



# **COLORADO WATER CONSERVATION BOARD**

## **DIRECTOR'S REPORT**

**November 2015**

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: James Eklund  
Erik Skeie

DATE: November 18-19, 2015

SUBJECT: Agenda Item 5d, November 2015 CWCB Board Meeting Director's Report

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~INTERSTATE AND FEDERAL~

**U.S.-MEXICO, MINUTE 319 IMPLEMENTATION AND FUTURE NEGOTIATIONS—** The United States, Mexico, and the Colorado River basin states continue to meet often to further the implementation of Minute 319 activities, and to explore the possibility of agreeing to another Minute in the future. On November 5, the Environmental Workgroup will tour the Colorado River basin in Mexico to better understand the restoration efforts. The Staff will update the Board at the November Board meeting, and as these conversations develop. (*Ted Kowalski*)

**GLEN CANYON DAM ADAPTIVE MANAGEMENT WORK GROUP (AMWG) AND TECHNICAL WORK GROUP (TWG) MEETINGS—** The Glen Canyon Dam TWG held its annual fall meeting on October 20-21, 2015 in Phoenix, Arizona. At that meeting, the TWG received briefings on the budget and the decision not to conduct a High Flow Experiment (HFE) based on the possible effect that an HFE could have on other key resources. In addition, the Bureau of Reclamation (BOR) and the National Park Service (NPS) provided updates about the Draft EIS (DEIS) for the Long Term Experimental and Management Plan (LTEMP). They indicated that they are hopeful to release a public DEIS for the LTEMP by the end of this calendar year. The next TWG meeting, in conjunction with the annual reporting meeting, is currently scheduled for January 26-28. (*Ted Kowalski*)

**UPPER COLORADO RIVER COMMISSION (UCRC) ANNUAL WINTER MEETING—** The UCRC will meet on December 16, 2015, in Las Vegas, Nevada, in conjunction with the Annual Meeting of the Colorado River Water Users Association (CRWUA). The UCRC agenda is not yet available, but the CRWUA agenda can be found at the following link: <http://www.cvent.com/events/2015-crwua-annual-conference/agenda-5e62ec46e5a84c6b8c6ec977d62ae068.aspx>  
(*Ted Kowalski*)

**COLORADO MESA UNIVERSITY UPPER COLORADO RIVER BASIN WATER FORUM—** On October 28-29, 2015, Mesa University held its annual fall water forum on the Upper Colorado River Basin. The Program included important topics related to climate change, water management, agricultural adaption strategies, and interstate issues. Staff attended the event and presented on different topics. The conference was informative and well attended. (*Ted Kowalski*)

**U.S. FISH AND WILDLIFE SERVICE PROPOSES TO LIST LOWER COLORADO RIVER BASIN POPULATION OF ROUNDTAIL CHUB AS THREATENED UNDER ESA -** On October 7, 2015, the U.S. Fish and Wildlife Service (USFWS) published its proposal to list two minnows, the headwater chub and a distinct population segment (DPS) of the roundtail chub in the Lower Colorado River Basin (Arizona and New Mexico), as threatened species under the Endangered Species Act (ESA). According to the USFWS, threats to these species primarily consist of predation by non-native fishes, and habitat destruction due to dewatering, impoundment construction and channelization, as well as the effects of mining, livestock overgrazing, roads, water pollution, urban and suburban development, groundwater pumping and climate change. The roundtail chub was historically considered common in deep pools and eddies of large streams throughout its range in the Upper and Lower Colorado River basins in Wyoming, Utah, Colorado, New Mexico and Arizona. Today, the roundtail chub occupies about 52 percent of its historical range in the Lower Colorado River Basin and is limited to Arizona's Little Colorado, Bill Williams, Salt, San Carlos and Verde River drainages, Eagle and Aravaipa creeks, and New Mexico's upper Gila River. The Lower Colorado River Basin roundtail chub DPS has been a candidate for listing under the ESA since 1985. In 2009, the USFWS published a finding on a petition to list a DPS of roundtail chub and found that the population segment qualifies as a DPS, and concluded that listing of the Lower

Colorado River Basin DPS of the roundtail chub was warranted but precluded due to higher priority listing actions at the time. In 2010, the U.S. District Court for the District of Columbia approved as settlement of multiple legal challenges a work plan under which the USFWS will systematically, over a period of six years, review and address the needs of more than 250 candidate species to determine whether they should be added to the federal list of endangered and threatened species. Under that work plan, the USFWS was required to make listing decisions for the two chubs by September 30, 2015. The listing proposal does not include roundtail chub populations in the Upper Colorado River Basin, such as those that occur in the San Miguel and Dolores Rivers. More information on the USFWS proposal is located at: <http://www.fws.gov/southwest/es/arizona/Roundtail.htm> (*Linda Bassi*)

~STATEWIDE~

**DNR, CWCB AND USFS FINALIZE MEMORANDUM OF UNDERSTANDING—** On October 8, 2015, the U.S. Forest Service (USFS), Colorado Department of Natural Resources (DNR), and the CWCB finalized their renewed Memorandum of Understanding (MOU) that addresses cooperation on issues involving water management and water uses on National Forest System (NFS) lands in Colorado. The parties entered into their first MOU in 2004, renewed and updated the MOU in 2009, and extended the MOU for one year in 2014. Updates to the MOU include commitments to meet at least annually to share information and data to further the understanding of water needs on NFS lands, and to continue to work together during Forest Plan revision and implementation to identify and address in advance issues that could be significant factors in the authorization and management of water supply facilities on NFS lands. A copy of the MOU can be found as General Attachment 03. (*Linda Bassi*)

**GROUND WATER COMMISSION MEETING—** The Ground Water Commission (GWC) did not hold a meeting since the last CWCB meeting. For more information visit: <http://water.state.co.us/groundwater/CGWC/Pages/default.aspx>. (*Suzanne Sellers*)

**HB 13-1248 UPDATE—** During the September 2015 CWCB meeting, staff provided an informational presentation regarding criteria and guidelines for Colorado's fallowing-leasing pilot program (Program). The original authorizing language for the Program was contained in HB 13-1248, with more recent legislative changes contained in SB 15-198. Proposed revisions to the previously adopted criteria and guidelines (approved by the Board in November 2013) are needed, and will be based on legislative requirements as well as specific changes suggested by the criteria and guidelines technical committee. The committee's focus was largely on adjustments needed as a result of real-world application of the technical criteria and the Lease-Fallowing Water Accounting Tool (LFT) to the Catlin Canal Pilot Project. As a reminder, the first-ever pilot project of this nature was sponsored by the Lower Arkansas Valley Water Conservancy District and Super Ditch, which has been operating successfully during the 2015 irrigation season. The on-going work by Kevin Rein (DWR) and the technical committee, related to this subject, is greatly appreciated. While all of the suggested changes are not necessarily based on full consensus of the Technical Committee, staff will post its recommended version of the revised criteria and guidelines on the CWCB website for a 60-day public comment period. Staff plans to include an agenda item during the January 2016 CWCB meeting for discussion, public input, and Board action. (*Tom Browning*)

## ~ARKANSAS RIVER BASIN~

**ARKANSAS RIVER COMPACT ADMINISTRATION—** The 2015 Annual Meeting of ARCA will be held in Garden City, Kansas on Dec. 9-10. Director Eklund and two appointed members, Lane Malone and Scott Brazil will represent Colorado. A principle focus of the meeting will be joint efforts with CPW to secure approval of additional water supplies for the John Martin Reservoir permanent fish pool. We will also be introducing a proposed Colorado engineering study to support the creation of a new storage account at John Martin for the benefit of well augmentation groups and compliance with the Division 2 irrigation improvement rules. (*Steve Miller*)

## ~COLORADO RIVER BASIN~

**COLORADO RIVER WATER USE—** As of October 19, 2015, the Lake Mead water level was at 1078.67 feet with 9.901 million acre-feet (MAF) of storage, or 38% of capacity, while the Lake Powell water level was at 3605.87 feet with 12.319 MAF of storage, or 51% of capacity. Total system active storage as of October 19 was 30.177 MAF, or 51% of capacity, which is 121,000 AF more than one year ago. As of October 15, 2015, the unregulated inflow into Lake Powell for Water Year 2015 has been 10.174 MAF, which is 94% of average.

**2015 Water Use Forecast:** As of October 19, the 2015 Reclamation forecast for the Lower Basin states' consumptive use of Colorado River water is 7.197 MAF, which includes Arizona at 2.608 MAF, California at 4.351 MAF, and Nevada at 0.238 MAF. The forecast for 2015 for California's agricultural consumptive use of Colorado River water is 3.242 MAF. The Metropolitan Water District of Southern California's forecast for 2015 use is 0.970 MAF. (*Andy Moore*)

**UPPER COLORADO RIVER WILD AND SCENIC STAKEHOLDER GROUP—** The provisional period of the Stakeholder Group Plan will begin on December 19, 2015. The Stakeholder Group held its regular meeting on October 30, 2015 in Glenwood, CO. The Stakeholder Group meeting included discussions on planning the first Governance Committee meeting to be held on January 12, 2016 in Summit County. The first provisional period annual meeting for all stakeholders will be held in March 2016. The recent meeting included discussions on the provisional period task list, provisional period work group roles and organization, operation of the governance committee, governance committee leadership roles, finances, and updates by the various workgroups and interest groups as well as from the BLM and Forest Service. Additional information on the UCRW&S Group can be found at <http://www.upcowildandscenic.com>. (*Suzanne Sellers*)

**COLORADO RIVER BASIN SALINITY CONTROL PROGRAM—**The CRBSCP Forum and Advisory Council Fall 2105 meetings were held in Tucson, AZ on October 28-29. Pat Pfaltzgraff, Director of the Water Quality Control Division [WQCD- CDPHE], and David Robbins represented Colorado. Steve Miller and Dave Kanzer [CRWCD] participated as a member of the Forum's Work Group. Discussions included the following items:

- The pending award of 8-9 new USBR irrigation improvement projects to Colorado water users as a result of the 2015 Funding Opportunity Announcement [FOA] with a potential value of approximately \$20 million. The CWCB's construction fund program provided small [\$2500 - \$10,000] technical assistance grants to approximately 20 applicants, greatly improving their chances of successfully competing in the FOA. Several of the awarded projects will also be utilizing partial funding available through the CRWCD's RCPP grant which made them more competitive under USBR's evaluation factors.

- The Forum instructed the Work Group to begin the process of conducting the 2017 review of the water quality standards for salinity in the Colorado River Basin.
- The Colorado Dept. of Agriculture and CWCB will take the lead in working with Utah officials on updating program delivery options and funding through the Basin States Program.
- There continues to be an issue with insufficient funds in the salinity control account of the Lower Basin Development Fund, which provides 85% of the mandatory cost-share to the program. This in turns limits the amount of federal funds that can be requested and the overall size of the program. The seven Basin States are working together to find means of augmenting the fund and revising the cost-share allocation between the Upper and Lower Basin funds.
- The 2016 Spring Forum and Advisory Council meetings will be hosted by the CWCB in Keystone, Colorado on June 8 - 9. In addition the Work Group will meet in February and April of 2016. *(Steve Miller)*

#### ~PLATTE RIVER BASIN~

**PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM—** The Platte River Recovery Implementation Program (PRRIP) Governance Committee (GC) held its regular meeting on September 8-9, 2015 in Kearney, NE. Agenda items included regular committee meeting and budget updates and an update of the J2 Reservoir Project. The GC received a presentation on the Platte Basin Timelapse (PBT) Project and discussed the 2014 State of the Platte Report. The GC supported moving ahead with Structured Decision Making (SDM) as a tool to facilitate the “adjust” phase of adaptive management related to the conclusion that Short Duration High Flows (SDHFs) will not produce suitable nesting sandbars. During Executive Session, the GC was briefed on the revised cost of the J-2 Reregulating Reservoir project. The original cost estimate was \$63M and the revised estimate is now \$170M, not including of land acquisition. The GC authorized the Executive Director’s Office to work with project partners on pursuing the J-2 project within original budget. In parallel, the Program is evaluating and implementing several other Water Action Plan projects to ensure the Program meets its First Increment water management objective. The GC approved the following items during the meeting: the scope of work and recommended peer review panel members for the Forage Fish Synthesis Document peer review, CNPPID Irrigator Water Leasing Agreement, and the 2015-2019 Whooping Crane Monitoring Contract. CWCB staff also participated in Technical Advisory Committee (TAC), Water Advisory Committee (WAC), Independent Science Advisory Committee (ISAC), and Finance Committee (FC) meetings. The next regular GC meeting will be held on December 1, 2015 in Denver, CO. For more information, please visit: <http://www.platteriverprogram.org/Pages/default.aspx>. *(Suzanne Sellers)*

#### ~SAN JUAN/SAN MIGUEL-DOLORES RIVER BASIN~

**LOWER DOLORES PLAN WORKING GROUP UPDATE—** In March 2015, the Legislative Subcommittee of the Lower Dolores Plan Working Group released a discussion draft of proposed federal legislation that would establish a National Conservation Area (“NCA”) (from below McPhee Dam to Bedrock) and remove the finding of Wild and Scenic suitability from the Dolores River, among other things. In response to some stakeholders’ concerns about certain legal aspects and potential consequences of establishing a NCA, the Southwestern Water Conservation District, Dolores Water Conservancy District, Montezuma Valley Irrigation Company, Dolores County, San Miguel County, and Montrose County retained attorney David Robbins to conduct a legal review of the draft legislation. Questions raised include if and how the proposed NCA could impact water supplies and water rights; and the difference between a National Monument and NCA in the context of water issues. Mr. Robbins provided his legal

review to the above-referenced water boards and counties via a letter dated August 8, 2015. After providing extensive background on how federal land management decisions can affect state water uses and users, Mr. Robbins recommended that local stakeholders work with Congress to craft legislation establishing a statutory mechanism that permits special management of the federal lands and adjacent waters in and along the Dolores River and its tributaries, similar to the current proposed approach. Mr. Robbins also provided specific comments on the draft legislative language. On September 30, 2015, Mr. Robbins met with board members and commissioners of the sponsoring entities and also presented his findings at a well-attended public meeting in Cortez, CO. Stakeholders are continuing discussions of the NCA proposal in light of Mr. Robbins's legal analysis. Darlene Marcus of Congressman Scott Tipton's Durango staff has joined the Legislative Subcommittee, which intends to continue negotiating and refining the proposed legislative language.

Additional information on the Lower Dolores Plan Working Group can be found at:  
<http://ocs.fortlewis.edu/drd/meetings.asp>. (*Linda Bassi*)

**RIVER PROTECTION WORKGROUP**— The River Protection Workgroup (RPW) Drafting Committee held a regular meeting on October 27, 2015 in Durango, Colorado with its next meeting scheduled for November 20, 2015 in the same location. The Drafting Committee is currently engaged in negotiations and development of consensus approaches for the protection of the five rivers, and specifically related outstanding remarkable values (ORVs) in the San Juan River basin, while protecting the ability of water users within Colorado to fully use its compact entitlements. The group has been working on resolving differences between a proposal by Trout Unlimited and an alternate proposal by the Wilderness Society and the San Juan Citizen's Alliance. The RPW Steering Committee has come to a tentative agreement-in-principle that incorporates features from both of the proposals. The Steering Committee has now shifted to the "drafting phase" of a regional legislative package with the understanding that there are still some details to be worked through. The agreement-in-principal includes pursuing instream flow (ISF) rights, the removal of suitability, Wild and Scenic designation, and the maintenance of suitability within the five watersheds of the San Juan Basin. Additional information on the RPW can be found at:  
<http://ocs.fortlewis.edu/riverprotection>. (*Suzanne Sellers*)

#### ~ WATER CONSERVATION AND DROUGHT PLANNING UPDATES ~

##### CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGP) UPDATE—

One grant application has been received since the September 2015 Director's Report

- East Larimer County Water District - Water Efficiency Plan Update

Two grants have been approved since the September 2015 Board meeting

- Town of Telluride - Toilet Replacement Program (\$37,083)
- Southeastern Colorado Water Conservancy District - Water Efficiency Plans & System-wide Water Audits (\$49,889)

The following are deliverables sent to the CWCB since the last Board Meeting:

- Colorado WaterWise - AWWA M36 Water Audit Training Pilot Project - 75% Progress Report & Final Report
- Town of Windsor -Water Efficiency Plan Update -50% Progress Report
- City of Ouray - Water Measurement Plan - 50% Progress Report



- Arapahoe County Water & Wastewater Authority - Water Efficiency Plan Update - 75% Progress Report
- Center for Resource Conservation - School District Water Efficiency Project - 50% Progress Report
- City of Cortez - Water Meter Replacement Program - 50% & 75% Progress Reports
- City of Brighton - WaterSmart Software Pilot Program - Final Report  
(Ben Wade)

**WATER EFFICIENCY & DROUGHT PLANS UPDATE—** The Office of Water Conservation & Drought Planning (OWCDP) continues to work with the following providers to approve their Water Efficiency and Drought Management Plans:

#### **DROUGHT MANAGEMENT PLANS—**

##### Approved Plans

- Town of Erie

#### **WATER EFFICIENCY PLANS—**

##### Approved Plans

- Town of Firestone
- City of Greeley
- Town of Aspen

The following plans have been given *conditional approval*. CWCB staff will continue to work with these entities until their respective Water Efficiency Plans achieve approval status.

- Skyland Metro District
- Aurora Water
- Mount Crested Butte
- Southeastern Colorado Water Conservancy District Supplemental Regional Plan

##### Water Efficiency Plans in review

- Town of Castle Rock
- Cherokee Metropolitan District
- La Junta

(Kevin Reidy & Ben Wade)

**GOVERNOR’S WATER AVAILABILITY TASK FORCE—** The next Water Availability Task Force meeting will be held on November 17, 2015 from 1:00-3:00pm at the Colorado Parks & Wildlife Headquarters, 6060 Broadway, Denver, CO in the Bighorn Room. Please check the website (<http://cwcb.state.co.us/public-information/flood-water-availability-task-forces/Pages/main.aspx>) for additional information.  
(Ben Wade)

**DROUGHT UPDATE—** Thirty two percent of the state is currently classified as abnormally dry, but none of the state is in an active drought classification. Recent precipitation has helped to replenish soil moisture following a relatively dry start to October. Overall evapotranspiration rates are below average

for the season and the growing season is coming to a close. Water supplies continue to increase and statewide storage remains high. Water providers are reporting strong system-wide storage levels and demand is also low. El Niño has gained strength over the last few months and continues to be forecasted as a strong event; typically El Niño results in average to above average precipitation across the state. (*Taryn Finnessey*)

**WATER AND GROWTH DIALOGUE—** Through a Water Efficiency Grant, the Keystone Center is facilitating a dialogue to quantify water use through different land use patterns as well as bringing together land use and water managers to discuss where integration can occur. Staff is on the technical advisory group as well as the steering committee. The group is modeling runs using Denver Water's water use data and running that through different land use pattern scenarios. At present time, Denver Water is still running numbers through their model. (*Kevin Reidy*)

**CFWE CITIZEN'S GUIDE TO CONSERVATION WORKGROUP—** Staff has been asked to participate in the working group to develop the next CFWE Citizen's Guide to Conservation. The last edition was published in 2004 and much has changed since that time. Staff attended the first brainstorming session in early August and CFWE staff is creating the outline for the next edition from the feedback from that meeting. The workgroup will review a couple of drafts over the coming months and the guide should be published at the end of March 2016. (*Kevin Reidy*)

#### **-WATERSHED AND FLOOD UPDATES-**

**COLORADO HEALTHY RIVERS FUND UPDATE—** The Colorado Healthy Rivers Fund (CHRF) Designees have approved the funding recommendations jointly made by staff at the CWCB, Water Quality Control Division (WQCD), and the Colorado Watershed Assembly (CWA). The Designees include two members of the CWCB and two members of the Water Quality Control Commission (WQCC).

The CWCB received a total of 18 applications by the April 30, 2015 deadline. Copies of these applications were sent to the WQCD and CWA. Staff at the CWCB, WQCD, and CWA reviewed and scored these applications according to the program guidance approved by the Designees. CWCB, WQCD, and CWA staff met and jointly ranked the applications.

The CHRF revenue balance and the respective needs of the top ranked projects were also reviewed. Funding requests exceeded the amount available for grant awards. The total funding request was \$536,525. The total 2015 CHRF funding award is \$90,500. Two applications are recommended for full funding, and four applications are recommended for partial funding. The funded projects include channel and riparian restoration on James Creek in Boulder County, Tomichi Creek near Gunnison, and the Slate River in Crested Butte. Outreach, education, and stakeholder engagement are funded for the Colorado Data Sharing Network and the Pugatoire Watershed Partnership in the Arkansas Basin, Wetland restoration planning is approved in the Animas Watershed near Silverton. (*Chris Sturm*)

**POLLINATOR PLANTING PROJECT ON THE SOUTH PLATTE—** The Presidential Memorandum: Creating a Federal Strategy to Promote the Health of Honey Bees and Other Pollinators was created by the Obama Administration in 2014 as a result of rampant pollinator species decline in the U.S. One of the leading causes of pollinator decline is a lack of continuous forage and habitat. Pollinators significantly contribute to the wellbeing of our plant communities and food economy. The White House has estimated that honey bees alone bring in \$15 billion to the U.S. economy each year.

To promote the health of pollinator communities, the CWCB is working with stakeholders represented in the South Platte Working Group, the National Resources Conservation Service, and the U.S. Fish and Wildlife Service to create a pollinator planting project along the South Platte River through the Denver Metro area. The project design promotes pollinator communities along the South Platte by working through public private partnerships, and tapping into local, state, and federal funding sources. Planting locations include a reach of river owned by the CWCB, along private properties, and in public park areas. The project seeks to plant species with varied bloom times to increase year-long habitat that spans 15-20 acres throughout the river corridor.

This concept was presented by staff at the September 2015 South Platte Working Group meeting and received positive feedback. The group has expressed that they would like to include students from communities along the river to be involved in the planting projects. This effort will work to engage river communities, protect pollinator species, and allow plant communities to thrive, all while promoting healthy river systems. (*Stephanie DiBettito*)

#### MAPPING UPDATE—

**FY15 Activities:** Activities for the State Hazard Mapping Program are underway and survey work is nearly complete. The first quarterly meeting with communities will take place on November 6, 2015. A new mapping specialist has been hired to manage the State Hazard Mapping Program and assist with other related duties. This is a three year term limited position.

**FY14 Activities:** The draft erosion zone study for the Salt Creek Wash near the Town of Collbran in Mesa County has been completed and submitted to FEMA. Survey work has been put on hold for the Upper White (Rio Blanco County) Risk Map study due to access issues and weather. A First Order Approximate (FOA) or countywide approximate mapping, for El Paso County will begin in the next few months. Other non-mapping projects funded by FEMA this year included an inventory of the ongoing studies and other data in the post flood areas, developing a technical evaluation of flood forecasting methods using Risk Map products, and developing a model management system to store all available hydrologic and hydraulic models in the post-flood areas. All of these projects have been completed and submitted to FEMA.

**FY13 Activities:** The El Paso County as a partial Countywide DFIRM is now in the post-preliminary phase. A final meeting with the community officials and the public meeting took place on October 6, 2015. Purgatoire Watershed and Pueblo County mapping projects are currently in review and are nearing the Preliminary phase.

**FY12 Activities:** The grant for Purgatoire Watershed was funded through floodplain mapping. All tasks have been completed for this grant. A new grant was approved in 2013 to complete this project to effective. The field survey and hydrologic tasks were approved for the Cache La Poudre watershed project. The City of Fort Collins has provided local survey data to supplement the hydraulic model. The floodplain mapping tasks are anticipated to be completed by the end of 2015. A new FEMA grant was approved in September 2015 to complete additional tasks to finalize the maps as FEMA effective products.

**FY11 Activities:** Hydrology tasks for St. Vrain and Clear Creek watersheds have been completed and approved. The scope of work for the St. Vrain watershed was revised to include areas that were

impacted by the flood. Work on Sunshine Canyon is now complete. Clear Creek Risk Map is in progress and the hydraulic analysis review has been completed by FEMA.

**FY10 Activities:** Chaffee and Pitkin Counties are now in the post preliminary phase. A final meeting took place in June with communities in Chaffee County and in August with for Pitkin County. The public meeting for Pitkin County took place on September 29, 2015. Logan County DFIRM appeal period has ended and the Letter of Final Determination (LFD) is scheduled to be distributed on November 16, 2015. The maps are anticipated to become effective on May 16, 2016.

**FY09 Activities:** The Morgan County DFIRM has been converted to a seclusion project, which means a portion of the Wiggins levee will not be showing protection. The preliminary map package is being finalized for review. The Prowers County DFIRM appeal period has ended and the LFD is scheduled to be distributed on October 19, 2015. The maps are anticipated to become effective on April 19, 2016.

**FY08 Activities:** Montrose County DFIRMs became effective on January 6, 2012. The Elbert County and Rio Grande County DFIRMs are now effective. Gunnison County DFIRMs became effective on May 16, 2013.

The Pueblo County DFIRM scope of work has been altered to a Seclusion DFIRM and the remaining tasks were funded in 2013. The Pueblo County Arkansas River Levee floodplain study is in progress, finalization is still progressing. The Pueblo Levee Conservancy District has hired a consultant to assist in their levee certification process and District is working on resolving issues regarding the existing mural on the levee along the Arkansas River.

**FY07 Activities:** Summit County DFIRMs became effective November 2011. La Plata County received their effective maps in August 2010. Park County has gone effective in December 2009. Delta County maps became effective in July 2010. Teller County and Archuleta County have gone effective since September 2009. El Paso County DFIRM scope of work has been altered to complete this project as a Partial Countywide DFIRM. The Templeton Gap levee will not be included in the update. The FEMA grant was extended to September 2013 to complete this project to the preliminary phase.

**FY 06 Activities:** Weld County completed the Appeal period in early December 2014. Weld County final DFIRMs will become effective in January 2016. Fremont County DFIRMs became effective on January 6, 2012. Clear Creek County has gone effective July 17, 2012.

**FY 05 Activities:** Mesa County DFIRM became effective in June 2010. The Garfield County DFIRMs are now in the post preliminary phase. The Montezuma County DFIRM went effective September 28th 2008.

**FY 04/03 Activities:** Boulder County maps became effective on December 18, 2012.  
(Thuy Patton)

**PAGOSA SPRINGS MIDDLE SCHOOL SCIENCE DAY—** On October 1st the CWCB staff and Oklahoma University - Advanced Radar Research Corporation presented to the 8th grade science classes at Pagosa Springs Middle School. In exchange for free roof space at the middle school and free internet use for the equipment, Pierre Kirstetter of O.U. and CWCB staff agreed to teach the science classes for one day. The radiometer was brought into class, and the mobile radar that was used as part of the RWEACT project was put in the school yard. One of the students said it was her best day of school and she was going to pursue a career in the sciences. Students were taught about radar and radiometer science, remote sensing with satellites, and cloud and precipitation types. Pictured is the radar in the school yard and Dr. Pierre Kirkstetter explaining the computers inside of the radar.  
(Joe Busto)



**NEW REMOTE ICE NUCLEUS GENERATORS ON GRAND MESA—** The Water Enhancement Authority applied for Gunnison Basin and Colorado River Basin Roundtable funding to match with the CWCB Weather modification permitting program. The funding put two new cloud seeding machines for the north and south side of the Grand Mesa September 15 and 16. The BRT funding and local initiative helped the CWCB meet the deliverables to the Lower Colorado River Basin states for WY 2015. The Lower Basin is also interested in industry standard equipment in operation in the west. New seeders are part of the technology transfer and modernization work of the CWCB.



High elevation sites get silver in clouds, remote operated seeders put control to start and stop in the operator's hand, and data loggers and flow meters keep track of silver/hour totals for greater accountability and scientific analysis. Pictured is an Idaho Power technician installing a seeder above Collbran at 9300 feet MSL elevation. (Joe Busto)

**FLOODPLAIN RULES AND REGULATIONS UPDATE—** The State of Colorado, through CWCB action in November 2010, adopted increased standards for floodplain management, which are contained in the Rules and Regulations for Regulatory Floodplains in Colorado (Rules), effective January 14, 2011. Communities were provided with a three-year transition period to adopt local regulations consistent with the Rules. Through sound floodplain management practices, these standards support enhanced public health, safety and welfare and will help communities reduce future flood risk to people and property. Staff has been working very collaboratively with communities to assist them with technical

questions, model ordinance templates, and transition support. CWCB staff has contacted each community that has not yet provided documentation of adoption of the Rules via phone or email to offer assistance. Staff has also met with several communities to answer questions and review the process for updating floodplain regulations. Most communities have made adopting the Rules into local floodplain regulations a priority. However, several communities have not completed the adoption or provided documentation to CWCB. There are 19 out of 251 total National Flood Insurance Program participating communities that have not yet provided documentation of adopting the Rules. In accordance with the procedure outlined in Rule 16, staff will begin sending notices of non-compliance at the beginning to 2016 to those communities. Staff will continue to provide outreach and technical assistance to communities. (*Jamie Prochno*)

#### ~AGENCY UPDATES~

**RECENTLY DECREED ISF WATER RIGHTS—** On September 1, 2015, the Division 2 Water Court decreed an instream flow water right to the CWCB on the Purgatoire River in Case No. 09CW090 for 21.0 cfs (5/15-8/15), 15.0 cfs (8/16-9/15), 8.4 cfs (9/16-11/30), 7.0 cfs (12/1-4/14), and 8.4 cfs (4/15-5/14), with an appropriation date of January 27, 2009. The upstream terminus is confluence of the Middle and North Forks of the Purgatoire River and the lower terminus is the confluence with Lopez Canyon. This ISF reach is approximately 4.67 miles long and flows in an easterly direction through parts of Las Animas County. The CWCB entered into stipulations with the following parties in this case: the City of Trinidad; Sheep Camp Holdings, LLC; Hill Ranch LTD; Pioneer Natural Resources USA, Inc.; and XTO Energy Inc.

On September 1, 2015, the Division 2 Water Court decreed an instream flow water right to the CWCB on the South Fork Purgatoire River in Case No. 09CW088 for 18.0 cfs (6/1-6/30), 13.0 cfs (7/1-8/15), 5.0 cfs (8/16-10/15), 3.0 cfs (10/16-4/30), and 9.6 cfs (5/1-5/31), with an appropriation date of January 27, 2009. The upstream terminus is confluence with an unnamed tributary and the lower terminus is the confluence with Torres Canyon. This ISF reach is approximately 7.7 miles long and flows in a northeasterly direction through parts of Las Animas County. The CWCB entered into stipulations with the following parties in this case: Tercio Ranch Holdings, LLC; Sheep Camp Holdings, LLC; Hill Ranch LTD; Pioneer Natural Resources USA, Inc.; and XTO Energy Inc.

On October 1, 2015, the Division 1 Water Court decreed an instream flow water right to the CWCB on Shell Creek in Case No. 14CW3149 for 1.1 cfs (4/1-10/31), and 1.0 cfs (11/1-3/31), with an appropriation date of January 28, 2014. The upstream terminus is its headwaters and the lower terminus is the Bureau of Land Management property boundary. This ISF reach is approximately 6.25 miles long and flows in a northerly direction through parts of Larimer County. The CWCB entered into a stipulation with the Cache La Poudre Water Users Association. (*Rob Viehl*)

**NEW STAFF UPDATE—** The Watershed and Flood Protection Section has taken on new staff and consultants to help manage many of the new efforts undertaken by the section in the wake of the 2013 flood. Stephanie DiBetitto has been hired in a three-year term-limited position to manage the Hazard Mapping Program created by SB 15-245, which remaps floodplains in the areas affected by the 2013 floods as well as establishes pilot programs to analyze debris flows and erosion zones. Stephanie previously worked as a temporary employee for the agency, where she worked on numerous programs in various sections, including Colorado's Water Plan and the Colorado Watershed Restoration Program.

The Section has procured the services of Resilient Watershed Partners (RWP), a consultant team that will be used to assist with management of the \$60+ million Emergency Watershed Protection (EWP) Program, a partnership with the NRCS. In addition to program management, RWP will also be available to provide design services for individual projects within the program, if desired by the local sponsors.

Finally, the Section is conducting interviews to hire a second three-year term-limited position, which will be in charge of contracting and accounting services associated with the EWP program. The Section anticipates having the new hire on board sometime in December. (*Kevin Houck*)

~GENERAL ATTACHMENTS~

- 01 Steam and Lake Protection De Minimis Cases
- 02 Instream Flow and Natural Lake Level Program - Summary of Resolved Opposition Cases
- 03 Signed DNR, CWCB, and USFS MOU
- 04 Signed DNR, CWCB Regional Conservation Partnership Program Support Letter

~LOAN PROGRAM ATTACHMENTS~

- 01 Water Project Loan Program Interest Rates
- 02 Prequalified Project List and Loan Prospect Summary
- 03 Design and Construction Status Report
- 04 Emergency Loans Status Report
- 05 Loan Repayment and Delinquency Report - Loan Financial Activity Report

**Director's Report Attachment – November 18-19, 2015 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.

<b>Case No.</b>	<b>Applicant</b>	<b>Stream/ Case Number</b>	<b>ISF Amount</b>	<b>Percent Injury</b>	<b>Cumulative % Injury</b>	<b>Previous Cases</b>
2-96CW017	Crissey B. Smith & Susan Shampine	Cottonwood Creek/ 2-79CW115	20 cfs (summer) 20 cfs (winter)	0.00335 % 0.00221 %	0.67604% 0.32452%	205
5-15CW3066	Javier Gonzalez- Bringas & Laura Maine	Roaring Fork River/ 5-85CW639	145 cfs (summer) 75 cfs (winter)	0.00227 % 0.00163 %	0.62471% 0.91102%	18
6-15CW3032	Richard Counts	Hunt Creek/ 6-79CW221	5 cfs (summer) 5 cfs (winter)	0.22483 % 0.10427 %	0.22483 % 0.10427 %	0



November 18-19, 2015 Board Meeting  
Instream Flow and Natural Lake Level Program  
Summary of Resolved Opposition Cases

The Board's Instream flow ("ISF") Rule 8i. states:

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

Staff has resolved issues of potential injury in the following water court cases; the Director has authorized the Attorney General's Office to enter into stipulations that protect the CWCB's water right(s).

**(1) Case No. 1-13CW3185 - Application of the City of Fort Collins**

The Board ratified this statement of opposition at its March 2014 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed storage water rights do not injure the Board's instream flow water rights on the North Fork of the Cache la Poudre River by inundation. 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.

The CWCB holds the following ISF water rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
1-85CW428	North Fork Cache la Poudre River	14	11/8/1985	Cache la Poudre	Larimer
1-85CW430	North Fork Cache la Poudre River	20	11/8/1985	Cache la Poudre	Larimer

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 requested enlargement of Halligan Reservoir in this case will inundate two instream flow water rights. At the May 2015 Board meeting, the Board ratified the Director's decision to defer the inundation request. In the decree and stipulation, the City agreed to request and obtain board approval of the inundation request before any water is diverted under the Halligan Enlargement water right.
- The City requested to reuse, successively use, fully consume, and dispose of to extinction the water available to the Halligan Reservoir Enlargement Water Right. In order to use the water in this way, Fort Collins must maintain dominion and control over both the sewered and the non-sewered return flows resulting from its use of the right. Details regarding dominion and control are included in the decree, including some uses for irrigation that requires a separate decree. A continuing retained jurisdiction decree provision allows the court to reconsider the reuse quantification methodology at a later date.

- Use outside of the Ft. Collins service area pursuant to contract exchanges or water trades made by mutual agreement with other water users is allowed “provided these uses are in accordance with a decree that authorizes the use, or pursuant to a substitute water supply plan approved under C.R.S. § 37-92-308 or interruptible water supply agreement approved under C.R.S. § 37-92-309, or successor statutes.”

**(2) Case No. 2-12CW124 - Application of Climax Molybdenum Company**

The Board ratified this statement of opposition at its March 2013 meeting. The Board’s main objective in filing the statement of opposition in this case was to ensure that the Applicant’s proposed plan for augmentation and exchange do not injure the Board’s instream flow water rights on the East Fork Arkansas River and the Tennessee Creek by not replacing out-of-priority depletions in amount, timing or location. 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. A Decree was entered by the Court on October 21, 2015.

The CWCB holds the following ISF water rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
2-77W4646	East Fork Arkansas River	15	1/19/1977	Arkansas	Lake
2-98CW146	Tennessee Creek	6/19/9	12/9/1998	Arkansas	Lake

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 CRS 37-93-102(3)(b), CWCB agreed to limited depletions consistent with historical practices occurring at the time of the instream flow appropriation on East Fork Arkansas, as follows:

Climax may divert from the Storke Water Pump Station (“SWPS”) the amount of water captured from 93.3 acres of land, described in paragraph 7.A.I. of the Proposed Decree regardless of the amount of flow present in the East Fork of the Arkansas River instream flow right. Over any one year, Climax may divert from the SWPS in-priority and out-of-priority for a total combined amount of water captured from the 93.3 acres of land for mine-related uses, which represents the historical drainage intercepted and pumped by the SWPS that pre-dated the CWCB East Fork Arkansas ISF Right appropriation. Any diversions of the SWPS of water from lands greater than 93.3 acres, or uses of the SWPS water right that are different than those uses that existed at the appropriation date of the CWCB East Fork Arkansas ISF Right are subject to administration during an instream flow call.

**(3) Case No. 5-14CW3043 - Application of Constance Harvey Revocable Trust, et al.**

The Board ratified this statement of opposition at its September 2014 meeting. The Board’s main objective in filing the statement of opposition in this case was to ensure that the Applicant’s proposed change of water rights does not injure the Board’s instream flow water

rights on Snowmass Creek. Some of the water rights are claimed with senior appropriation dates. The instream flow water rights may be subject to these water rights under C.R.S. 37-92-102(3)(b) if the new water rights are sufficiently documented and verified. 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.

The CWCB holds the following ISF water rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
5-76W2943A	Snowmass Creek	7.0-12.0	1/14/1976	Roaring Fork	Pitkin
5-76W2943B	Snowmass Creek	11.0-12.0	1/14/1976	Roaring Fork	Pitkin
5-92CW280	Snowmass Creek	3.0	9/15/1992	Roaring Fork	Pitkin
5-92CW281	Snowmass Creek	10.5	9/15/1992	Roaring Fork	Pitkin

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 CRS 37-93-102(3)(b), CWCB agreed to limited depletions consistent with historical practices occurring at the time of the instream flow appropriations on Snowmass Creek and the Roaring Fork River, as follows:

Applicants may divert their Hunter Ditch Extension water rights to irrigate up to 80 acres on Applicants' property, regardless of the amount of flow present in the Snowmass Creek and Roaring Fork River instream flow rights. However, diversions under the Hunter Ditch Extension water right and the senior Hunter Ditch right will be subject to administration and will be limited to irrigation of 80 acres during an instream flow call.

The following cases were resolved by Letters-in-Lieu in 2015:

(1) Case No. 1-14CW3135 - Application of Republican River Water Conservancy District and Yuma County Water Authority Public Improvement District (Settled January 2015) During the January 2015 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water right decreed in Case No. W-8061 (1975) on the North Fork Republican River. This case was resolved by a letter agreement, dated January 30, 2015, by which CWCB agreed not to file a statement of opposition provided Applicant incorporates the following terms and conditions into the decree:

- Applicants recognize that the CWCB's existing instream flow water right decreed in Case No. W-8061 (1975) on the North Fork Republican River was decreed prior to the filing of case 1-2014CW3135.
- Future diversions and credits for the F. D. Johnson Ditch and the O'Donnell Ditch and O'Donnell Ditch Enlargement shall be limited to the historical diversion amounts for these water rights.

(2) Case No. 5-15CW3014 - Application of Westbank Development, LLC (Settled April 2015)

During the April 2015 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water right on Castle Creek and the Roaring Fork River. This case was resolved by a letter agreement, dated April 20, 2015, by which CWCB agreed not to file a statement of opposition provided Applicant incorporates the following terms and conditions into the decree:

- Westbank recognizes that the CWCB's existing instream flow water rights decreed in Case Nos. 76W2947, 76W2948, and 85CW646, District Court, Water Division No.5 on Castle Creek and the Roaring Fork River were decreed prior to the filing of this case.
- The Exchange decreed herein and described in paragraph 7(c) is junior to the CWCB's previously decreed instream flow water rights listed in paragraph 8(b) and will not be operated when such decreed instream flows are not met and the river is being administered.
- When the CWCB's decreed instream flow water rights listed in paragraph 8(b) are not met and the river is being administered, Westbank shall cease diversions at the Westbank Ditch, cease storage in Westbank Pond, and will allow Westbank Pond to decrease in volume commensurate with evaporation.
- Westbank Pond shall not intercept groundwater.

(3) Case No. 5-15CW3009 Application of John and Juliet Wilcox (Settled April 2015)

During the April 2015 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water right on Castle Creek and the Roaring Fork River. This case was resolved by a letter agreement, dated April 24, 2015, by which CWCB agreed not to file a statement of opposition provided Applicant incorporates the following terms and conditions into the decree:

- Applicant recognizes that the CWCB's existing instream flow water rights decreed in Case Nos. 76W2947, 76W2948, and 85CW646, District Court, Water Division No. 5 on Castle Creek and the Roaring Fork River were decreed prior to the filing of this case.
- The Montezuma Exchange decreed herein is junior to CWCB's previously decreed instream flow water rights listed above and will not be operated when such decreed instream flows are not met and the CWCB has placed a call that is recognized and administered by the Division Engineer.
- When CWCB's previously decreed instream flow water rights listed above are not met and the CWCB has placed a call for such rights that is recognized and administered by the Division Engineer, Applicant shall (a) not operate the Montezuma Exchange decreed herein; (b) not augment irrigation use from the Montezuma Ditch Pipeline without first obtaining a separate plan for augmentation; (c) curtail all out-of-priority irrigation from this structure; and (d) replace all out-of-priority indoor use by release from the Montezuma Storage Tanks either to the stream or directly to indoor use.
- No out-of-priority indoor uses will be allowed until the Montezuma Storage Tanks are in place, operable, and contain sufficient supply to replace any out-of-priority indoor uses.

**(4) Case No. 3-15CW3022 - Application of Blanca Ranch (Settled Sept 2015)**

During the September 2015 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water right on Sangre de Cristo Creek. This case was resolved by a letter agreement, dated September 21, 2015, by which CWCB agreed not to file a statement of opposition if Applicant provides an engineer's confirmation to the effect of the following:

- If future pumping impacts Sangre de Cristo Creek at all, that impact will occur downstream of the existing instream flow reach.
- Historical irrigation return flows did not return to the surface stream within the instream flow reach of Sangre de Cristo Creek.
- Future pumping will not impact the existing instream flow reach, a change in timing of groundwater withdrawal from seasonal irrigation use upstream to year-round domestic use downstream will likewise not impact the existing instream flow reach.

**(5) Case No. 5-15CW3064 - Application of 9025 Brush Creek Road, LLC (Settled Sept 2015)**

During the September 2015 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water right on Brush Creek. This case was resolved by a letter agreement, dated September 15, 2015, by which CWCB agreed not to file a statement of opposition provided Applicant incorporates the following terms and conditions into the decree:

- Applicant will not pursue its claims for direct flow diversions for recreational, piscatorial and aesthetic purposes in this case. Any decree entered in this case awarding a water right for Chinery Spring No. 1 will not include those three uses among the purposes for which the water right is decreed.



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FS Agreement No. 15-MU-11020000-072

Cooperator Agreement No. \_\_\_\_\_

**MEMORANDUM OF UNDERSTANDING**  
**Between The**  
**STATE OF COLORADO**  
**DEPARTMENT OF NATURAL RESOURCES**  
**And The**  
**COLORADO WATER CONSERVATION BOARD**  
**And The**  
**USDA, FOREST SERVICE**  
**ROCKY MOUNTAIN REGION**

This MEMORANDUM OF UNDERSTANDING (MOU) is hereby made and entered into by and between the State of Colorado Department of Natural Resources and its agencies, hereinafter referred to as "the DNR," the Colorado Water Conservation Board, hereinafter referred to as the CWCB, and the USDA, Forest Service, Rocky Mountain Region, hereinafter referred to as the "U.S. Forest Service."

Background: This MOU replaces MOU number 09-MU-11020000-058 which expired July 10, 2015.

Title: Colorado Department of Natural Resources

**I. PURPOSE:**

The purpose of this MOU is to document the cooperation between the parties to establish a framework for the U.S. Forest Service, the DNR, and the CWCB to work together in a cooperative manner on issues regarding the management of water and water uses on National Forest System (NFS) lands in Colorado, in accordance with the following provisions.

**II. STATEMENT OF MUTUAL BENEFIT AND INTERESTS:**

Water is the lifeblood of Colorado, the allocation and management of which plays a crucial role in the vitality of Colorado's economy and way of life. Water dependent wildlife, fish, scenic, aesthetic, ecological and recreational values of NFS lands in Colorado contribute substantially to the economy of the state, and the enjoyment of the public.

The prior appropriation system was developed in Colorado to govern the appropriation, use and distribution of water tailored to Colorado's unique physiologic, hydrologic and climatic conditions. The Forest Service authorizes the use and occupancy of NFS lands for numerous water supply and transport facilities in Colorado that allow for the exercise of water rights under the prior appropriation system and federal law.



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Federal and State interests in the management of water resources on NFS lands require coordination and cooperation between the DNR and the Forest Service. There are numerous federal and state laws pertaining to the management of land and water resources, and collaborative efforts consistent with state and federal law will lead to most effective management of water resources for all uses.

It is in the public interest to find collaborative solutions to challenging natural resource issues under cooperative agreements. Cooperation will result in more benefits to the public and the water resource than other means.

The Forest Service recognizes and respects the authority of the State to allocate water available for appropriation, respects valid water rights that are granted, exercised, and managed in accordance with state law, and will manage water resources on NFS lands to minimize impacts adversely affecting the exercise of such rights while meeting federal responsibilities.

In consideration of the above premises, the parties agree as follows:

### **III. THE FOREST SERVICE, THE DNR, AND THE CWCB DO HEREBY AGREE :**

- A. To respect both federal and state laws and regulations. The DNR's responsibilities include developing and implementing state water policy and administering all state water rights. The CWCB's responsibilities include water policy and planning, and the administration of the State's Instream Flow and Natural Lake Level Program. The Forest Service's responsibilities include stewardship of water resources and permitting third party uses of water facilities on NFS lands. The Forest Service and the DNR will seek to integrate federal and state responsibilities into our respective and mutual decision making processes under this MOU.
- B. To pursue collaborative ways to assure continued operation of water use facilities on NFS lands while protecting aquatic resources in a manner that facilitates and supports a constructive, trusting relationship between all parties. In this spirit, our respective staffs will focus on flexibility and opportunity.
- C. That conflicts are best avoided by careful advance planning and a spirit of cooperation. The parties agree that when conflicts arise, they should be resolved by federal and state authorities working together in cooperation with water right holders and where appropriate, tribal and local governments and other interested parties.
- D. That Forest Land and Resource Management Plans (Forest Plans) are the appropriate management tools for long term planning and decision making to assure continued operation of permitted water facilities on NFS lands. The parties



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agree to continue to work together during Forest Plan revision and implementation to identify and address in advance issues that could be significant factors in the authorization and management of water supply facilities on NFS lands, and to recognize and plan for the continued exercise of these non-federal water rights as a valuable resource benefit of NFS lands.

- E. That the reauthorization of existing water facilities on NFS lands will be done in cooperation and collaboration with the holders of the permits and with other parties such as local governments, tribes, and state and federal agencies to the extent consistent with federal law.
- F. To work together to identify steps that can be taken to better integrate federal and state laws and activities concerning protection and management of riparian resources, aquatic habitat, and instream flows on NFS lands.
  - 1. The CWCB and the Forest Service will seek ways to achieve instream flow protection in high priority stream reaches through innovative measures consistent with state and federal law.
  - 2. Where the Forest Service has secured appropriated water rights appurtenant to land acquisitions, it may enter into agreements with the CWCB in regards to changing the use of such water rights to instream flows and protecting and enforcing those rights consistent with federal and state laws.
  - 3. The CWCB will work with the Forest Service to identify monitoring and stream gauging needs on stream reaches deemed of special importance to the Forest Service, and the Forest Service and the CWCB will jointly identify funding sources for additional stream monitoring and stream gauges on such stream reaches as necessary or appropriate.
  - 4. The CWCB and the Forest Service will work together concerning the operation and maintenance of stream gauges on stream reaches deemed of special importance to the Forest Service by providing funding or in-kind services where possible.
  - 5. Where appropriate, the CWCB and the Forest Service will work together when water users on NFS lands wish to donate, sell or lease water to the CWCB as a means of providing for instream flow protection purposes.
  - 6. The CWCB will aggressively monitor and enforce instream flow water rights and file Statements of Opposition in water court if a water right application is determined to injure the CWCB's instream flow water rights within the boundaries of National Forest and Grasslands.





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- G. To meet at least annually to share information and data to further the understanding of water needs on national forest system lands, and to protect these resources consistent with state and federal law.
- H. To maintain, protect, and restore watersheds as appropriate through cooperative adaptive management, including analysis and planning to maintain aquatic habitat or improve degraded aquatic habitat conditions where they exist.

#### IV. IT IS MUTUALLY UNDERSTOOD AND AGREED BY AND BETWEEN THE PARTIES THAT:

- A. **PRINCIPAL CONTACTS.** Individuals listed below are authorized to act in their respective areas for matters related to this agreement.

##### Principal Cooperator Contacts:

<b>Cooperator Program Contact</b>	<b>Cooperator Administrative Contact</b>
Name: Linda Bassi, Chief Stream and Lake Protection Section, Colorado Water Conservation Board Address: 1313 Sherman Street Room 721 City, State, Zip: Denver, CO 80203 Telephone: 303-866-3441 x3204 FAX: 303-866-4474 Email: <a href="mailto:linda.bassi@state.co.us">linda.bassi@state.co.us</a>	Name: Doug Mahan, Office Coordinator Colorado Water Conservation Board Address: 1313 Sherman Street Room 721 City, State, Zip: Denver, CO 80203 Telephone: 303-866-3441 x 3244 FAX: 303-866-4474 Email: <a href="mailto:doug.mahan@state.co.us">doug.mahan@state.co.us</a>

##### Principal U.S. Forest Service Contacts:

<b>U.S. Forest Service Program Manager Contact</b>	<b>U.S. Forest Service Administrative Contact</b>
Name: Cherie Hamilton, Acting Director Renewable Resources Address: 740 Simms Street City, State, Zip: Golden, CO 80401 Telephone: 303-275-5002 FAX: 303-275-5075 Email: <a href="mailto:cehamilton@fs.fed.us">cehamilton@fs.fed.us</a>	Name: Rebecca Cuthbertson Address: 740 Simms Street City, State, Zip: Golden, CO 80401 Telephone: 303-275-5068 FAX: 303-275-5453 Email: <a href="mailto:rcuthbertson@fs.fed.us">rcuthbertson@fs.fed.us</a>

- B. **NOTICES.** Any communications affecting the operations covered by this agreement given by the U.S. Forest Service or the DNR and the CWCB is sufficient only if in writing and delivered in person, mailed, or transmitted electronically by e-mail or fax, as follows:



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To the U.S. Forest Service Program Manager, at the address specified in the MOU.

To the DNR and the CWCB, at the DNR's address shown in the MOU or such other address designated within the MOU.

Notices are effective when delivered in accordance with this provision, or on the effective date of the notice, whichever is later.

- C. PARTICIPATION IN SIMILAR ACTIVITIES. This MOU in no way restricts the U.S. Forest Service or the DNR and the CWCB from participating in similar activities with other public or private agencies, organizations, and individuals.
- D. ENDORSEMENT. Any of the DNR and the CWCB's contributions made under this MOU do not by direct reference or implication convey U.S. Forest Service endorsement of the DNR and the CWCB's products or activities.
- E. NONBINDING AGREEMENT. This MOU creates no right, benefit, or trust responsibility, substantive or procedural, enforceable by law or equity. The parties shall manage their respective resources and activities in a separate, coordinated and mutually beneficial manner to meet the purpose(s) of this MOU. Nothing in this MOU authorizes any of the parties to obligate or transfer anything of value.

Specific, prospective projects or activities that involve the transfer of funds, services, property, and/or anything of value to a party requires the execution of separate agreements and are contingent upon numerous factors, including, as applicable, but not limited to: agency availability of appropriated funds and other resources; cooperator availability of funds and other resources; agency and cooperator administrative and legal requirements (including agency authorization by statute); etc. This MOU neither provides, nor meets these criteria. If the parties elect to enter into an obligation agreement that involves the transfer of funds, services, property, and/or anything of value to a party, then the applicable criteria must be met. Additionally, under a prospective agreement, each party operates under its own laws, regulations, and/or policies, and any Forest Service obligation is subject to the availability of appropriated funds and other resources. The negotiation, execution, and administration of these prospective agreements must comply with all applicable law

Nothing in this MOU is intended to alter, limit, or expand the agencies' statutory and regulatory authority.

- F. MEMBERS OF U.S. CONGRESS. Pursuant to 41 U.S.C. 22, no U.S. member of, or U.S. delegate to, Congress shall be admitted to any share or part of this agreement, or benefits that may arise therefrom, either directly or indirectly.



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- G. **FREEDOM OF INFORMATION ACT (FOIA)**. Public access to MOU or agreement records must not be limited, except when such records must be kept confidential and would have been exempted from disclosure pursuant to Freedom of Information regulations (5 U.S.C. 552).
- H. **TEXT MESSAGING WHILE DRIVING**. In accordance with Executive Order (EO) 13513, "Federal Leadership on Reducing Text Messaging While Driving," any and all text messaging by Federal employees is banned: a) while driving a Government owned vehicle (GOV) or driving a privately owned vehicle (POV) while on official Government business; or b) using any electronic equipment supplied by the Government when driving any vehicle at any time. All cooperators, their employees, volunteers, and contractors are encouraged to adopt and enforce policies that ban text messaging when driving company owned, leased or rented vehicles, POVs or GOVs when driving while on official Government business or when performing any work for or on behalf of the Government.
- I. **TERMINATION**. Any of the parties, in writing, may terminate this MOU in whole, or in part, at any time before the date of expiration.
- J. **DEBARMENT AND SUSPENSION**. The DNR and the CWCB shall immediately inform the U.S. Forest Service if they or any of their principals are presently excluded, debarred, or suspended from entering into covered transactions with the federal government according to the terms of 2 CFR Part 180. Additionally, should the DNR and the CWCB or any of their principals receive a transmittal letter or other official Federal notice of debarment or suspension, then they shall notify the U.S. Forest Service without undue delay. This applies whether the exclusion, debarment, or suspension is voluntary or involuntary.
- K. **MODIFICATIONS**. Modifications within the scope of this MOU must be made by mutual consent of the parties, by the issuance of a written modification signed and dated by all properly authorized, signatory officials, prior to any changes being performed. Requests for modification should be made, in writing, at least 30 days prior to implementation of the requested change.
- L. **COMMENCEMENT/EXPIRATION DATE**. This MOU is executed as of the date of the last signature and is effective for five years from that date, at which time it will expire, unless extended by an executed modification, signed and dated by all properly authorized, signatory officials.
- M. **AUTHORIZED REPRESENTATIVES**. By signature below, each party certifies that the individuals listed in this document as representatives of the individual parties are authorized to act in their respective areas for matters related to this MOU. In witness whereof, the parties hereto have executed this MOU as of the last date written below.



USDA, Forest Service

OMB 0596-0217  
FS-1500-15

MIKE KING, Executive Director  
State of Colorado, Department of Natural Resource

10/7/15  
Date

JAMES EKLUND, Director  
Colorado Water Conservation Board

10/8/2015  
Date

DANIEL J. JIRON, Regional Forester  
U.S. Forest Service, Rocky Mountain Region

9/30/15  
Date

The authority and format of this agreement have been reviewed and approved for signature.

REBECCA CUTHBERTSON  
U.S. Forest Service Grants Management Specialist

9/22/15  
Date

## Burden Statement

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0217. The time required to complete this information collection is estimated to average 3 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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**COLORADO**  
Department of Natural Resources

November 6, 2015

Mr. Mark A. Rose, Director  
Financial Assistance Programs Division  
Department of Agriculture - Natural Resources Conservation Service  
RCPP Application  
P.O. Box 2890  
Washington, DC 20013-2890

Dear Mr. Rose and application reviewers,

On behalf of the Department of Natural Resources (DNR) and the Colorado Water Conservation Board (CWCB), please accept this unequivocal letter of support for the Regional Conservation Partnership Program (RCPP) funding proposal entitled, *Expanding the Modernization of Agricultural Water Management in the Lower Gunnison River Basin: A Producer-led Effort to Increase Water Use Efficiency While Boosting Productivity and Improving Water-Quality* (hereinafter referred to as the "Lower Gunnison Project Expansion" or LGPE).

The Colorado River Basin faces many challenges and we are working on a coordinated approach to address them. These challenges include sufficiency of water quantity and impairment of water quality. In addition, areas of the basin are affected by degraded soil conditions and habitats. Specifically, antiquated and inefficient irrigation delivery systems and irrigation practices have resulted in salt and selenium loading to local waterways and have contributed to poor soil health and habitat degradation for threatened and endangered species, thereby complicating regulatory and environmental compliance. The LGPE tackles these difficult issues by building strategic relationships between water providers, agricultural producers, and local, state, and federal agencies, and by providing funding to implement critical coordination and modernization activities. These actions help achieve the goals of the RCPP within the Colorado River Basin that USDA designated as a Critical Conservation Area.

The Lower Gunnison Project was developed with significant input and engagement from agricultural producers, water providers, and environmental organizations. The LGPE supports the State's dual goals of protecting our agricultural heritage and its sustainability while addressing important local natural resource concerns. In fact, the CWCB not only provided input to the initial Lower Gunnison Project, with \$173,000 of matching funds, but is committed to providing up to an additional \$500,000, subject to appropriations from the General Assembly, (approximately \$100,000 per year) of matching funds. These funds are directly related to three important State initiatives: 1.) the legislatively-approved Species Conservation Trust Funds monies being expended on Selenium Management Program; 2.) the State Water Planning efforts related to the Basin Implementation Plans; and 3.) the state-appropriated monies related to the RCPP, made available to the CWCB Director and Board for successful RCPP projects.

In closing, we urge you to give your continued and full support to the innovative and unique LGPE. We are confident that you support leveraging significant funding sources and help motivated partners engage in this type of locally coordinated, comprehensive strategy that not only maximizes agricultural water use efficiency and promotes natural resource sustainability. For us in Colorado, this is a much better and viable approach than the harmful "buy and dry" practices that have occurred in other parts of the western United States

Sincerely,

Mike King, DNR Executive Director

James Eklund, CWCB Director





**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

1313 Sherman Street  
Denver, CO 80203

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

John Hickenlooper, Governor

Mike King, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members

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

DATE: November 18-19, 2015 Board Meeting

DIRECTORS REPORT: Water Project Loan Program  
Interest Rates

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#### Introduction

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

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

- 1.80% - Agricultural
- 2.50% - Low-income Municipal
- 2.90% - Middle-income Municipal
- 3.25% - High-income Municipal
- 6.00% - Commercial
- 2.00% - Hydroelectric

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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John Hickenlooper, Governor

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James Eklund, CWCB Director

**TO:** Colorado Water Conservation Board Members

**FROM:** Anna Mauss, P.E., Marketing  
Finance Section

**DATE:** November 18-19, 2015 Board Meeting

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

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The Finance Section compiles a list of prequalified projects for the Water Project Loan Program. In order to be included on this list, potential borrowers must submit a Loan Application and two 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
<b>Previously Approved Applications</b>						
Florida Consolidated Ditch Company	Hess Lateral Improvement Project	July 1, 2015	Southwest	The purpose of this project is to pipe the lateral to improve efficiencies within the ditch system. A WSRA grant application is expected. The company will also receive \$950K in CDOT funds as a part of the Hwy 550 expansion project.	\$2,500,000	\$762,500
Lookout Mountain Water District	Upper Beaver Brook Dam Spillway Improvement	July 1, 2015	South Platte	The purpose of this project is to increase the storage capacity of the reservoir by constructing a new, larger spillway in order to raise the normal pool elevation.	\$3,400,000	\$3,060,000
To be presented at November 2015 meeting						
Orchard Ranch Ditch Company	Ditch Piping Project	May 1, 2015	Gunnison	The project is a salinity control project that includes piping 1.6 miles of canal. The company hopes to fund \$1M of the project through Bureau of Reclamation Salinity Control Program funds.	\$1,100,000	\$250,000
<b>Totals</b>					<b>\$7,000,000</b>	<b>\$4,072,500</b>

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/or a loan feasibility study.

## LOAN PROSPECTS

Basin	Last Contact	BORROWER	PROJECT NAME	PROJECT COST	LOAN AMOUNT
South Platte					
	15-Aug	NISP Participants	NISP	\$600,000,000	\$100,000,000
	14-Dec	Harry Lateral Ditch Company	Ditch Lining Project		\$70,000
	14-May	Colorado Trout Group	Reservoir Rehabilitation		\$300,000
	14-Jun	Dixon Reservoir Water Company	Reservoir Rehabilitation		\$300,000
	15-Aug	Kembel Reservoir	Reservoir Rehabilitation		\$200,000
	14-Dec	Upper Platte & Beaver Ditch Company / Duel & Snyder Ditch Company	Diversion Structure		\$1,000,000
	15-July	Bijou Irrigation District	Reservoir Rehabilitation		\$500,000
	14-Dec	Bijou Irrigation Company	Pipeline Project		\$200,000
				<b>TOTAL</b>	<b>\$102,270,000</b>
Arkansas					
	12-Feb	Colorado City Metro District	Beckwith Dam Repair		\$500,000
	13-Apr	City of Walsenburg	Reservoir(s) Rehabilitation		\$6,000,000
	13-Dec	Stonewall Springs, LLC	Reservoir Construction	\$6,000,000	\$5,500,000
	14-Feb	Colorado Springs Flycasting Club	Reservoir Rehabilitation		\$450,000
	14-Oct	Oxford Ditch	Siphon Repair	\$2,000,000	\$1,800,000
	14-Dec	Holita Ditch and Reservoir Company	Reservoir Rehabilitation		\$500,000
	14-Nov	Town of Manitou Springs	Raw Water Pipeline	\$3,500,000	\$3,000,000
	15-Aug	Southeastern Colorado Water Conservancy District	Hydro Project		\$15,000,000
	15-Apr	Fountain Creek Watershed District	Water Rights Purchase	\$3,000,000	\$1,000,000
	15-July	City of Woodland Park	Storage Project	\$9,000,000	\$1,000,000
				<b>TOTAL</b>	<b>\$34,750,000</b>
San Miguel/Juan					
	14-July	Moonlight Ditch	Ditch Lining (NRCS)		\$200,000
				<b>TOTAL</b>	<b>\$200,000</b>
Colorado					
	15-June	Kendall Reservoir	Reservoir Rehabilitation		\$400,000
				<b>TOTAL</b>	<b>\$400,000</b>

Gunnison					
				<b>TOTAL</b>	<b>\$0</b>
North Platte					
				<b>TOTAL</b>	<b>\$0</b>
Rio Grande					
	15-Jun	Manasa Land & Irrigation Co.	Ditch Rehabilitation		\$6,000,000
	14-May	Baca Grande Water and Sanitation District	Water Rights Purchase		\$1,000,000
				<b>TOTAL</b>	<b>\$7,000,000</b>
Yampa					
	15-Apr	Town of Oak Creek	Reservoir Rehabilitation		\$500,000
				<b>TOTAL</b>	<b>\$500,000</b>
				<b>TOTAL</b>	<b>\$145,120,000</b>

Information shown is based on current staff knowledge and will likely change as Loan Prospects develop.

## Recent inquiries:

St Vrain and Left Hand Water Conservancy District - Reservoir Rehabilitation

Rock Creek Mesa Water District - Pipeline Project

Orchard Mesa Irrigation District - Hydroelectric Project

Private owners - EM Curry Reservoir

City of Ft. Collins - Ditch Repair

Town of Firestone - Water Rights and Storage Project

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**TO:** Colorado Water Conservation Board Members**FROM:** Kirk Russell, P.E., Finance Section Chief**BOARD MEETING:** November 18-19, 2015**DIRECTORS REPORT:** Water Project Loan Program  
Design & Construction Status Report

The CWCB Loan Program has Substantially Completed seventeen (17) projects in Calendar Year 2015 as shown in Table 1. There are currently sixty-two (62) projects authorized to receive loan funding totaling \$254.4 million. There are fifty-three (53) projects currently under contract and in the Design and Construction phase totaling \$182.5 million. There are an additional twenty (20) Emergency Loans approved totaling \$23 million shown under a separate report.

The attached spreadsheet summarizes the status of the projects. A detailed description about each project is provided in the digital version of the Director's Report.

**TABLE 1**

	Borrower	Project	County	Loan	Complete
1	Mancos WCD	Inlet & Outlet Canal Rehab.	Montezuma	\$1,451,556	1/1/15
2	Lone Cabin Ditch & Res. Co.	Lone Cabin Dam Rehab. Proj.	Delta	\$123,448	2/1/15 (a)
3	Parker Water & San. District	WISE - ECCV Pipeline Purchase	Douglas	\$4,426,830	2/1/15
4	Denver SE Sub. W&S District	WISE - ECCV Pipeline Purchase	Douglas	\$1,845,270	2/1/15
5	Joseph W. Bowles Res. Co.	Bowles No. 1 Dam Rehab.	Jefferson	\$1,668,391	3/1/15 (b)
6	Town of Dillon	Old Dillon Res. Enlargement	Summit	\$1,515,000	4/1/15 (c)
7	Farmers' High Line Canal & Reservoir Company	System Rehabilitation Project	Adams/ Jefferson	\$2,129,918	5/1/15
8	Platte Valley Irrigation Co.	Lake Outlet Works Rehab.	Weld	\$738,466	5/1/15
9	Sterling Irrigation Company	Emergency Ditch Rehabilitation	Logan	\$101,000	5/1/15
10	Terrace Irrigation Company	Spillway Replacement Project	Conejos	\$2,712,602	6/6/15 (d)
11	East Mesa Water Company	Ditch Piping Project	Pitkin/Weld	\$732,927	7/1/15
12	Greeley Irrigation Company	Greeley Canal No. 3 Rehab.	Weld	\$1,134,839	7/1/15
13	Eckhardt Farms Inc.	Water Rights Purchase	Weld	\$1,336,230	9/1/15
14	Penrose Water District	Water Rights & Pipeline Install	Fremont	\$9,763,370	10/1/15
15	Santa Maria Reservoir Co.	Siphon and Canal System Rehab.	Hinsdale/ Mineral	\$1,405,163	11/1/15
16	Santa Maria Reservoir Co.	Dam Spillway Restoration	Hinsdale/ Mineral	\$3,677,663	11/1/15(e)
17	Lower Poudre Augment. CO.	Cornish Water Rights Purchase	Larimer/Weld	\$1,163,015	11/1/15
			Total:	\$35,320,443	

Calendar Year 2015 has added or preserved 16,765AF of reservoir storage [(a) 163, (b) 2,062, (c) 140, (d) 2,000, (e) 12,000]



Contract Borrower	County	Loan Amount	Size	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
<b>Projects in Design or Construction</b>								
1 Bellyache Ridge Metro District > Well Replacement Project C150356 (CT2015-015)	Eagle	\$169,175	1,900	100%	Feb 2015 - May 2016	80%	ACM	Project was bid in June 2014. The District received no bids. The engineer and District reevaluated the project and opted to drill a smaller test well. Drilling began on February 17, 2015. The test well did not produce the amount of water required by the District to meet its needs. The District's engineer recommended a new site and capping well 1R. 1R was capped in Oct 2015 and appears to have had a positive impact on the water availability of wells 2 and 3.
2 Bennett, Town of > Wells #3 and #6 Replacement Project CT2015-161	Adams Arapahoe	\$145,400	Well Drill	100%	May 2015 - Nov 2015	80%	ACM	The Project was bid in 2014 and drilling began in May 2015. All drilling was complete as of the end of July. Temporary pumps are currently in place and will be replaced with the permant pumps by the end of 2015.
3 Bergen Ditch & Reservoir Company > Bergen Reservoir No. 2 Rehabilitation C150344 (CT2015-017)	Jefferson	\$2,020,000	726AF	100%	June 2015 - Dec 2015	80%	JMH	Project has been bid and Bergen worked with Low-bidder and SEO to identify cost savings in order to bring construction cost in line with the available budget. Construction started June 2015
4 Boxelder Basin Regional Stormwater Authority > Larimer & Weld Canal Crossing Structure Project C150352 (CT2015-071)	Larimer/ Weld	\$1,010,000	Structure	100%	Fall 2015 - Spring 2016	0%	JMH	Land aquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Final design is complete. Bids were received and contract execution is underway.
5 Boxelder Basin Regional Stormwater Authority > East Side Detention Facility Project C150353 (CT2015-070)	Larimer/ Weld	\$7,171,000	1,800AF	100%	Aug 2015 - Jan 2016	40%	JMH	Land aquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Construction began August 2015.
6 Boxelder Basin Regional Stormwater Authority > County Rd 52 Culvert Project C150393 (CT2015-069)	Larimer/ Weld	\$818,100	200LF	100%	Aug 2015 - Jan 2016	40%	JMH	Land aquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Construction began August 2015.
7 Central CO WCD - WAS > Augmentation Water Supply Project C150337 (CT2015-060)	Weld/ Adams/ Morgan	\$3,030,000	20,400AF	50%	Apr 13 - Mar 17	30%	JMH	Purchased a portion of the water rights on 4/25/13. Additional water rights/projects being identified.
8 - CHATFIELD Reallocation Project - First Cost of Storage								\$54,633,223
Castle Pines North Metropolitan District >(C150404A) CT2016- 2049	Arapahoe Douglas Park Weld	\$723,160		N/A	2019	N/A	JMH	This contract is to provide reimbursement for the Chatfield Reallocation Project, specific to the "first cost of storage." To date, Chatfield participants have not yet had to make this payment. It is estimated funds may not be required until 2019.
Centennial Water & Sanitation District >(C150405A) CT2016- 2053	Arapahoe Douglas Park Weld	\$4,978,290		N/A	2019	N/A	JMH	
Center of Colorado Water Conservancy District >(C150406A) CT2016- 2047	Arapahoe Douglas Park Weld	\$94,637		N/A	2019	N/A	JMH	
Central Colorado Water Conservancy District >(C150407A) CT2016- 2057	Arapahoe Douglas Park Weld	\$3,187,560		N/A	2019	N/A	JMH	
9 - CHATFIELD Reallocation Project - Phase 1 Mitigation								\$41,486,120

	Contract Borrower	County	Loan Amount	Size	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
	Castle Pines North Metropolitan District >(C150404B) CT2016- 2050	Arapahoe Douglas Park Weld	\$4,143,020		0%	2016 - 2022	0%	JMH	This contract is to provide reimbursement for the Chatfield Reallocation Project, for engineering, recreation facilities construction, on-site mitigation, off-site mitigation, and mitigation monitoring. Phase 1 covers the work required to be done to allow storage to occur.  The Chatfield Reservoir Mitigation Company has been formed and CDM Smith/Leonard Rice has been selected at the Project Program Manager. Engineering work to develop a final design and more specific construction cost estimate can now start.
	Centennial Water & Sanitation District >(C150405B) CT2016- 2055	Arapahoe Douglas Park Weld	\$28,527,450		0%	2016 - 2022	0%	JMH	
	Center of Colorado Water Conservancy District >(C150406B) CT2016- 2048	Arapahoe Douglas Park Weld	\$511,363		0%	2016 - 2022	0%	JMH	
	Central Colorado Water Conservancy District >(C150407B) CT2016- 2058	Arapahoe Douglas Park Weld	\$18,263,830		0%	2016 - 2022	0%	JMH	
10 - CHATFIELD Reallocation Project - Phase 2 Mitigation									\$13,922,210
	Castle Pines North Metropolitan District >(C150404C) CT2016- 2051	Arapahoe Douglas Park Weld	\$1,587,720		0%	2022 - 2028	0%	JMH	This contract is to provide reimbursement for the Chatfield Reallocation Project, for engineering, recreation facilities construction, on-site mitigation, off-site mitigation, and mitigation monitoring. Phase 2 will cover work remaining after storage is allowed.
	Centennial Water & Sanitation District >(C150405C) CT2016- 2056	Arapahoe Douglas Park Weld	\$10,934,260		0%	2022 - 2028	0%	JMH	
	Central Colorado Water Conservancy District >(C150407C) CT2016- 2060	Arapahoe Douglas Weld	\$700,310		0%	2022 - 2028	0%	JMH	
11	Colorado Parks & Wildlife > Beaver Park Reservoir Rehabilitation C150343	Rio Grande	\$10,000,000	4,434AF	Ph1 100% P2 100%	July '13 & Nov '15	100% 99%	KGR	Phase 1 Alsand Construction \$2M. Spillway & Grout work is complete. Phase 2 Construction by ASI Contractors was complete in Sept '15. Minor closeout work will continue through the late fall 2015. Water is currently being stored in the reservoir under SEO observation.
12	City of Cortez > Water Meter Replacement Project > CT2015-152	Montezuma	\$858,500	Meters	100%	June 2015 - Jan 2016	75%	ACM	Notice to proceed was issued in June 2015. Approximately 75% of the meters have been replaced.
13	Crystal Lakes Water and Sewer Association > Lower Lone Pine Lake Enlargement Project C150325 (CT2015-045)	Larimer	\$2,363,400	271 AF	100%	Apr 12 - Nov 14	99%	ACM	Construction was completed in November 2014. The SEO accepted the as-built drawings in June 2015. Loan will be substantially completed in late 2015.
14	Ephraim Ditch Company > Ephraim Diversion and Headgate Rehabilitation C150402 (CT2015-090)	Rio Grande	\$101,000	Structure	100%	Aug 15 - Dec 15	50%	JMH	NRCS has finalized design. Construction began August 2015.
15	Farmers Pawnee Canal Company > Diversion Structure Replacement Project C150394 (CT2015-132)	Logan	\$2,067,470	Structure	100%	Fall 14 - Fall 15	99%	DRJ	Substantial completion imminent. Project complete aside from minor electrical punch list items.

	Contract Borrower	County	Loan Amount	Size	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
16	Fowler, Town of > Augmentation Pipeline Project C150359 (CT2015-054)	Otero	\$277,245	2,400LF	100%%	Fall 2015		DRJ	Design modifications required for alignment change. Bid process imminent.
17	Fulton Irrigating Ditch Company > Diversion Structure Rehabilitation Project C150399 (CT2015-092)	Adams	\$2,027,070	Structure	100%	Fall 14 - Summer 15	99%	DRJ	Substantial completion imminent. Gantry rake and gate operational. Minor punchlist items nearly completed.
18	Georgetown, Town of > Outlet Works Modification Project C150321 (CT2015-055)	Clear Creek	\$2,976,975	208 AF	100%	Aug 14 - Nov 15	95%	ACM	Construction began in August 2014. Gate testing occurred on 4/28/15. The gate is operational at 50% of its capacity. Rodney-Hunt (gate manufacturer) is fabricating a replacement part to be installed in fall of 2015.
19	Grand Mesa Water Conservancy District > Peak Res. & Blanche Park Res. Rehabilitation C150354 (CT2015-061)	Delta	\$227,250	155AF	100%	Mar 13 - Nov 16	85%	ACM	Construction on Peak Reservoir began in the 2013 season and was completed in Oct 2014. Blanche Park construction was delayed due to Federal permitting issues. The project is on hold until the permits are issued.
20	Greeley and Loveland Irrigation Company > Irrigation System Improvements C150362 (CT2015-022)	Larimer	\$3,154,230	1,100CFS	100%	Summer 14 - Nov 15	80%	JMH	Boyd Lake Project: Construction started January 2015, completed May 2015. Horseshoe Project: Phase 1 and 2A of Horseshoe complete, Phase 2B began October 2015. Requesting additional loan funds at November 2015 board meeting.
21	Gypsum, Town of > LEDE Ditch and Reservoir Rehabilitation C150296 (CT2015-058)	Eagle	\$2,690,000	685 AF	100%	Jul 13 - Sep 16	75%	DRJ	Construction to be delayed until Spring thaw. Dam embankment just short of topping off. Spillway construction, upstream slope riprap, outlet gate installation, instrumentation will all be done after embankment fill is complete.
22	Huerfano County Water Conservancy District > Regional Augmentation Project C150364 (CT2015-047)	Huerfano	\$2,222,000	19.5AF	100%	Mar 14 - Oct 16	60%	ACM	Land and water rights purchase to occurred in January 2014. Camp Ranch augmentation site construction is underway. The Red Wing augmentation project is on hold pending a re-evaluation of sites for the reservoir.
23	Lake Canal Reservoir Company > North Gray Reservoir Rehab Project C150322 (CT2015-042)	Larimer/ Weld	\$116,625	75 AF	95%	Fall 2015 - Spring 2016	0%	JMH	Project was delayed until neighboring Boxelder East Side Detention Facility design was finalized. Project was bid but still waiting for SEO final approval (anticipated Nov 2015). Requesting additional loan funds at November 2015 board meeting.
24	Lake Durango Water Authority > Source Water Supply Project C150317 (CT2015-013)	LaPlatta	\$2,525,000	309 AF	99%	Fall 15 - Spring 17	0%	KGR	Final design near complete. ROW and easements are being negotiated. Work to be bid in the Nov. 2015.
25	Las Animas Consolidated Canal Company >Repair and Replacement of the Las Animas Consolidated Canal Spillway Structure CT2016-1007	Bent	\$363,782	26,000	100%	Fall 15 - Spring 16	0%	DRJ	Nov 15 prebid meeting, plan is to finish construction by Mar 1, 2015
26	Left Hand Ditch Company > Allen Lake and Lake Isabelle Repair Project C150336 (CT2015-088)	Boulder	\$1,475,307		100%	Nov 12 - Oct 15	99%	ACM	Allen Lake construction was completed in August 2013. Lake Isabelle outletworks construction began in 2013. No construction occurred in 2014 due to high water levels and the elevation of the project. Construction resumed in August 2015 was completed in October 2015.
27	Louden Irrigating Canal & Reservoir Company > Emergency Diversion Structure and Ditch Repair C150398 (CT2015-151)	Larimer	\$ 161,600		100%	Summer 14 - Dec 15	90%	JMH	Initial repair phase of project is complete. Improvements to the diversion and heatgate system is scheduled for Fall of 2015

	Contract Borrower	County	Loan Amount	Size	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
28	Lower Arkansas Valley WCD >Water Rights Purchase CT2015-175	Bent, Crowley, Otero, Prowers, Pueblo	\$2,560,350		NA	Summer 2015	100%	DRJ	Substantial completion imminent.
29	McDonald Ditch Company > Ditch Diversion and Headgate Replacement C150334 (CT2015-044)	Rio Grande	\$101,000	5,018AF	100%	Dec 14 - Dec 15	50%	JMH	Phase 1 Construction (diversion dam) started December 2014, completed in March 2015. Phase 2 (pipeline) to be completed after 2015 irrigation season.
30	Monte Vista, City of > Augmentation Water Rights Acquisition C150309 (CT2015-011)	Rio Grande	\$1,693,770	321 AF	N/A	Oct 10 - Jul 17	50%	ACM	The City purchased Anderson Ditch rights and will file a water court application to enable the use of those rights to replace depletions. Contracted with the San Luis Valley Irr. Dist. for storage space in the Rio Grande Res. City continues negotiations to purchase additional water.
31	North Poudre Irrigation Co > Reservoir No. 4 Rehabilitation C150378 (CT2015-003)	Larimer	\$1,636,200	Structure	100%	Nov 15 - Apr 16	10%	JMH	Design was updated per SEO suggestion to upsize spillway to meet higher classification. Wildlife Mitigation completed in January 2015. Reservoir construction has been bid and will begin November 2015.
32	Northern Colorado WCD- Hydropower Enterprise > Granby Hydropower Project C150396 (CT2015-140)	Grand	\$5,135,183	Hydro	100%	May 15 - May 16	60%	JMH	Power Purchase and Lease of Power Privledge agreements signed March 2015. Construction started in May 2015
33	Oligarchy Irrigation Company > Dam Outlet Works Rehabilitation CT2016-1597	Boulder	\$860,000	1,737	90%	Winter 16 - Spring 16	0%	JMH	Company is finalizing design with SEO and has contracted with Longmont to assist in procuring construction bids
34	Overland Ditch and Reservoir Company > Overland Reservoir Rehabilitation C150206 (CT2015-034)	Delta	\$1,141,300	6,200 AF	50%	Permitting	0%	KGR	Permitting issues are being addressed to enlarge reservoir. Company is concerned about the impact of increased costs to the project
35	Owl Creek Reservoir Company > Owl Creek Reservoir Rehabilitation C150089 (CT2015-048)	Weld	\$1,125,000	1200 AF	99%	On Hold	0%	TF	The Company received bids and does not have enough funds to complete the project. The Company has expended approximately \$450,000 to-date for permitting, soils, and design and will need an additional \$600,000 to complete the project. A project partner is being sought.
36	Pisgah Reservoir and Ditch Company > Mount Pisgah Dam/Wrights Res Rehabilitation C150341 (CT2015-027)	Teller	\$1,160,655		100%	Spring 15 - Dec 16	30%	JMH	Approved for additional loan funds at November 2014 and July 2015 Board Meeting. Phase 1 complete. Phase 2 began September 2015. Phase 3 began October 2015.
37	Plum Valley Heights Subdistrict >Raw Water Supply Project CT2015-176	Douglas	\$2,248,260		75%	Spring 15 - Dec 16	0%	JMH	Project is in final design.
38	Prairie Ditch Company > Plaza Phase 3: Prairie Ditch Imp. Project C150400 (CT2015-134)	Rio Grande	\$131,300		100%	Oct 15 - Spring 16	0%	JMH	Bids for the diversion dam were received August 27, 2015 and construction began October 2015. Headgate phase to be bid in November 2015.
39	Ridgway, Town of > Lake Otonowanda Rehabilitation Project C150340 (CT2015-056)	Ouray	\$606,000	363AF	100%	June 14 - July 15	99%	KGR	Work complete reservoir filling. Celebration was held August 31, 2015.



	Contract Borrower	County	Loan Amount	Size	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
40	Riverside Ditch and Allen Extension Company > Ditch System Rehabilitation C150301 (CT2015-050)	Chaffee	\$186,345	3,250 LF	85%	Jul 10 - June 16	80%	KGR	Ditch lining phase of the project was completed in December 2010. Additional phases will be constructed in 2015. Utilizing NRCS La Junta Fld office for design of replacment of diversion structure. Work is expected in the Winter of 2015/16.
41	Riverside Reservoir and Land Company > Riverside Reservoir Spillway Enlargement C150291 (CT2015-026)	Weld	\$2,838,100	64,000 AF	80%	Summer 2016	0%	DRJ	Engineer expects submittal to SEO by late fall/winter of 2015. Construction anticipated summer 2016.
42	San Luis Valley Water Conservancy District > Anaconda Ditch Water Right Acquisition C150348 (CT2015-166)	Alamosa	\$839,000	260AF	N/A	2016	N/A	ACM	Water rights purchase is pending water court change case completion. There is currently one opposer in the case and trial is schedule for December 2015. This District is hopeful the purchase will occur in early 2016.
43	Sanchez Ditch and Reservoir Company > Sanchez Reservoir Outlet Rehabilitation Project C150342 (CT2015-012)	Costilla	\$1,381,276	104,000AF	100%	Oct 14 - Nov 15	90%	ACM	Construction began in Oct 2014. Outlet works work was completed in Jan 2015. Seepage and monitoring work is scheduled for winter/spring of 2015/16.
44	Sanford Canal Company > Sanford Diversion and Headgate Rehabilitation C150401(CT2015-091)	Rio Grande	\$101,000	Structure	100%	Aug 15 - Dec 15	75%	JMH	NRCS has finalized design. Construction began August 2015.
45	Thunderbird W&S Dist > Lambert Ranch Water Rights Purchase C150320 (CT2015-049)	Douglas	\$318,150	896 AF	100%	N/A	N/A	JMH	Closing has been delayed until 2015 due to easement access to purchased wells. Closing on water rights occurred September 2015. Easement aquisition process is still underway.
46	Upper Arkansas Water Conservancy District > Reservoir Rehabilitation C150192 (CT2015-052)	Chaffe/ Custer	\$3,009,800	500 AF	100%	Permitting	90%	KGR	The first phase of construction was awarded to ASI, Buena Vista, CO, and completed in May 2007. The NEPA permitting effort for the enlargmt is underway and expected to be complete by Dec 2017.
47	Upper Platte & Beaver Canal Company > Hospital Rd Recharge Facility & Bridge Project CT2015-101	Morgan	\$190,890	138 Miles	30%	Fall 14 - Spring 15	30%	DRJ	Augmentation land purchase complete. Connection to ditch supply ongoing. Draw made on loan to replace broken headgate at river diversion structure. Bridge component on hold pending possible larger diversion dam rehab project with Deuel & Snyder Ditch Co.
48	West Reservoir and Ditch Company >Repair of West Reservoir No. 1 Outlet Works Loan CT201-196 (Grant CT2015-3228)	Delta	\$248,378	454.5 AF	100%	Summer 15 - Fall16	30%	DRJ	Construction to be delayed until Spring thaw. Dam excavation complete, outlet pipe partial construction will need to be removed for unstable subgrade, and reinstalled next spring. Winter closure plan forthcoming thru SEO.
49	Windsor, Town of > Kyger Reservoir Project C150366 (CT2015-057)	Larimer/ Weld	\$4,545,000	1,100AF	20%	Summer 16 - Fall 16	0%	JMH	Town to purchase reservoir and water rights in summer 2014. Town is expected to complete design and permitting in February 2016 with constrution to occur that summer.
<b>50 - WISE Project - ECCV Pipeline Purchase</b>									\$2,227,050
	Cottonwood W&S Dist - C150408A (CT2015-102)	Douglas/ Arapahoe	\$381,780		N/A	Fall 14 - Spring 15	N/A	DRJ	80% funds disbursed.
	Inverness W&S Dist - C150409A (CT2015-117)	Douglas/ Arapahoe	\$1,845,270		N/A	Fall 14 - Spring 15	N/A	DRJ	
<b>51 - WISE Project - Phase 1 Infructure</b>									\$16,802,501

Contract Borrower	County	Loan Amount	Size	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
Cottonwood W&S Dist - C150408B (CT2015-106)	Douglas/ Arapahoe	\$2,636,100		1%	Spring 15 - Jan 17	0%	DRJ	Notice to proceed given to contractor in May 2015. Construction under way at Smoky Hill Tank site.Design and permitting under way for additional project elements.
Inverness W&S Dist - C150409B (CT2015-118)	Douglas/ Arapahoe	\$1,181,700		1%	Spring 15 - Jan 17	0%	DRJ	
Parker W&S Dist - C150410B (CT2015-108)	Douglas/ Arapahoe	\$6,785,321		1%	Spring 15 - Jan 17	0%	DRJ	
Denver SE Sub W&S Dist - C150411B (CT2015-085)	Douglas/ Arapahoe	\$6,199,380		1%	Spring 15 - Jan 17	0%	DRJ	
52 - WISE Project - Phase 2 Infructure								\$7,400,078
Cottonwood W&S Dist - C150408C (CT2015-105)	Douglas/ Arapahoe	\$1,127,160		0%	Spring 15 - Fall 21	0%	DRJ	
Inverness W&S Dist - C150409C (CT2015-119)	Douglas/ Arapahoe	\$1,427,130		0%	Spring 15 - Fall 21	0%	DRJ	
Parker W&S Dist - C150410C (CT2015-109)	Douglas/ Arapahoe	\$3,418,658		0%	Spring 15 - Fall 21	0%	DRJ	
Denver SE Sub W&S Dist - C150411C (CT2015-086)	Douglas/ Arapahoe	\$1,427,130		0%	Spring 15 - Fall 21	0%	DRJ	
53 - WISE Project - DIA Connection								
Cottonwood W&S Dist - C150408D (CT2015-104)	Douglas/ Arapahoe	\$363,600		N/A	Spring 15 - Spring 21	NA	DRJ	11% funds disbursed.
Inverness W&S Dist - C150409D (CT2015-120)	Douglas/ Arapahoe	\$454,500		N/A	Spring 15 - Spring 21	NA	DRJ	No Inverness Request for Reimb received.
Parker W&S Dist - C150410D (CT2015-110)	Douglas/ Arapahoe	\$1,099,890		N/A	Spring 15 - Spring 21	NA	DRJ	11% funds disbursed.
Denver SE Sub. W&S Dist - C150411D (CT2015-087)	Douglas/ Arapahoe	\$454,500		N/A	Spring 15 - Spring 21	NA	DRJ	11% funds disbursed.

Contract Borrower	County	Loan Amount	Size	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
Projects Under Contract SubTotal =		\$182,481,805						

#### Approved Projects - Not Under Contract

a	Southeastern CO Water Conserv. District > Arkansas Valley Conduit CT150238	Crowley	\$60,600,000	138 Miles	In Contracting	KGR	Pending Federal Appropriation. Hydro project may be considered from these loan funds
b	Bow Mar Water & Sanitation District >Rehabilitation and Replacement of Water Meters	Arapahoe & Jefferson	\$332,795	Meters	In Contracting	DRJ	Construction anticipated after 2015 November election, likely 2016 January
c	Uncompahgre Valley Water Users Association >Drop 5 Hydroelectric Project CT2015-174	Montrose & Delta	\$6,999,300	Hydro	In Contracting	KGR	
d	Brighton Dith Company >River Breach Repair Project CT2016-	Adams	\$481,770	Structure	In Contracting	JMH	
e	Fort Lyon Canal Company >Replacement of Horse Creek Flume CT2016-	Otero, Bent, Prowers	\$1,629,130	Structure	In Contracting	DRJ	
f	Lamar, City of >Repurposing of Wells 12 and 13 CT2016-	Prowers	\$101,000	Wells	In Contracting	DRJ	
g	Lower Poudre Augmentation Company >Box Elder Ditch Water Rights Purchase CT2016-	Larimer, Weld	\$454,500		In Contracting	JMH	
h	Parkville Water District >Evans Reservoir Bypass Flume Project CT2016-	Lake	\$181,800	Structure	In Contracting	DRJ	
i	Tunnel Water Company >Larimer-Poudre Tunnel Rehabilitation CT2016-	Larimer	\$1,111,000	Structure	In Contracting	JMH	

Not Under Contract SubTotal = \$71,891,295

Grand Total = \$254,373,100

Projects Substantially Completed in Calendar Year 2015

	Contract Borrower	County	Loan Amount	Size	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
1	Mancos Water Conservancy District > Inlet and Outlet Canal Rehabilitation C150120 (CT2015-036)	Montezuma	\$1,451,556	15,840 LF	100%	Jan 04 - Oct 13	100%	KGR	1/1/2015
2	Lone Cabin Ditch & Reservoir Company > Lone Cabin Dam Rehab. Project C150361 (CT2015-059)	Delta	\$123,448	163AF	100%	Summer 14 - Fall 14	100%	DRJ	2/1/2015
3	Parker Water and Sanitation District > ECCV Pipeline Purchase C150410A (CT2015-107)	Douglas/ Arapahoe	\$4,426,830		NA	Fall 14 - Spring 15	100%	DRJ	2/1/2015
4	Denver Southeast Suburban Water and San. District > ECCV Pipeline Purchase C150411A (CT2015-083)	Douglas/ Arapahoe	\$1,845,270		NA	Fall 14 - Spring 15	100%	DRJ	2/1/2015
5	Joseph W. Bowles Reservoir Company > Bowles No. 1 Dam Rehabilitation C150290 (CT2015-030)	Jefferson	\$1,668,391	2,062 AF	100%	Aug 10 - Dec 14	100%	JMH	3/1/2015
6	Dillon, Town of > Old Dillon Reservoir Enlargement C150295 (CT2015-038)	Summit	\$1,515,000	286 AF	100%	Sep 10 - Oct 14	100%	KGR	4/1/2015
7	Farmers' High Line Canal and Reservoir Company > System Rehabilitation Project C150314 (CT2015-019)	Adams/ Jefferson	\$2,129,918	31 Miles	100%	Feb 11 - May 15	100%	JMH	5/1/2015
8	Platte Valley Irrigation Company > Sand Hill Lake Outlet Works Rehabilitation CT2015-139	Weld	\$738,466		100%	Summer 14 - Summer 15	100%	JMH	5/1/2015
9	Sterling Irrigation Company > Emergency Sterling Ditch Rehabilitation Project CT2015-097	Logan	\$101,000	21,364AF	100%	May-14	100%	JMH	5/1/2015
10	Terrace Irrigation Co > Spillway Replacment Project C150332 (CT15-033)	Conejos	\$2,712,602	2,000AF	100%	Jul 12 - Jul 13	100%	KGR	6/1/2015
11	East Mesa Water Company > Ditch Piping Project C150360 (CT2015-141)	Pitkin/ Garfield	\$732,927	1,450LF	100%	Feb 15 - May 15	100%%	KGR	7/1/2015
12	Greeley Irrigation Company > Greeley Canal No. 3 Rehabilitation C150239 (CT2015-021)	Weld	\$1,134,839	18,000 AF	100%%	Feb 08 - Dec 15	100%%	KGR	7/1/2015

	Contract Borrower	County	Loan Amount	Size	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
13	Eckhardt Farms Inc > Water Rights Purchase C150338 (CT2015-051)	Weld	\$1,336,230	694AF	N/A	N/A	N/A	JMH	9/1/2015
14	Penrose Water District > Water Rights Purchase and Pipeline Installation C150237 (CT2015-040)	Fremont	\$9,763,670	30,624 LF	100%	Summer 14 - Spring 16	100%%	DRJ	10/1/2015
15	Santa Maria Reservoir Company > Siphon and Canal System Rehabilitation Project C150350 (CT2015-005)	Hinsdale/ Mineral	\$1,405,163	6,300AF	100%	May 14 - Oct 15	100%%	ACM	11/1/2015
16	Santa Maria Reservoir Company > Continental Dam Spillway Rehabilitation Project C150365 (CT2015-006)	Hinsdale/ Mineral	\$3,071,633	12000AF	100%	May 14 - Nov 15	99%	ACM	11/1/2015
17	Lower Poudre Augmentation Company > Cornish Water Rights Purchase CT2015-171	Larimer & Weld	\$1,163,500		N/A	N/A	N/A	JMH	11/1/2015

SubTotal = \$35,320,443



**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

1313 Sherman Street  
Denver, CO 80203

P (303) 866-3441

F (303) 866-4474

John Hickenlooper, Governor

Mike King, DNR Executive Director

James Eklund, CWCB Director

**TO:** Colorado Water Conservation Board Members

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

**DATE:** November 18-19, 2015

**DIRECTORS REPORT:** Water Project Loan Program  
Emergency Loan Status Report

As a result of the unprecedented floods of September 2013, the CWCB awarded zero-interest and no-payment 3-year bridge loans to water suppliers. Typically the loans are utilized by borrowers to replace diversion structures and reconstruct the ditch delivery system.

To date, the CWCB has twenty (20) projects authorized totaling \$23 million. There are currently eighteen (18) projects under contract ready to receive loan funds for eligible project expenses. The CWCB Emergency Loan Program has Completed Construction on four (4) projects as shown in Table 1. One (1) project, Haldi Ditch Company, will be deauthorized at the November Board Meeting.

The attached spreadsheet summarizes the status of the projects. A detailed description can be found on the subsequent Data Sheets.

TABLE 1

	Borrower	Project	County	Loan	Completed
1	Boulder & Larimer Co Irr.	Diversion Structure Repair	Boulder/Larimer	\$202,000	April '14
2	Culver Ditch Company	Culver Mahoney Ditch Repair	Boulder/Larimer	\$151,500	May '14
3	Ish Reservoir Company	Inlet Ditch & Div. Repair	Boulder	\$207,050	April '14
4	Sylvan Dale Ranch, LLLP	Emergency Pond Excavation	Larimer	\$105,171	May '14
			Total:	\$665,721	



Current Projects in Design or under Construction

Borrower/Project		County	Loan Amount	Annual Delivery Yield (AF)	Design Status	Construction Start/End	Construction Status	PM	Status Description/Update
1	Beeman Irrigation > Emergency Beeman Diversion Dam Repair C150385	Weld	\$ 2,020,000	10,586	100%	1/2014-5/2014	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated.
2	Big Elk Meadows Association > Emergency Raw Water Storage Repair C150391	Boulder/ Larimer	\$ 1,515,000	25,391	75%	7/2014-4/2017	20%	JMH	Project includes the reconstruction of 5 dams in series. Mirror Dam complete as of April 2015. Rainbow Dam to be constructed Fall 2015 with other 3 dams to follow. Association still working with FEMA to get Meadows Dam covered.
3	Big Thompson and Platte River > Big Thompson & Platte River Div. Structure Repair C150373	Larimer	\$ 808,000	9,736	100%	5/2014-6/2014	95%	JMH	Design change complete. Project is now a siphon crossing the Little Thompson River, rather than an elevated pipe. Construction nearly completed.
4	Boulder and Larimer County Irrigation > Boulder & Larimer Diversion Structure Repair C150374	Boulder & Larimer	\$ 202,000	4,500	100%	1/2014-4/2014	100% Ltr	JMH	Construction complete, used all loan funds. No grant reimbursements are expected.
5	Butte Irrigation & Milling Company > Emergency Berm Repair C150382	Boulder	\$ 277,750	1,177	100%	4/2014-5/2014	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated.
6	Church Ditch Water Authority > Leyden Creek Crossing Repair C150377	Jefferson	\$ 606,000	8,355	100%	1/2014-5/2014	95%	JMH	Repair construction complete, small amount of loan funds remaining. Additional disbursements are anticipated for mitigation portion of project. Company has applied \$360k of FEMA money to loan balance.
7	Consolidated Home Supply Ditch & Reservoir Co > Big Dam Diversion Structure Repair C150375	Larimer	\$ 1,858,400	22,000	100%	1/2014-9/2015	100%	JMH	Loan increase approved at Sept 2014 for flood mitigation work. Flood repairs to the dam have been completed. New headgates, sandgates, control gate, and the new spillway gate are all near complete. Company to request FEMA closeout meeting soon.
8	Consolidated Home Supply Ditch & Reservoir Co > George Rist Ditch Repair C150380	Larimer	\$ 519,140	22,000	100%	2/2014-5/2014	99%	JMH	Loan Increase request approved during July 2014 Board Meeting. Project is complete but there remains some miscellaneous items to be closed out.
9	Culver Ditch Company > Culver Mahoney Ditch Repair C150390	Boulder & Larimer	\$ 151,500	1,200	100%	2/2014-4/2014	100% Ltr	JMH	Construction complete, used all loan funds. FEMA grant reimbursement is still pending.
10	Green Ditch Company > Emergency Green Ditch Channel Repair C150383	Boulder	\$ 530,250	1,847	100%	5/2014-6/2014	100%	JMH	The project schedule and description has been revised to include only the river breach construction, which has been completed. The diversion structure will be completed using other funds. No additional loan disbursements are expected.
11	Highland Ditch Company > Highland Ditch System Repairs C150369	Boulder	\$ 1,999,800	38,000	100%	10/2013-4/2014	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated.
12	Ish Reservoir Company > Inlet Ditch & Diversion Structure Repair C150376	Boulder	\$ 207,050	4,500	100%	1/2014-4/2014	100% Ltr	JMH	Construction complete, used all loan funds.

**LOAN PROGRAM  
ATTACHMENT #4**

13	Left Hand Ditch Company > Left Hand Ditch System Repairs C150370	Boulder	\$ 3,276,056	22,700	100%	10/2013-2/2015	99%	JMH	Several projects are included in this loan. All are complete or very near completion. Significant savings in Project cost because anticipated Left Hand Valley work did not have to be done. Company has applied \$592k of FEMA money to loan balance.
14	North Poudre Irrigation Company > Fossil Creek Res. Diversion Structure Repair C150368	Larimer	\$ 876,680	31,700	100%	11/2015 - 4/2016	0%	JMH	Construction was delayed due to continuously high river conditions during winter of 2014/2015. Bids were received August 2015 and construction is to begin November 2015.
15	Oligarchy Irrigation Company > Oligarchy Irr. Ditch River Diversion Struct. Repair C150372	Boulder	\$ 1,262,500	7,966	100%	1/2014-5/2014	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated. Company has applied \$584k of FEMA money to loan balance.
16	Rough & Ready Irrigation Ditch Company > Rough & Ready River Diversion Struct.Repair C150371	Boulder	\$ 1,843,250	7,528	100%	1/2014-5/2014	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated. Company has applied \$963k of FEMA money to loan balance.
17	Supply Irrigating Ditch Company >Emergency Supply Irrigating Ditch Repair Project CT15-142	Boulder	\$324,210		100%	3/2015-5/2015	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated. FEMA reimbursements pending.
18	Sylvan Dale Ranch,LLP > Emergency Irrigation Pond Excavation C150392	Larimer	\$ 105,171		100%	6/2014-4/2014	100% Ltr	JMH	Construction complete, used all loan funds. Company has applied \$84k of grant funds to loan balance.

Projects Under Contract SubTotal = \$ 18,382,757      219,186

**Projects Not Under Contract**

a	St. Vrain and Left Hand Water Conservancy District > Emergency Rock'n WP Ranch Lake No. 4 Repair	Boulder	\$ 4,545,000	2,200	In Contracting			JMH	Approved July 2014 Board Meeting. District delaying contracting until agreements with Boulder County are in place.
b	Haldi Ditch Company > Emergency Haldi Ditch Repair C150389	Boulder	\$ 50,500	3,000	100%	1/2014-3/2014	100%	JMH	Construction completed but Ditch Company's contribution was covered with non-CWCB grants. Loan was amended to \$0.

Not Under Contract SubTotal = \$ 4,595,500      5,200

Grand Total = \$ 22,978,257      224,386



**WATER PROJECT CONSTRUCTION LOAN PROGRAM  
LOAN REPAYMENT DELINQUENCY REPORT  
LOAN FINANCIAL ACTIVITY REPORT  
NOVEMBER 2015**

**LOAN REPAYMENT DELINQUENCY**

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2015 through October 2015. The effective due date of the payment is inclusive of the Board's current 30 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 the first four months of Fiscal Year 2016 totaled 105. There were three loan payments not received on time during this period. The loan payments from the Grandview Irrigation Ditch Company and the Spring Dale Ditch Company are less than 30 days late but have not been received to date. The loan payment from Fuchs Ranches, Inc. is less than 60 days late but has not been received to date. Thus, the on-time performance for the total repayments due was 97% in compliance or 3% not in compliance.

**LOAN FINANCIAL ACTIVITY**

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2016 is summarized as follows: Funds received relative to loans in repayment totaled \$11.5 M for this year. Funds disbursed relative to new project loans totaled \$8.7 M for this year. Net activity resulted in \$2.8 M 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 \$3.7 M in receivables and \$4.4 M in disbursements for a total net activity of \$0.7 M disbursed over received. The STPBF consists of \$7.8 M in receivables and \$4.3 M in disbursements for a total net activity of \$3.5 M received over disbursed.

**COLORADO WATER CONSERVATION BOARD**

**FINANCIAL ACTIVITY REPORT FOR FISCAL YEAR 2016**

**CONSTRUCTION FUND**

<b>Period</b>	<b>Principal</b>	<b>Interest</b>	<b>Total Received</b>	<b>Disbursements</b>	<b>Net Activity</b>
July 2015	\$ 807,994	\$ 179,878	\$ 987,872	\$ -	\$ 987,872
August 2015	\$ 167,620	\$ 159,096	\$ 326,716	\$ 851,416	\$ (524,699)
September 2015	\$ 773,951	\$ 1,466,465	\$ 2,240,416	\$ 2,029,527	\$ 210,889
October 2015	\$ 95,422	\$ 49,140	\$ 144,561	\$ 1,582,193	\$ (1,437,632)
November 2015	\$ -	\$ -	\$ -	\$ -	\$ -
December 2015	\$ -	\$ -	\$ -	\$ -	\$ -
January 2016	\$ -	\$ -	\$ -	\$ -	\$ -
February 2016	\$ -	\$ -	\$ -	\$ -	\$ -
March 2016	\$ -	\$ -	\$ -	\$ -	\$ -
April 2016	\$ -	\$ -	\$ -	\$ -	\$ -
May 2016	\$ -	\$ -	\$ -	\$ -	\$ -
June 2016	\$ -	\$ -	\$ -	\$ -	\$ -
<b>FY 2016 Totals</b>	<b>\$ 1,844,987</b>	<b>\$ 1,854,579</b>	<b>\$ 3,699,566</b>	<b>\$ 4,463,136</b>	<b>\$ (763,570)</b>

**SEVERANCE TAX PERPETUAL BASE FUND**

<b>Period</b>	<b>Principal</b>	<b>Interest</b>	<b>Total Received</b>	<b>Disbursements</b>	<b>Net Activity</b>
July 2015	\$ 54,661	\$ 106,155	\$ 160,816	\$ -	\$ 160,816
August 2015	\$ 4,567,874	\$ 1,116,206	\$ 5,684,080	\$ 2,870,469	\$ 2,813,611
September 2015	\$ 554,447	\$ 415,873	\$ 970,320	\$ 764,226	\$ 206,094
October 2015	\$ 293,827	\$ 739,299	\$ 1,033,126	\$ 678,863	\$ 354,263
November 2015	\$ -	\$ -	\$ -	\$ -	\$ -
December 2015	\$ -	\$ -	\$ -	\$ -	\$ -
January 2016	\$ -	\$ -	\$ -	\$ -	\$ -
February 2016	\$ -	\$ -	\$ -	\$ -	\$ -
March 2016	\$ -	\$ -	\$ -	\$ -	\$ -
April 2016	\$ -	\$ -	\$ -	\$ -	\$ -
May 2016	\$ -	\$ -	\$ -	\$ -	\$ -
June 2016	\$ -	\$ -	\$ -	\$ -	\$ -
<b>FY 2016 Totals</b>	<b>\$ 5,470,809</b>	<b>\$ 2,377,532</b>	<b>\$ 7,848,342</b>	<b>\$ 4,313,558</b>	<b>\$ 3,534,784</b>
<b>GRAND TOTALS</b>	<b>\$ 7,315,796</b>	<b>\$ 4,232,111</b>	<b>\$ 11,547,907</b>	<b>\$ 8,776,693</b>	<b>\$ 2,771,214</b>