly/Lamar (Prowers County) Pre-Levee assessments: The Lamar Levee Analysis and Mapping Procedure (LAMP) is being reviewed. State-funded Interior Drainage Reports and Emergency Preparedness Plans (EPPs) are with CWCB for review.
- Kiowa County: 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 be scheduled soon.
- Baca County: 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 be scheduled soon.
- Crowley County: 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 be scheduled soon.

Yampa/White Basins –Moffat County has an ongoing Risk Map study:

- Moffat County: Hydraulic models for specific flooding sources have been approved by FEMA. CWCB is awaiting FEMA approval on recommended mapping options along Fortification Creek within the City of Craig. Once shallow flooding mapping options are approved by FEMA, floodplain mapping will be updated in coordination with the City. CWCB anticipates these approvals and upcoming meetings with the communities will take place in the next few weeks.

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

- Animas Watershed Phases 3-4 (La Plata, San Juan, Archuleta, and the SUIT):
 - La Plata County PMR–Some revised preliminary maps resulting from resolution of items received in due process required a 30-day community comment period after being issued June 14, 2023.
 - Archuleta County PMR– The LFD was issued April 5th, and the updated flood hazard information will become effective October 6th. CWCB’s Contractor is working to submit the final Technical Study Data Notebook (TSDN).
 - San Juan County PMR – The San Juan County PMR was completed with revised flood hazard data went effective on May 5, 2023.
- Southwest Colorado (Montezuma, Dolores, San Juan, La Plata, Archuleta, Hinsdale, Mineral Counties and the SUIT and UMU Tribes) BLE: Our Contractor submitted BLE and the Discovery deliverables for FEMA review and approval. Comments are currently being addressed and will be resubmitted. The scope of work will be finalized for detailed study stream reaches once Phase 2 kickoff meetings take place with communities and tribal nations impacted by flood hazard modifications. These will be coordinated and are expected to take place over the next few months. With FEMA approval, CWCB will reallocate funding from the Phase 3-4 scopes of work to accommodate the study of additional streams that were requested by communities during the Discovery meetings in May 2022.

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

- Elbert County: Phase 2 (Data Development) is underway. CWCB’s Contractor is addressing comments on the hydrology submittal. Hydraulic modeling preferences between 1D and 2D modeling approaches are also being confirmed. CWCB will be working with Elbert County communities to determine if recent flooding events will require some study adjustments along isolated flooding sources.
- Mesa County Phase 2: Surveying complete. Hydraulics for the Colorado River are in the FEMA review/comment stage. The remaining countywide flood hazard mapping will be going to FEMA for review soon.
- 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 presented during the annual Association of Stormwater and Floodplain Managers conference in mid-May 2023.
- Hinsdale County/Lake City Partial Countywide: The 90-day appeal and comment period began February 10th; however, a new appeal period was required due to omission of required FEMA language in the original newspaper publications. The new 90-day appeal period started August 4, 2023 and will run for 90 days.

- Hinsdale Countywide BLE: A Phase 2 kickoff meeting with communities is anticipated in the coming months to finalize the Phase 2 scope.
- Teller County Phase 2: CWCB's Contractor has completed the revised hydrologic analyses for Trout Creek and Fountain Creek. Additional analysis was required to verify flows were reasonable and in line with existing flood flows for the same flooding sources in adjacent counties. Updated reports on the results are in process and will be shared with the appropriate communities.
- San Miguel Countywide BLE: A countywide BLE/Discovery effort will be starting soon. An in-person kickoff meeting with communities will be scheduled in the coming months. CWCB and its contractor will be coordinating with communities on identifying new and/or updating effective flood hazard for flooding sources with drainage areas greater than 1 square mile that were not included in the San Miguel PMR (more updates under the CHAMP Ph3 category below).
- Lincoln Countywide: A countywide BLE/Discovery effort has begun 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 a Discovery meeting will be scheduled with communities to review results in the near future.
- 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. As such, CWCB funded a paper inventory reduction effort through various counties across the state that were still using old paper floodplain maps and needed updated flood risk information, especially if they were affected by these floods and the 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: This PMR has been on hold for two 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 a LOMR on the effective FIRM and FIS information. Once the LOMR has been issued, the 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).
 - Lincoln County Phases 2-3: The appeal period started on June 29, 2023. The window to submit comments or appeals will end on September 29, 2023. Neither FEMA nor CWCB have received additional information to date.
 - Saguache County: Floodplain mapping has been approved by FEMA for all areas submitted outside of the Town of Crestone. A resilience meeting for areas outside the Town took place on August 23, 2023.

(Terri Fead and Marta Blanco Castaño)

Wildfire Ready Action Plans (As of August 25, 2023)

With the special release of the Colorado Watershed Restoration Grant program, the CWCB has a \$10M allocation of America Rescue Plan Act (ARPA) funds. These funds are to be allocated,

““for watershed restoration and flood mitigation grants to restore, mitigate, and protect stream channels and riparian areas susceptible to flood hazards and sediment erosion and deposition after wildfire, including expenditures for the design and implementation of projects intended to mitigate increased flows, sediment, and debris, with federal and local matching requirements”.

– HB 22-1379

Within this grant program there is a great need and opportunity to develop [Wildfire Ready Action Plans \(WRAP\)](#), which are intended to identify local susceptibility to post-wildfire hazards and plan to mitigate those risks as much as possible, before natural disasters occur. WRAPs are a major component to the CWCB’s [Wildfire Ready Watersheds](#) program. Both initiatives aim to help identify susceptibility with the end goal of putting more time, money, and resources into making our watersheds and communities more resilient to wildfires and the lasting impacts associated with wildfire. WRAPs are going to give stakeholders the necessary insight and data driven analyses to make properly informed management decisions.

There are currently 7 grant applications that are focused on WRAP efforts and 1 application forming an intergovernmental agreement (IGA) with the Colorado Geologic Survey (CGS). In total, there is just over \$1.05M in requested funds. The IGA with the CGS is to start an undertaking of mapping alluvial fans, which will be a key dataset for analyzing debris flow susceptibility to down stream values at risk. Our initial contract will cover 4-5 counties and we hope to extend the geographic scope to include more susceptible counties. All seven WRAP applicants have experienced the cost of wildfire in recent years. These communities realize the importance of what a WRAP can provide them with. Within those seven applications, some of the State’s largest water providers (Aurora Water, Colorado Springs Utilities, Denver Water and Northern Water), have become lead grantees, major stakeholders, and major funding contributors. Further underling the importance of source water protection and planning for productive management of our forested watersheds.

The CWCB Watershed team has been attending all stakeholder meetings, to ensure that their goals are being met with our new program. Our team has been impressed with the level of engagement and diversity of stakeholders that wish to collaborate on this landscape level planning effort.

Contracting these ARPA funds has been a major hurdle for the CWCB. The Watershed team has relied heavily on the entire Administration and Operations Section. These federal dollars have made new, complex pathways and regulations that have been extremely time consuming to navigate. Our first application took 6 months to contract. That process is becoming more familiar and the time from submittal to contract should be improving. The ARPA funds for this special release, need to be allocated by the end of 2024 and spent by the end of 2026. The timeline is tight, but we are optimistic that this new program will keep gaining traction and providing the necessary tools and collaborative environment our watersheds need. We truly appreciate all the internal support and external engagement getting this program up and running.

Steven Reeves

Colorado Strategic Wildfire Action Program (COSWAP)

The [Colorado Strategic Wildfire Action Program](#) (COSWAP) has partnered with the CWCB's Wildfire Ready Watersheds (WRW) program to implement their Landscape Resilience Investment Grant. This grant program awards funding for projects focused on watershed and wildfire resilience. It identifies specific areas in the state to focus funding for landscape scale fuels mitigation. 2022 Landscape Resilience Investment Grant awards were approximately \$8.5 million. 2023 awards will total \$2 million.

COSWAP is housed in the DNR's Executive Director's Office. They have been working with CWCB staff to identify high priority areas delineated by WRW's statewide susceptibility analysis. Priority areas were further refined by overlaying COSWAP strategic focus areas and watershed stakeholder groups currently working on [Wildfire Ready Action Plans](#).

The WRW Wildfire Ready Action Plan ethos is that it will take a mosaic of different project types implemented strategically across the landscape to impart resiliency at watershed scales. The partnership with the COSWAP program is a big step towards manifesting this guiding belief. It is one that will likely bring together foresters, water suppliers, community planners, and the environmental & recreational community.

Current funding through a Special Release of the Colorado Watershed Restoration Program for WRW planning and implementation will allow match funding from forest health projects designed to work within the WRW ethos. The strategy being founded on Aristotle's theory that the "whole is greater than the sum of its parts". A forest health project, e.g., thinning, prescribed burning, planting for diversity, implemented alone may not have great value at watershed scales. A stream restoration project implemented alone many not have great value at watershed scales. The two planned together strategically to protect Colorado's values at risk will impart much greater protection against wildfire, post-wildfire hazards, and other impacts society endures as the climate changes.

Chris Sturm

Implementation of Stream Management Planning

The Upper Gunnison River Water Conservancy District is currently working on their Upper Gunnison Watershed Assessment and Management Plan (UGRWCD), and they recently hosted a site visit to the Gunnison basin to showcase the work that they've managed to complete following Phase I of their plan. The UGRWCD has been incredibly effective at implementing wet meadow restoration in their basin, bringing together a wide array of stakeholders for these projects, representing the agricultural community, as well as recreationists. Given that there are no water supply reservoirs in the basin, the UGRWCD has done an incredible job with education and outreach, ensuring that their community understands the importance of wet meadow restoration, not only for increased habitat and attenuated stream flows, but also for groundwater storage, creating a community that supports these types of projects and understands the benefits for their basin.

Another component of this site visit, which included stream management planning practitioners from around the state, involved discussing these great accomplishments by the UGRWCD, as well as talking through the challenges that they've overcome and the challenges that other SMP practitioners face in their own basin. Often times, these challenges are centered around stakeholder outreach and discussions regarding flow targets, which are an outcome that the CWCB is hoping to achieve from most, if not all, stream management plans, or other controversial project types, such as beaver dam analogues

or post-assisted log structures. These conversations can sometimes be contentious, which leads many communities to try to avoid them, but since the CWCB is pushing SMP practitioners to work towards including community-driven flow targets within their plans, it's important to provide support and training on how to do that. This site visit was one example of how we're hoping to facilitate these tough conversations. By showcasing the UGRWCD and their success in implementing what are sometimes regarded as controversial projects, we can give other SMP practitioners a network with which to tap and talk through these challenges, how to overcome them, and how to make all of their community members feel heard.

Andrea Harbin Monahan

Flood Section Welcomes New Staff Member

The Flood Section welcomed its ninth member in August with the arrival of Karen Meyer. Karen will work as the Floodplain Mapping Group's procurement and financial leader. Prior to joining CWCB, Karen worked in the Real Estate section of Colorado Parks and Wildlife. Karen will be in charge of preparing contracts and task orders associated with the floodplain mapping program as well as the payment of invoices and general financial management. There is currently a large backlog in this work, and the Flood Section is excited to have her on board. Outside of work, Karen is a ballet dancer, a musician, and she is a prior major in the U.S. Army stationed in Antarctica.

(Kevin Houck)

Flood Disaster Declared in Colorado Following 2023 Spring Storms

Following the spring rainstorms in Eastern Colorado, President Biden signed a flood disaster declaration and it became effective August 25, 2023. It is numbered DR-4731-CO and includes the counties of Douglas, El Paso, Elbert, Lincoln, Kit Carson, and Cheyenne. A link to an information page for the disaster can be found here:

<https://www.fema.gov/disaster/4731>

Following the declaration, the State is also trying to also add Logan, Washington, and Arapahoe. The addition of these counties is not a sure thing, and a timeline is not known. Logan County also has additional circumstances as the County was recently suspended from the National Flood Insurance Program for not adequately enforcing its local floodplain ordinance.

CWCB staff assisted the Colorado Division of Emergency Management (DHSEM) in acquiring the data needed for the request for declaration. The Flood Section will continue to support DHSEM as needed throughout the recovery process, although this will likely be a smaller set of support duties than in past disasters due to the nature and extent of the damages.

(Kevin Houck)

Ten-Year Anniversary of the Largest Natural Disaster in Colorado State History

September 2023 will mark the ten year anniversary of the 2013 Front Range Floods, which remains the costliest natural disaster in Colorado state history. Although the number has changed over time as additional information comes in and additional actions are taken, it is widely considered to be a \$3-4

billion disaster (at least three times the damages from the Marshall Fire). This event eclipsed the 1965 Front Range floods as the costliest natural disaster the State has experienced.

Up to 19 inches of rain fell along the Colorado Front Range during a one-week period beginning September 11, 2013. Most of the rain fell during a 30-hour period with additional rainfall experienced throughout the remainder of the week. The amounts and extents of the rainfall were well documented throughout this event due to detailed radar data collection and volunteer rain reports. The rain was centered along the northern Front Range and the eastern Denver metropolitan area. In addition, an official National Weather Service (NWS) rain gauge at Fort Carson in El Paso County set a new state record for official recorded rainfall collected in an NWS gauge in a 24-hour period with 11.85 inches. (Meteorological staff and the CWCB Flood Section know all too well that quite often the peak rainfall misses these gauges!)

Damage to the area was substantial and differed in nature from past events. While the event triggered extremely high rainfall as detailed above, the rainfall was lower in intensity from many past Colorado floods and was characterized by an extended period of moderate rainfall which resulted in several days of high flows on medium and large rivers. These extended streamflows resulted in extreme geomorphological change, with rivers changing their location both horizontally and vertically. In addition, a large area of high altitude rainfall was experienced, which resulted in very high streamflows in foothills streams that originate at a high elevation.

The rainfall was tropical in nature and originated from the Gulf of Mexico, although it was not a hurricane remnant, which Colorado does experience from time to time. It was a warm-based storm, with no snowfall recorded throughout the event, including at high elevation. Peculiarly, there was also no convection recorded during the event.

The storm resulted in ten deaths. Any deaths at all are generally considered unacceptable by the emergency management community. However, it is worth noting in context that this was much lower than past events, especially the 144 deaths that occurred in the 1976 Big Thompson Flood (Big Thompson canyon also flooded during this event, along with many other watersheds). This is indicative of better outreach and notification processes, as well as better flood prediction and public awareness.

Nearly 2,000 homes and commercial buildings were destroyed during the event. In addition, nearly 20,000 additional buildings were damaged during the event. Over 50% of the damaged and destroyed buildings were located outside of regulatory floodplains, primarily due to the shifted riverbeds, which resulted in floodwaters being experienced outside of historical norms. All told, it was reported by the governor's office that 28,000 households were affected by this flood event. The majority of the flood damages were experienced in the St. Vrain/Boulder Creek and Big Thompson/Little Thompson watersheds as well as the South Platte River mainstem. Additional problems were experienced in Coal Creek Canyon (Jefferson and Boulder Counties) and El Paso County. Most of the Denver metropolitan area was spared from extreme damages, primarily due to the decades of mitigation work performed by the Mile High Flood District and local governments in the metro area over the prior 50 years. Almost all of the highways connecting the Front Range to the Peak to Peak highway were damaged and unavailable for months following the event. During damage assessments immediately following the flood, it took staff over four hours to get to Estes Park. Many foothills areas were completely cut off from transportation viability.

Of particular interest to this agency, the flood resulted in very damaging losses to both water resources infrastructure and stream health. Immediately following the flood, the Board approved a zero-interest loan program for infrastructure repairs associated with the flood; this money was often used as a “bridge loan” that allowed water providers to begin needed repairs immediately without having to wait for FEMA disaster assistance funds to arrive. CWCB Staff worked with other stakeholders to convince FEMA to deviate from its standard policy of only providing disaster assistance funding to publicly owned infrastructure to also include privately owned infrastructure that also included public delivery components. CWCB staff worked with the NRCS on a comprehensive Emergency Watershed Protection (EWP) grant program to further assist with damaged water infrastructure as well as stream health and watershed restoration projects, a program that was completed in 2018.

In addition, through the directives of SB 15-245, CWCB implemented the Colorado Hazard Mapping Program (CHAMP). As part of this program, staff completely redeveloped hydrology, hydraulic models, basemapping, and floodplain maps for the entire flood affected area, an enormous technical undertaking. A rare opportunity existed to calibrate new models with the data-rich technical resources from the flood, which allowed the Flood Section to develop a new understanding of the flood risk along the population-heavy Front Range. Following the completion of this work, it was determined that the majority of the flood was closer to a 100-year event than a less-frequent event (i.e. 1000-year, as initially reported by the media). The large regional extent of this remains a statistical anomaly, however, as these flood events are usually more isolated or localized in nature. Nevertheless, a few areas did experience a 500-year event or greater – most notably in Lyons and along the South Platte River near Greeley.

It is worth taking time to reflect on the effect this event has had on Colorado. While the recovery efforts have been substantial and something to be proud of by us all, this event demonstrated that even with well-mitigated and regulated areas, floods can be deadly and particularly damaging. Climate change has the potential to make floods like this more common and even more damaging. Keeping the public prepared for eventual floods is a never-ending job by staff and leaders at all levels of government.

(Kevin Houck)

WATER SUPPLY PLANNING SECTION UPDATES

September 2023 Report Water Supply Planning

Director Report Paragraph:

Water Plan action implementation has been an important focus for the Water Supply Planning Section in the last 2 months. In August staff held internal workshops to begin advancing several near-terms actions and are actively budgeting and planning for completing agency actions over the upcoming years. The Governor's Urban Landscape Conservation Task Force held its third meeting on August 30 (virtually) to continue making progress on Water Plan Action 1.7 to identify turf replacement options that support transformative landscape change. That meeting recording is available on CWCB's Youtube channel. Additionally, CWCB closed round 2 of its turf replacement program (TRP) on August 31. We expect that all TRP funding will be earmarked for allocation by the end of 2023 due to the high interest in both cycles. We are still contracting the first round and reviewing the second round applicants; 28 funded entities have completed contracting and are starting to work on their site-specific projects or advancing turf rebate and incentive programs. Details on the funded entities are available at <https://engagecwcb.org/turf-replacement-program-funding-summary>

The last Water Availability Task Force meeting was held on August 17. Statewide, we saw July 2023 precipitation was below average - largely due to the extremely dry conditions in the southwest region. This contrasts with the very wet conditions in eastern Colorado, where a large portion of northeastern Colorado saw the wettest three-month period on record (May-July 2023).

The annual Water Congress Summer conference in August offered a panel that highlighted One Water concepts in the Water Plan and featured Russ Sands and Jenna Battson. This ties closely to work that Kevin has been doing with the core planning team for the Denver One Water Plan funded by a water plan grant.

The next WSRF application deadline is October 1, and the WSRF program will make its annual allocations to basin accounts available on October 2, 2023.

Upcoming events to keep on your radar:

- **Water and Land Use Planning Alliance**
 - October 19th is the next meeting.
 - Will highlight some work being done by Mile High Flood District around their Confluence tool and how it encourages more system thinking for integration of land use and water planning.
- **Growing Water Smart workshop**
 - First workshop specifically focused on west slope communities will take place Oct. 23-25 in Grand Junction.
- **C9 Summit**
 - November 14th, in conjunction with the November Board Meeting
 - This will be an event to help align IBCC, roundtable and board discussions and foster cross-basin collaboration.
- **Colorado Water Loss Initiative**
 - North American Water Loss conference on December 5-7, 2023 Denver

Water Supply Reserve Fund Grants Director's Report – September 2023

WATER SUPPLY RESERVE FUND GRANTS:

The following table summarizes the Water Supply Reserve Fund Grants \$50,000 and under were approved by the CWCB Director, Lauren Ris, on August 25, 2023.

Basin	Applicant/Grantee	Name of Water Activity	Basin(s) Account Request	Statewide Account Request	Total Request	Staff Funding Recommendation
Colorado	The Blue Stone Ditch Association	The Blue Stone Ditch Association Engineering Study	\$22,800	--	\$22,800	\$22,800
Gunnison	Redlands Water & Power Company	Hydroelectric Power Plant & Main Pump Station System Optimization Review (SOR)	\$33,237	--	\$33,237	\$33,237
Metro	Open Water Foundation	Clear Creek & Boulder Creek Basin Information Websites	\$40,000	--	\$40,000	\$40,000
Metro	Wadley Farms 3 Homeowner's Association	Wadley Farms Filing No. 3 Lake #1 Rehabilitation & Improvement Project	\$15,000	\$23,000	\$38,000	\$38,000
Rio Grande	Sheep Creek Landowner's Association	Sheep Creek Community Pond Fresh Water & Fire Mitigation Enhancement	\$40,000	--	\$40,000	\$40,000
South Platte	Sedgwick County Well Users	Augmentation Well Rehabilitation	\$18,516	\$18,516	\$37,032	\$37,032
Southwest	Florida Consolidated Ditch Company	Pastorous Reservoir Headgate Replacement	\$46,275	--	\$46,275	\$46,275
Southwest	Mountain Studies Institute	Post 416 Fire Recovery Monitoring	\$17,943	--	\$17,943	\$17,943

Southwest	San Miguel Watershed Coalition	Floodplain Restoration Opportunity Inventory & Wetland Coexistence	\$49,850	--	\$49,850	\$49,850
Yampa/White/Green	City of Craig	Fortification Creek Stage Sensor & Telemetry Project	\$10,000	--	\$10,000	\$10,000

Public Education Participation & Outreach (PEPO) Grants Director's Report – September 2023

Public Education Participation & Outreach (PEPO) Grants:

The following table summarizes the PEPO Grants \$50,000 and under that will be sent to the CWCB Director, Lauren Ris, for approval.

PEPO Grant Type	Basin	Applicant/Grantee	Name of Water Project	Total Request	Staff Funding Recommendation
Statewide Initiatives	Statewide	Harris Water Engineering	Education and Outreach Campaign - Phase 1	\$43,738	\$43,738
Basin Coordinator	Arkansas	Arkansas River Watershed Collaborative	PEPO - Arkansas Basin Coordinator	\$25,000	\$25,000
Basin Coordinator	Colorado	Fountainhead Consulting	Colorado Basin Roundtable Public Education, Participation, and Outreach Coordinator	\$25,000	\$25,000
Basin Coordinator	Gunnison	Upper Gunnison River Water Conservancy District	Gunnison Basin PEPO Water Education and Outreach	\$24,296	\$24,296

Basin Coordinator	Metro/South Platte	Colorado Watershed Assembly	2023/2024 Metro and South Platte Roundtable PEPO Coordination	\$50,000	\$50,000
Basin Coordinator	Rio Grande	Colorado Rio Grande Restoration Foundation	Rio Grande PEPO Coordination, FY 2023-2024	\$25,000	\$25,000
Basin Coordinator	Southwest	San Juan Resource Conservation and Development	Southwest Basins Roundtable PEPO Coordination and Implementation	\$25,000	\$25,000
Basin Coordinator	Yampa/White/Green	Community Agriculture Alliance, Inc.	YWG BRT PEPO Committee 2024 Project	\$25,000	\$25,000



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

1313 Sherman Street, Room 718
Denver, CO 80203
P (303) 866-3441
F (303) 866-4474

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

TO: Lauren Ris, CWCB Director
FROM: Ashley Garrison, CWCB Administration & Operations Section
Jackie Daoust, CWCB Administration & Operations Section
Laura Spann, CWCB Administration & Operations Section
Lauren Duncan, CWCB Administration & Operations Section
DATE: September 1, 2023

SUBJECT: Water Plan Grant – Recommendations Grants \$50K and under

Staff Recommendation:

Staff recommends Director's approval for the projects listed in the following table regarding Colorado's Water Plan Grant Program.

	Category	Applicant	Project Name	Grant Request Amount	Staff Recommendation
a	Agriculture	Trout Unlimited - Denver	Innovative Irrigation Efficiency: Automated Gated Pipe Valve Field Trials	\$34,500.00	\$34,500.00
b	Engagement & Innovation	Colorado Foundation for Agriculture	Water-Focused Reader for Colorado Classrooms	\$9,992.36	\$9,992.36
c	Watershed Health & Recreation	National Forest Foundation	California Park Mesic Meadow Restoration	\$49,749.00	\$49,749.00
		Total Recommended for Approval			\$94,241.36

Background:

See links to applications for project summaries.





COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

September 8, 2023

Re: Water Plan Grant Approval

Dear Water Plan Grant Managers:

I am pleased to inform you that I have approved staff recommendations for the grants listed in the memo: Water Plan Grant - Recommendations Grants 50K and under – dated September 1, 2023.

Sincerely,

Lauren Ris, Director
Colorado Water Conservation Board

Attachment: Memo - Water Plan Grant - Recommendations Grants 50K and under



Water Plan Grants Director's Report – September 2023

WATER PLAN GRANTS:

The following table summarizes the approved Water Plan Grants \$50,000 and under.

	Category	Applicant	Project Name	Grant Request Amount	Staff Recommendation
a	Agriculture	Trout Unlimited - Denver	Innovative Irrigation Efficiency: Automated Gated Pipe Valve Field Trials	\$34,500.00	\$34,500.00
b	Engagement & Innovation	Colorado Foundation for Agriculture	Water-Focused Reader for Colorado Classrooms	\$9,992.36	\$9,992.36
c	Watershed Health & Recreation	National Forest Foundation	California Park Mesic Meadow Restoration	\$49,749.00	\$49,749.00
		Total Recommended for Approval			\$94,241.36

INSTREAM FLOW

RECENTLY DECREED ISF WATER RIGHTS: On August 27, 2023, the Division 5 Water Court decreed instream flow (ISF) water rights to the CWCB on a reach of Spruce Creek in Case No. 22CW3115 for 0.4 cfs (04/15 – 06/30), with an appropriation date of January 24, 2022. The upstream terminus is the headwaters of Spruce Creek, and the lower terminus is a location just above the Hoagland Spruce Creek Flume. This reach is approximately 3.54 miles long and flows in a northeasterly direction through parts of Grand and Summit Counties. No statement of oppositions were filed in this case. This water right is in addition to an existing ISF on Spruce Creek decreed in Case No. 85CW0645, with an appropriation date of November 8, 1985, to the CWCB for 0.5 cfs (01/01-12/31). The Bureau of Land Management recommended an increase to the existing ISF water right to protect the self-sustaining population of Colorado River Cutthroat Trout (*Oncorhynchus clarkii pleuriticus*).

Director's Report Attachment – September 20-21, 2023 CWCB Meeting Stream and Lake Protection Section De Minimis Cases

The following table summarizes applications that have 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.

Applicant Case No.	Water Div.	Applicant	Stream/ CWCB Case No.	ISF Amount (cfs/date)	Individual Injury (%)	Cumulative Injury (%)	Count
23CW3053	1	Matthew A. Canner, Mountain Mutual Reservoir Company and North Fork Associates, LLC	North Turkey Creek 1-94CW250	0.75 (7/16 - 3/31) 2.9 (4/1 - 7/15)	0.00180 0.00720	0.34947 0.97509	22
23CW3032	4	Brisben Family Limited Partnership	Gunnison River 4-92CW107	300 (1/1 - 12/31)	0.00300 0.00320	0.00300 0.00320	1
23CW3066	5	Fraser's Ridge, LLC	Fraser River 5-90CW308	17 (5/15 - 9/15) 11 (9/16 - 5/14)	0.00390 0.00600	0.65726 0.59049	37
			Fraser River 5-90CW308B	30 (5/15 - 9/15) 19 (9/16 - 5/14)	0.00220 0.00350	0.03947 0.04539	18
			Fraser River 5-90CW315	11 (9/16 - 5/14)	0.00390 0.00600	0.16625 0.23100	10

	17 (5/15 - 9/15)			
Saint Louis Creek	3.5 (9/16 - 5/14)	0.01110	0.03174	2
5-90CW316	6 (5/15 - 9/15)	0.01890	0.04055	

**September 20-21, 2023 Board Meeting
Instream Flow and Natural Lake Level Program
Summary of Resolved Legal Protection Water Court 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.

Since the last Board Meeting, staff has resolved issues of potential injury to CWCB's ISF water rights in the following water court cases. Staff, along with the Attorney General's Office, has stipulated in 5 cases in which CWCB had filed a Statement of Opposition. Staff obtained an agreement via a letter-in-lieu of filing a Statement of Opposition in 4 cases.

A. STATEMENTS OF OPPOSITION

1. Case No. 20CW3087 (Water Division 2) - Application of Chris and Dale Van Aelstyn

The Board ratified this Statement of Opposition at its March 2021 meeting. Applicant requested "Absolute Storage Right, Absolute Underground Water Right, Approval of Augmentation Plan, Including Appropriative Right 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 28, 2023. The final decree was entered on September 1, 2023.

The CWCB holds instream flow ("ISF") water rights, including the following, in Water Division 2 in the Purgatoire River watershed that could have been injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
09CW0090	Purgatoire River	confl M/N Fork Purgatoire River	confl Lopez Canyon	21 (5/15 - 8/15) 15 (8/16 - 9/15) 8.4 (9/16 - 11/30)	01/27/2009

				7 (12/1 - 4/14) 8.4 (4/15 - 5/14)	
--	--	--	--	--------------------------------------	--

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

- “Pursuant to § 37-92-102(3), C.R.S., the CWCB holds an instream flow water right on the Purgatoire River decreed in Case No. 09CW90, Water Division 2 (“CWCB’s Right”). Pursuant to § 37-92-102(3)(b), C.R.S., and in recognition of Applicants’ historical water uses pursuant to practices that existed as of the date of the appropriation of the CWCB’s Right, the initial fill of the Van Aelstyn Pond for in-reservoir recreation, wildlife, aesthetic and fire protection uses, and the refill of the Van Aelstyn Pond for the limited purpose of replacing evaporative losses from the pond, as necessary based on the pond’s surface area of 0.5 acres, shall not be subject to administration during a call by the CWCB’s Right. The CWCB’s Right is only subject to Applicants’ uses specifically listed above in this paragraph 41 for the Van Aelstyn Pond pursuant to § 37-92-102(3)(b), C.R.S. This operation of § 37-92-102(3)(b), C.R.S., shall not interfere with the administration of the Van Aelstyn Pond in priority as against other water rights, and shall not result in general subordination of the CWCB’s Right to any other water rights. The CWCB’s Right is not subject to § 37-92-102(3)(b), C.R.S., with respect to any fill or refill of stored water applied to the irrigation use attributable to the Van Aelstyn Pond referenced in the above paragraph 13 regardless of the June 1, 1999 appropriation and beneficial use dates claimed for the irrigation use.”

2. Case No. 10CW0036 (Water Division 3) - Application of Timothy N. Lovato and Lori S. Lovato

The Board ratified the Statement of Opposition at its September 2016 meeting. Applicant requested a “Change of Water Rights”; “Augmentation Plan”; and “Determination of Water Rights”, including a change in four water rights from irrigation to add augmentation with a right to fully consume the consumable portion of the water. Applicant has withdrawn a claim to change a transbasin diversion (Treasure Pass Ditch) from Water Division 7 into Water Division 3. 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 29, 2023. This case is scheduled for a five-day trial beginning February 5, 2024.

The CWCB holds instream flow ("ISF") water rights, including the following, in Water Division 3 in the Upper San Juan watershed that could have been injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
80CW0031 (Div. 7)	Wolf Creek	headwaters in vicinity	confl WF San Juan River	11 (3/1 - 8/31) 6 (9/1 - 2/29)	01/30/1980

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

- “CWCB term and condition. No appropriative right of exchange or water exchange project is decreed herein, and any exchange of the Russell No. 13 Water Right for the uses decreed herein under

paragraph 7.1 will be pursuant to an administrative exchange. Applicant shall not operate such administrative exchange, except to operate the plan for augmentation decreed herein, if there is an instream flow water right within the exchange reach that is unmet and being administered."

3. Case No. 19CW3003 (Water Division 6) - Application of Caerus Piceance LLC

The Board ratified this Statement of Opposition at its July 2019 meeting. Applicant requested "Approval of Plan for Augmentation and Exchange and Change of Water Rights". 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 18, 2023. This case remains pending before the water court Referee.

The CWCB holds instream flow ("ISF") water rights, including the following, in Water Division 6 in the Piceance-Yellow watershed that could have been injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
16CW3038	Piceance Creek	confl Dry Fork Piceance Creek	confl White River	4 (1/1 - 12/31)	01/26/2016

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

- "To the extent the Historical Return Flows accrued above downstream calling water rights, Caerus shall replace them to the stream at or above the point of diversion of any such downstream calling water right; or, for a call by the CWCB's decreed instream flow right on Piceance Creek, at or above the location within the instream flow reach at which stream flow is below the decreed rate of 4.0 cfs. Caerus' replacement of Historical Return Flows in accordance with the terms and conditions of this Decree will prevent injury to vested water rights and decreed conditional water rights. The approximate locations at which Historical Return Flows accrued to Piceance Creek from irrigation of the Historically Irrigated Land are shown on attached Exhibit D-1 and described on attached Exhibit D-2."
- "Settlement and compromise with the Engineers and the CWCB: Caerus disputes as a matter of both law and fact the Engineers' and the CWCB's position that a 12.73-acre parcel to the east of Piceance Creek in Section 28, T1S, R97W of the 6th P.M. was not irrigated lawfully with the Square S Ranch Water Rights. As a matter of settlement and compromise with the Engineers and the CWCB, Caerus has agreed to remove the disputed parcel from the historical stream depletion analysis. Nothing in this Decree constitutes or is to be construed as constituting Caerus' agreement with the Engineers' and the CWCB's disputed position as to that lawful irrigation. Based on this settlement and compromise, Caerus' stream depletion analysis incorporates 290.6 as the average number of historically irrigated acres during the Study Period."

4. Case No. 21CW3016 (Water Division 6) - Application of Yellow Dog Ranch, LLC

The Board ratified this Statement of Opposition at its September 2021 meeting. Applicant requested

“Absolute Water Rights (Surface and Storage) and Conditional Water Rights (Surface, Storage and Underground) and Approval of Plan of 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 approved by the Court on August 18, 2023. The Court entered the Referee’s Ruling on August 18, 2023. This case remains pending before the water court Referee.

The CWCB holds instream flow ("ISF") water rights, including the following, in Water Division 6 in the Upper Yampa River watershed that could have been injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
17CW3031	Elkhead Creek	confl NF Elkhead Creek	USGS Gage # 09246200	6.4 (10/01 - 02/29) 10 (03/01 - 03/15) 24 (03/16 - 06/30) 10 (07/01 - 07/15) 2.5 (07/16 - 09/30)	01/24/2017

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

- “The 2017CW3031 Elkhead Creek Instream Flow Water Right is subject to the pre-existing uses of YDR Ponds 1, 2, and 4 as stated in Paragraph 21 of this Ruling and Decree. C.R.S. § 37-92-102(3)(b). Recognition that these stated uses existed at the time of appropriation of the 2017CW3031 Elkhead Creek instream flow water right shall not operate or result in a general subordination of the 2017CW3031 Elkhead Creek instream flow water right to any other junior water right.”
- “In the event the 2017CW3031 Elkhead Creek Instream Flow Water Right is being administered downstream of the confluence of Dry Fork of Elkhead Creek with Elkhead Creek and the Division Engineer has not made a Futile Call Determination as to Yellow Dog Ranch’s water rights, then: (1) inflow to YDR Ponds 1, 2 and 4 may be stored up to the first fill amount as provided in Paragraph 13 of this Ruling and Decree, and the water stored during such time may only be used for irrigation, livestock watering, and wildlife watering as described in Paragraphs 13 and 21 of this Ruling and Decree due to such uses being protected by the terms of C.R.S. § 37-92-102(3)(b); and (2) inflow to YDR Pond 3 and Mill Creek Ponds 1 and 2 shall be released through low-level outlets or bypassed or otherwise removed as contemplated by Paragraph 30.c. herein and the resulting water level in these ponds will drop commensurate with evaporative depletions.”

5. Case No. 21CW3058 (Water Division 6) - Application of David Y. Cogswell

The Board ratified this Statement of Opposition at its March 2022 meeting. Applicant requested “Absolute Surface Water Right and Storage Right”. 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 July 5, 2023. This case remains pending before the water court Referee.

The CWCB holds instream flow ("ISF") water rights, including the following, in Water Division 6 in the Upper White watershed that could have been injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
80CW0379 (Div. 5)	Fawn Creek	confl EF & WF Fawn Creek	confl NF White River	3 (1/1 - 12/31)	05/07/1980
W-3652H (1977) (Div. 5)	North Fork White River	confl Marvine Creek	confl S Fk White River	120 (1/1 - 12/31)	11/15/1977
W-3652C (1977) (Div. 5)	White River	confl NF & SF White River	confl Piceance Creek	200 (1/1 - 12/31)	11/15/1977

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 subject to water rights. The uses of water claimed herein existed at the time of the Colorado Water Conservation Board's appropriation of the instream flow water right on Fawn Creek decreed for 3.0 cfs in Case No. 80CW0379, the instream flow water right on the North Fork of the White River decreed for 120.0 cfs in Case No. W-3652H, and the instream flow water right on the White River decreed for 200.0 cfs in Case No. W-3652C. Therefore, pursuant to C.R.S. § 37-92-102(3)(b), said instream flow rights are subject to the absolute surface and storage rights confirmed by this Decree. Recognition that uses of the claimed water existed at the time of appropriation of said instream flow water rights shall not operate or result in a general subordination of the instream flow water rights to any other junior water right."

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. 23CW3034 (Water Division 4) - Application of Alpine Homes-Ridgway, LLC

During the June 2023 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case No. 98CW0222 on the Uncompahgre River. This case was resolved with CWCB by a letter agreement August 21, 2023, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates terms and conditions as follows, which are from the water court application, into any draft and final decrees. Applicant agrees to not oppose a motion to intervene by CWCB if such terms and conditions are not included.

- 2.J. The Riverfront Village Well was drilled approximately 30 feet from the Uncompahgre River and will operate as a headgate well.
- 4.G. Applicant acknowledges that the Colorado Water Conservation Board (“CWCB”) has an instream flow water right within the exchange reach on the Uncompahgre River decreed in Case No. 98CW222 which is senior to the water rights requested for the Riverfront Village Well and the Riverfront Village Well Exchange. The Riverfront Village Well Exchange will not operate and diversions from the Riverfront Village Well will cease if the CWCB places an administered call based for that instream flow water right.

2. Case No. 23CW3057 (Water Division 5) - Application of Circle C Ranch Kremmling, LLC

During the May 2023 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB’s instream flow water rights decreed in Case No. 86CW0225 on Antelope Creek. This case was resolved with CWCB by a letter agreement, dated June 20, 2023, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates terms and conditions as follows, 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.

- Please attach a place of use map to the application and decree.
- “The place of use is not being changed and will be limited to the historical POU.”
- “Applicant shall continue to honor the dry-up covenant on the property.”
- “The direct flow water rights shall not be stored prior to irrigation.”

3. Case No. 23CW3075 (Water Division 5) - Application of Kolorado River Ranch, LLC

During the June 2023 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB’s instream flow water rights decreed in Case Nos. 03CW0268 on Horse Creek, 11CW0161 on the Colorado River and 95CW0286 on Red Dirt Creek. This case was resolved with CWCB by a letter agreement, dated August 20, 2023, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates terms and conditions as follows, 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 Nelson Ditch Enlargement and the Willow Creek Ditch No. 4 Enlargement shall be removed as authorized points of diversion for the Subject Water Right.”

4. Case No. 23CW3017 (Water Division 6) - Application of Don Johnson

During the June 2023 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB’s instream flow water rights decreed in Case Nos. 04CW0024 and W-1335 (1977) on Hot Spring Creek, and W-1331(1977) on Elk River. This case was resolved with CWCB by a letter agreement, August 22, 2023, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates terms and conditions as follows, 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.

- Term for 23CW3017 decree:

“The Strawberry Cold Spring pond was decreed in Case No. 11CW45, in which the court granted an exception pursuant to §37-92-102(3)(b), C.R.S. See paragraph 24 of that decree. However, this new augmentation use for the pond is not a use that was existing at the time of the CWCB ISF appropriations, and thus the ISF water rights are not subject to a fill or refill for augmentation use.”
- Paragraph 24 of the 11CW45 decree states, in part:

“24. Pursuant to §37-92-102(3)(b), C.R.S., the Applicant therefore is entitled to a finding and confirmation of the Water Court that the Strawberry Cold Pond and the Routt Hot Springs Regulating Diversion structures and appropriations are not subject to administration when a call is placed for instream flow decrees by the CWCB in Case W-1331-77 or Case W-1335-77 that would otherwise cause these structures to be administered.”



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

Board Meeting: September 20-21, 2023 Board Meeting

Directors Report: Water Project Loans
Interest Rates

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:

- 1.90% - Agricultural
- 2.65% - Low-income Municipal
- 3.05% - Middle-income Municipal
- 3.45% - 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 0.75% 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 20-21, 2023 Board Meeting

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

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					
Northern Colorado Water Conservancy District	Northern Integrated Supply Project	May 1, 2023	South Platte	The District is constructing two new reservoirs (Glade and Galeton), a forebay reservoir, pump plants, delivery pipelines and canal improvements on behalf of the Project's 15 Northern Front Range water providers. This infrastructure will provide participants with 40,000 AF of new water supplies annually.	\$100,000,000
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					\$139,200,000



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
South Platte		
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
Northern Colorado WCD	Windy Gap Firing (increase)	\$54,000,000
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
Switzerland Park HOA	Reservoir Rehabilitation	\$300,000
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	Reservoir Improvements	\$2,000,000
Cottonwood	Reservoir Improvements	\$1,600,000
Arapahoe County W/WW Authority	Reservoir Improvements	TBD
Subtotal		\$2,773,140,000



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
Arkansas		
Town of Manitou Springs	Raw Water Pipeline	\$3,000,000
City of Woodland Park	Storage Project	\$1,000,000
Fort Lyon Canal Company	Adobe Creek Enlargement	\$8,000,000
Deweese Ditch and Reservoir Co. (+)	Reservoir Enlargement	TBD
Holbrook Ditch Company	Reservoir Enlargement	TBD
Lake County	New Reservoir	TBD
Catlin Canal Company	Canal System Improvement	\$1,500,000
Lower Arkansas WCD	New Storage Account	TBD
Donala Water and Sanitation District	Ditch Construction	TBD
Mesa McKenna Mutual Ditch Company	Ditch Piping Project	TBD
Town of Avondale (*)	New Well	TBD
Ordway, Town of	Reservoir Rehabilitation	TBD
Cross Creek Metropolitan District	Hale Reservoir Rehabilitation	\$3,000,000
Fort Lyons Canal Company (+)	Diversion Structure Repair	\$500,000
Aguilar, Town of (‡)	New Augmentation Reservoir	TBD
Huerfano County	Water Rights Purchase	\$1,200,000
Rocky Ford High Line Canal Company	Diversion Structure Repair	TBD
Lincoln Park Crooked Ditch Company	Ditch Rehabilitation	TBD
Huerfano Cucharas Irrigation Company	Reservoir Rehabilitation	\$200,000
Subtotal		\$18,400,000
San Miguel/Juan		
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
Town of Naturita	Water Meters	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
Montezuma Valley Irrigation Company	Ditch Piping Project	\$1,400,000
Subtotal		\$23,400,000
Colorado		
Orchard Mesa Irrigation District	Lateral Piping	\$300,000
Silt Water Conservancy District	Harvey Gap Reservoir	\$300,000
Middle Ditch	Ditch Piping Project	TBD
New Multa Trina Ditch Company (‡)	Ditch Piping Project	TBD
Gunther Covers	Christenson Dam	TBD
Town of Minturn	New Well Field	\$5,220,000
Flannery Water Company, LLC	Reservoir Rehabilitation	TBD
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
Subtotal		\$15,820,000



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
Gunnison		
Duke Ditch Company	Ditch Piping Project	\$400,000
Bostwick Park Water Conservancy District	Dam Construction	TBD
Kendall Reservoir Company	Reservoir Rehabilitation	\$140,000
Orchard City Irrigation District (#)	Fruit Growers Reservoir Rehab	\$240,000
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
Olathe, Town of	Water Meter Replacement	TBD
Lone Cabin Ditch Company	Ditch Rehabilitation	TBD
Otter Pond HOA	Dam Rehabilitation	\$650,000
Project 7 Water Authority	Raw Water Pipeline	TBD
Grand View Canal Irrigation Company	Ditch Piping Project	\$500,000
Subtotal		\$3,280,000
North Platte		
Colorado Parks and Wildlife (*)	North Michigan Creek Reservoir	\$6,000,000
Spicer Ranches, LTD	Reservoir Rehabilitation	TBD
Walden, Town of	New Well	TBD
Subtotal		\$6,000,000
Rio Grande		
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	\$4,000,000
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
Costilla County Conservancy District	Water Rights Purchase	\$300,000
Subtotal		\$24,000,000
Yampa		
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
Subtotal		\$105,600,000





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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 20-21, 2023 Board Meeting

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

The CWCB Loan Program has Substantially Completed (10) projects in Calendar Year 2023 as shown in the Table. There are currently (49) projects authorized to receive loan funding totaling \$351M. There are (42) projects currently under contract and in the Design/Construction phase totaling \$240M. 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. cwc.colorado.gov/loans-grants/water-project-loan-program

	Borrower	Project	County	Loan Amount	Complete
1	Southeastern Co Water Conservancy District	Pueblo Dam Hydroelectric Project	Pueblo	\$17,392,200	1/1/23
2	Arapahoe County Water and Wastewater Authority	Chambers Reservoir Liner Rehabilitation	Arapahoe	\$4,404,000	3/1/23 (a)
3	Logan Irrigation District	Prewitt Reservoir Rehabilitation	Logan	\$1,257,750	3/1/23 (b)
4	North Sterling Irrigation District	North Sterling River Diversion Replacement	Logan	\$3,532,980	3/1/23
5	Morrisania Water Supply Company	Ditch Rehabilitation Project	Garfield	\$101,000	5/1/23
6	South Platte Ditch Company	Diversion Structure Rehabilitation	Washington	\$1,453,779	5/1/23
7	Deuel and Snyder Improvement Company	Diversion Structure Replacement	Morgan	\$638,776	5/1/23
8	Trinchera Conservancy District Groundwater Management	Alpha Hay Farms Augmentation	Conejos	\$2,251,290	6/1/23
9	Spring Dale Ditch Company	Diversion Structure Replacement	Logan	\$1,216,243	6/1/23
10*	Sunnyside Park Ditch Company	Sunnyside Park Ditch Piping	Chaffee	\$510,915	8/1/23
	* included in Director's Report		Total	\$32,394,933	

Calendar Year 2023 has added and preserved 4,700 acre-feet of reservoir storage; (a) 1,400; (b); 3,300





Sunnyside Park Ditch Piping

Sunnyside Park Ditch Company
Substantially Complete August 1, 2023

The newly installed 3,000 feet of pipe will carry irrigation water below grade, reducing the risk that sluffing from the river bank will impede flows.



Project Description

The Sunnyside Park Ditch Company was incorporated in 1884 and provides direct flow irrigation water to 17 shareholders 5 miles northwest of Salida. The water is used year round for stock water, and from April through October for irrigation of about 1,000 acres. The upper portion of the ditch runs along the Arkansas River for approximately 2 miles, and passes by two growing subdivisions south of SH 291.

The project piped approximately 3,000 feet of the ditch where it passes near the two subdivisions. The ditch had failed multiple times in this area prior to the project, and Natural Resource Conservation Service (NRCS) identified it as needing treatment. Piping the ditch in this area eliminated ditch failures and seepage losses, and reduce overall maintenance requirements. The project was primarily funded with NRCS grant funds, a Chaffee County Common Ground grant, Colorado State Conservation Board grant funds, and a WSRF grant approved at the March 2022 CWCB Board Meeting in the amount of \$127,300. The loan covered interim project costs. Construction began in September of 2022 and was completed in the spring of 2023.

P R O J E C T D A T A		
<i>Sponsor:</i> Sunnyside Park Ditch Company	<i>County:</i> Chaffee	<i>Water Source:</i> Arkansas River
<i>Type of Project:</i> Ditch Piping		<i>Board Approval Date:</i> July 2022
<i>Loan Terms: (Original)</i> \$654,480.00 <i>(Final)</i> \$510,915.02 @ 1.00% for 30 years		
<i>Design Engineer:</i> Natural Resources Conservation Service		
<i>Contractor:</i> H&T Construction, LLC.		

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
Amity Mutual Irrigation Company	Queen Reservoir Dam Rehabilitation	Arkansas	CT2021-2224	\$2,626,000	Joshua Godwin	100%	5%	Dam breached. Final design complete and approved by Dam Safety. Board approved increase. Working through contract.
Billings Ditch Company	Billings Ditch Implementation Project	Rio Grande	CT2022-2886	\$171,000	Cole Bedford	100%	98%	This project is being managed by the Rio Grande Headwaters Restoration Foundation to replace the Billings Ditch diversion structure. A water plan grant for the same project was contracted in October 2021. Construction is complete except for final punch list items.
Breckenridge, Town of	Goose Pasture Tarn Dam Rehabilitation	Colorado	CT2023-0673	\$13,000,000	Cole Bedford	100%	75%	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.
Dove Creek, Town of	Reservoir No. 2	Southwest	CT2022-3321	\$800,000	Cole Bedford	80%	0%	This project will support the Town of Dove creek in constructing a new storage reservoir for municipal supply. The Town also received an \$800,000 WPG for the project. Engineering is currently underway.
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 construction costs since the original bid in 2020. Company hopes to start construction in the fall of 2023.
Florida Consolidated Ditch Company	Florida Canal Diversion Replacement	Southwest	CT2021-2890	\$750,000	Matt Stearns	100%	0%	This project is the replacement of a low head dam diversion structure with multibeneficial outcomes. Design work is complete and construction bids were accepted. The Company has secured additional funding to cover the current construction contract and expects construction to start in the Fall of 2023.
Fort Morgan Farms, LLC	Delta Water Storage Phase 1	South Platte	CT2021-2222	\$8,982,000	Cole Bedford	100%	75%	The Delta Storage Project will construct a below grade storage reservoir. The loan covers the cost of constructing a slurry wall around the reservoir to isolate future stored water from existing groundwater. The slurry wall is complete and the next phase of the construction will begin in late summer.
Fort Morgan Reservoir and Irrigation Company	Augmentation Pump Replacement Project	South Platte	CT2023-3300	\$1,753,000	Cole Bedford	100%	98%	Construction is complete on new pumps and new pump house. One final pay request is expected for final punch list items then the loan will be closed out.
Fruitland Irrigation Company	Tunnel and Canal Renovation	Gunnison	CT2019-2848	\$1,729,000	Kirk Russell	100%	35%	Sept 2018 letter from Bureau of Reclamation recvd. Section 1 tunnel work bid pkg Dec2020. Section 2 Tribble - Pipe placement, compaction testing. Section 3&4 Rundle - begin breaking and removal of bedrock. Tribble and Wright placing concrete lining.
Genesee Water and Sanitation District	Genesee Reservoir No. 1 Enlargement	South Platte	CT2021-2851	\$5,500,000	Cole Bedford	100%	70%	The District was approved for this loan in Sep 2020 and a Water Plan Grant followed in March 2021. Bids were received in June 2021 and were well above expectations. A loan increase request was approved at the September 2022 Board meeting. Construction is now under way.
Glenwood Springs, City of	System Redundancy and Pre-Treatment Improvements	Colorado	CT2021-3104	\$8,000,000	Cole Bedford	100%	98%	This Wildfire Emergency Loan will improve the infrastructure for Glenwood Springs' water collection system to cope with increased sediment in their source waters as a result of the Grizzly Creek Fire in 2020. Construction on all portions of the project are complete. The loan will be closed out in June 2024.
Grand Junction, City of	Carson Reservoir Dam Rehabilitation	Gunnison	CT2021-3110	\$4,300,000	Joshua Godwin	100%	95%	Preliminary dam safety close out inspection complete 10/19/22. ESCO (contractor) demobilized. Grand Junction installing hydraulic gate. Fill test to begin in Aug and expected to take 2 months.
Grand Junction, City of	Kannah Creek Flowline Replacement	Gunnison	CT2023-0568	\$3,200,000	Joshua Godwin	90%	0%	Contractor selected. NTP expected Aug and construction soon thereafter.
Grand Junction, City of	Purdy Mesa Flowline Replacement	Gunnison	CT2021-2857	\$7,000,000	Joshua Godwin	70%	0%	Construction will be split between Grand Junction's team for the more moderate section and the contractor for the other portions. RFP expected to be sent out in Sept. May redesign to avoid need for tank.
Grand View Irrigation Company	Siphon Repair Project	Arkansas	CT2023-2058	\$350,000	Joshua Godwin	100%	95%	Project is nearly complete with minor project close-out items remaining.
Groundwater Management Subdistrict of CCWCD	Hokestra Reservoir Purchase	South Platte	CT2020-2248	\$5,390,500	Cole Bedford	100%	75%	This Project will purchase an existing reservoir for use as augmentation storage. Funds have been disbursed for the reservoir purchase, but construction is ongoing.
Groundwater Management Subdistrict of CCWCD	Pioneer Reservoir	South Platte	CT2019-3687	\$8,611,000	Cole Bedford	75%	75%	This is a gravel pit retrofit for augmentation water supply. Funds for the initial reservoir purchase and some engineering were disbursed in May 2019. Construction efforts began in Fall 2022.
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. Precon Dec2019. Construction begin Feb 2020. EMD connect 7/2020. Construction complete, final walkthru Aug2020. Working on IGA with EMD. Continued water court proceedings by EMD.

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
Keensburg, Town of	Alluvial Water Rights Extension Project	South Platte	CT2024-2007	\$2,100,000	Joshua Godwin	0%	0%	
Lookout Mountain Water District	Upper and Lower Beaver Brook Dam Rehabilitation	South Platte	CT2021-3115	\$3,500,000	Joshua Godwin	100%	75%	Mobilize Memorial Day weekend to begin work out outlet works. Outlet works constructed in Aug. Substantial completion anticipated before end of 2023.
North Poudre Irrigation Company	Park Creek Expansion Project	South Platte	CT2023-2593	\$6,480,000	Cole Bedford	60%	5%	Project is currently in the design phase for a dam height increase which will increase reservoir storage space. Some clearing took place over the winter as well as stockpiling material.
Ogilvy Irrigating and Land Company	Seely Reservoir Dredging	South Platte	CT2019-2099	\$2,252,000	Joshua Godwin	85%	0%	OILC is obtaining county permits to cross county road with haul trucks. They plan to construct in the fall/winter 2023.
Orphan Wells of Wiggins	Kiowa Creek Dam Rehabilitation	South Platte	CT2021-3116	\$373,000	Cole Bedford	100%	85%	This project will repair five non-jurisdictional dams operated by Orphan Wells of Wiggins for augmentation purposes. Mobilization took place in January 2021. Dam work complete Spring 2021. Loan increase request (May 2021) for well power supply conversion.
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.
Rio Grande Water Conservation District Subdistrict No. 5	Saguache Pipeline	Rio Grande	CT2021-3846	\$6,020,000	Cole Bedford	100%	50%	Working on well owner agreement and Project easement agreements. Loan increase request in January 2023. Bidding is complete and work is underway.
Root and Ratliff Ditch Company	Ditch Piping and Rehabilitation	Southwest	CT2022-2976	\$300,000	Kirk Russell	100%	99%	Project is nearly complete. All pipe is in place. Final grading and seeding is done. SC expected in summer 2023
Smith and Emmons Ditch Company	Diversion Structures Replacement Project	South Platte	CT2023-2473	\$410,000	Cole Bedford	100%	10%	Contractor has been selected and preliminary materials purchased. Construction will take place after the 2023 irrigation season.
Special Improvement District No. 3 of the RGWCD	Alpha Hay Farms Augmentation	Rio Grande	CT2023-2843	\$2,555,000	Cole Bedford	100%	0%	Pay Requests for the initial land purchase was approved at the end of April. Construction work that will be ongoing into 2024.
Special Improvement District No. 4 of the Rio Grande WCD	Peachwood Farms Augmentation & Sustainability	Rio Grande	CT2023-3361	\$3,456,000	Cole Bedford	100%	50%	Contract is complete and ready to disburse funds. The first pay request for land purchase is expected in spring 2023 after which some construction work will take place.
Trinchera Conservancy District Groundwater Management Subdistrict	Augmentation Pipeline	Rio Grande	CT2022-3040	\$977,000	Kirk Russell	100%	99%	Project is complete. Substantial completion expected in mid 2023.
Triview Metropolitan District	Stonewall Springs Reservoir Complex	Arkansas	CT2022-3328	\$4,731,000	Kirk Russell	100%	75%	Reservoir under construction and working on pumphouse.
Tunnel Water Company	West Half Laramie-Poudre Tunnel Rehabilitation	North Platte/South Platte	CT2019-3706	\$17,830,000	Kirk Russell	100%	98%	Construction was completed in spring of 2022 after delays due to Cameron Peak wildfire. After the '22 irrigation season a warranty inspection found and a large portion of the tunnel lining caved in. This repair was made in the winter of 22/23.
Tunnel Water Company	Headgate Improvements (Wildfire Impact)	North Platte/South Platte	CT2021-3928	\$1,206,000	Kirk Russell	100%	99%	Power supply installation complete. Duperon gate delivery at site. Headgate installation underway. Construction complete.
Twin Lakes Reservoir and Canal Company	Grizzly Reservoir Rehabilitation	Colorado	CT2024-2006	\$9,833,000	Joshua Godwin	0%	0%	Construction delayed until summer of 2024
Uncompahgre Valley Water Users Association	Taylor Park Hydro Powerplant Project	Gunnison	CT2023-2565	\$1,685,000	Cole Bedford	100%	30%	Preliminary materials purchase and design work is complete. A contractor has been selected.
Victor, City of	Victor Reservoir No. 2 Dam Rehabilitation	Arkansas	CT2021-3873	\$510,000	Kirk Russell	100%	0%	Construction delay until May 2024 due to supply delivery schedules. Town removed portion of outlet tower and DWR/Dam Safety issued a fill restriction.
Wiggins, Town of	Wiggins Recharge Facility at Glassey Farms	South Platte	CT2018-0892	\$2,385,000	Cole Bedford	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.
Windy Gap Farming Project Water Activity Enterprise	Windy Gap Project (Chimney Hollow Reservoir)	South Platte	CT2021-2039	\$89,108,911	Cole Bedford	100%	30%	Construction contract was awarded in December and allotment contracts among project participants are being drafted. Contractor was selected in October. Project loan conditions were amended at the March Board Meeting. The project is well underway, but has not drawn on the loan yet.

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
Grand Valley Water Users Association	Vinelands Power Plant	Colorado	CT2022-2084	\$1,066,000	Matt Stearns	100%	99%	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 March 2024 via a permanent interconnect.
Orchard Mesa Irrigation District			CT2022-0892	\$1,066,000				
Cottonwood Water and Sanitation District	WISE - Phase 2 Infrastructure	South Platte	CT2015-0105	\$1,674,000	Cole Bedford	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, Glacier starting to form rebar for the flow control building, start laying pipe. Precast concrete walls for pump station complete.
Inverness Water and Sanitation District			CT2015-0119	\$2,105,000				
Pinery (Denver SE Water and Sanitation District)			CT2015-0086	\$1,413,130				
Cottonwood Water and Sanitation District	WISE - Denver International Airport Connection	South Platte	CT2015-0104	\$363,600	Cole Bedford	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.
Inverness Water and Sanitation District			CT2015-0120	\$450,000				
Parker Water and Sanitation District			CT2015-0110	\$1,089,000				

TOTAL UNDER CONTRACT \$240,169,141

APPROVED PROJECTS, NOT CONTRACTED

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
Southeastern Colorado Water Conservancy District	Arkansas Valley Conduit	Arkansas	CT2023-XXXX	\$90,000,000	Kirk Russell	0%	0%	Federal Funding will control the scheduled use of these funds
Logan Irrigation District	Prewitt Reservoir Rehabilitation	South Platte	CT2023-XXXX	\$1,831,000	Cole Bedford	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 go forward in the fall of 2023.
Ogilvy Augmentation Company	Loloff Reservoir Acquisition	South Platte	CT2023-XXXX	\$1,129,000	Joshua Godwin	0%	0%	Greeley stock shares in treasury, JG - working on valuation of property
Platte Valley Irrigation Company	Platte Valley Reservoir No. 1	South Platte	CT2023-XXXX	\$4,500,000	Joshua Godwin	0%	0%	
Colorado City Metropolitan District	Lake Beckwith Dam Modifications	Arkansas	CT2023-XXXX	\$3,333,000	Joshua Godwin	0%	0%	
Board of Water Works of Pueblo	Southside Diversion Dam Improvement Project	Arkansas	CT2023-XXXX	\$9,750,000	Cole Bedford	100%	0%	Construction is expected to take place in fall 2023. Design work is complete.
Crawford Clipper Ditch Company	Crawford Clipper Ditch Improvements	Gunnison	CT2023-XXXX	\$750,000	Joshua Godwin			

NOT UNDER CONTRACT SUB \$111,293,000

GRAND TOTAL \$351,462,141

**WATER PROJECT CONSTRUCTION LOAN PROGRAM
LOAN REPAYMENT DELINQUENCY REPORT
LOAN FINANCIAL ACTIVITY REPORT
September 2023**

LOAN REPAYMENT DELINQUENCY

Loan repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2023 through September 2023 to date. 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 2024 total 302. Two Rivers is currently delinquent. All other payments are current.

LOAN FINANCIAL ACTIVITY

Loan financial activity relative to the Water Project Construction Loan Program for Fiscal Year 2024 is summarized as follows:

Funds received relative to loans in repayment totaled \$3.8M for this year.

Funds disbursed relative to new project loans totaled \$.5M for this year.

Net activity resulted in \$3.3M received by the CWCB Construction Fund and the Severance Tax Perpetual Base Fund (STPBF) over the total disbursed.

Further breakdown is summarized as follows:

The Construction Fund portion consists of \$1.3M in receipts and \$.4M in disbursements for a total net activity of \$.9M received over disbursed.

The STPBF consists of \$2.5M in receipts and \$.1M in disbursements for a total net activity of \$2.4M received over disbursed.

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2023	\$ 465,287	\$ 266,231	\$ 731,518	\$ -	\$ 731,518
August 2023	\$ 334,830	\$ 245,660	\$ 580,490	\$ 424,515	\$ 155,975
September 2023			\$ -		\$ -
October 2023			\$ -		\$ -
November 2023			\$ -		\$ -
December 2023			\$ -		\$ -
January 2024			\$ -		\$ -
February 2024			\$ -		\$ -
March 2024			\$ -		\$ -
April 2024			\$ -		\$ -
May 2024			\$ -		\$ -
June 2024			\$ -		\$ -
FY 2023 Totals	\$ 800,117	\$ 511,891	\$ 1,312,008	\$ 424,515	\$ 887,493

SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2023	\$ 129,659	\$ 85,540	\$ 215,199	\$ 2,000	\$ 213,199
August 2023	\$ 1,272,582	\$ 1,008,689	\$ 2,281,271	\$ 115,042	\$ 2,166,229
September 2023			\$ -		\$ -
October 2023			\$ -		\$ -
November 2023			\$ -		\$ -
December 2023			\$ -		\$ -
January 2024			\$ -		\$ -
February 2024			\$ -		\$ -
March 2024			\$ -		\$ -
April 2024			\$ -		\$ -
May 2024			\$ -		\$ -
June 2024			\$ -		\$ -
FY 2023 Totals	\$ 1,402,242	\$ 1,094,229	\$ 2,496,470	\$ 117,042	\$ 2,379,428

GRAND TOTAL	\$ 2,202,358	\$ 1,606,120	\$ 3,808,478	\$ 541,557	\$ 3,266,922
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Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2022-2023							
Project Name	7/1/22 Beginning	Contracted FY23	Disbursed FY23	06/30/23 Available	Statute Projects Bill Authorization	Project Manager Status Update	Project Manager
Acquisitions-Wtr for Instream Flow	\$1,000,000	\$132,055	\$500,205	\$367,740	37-60-123.7 set annual authorization at \$1M	Funding of \$141,452 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. Funding in the amount of \$222,753 was contracted to the Colorado River Water Conservation District to lease water for winter releases from Ruedi Reservoir to the Fryingpan River. The objective of the lease was to maintain Fryingpan River flows at a rate of 70 cfs to prevent the formation of anchor ice at times when temperatures and low flows could otherwise combine to create anchor ice during the time period of January 1 – March 31. Funding was provided to the Ute Water Conservancy District in the amount of \$120,000 and to Garfield County in the amount of \$16,065 to supplement existing ISF water rights to preserve and improve the natural environment of the 15-Mile Reach of the Colorado River, benefitting endangered fish habitat in that reach.	Rob Viehl
ISF Engineering Support Services	\$283,629	\$3,564	\$24,113	\$255,952	SB05-084 HB10-1250 SB19-221 section 5 added \$250K	Funding of \$24,113 was provided to SGM Engineering in FY22-23 for the creation of a development allowance on a recommended ISF reach on Deep Creek which is tributary to the Colorado River.	Rob Viehl
Satellite Monitoring	\$401,217	\$0	\$401,168	\$49	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	In FY22-23 DWR used this fund to make improvements to existing gages and plan for intallation of new gages. Funds were used 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 in anticipation of additonal staff to suport future Colorado River admnistration needs. Just over \$50,000 was spent for the ongoing Arkansas lysimeter research project.	Brandy Logan
Stream Gauge Fund	\$295,820	\$48,755	\$67,139	\$179,927	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
Colorado Mesonet	\$186,788	\$58,817	\$107,556	\$20,414	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	Funding support for the Colorado Agricultural Meteorological Network, also known as Colorado’s Mesonet, has supported continued advances in the collection, analysis, and dissemination of critical weather and water data in Colorado. Progress has moved forward on the installation of 10-meter towers, which take wind measurements at the standard meteorological height as well as at the current height that is needed for agricultural purposes; and all-weather precipitation gauges that can measure frozen precipitation in addition to rain. This allows for a more complete accounting of precipitation, whereas in the past the precipitation data have only been useful from April through October. One of these upgraded stations has now been installed (at the ARDEC facility north of Fort Collins), and others will be installed at CSU research stations prior to the end of the current project. Key advances have been made toward the other tasks as well. Peter Goble led an analysis of “evapotranspiration events” in Colorado using CoAgMET data, calculating the contribution of these periods of extremely high evaporative demand to the overall water balance. These results were presented at the CSU Ag Experiment Station Conference in 2023. A prototype for a new CoAgMET website has been developed, and is expected to be fully deployed soon. This has been a step forward from the current website. CCC staff partnered with CSU Extension and others in the Drought Advisors program to develop a handbook of best practices, that includes information about Colorado weather and climate, and CoAgMET specifically. The CCC also disseminated information about CoAgMET/Colorado’s Mesonet at a wide range of meetings, including Colorado Water Congress, Northern Water’s users meeting, and more; and the CCC organized an inaugural Climate Services Summit in August 2023 that featured CoAgMET as well as other CCC activities to a diverse range of stakeholders. The last year was also one of transition for CoAgMET. Lane Simmons started as the new CoAgMET manager in May 2023. Lane has long been a part of the network, having led maintenance for the stations in the Arkansas Valley for over a decade, and he has new ideas and plans for enhancing the network in future years.	Ben Wade

Co Floodplain Map Modernization	\$1,257,509	\$428,240	\$546,129	\$283,141	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	Provided funding for additional detailed flood hazard information requested by communities in several counties across the state with on-going Flood Risk Projects. Funded flood mapping revisions to cover data gaps for legacy CHAMP projects and on-going Flood Risk Projects. Partnered with communities to leverage local flood hazard data and products for flood risk projects. Provided funding to ensure best available data being used for evaluating community development and compatible with ongoing flood risk project information.	Terri Fead
Fish and Wildlife Resources Fund	\$514,184	\$0	\$0	\$514,184	SB19-207 (Long bill funding not included)	No projects funded through the FWRF in FY 22	Chris Sturm
Flood and Drought Response Fund	\$699,778	\$130,891	\$275,074	\$293,813	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 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 22	Chris Sturm
Water Forecasting Partnership	\$608,658	\$90,000	\$518,306	\$352	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	CWCB partially funded ASO flights in seven basins in FY22/23. \$1.9M in matching funds were leveraged for the flights. CWCB also partnered with Upper Gunnison Water Conservancy District to fund statewide WRF-Hydro Modeling.	Andrew Rickert, Erik Skeie
Watershed Restoration	\$5,035,354	\$2,880,685	\$1,663,461	\$491,207	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. These include Stream Management Planning for West Plum Creek, Animas River, Mancos River, Grand County, and the Purgatoire River. Other grant projects funded include Wetland Mapping (statewide), Upper Arkansas Basin watershed health improvement projects, Boulder creek watershed health planning, Fluvial Hazard Zone mapping in the Grand Valley, Big Cottonwood Creek (Ark Basin) restoration, Roaring Fork River restoration, Invasive phreatophyte control (Curcharas River, Dolores River, and High Line Canal in Denver), St. Vrain watershed resiliency planning, and Rio Grande restoration in Alamosa. Task Orders were also issued to technical consultants to support fire recovery, project design review, and project monitoring.	Chris Sturm
Weather Modification Program	\$1,089,231	\$106,983	\$814,620	\$167,628	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	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 for countywide LiDAR acquisition in near future to support Floodplain Map Modernization Program	Terri Fead
Acquisition of Lidar Data 37-60-121	\$87,452	\$72,736	\$9,245	\$5,471	37-60-121 HB20-1403 adds \$200,000 on 7/1/20	Funding contributing to tasks needed for Flood Mapping Projects completion	Terri Fead
Water Loss Control Initiative	\$707,059	\$440,626	\$266,393	\$40	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. A number of workshops have been conducted with water providers across the state. Consultant team is working one-on-one with participants on their water loss audits. Direct technical assistance is beginning for prioritized projects identified during provider consultation. I have disbursed \$292,994.90 from the HB20-1403 funds.	Kevin Reidy
Water Planning Studies	\$107,273	\$0	\$0	\$107,273	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	\$605,655	\$51,943	\$116,478	\$437,234	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	\$1,288,077	\$836,532	\$158,831	\$292,714	SB07-122 HB17-1248 HB20-1403 adds \$750K on 7/1/20	In FY23 CWCB funded an ATM project that expands on an existing ATM project in the Gunnison Basin to put infrastructure in place to facilitate a split season ATM that shares water between a working ranch and the Little Cimaron River.	Nora Flynn
Bear Creek Reservoir Reallocation	\$1,957,856	\$1,012,315	\$37,219	\$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 Brown and Caldwell to assist the Army Corps of Engineers in their storage yield analysis.	Erik Skeie
Co Decision Support Systems O & M	\$487,130	\$11,419	\$25,711	\$450,000	SB13-181 HB14-1333, HB17-1248 HB20-1403 adds \$500,000 on 7/1/20	OpenCDSS O&M is being conducted through 12/31/23. A list of future needs is now being compiled and an RFP will be created soliciting a contractor for those needs.	Brian Macpherson
Co Water Needs & Alternatives	\$960,054	\$0	\$0	\$960,054	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 2023.	Brian Macpherson
Litigation Fund	\$2,000,000	\$51,772	\$983,297	\$964,931	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	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 System Conservation Pilot Program, 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 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 2023.	Brian Macpherson
USDA Regional Con Partnership	\$25,966	\$25,351	\$0	\$615	SB15-253	Funding to date has been awarded to support ongoing implementation salinity and selenium reductions through irrigation efficiency projects in the Gunnison and Southwest Basins.	Nora Flynn
Water Resource Info Center	\$230,696	\$67,950	\$22,867	\$139,879	SB09-125	Phase II of the Grant Portal is complete, as well as initial work on the Turf Replacement Program application. Additional work on the HB1051 portion of the portal was completed as well. Multiple grant applications are currently available through the Portal. Additional work on the Turf Program, as well as some updates and HB-1051 data imports are planned for FY24.	Carolyn Kemp
Wild and Scenic Rivers Fund	\$522,735	\$177,877	\$102,183	\$242,675	37-60-122.3 restore unnumbered 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	\$1,274,446	\$219,816	\$174,038	\$880,592	SB07-122 HB11-1274 SB13-181 HB14-1333 SB15-253 SB18-218 HB20-1403 HB22-1316 added \$500,000 7/1/22	Phase I of ArkDSS was broken into 3 sections: GIS, Admin Tools, and Modeling. The GIS and Admin Tools components are complete. The modeling component has gone through a contract extension which gives the project until 12/31/23. Phase II of ArkDSS is underway which includes the Arkansas River Colors of Water and Forecasting Tool project. This project is leveraging USBR WaterSMART grant funding and is slated to expire on 12/31/23. An RFP will be issued in the coming year for Groundwater tasks.	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 spouth metro Denver area involving strong cooperation between 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.	\$23,048,713	\$654,192	\$364,151	\$22,030,370	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
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	\$30,431	\$338	\$30,093	\$0	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	\$2,200,000	\$1,582,910	\$617,090	\$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 has now been secured and a groundbreaking for the project was conducted on August 23, 2022. The construction phase will be ongoing for at least two years and it is expected that a significant portion of this funding will be disbursed during the next fiscal year.	Cole Bedford
Republican River Matters	\$3,610,060	\$3,041,838	\$568,222	\$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 Republicn 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	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 the Consruciton Fund when collected from the dam owner.	Kirk Russell
Rio Grande Cooperative	\$85,668	\$0	\$0	\$85,668	SB12S-002 HB17-1248 section 13 until project complete	Seven contracts worth \$15M have been executed towards this effort that includes project design, project management, federal land exchange, and construction. To-date, the San Luis Valley Irrigation District (District) has completed the: clay liner project, final design of the outlet works, the federal land exchange, access road construction. The District is under contract with Moltz Civil, LLC for the construction of the rehabilitated outlet structure. The Project is expected to be complete in 2020. Funding includes a \$15 million loan to the District. Project is approximately 95% complete.	Kirk Russell
Colorado River Decision Support	\$614,418	\$0	\$605,274	\$9,144	SB07-122 HB08-1346 LONGBILL BOOKING BOTTOM LINE FUNDED - does not roll to next year	See Co Decision Support Systems O & M	Brian Macpherson
Underground Storage Pilot Project	\$88,642	\$80,725	\$7,917	\$0	SB16-174 Section 8	No updates for FY22/23.	Erik Skeie
Technical Assistance Federal Irrigation Improvements	\$624,980	\$285,053	\$135,016	\$204,911	HB 17-1248 SB 18-218 SB21-189 added \$300,000 on 7/1/21 HB22-1316 added \$300,000 7/1/22	In FY23 TAFC funds were approved for several project doing pre-application development work for NRCS Watershed Protection and Flood Prevention pogram including Boulder County Conservation District (Leggett Ditch), Colorado Ag Water Alliance (North Fork of the Gunnison pre-development work), White River Conservation District (infrastructure modernization). TAFC funding was also approve for Delta Country Conservation District to assist with an application fro BOR Salinity Funding; to Western Water Partnerships to work on an innovative water sharing agreement in the South Platte Basin and pursure NRCS funding; and to Ducks Unlimited for watershed restoration and planning San Luis valley and pursue BOR WaterSmart Funding.	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

Reservoir Enlargement Project	\$250,000	\$19,623	\$230,377	\$0	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	\$3,800,000	\$3,800,000	\$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	\$1,988,600	\$300,000	\$63,105	\$1,625,495	HB22-1151 added \$1,988,600 to CWCB (\$11,400 to OIT) 6/30/2025	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 resulted in 38 eligible entities being approved, and contracting is ongoing. As the last funding cycle closes on August 31st, we expect to earmark all funding for allocation by the end of 2023, and any remaining funds will go to an additional phase of the Transformative Landscape Change Challenge that identifies site-specific areas for removal and replacement.	Jenna Battson
Water Education Colorado (WEco) Annual Allocation	\$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.	Elizabeth Schoder
Totals	\$65,172,504	\$16,613,007	\$9,585,277	\$38,974,219			