COLORADO

Colorado Water Conservation Board

Department of Natural Resources

DIRECTOR'S REPORT

March 2017

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

STATE OF COLORADO

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

TO: Colorado Water Conservation Board Members

FROM: James Eklund
Erik Skeie

DATE: March 22-23, 2017

SUBJECT: **Agenda Item 6d, March 2017 CWCB Board Meeting Director's Report**

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~INTERSTATE AND FEDERAL~

U.S.-MEXICO, MINUTE 32X NEGOTIATIONS— Representatives from the United States, Mexico, and the Colorado River Basin States remain engaged in negotiations regarding "Minute 32X," an agreement that would extend and replace Minute 319. Minute 319 is a binding agreement between the U.S. and Mexico which helps implement the 1944 Water Treaty between the two countries, including considerations for operations during both high and low reservoir conditions, salinity, environmental projects, and other issues. Minute 319 will remain in effect through December 31, 2017 unless another Minute replaces it prior to expiration.

At their most recent meeting, the Basin States reaffirmed their commitment to working towards the completion of the Minute this year, preferably before the Colorado River Water Users' Association meeting in mid-December. Several domestic side agreements must be developed before the Minute can move forward. CWCB staff will work with the other Basin States and Interior to draft those documents in the coming weeks and months. (*Carlee Brown*)

COLORADO RIVER BASIN DROUGHT CONTINGENCY PLANNING— The Upper and Lower Basins of the Colorado River have been engaged in drought contingency planning on separate tracks for the past several years. The Upper Colorado River Basin Emergency Drought Contingency Response draft plan involves reservoir operational adjustments, demand management, and supply augmentation (such as the weather modification program).

Colorado and other Upper Basin states are currently working with the Lower Basin entities to define the process for inter-basin consultation during implementation of the two draft plans. CWCB is also working with the other Upper Basin states to provide feedback to the Lower Basin on its draft drought contingency plan term sheet. (*Carlee Brown*)

SYSTEM CONSERVATION PILOT PROGRAM— The Upper Colorado River Commission has approved more than $1.8 million in funding for the third round of System Conservation Pilot Program (SCPP) projects. The SCPP provides funding for pilot projects to test whether voluntary, compensated conservation measures can be an effective part of drought contingency efforts. Funders of the program include four major municipalities and the Bureau of Reclamation. Funding for this third round is limited to one year, starting this spring and running through the fall. Multi-year projects received consideration solely for 2017, and proponents will have to find separate sources of funding for future years.

45 applications were received for 2017, with an estimated cost exceeding $7 million. Selecting projects for 2017 was especially difficult and time-consuming given the funding limitations. Priority was given to projects that provided an opportunity to learn something new. Funding agreements and draft contracts are currently being prepared for the highest priority projects. (*Carlee Brown*)

~STATEWIDE~

GROUND WATER COMMISSION MEETING— The Ground Water Commission (GWC) held its quarterly meeting on February 17, 2016 in Denver, CO. The Commission approved an amendment to Rule 5.2.9, which, as amended, states that the Alluvial Aquifer, Fan Aquifer, and White River Aquifer in the Upper Crow Creek Basin are over appropriated. The Commission also heard a Petition for Determination of Jurisdiction over Surface Water within the Upper Black Squirrel Creek Designated Ground Water Basin from Meridian Service Metropolitan District. The Commission remanded this matter to a hearing officer.

State Engineer's Office Staff briefed the Commission on the stakeholder outreach they have undertaken on proposed amendments to Rules 5.6 and 5.8 regarding replacement plans, artificial recharge, storage, and recovery plans. Staff plans to distribute a second draft of proposed amended rules to stakeholders and to convene another stakeholder meeting in the coming weeks.

The Ground Water Commission will hold its next regular meeting on May 19, 2016, in Castle Rock, CO. For more information, visit http://water.state.co.us/groundwater/CGWC. (*Carlee Brown*)

~COLORADO RIVER BASIN~

COLORADO RIVER WATER USE—

2017 Colorado River Storage as of March 5, 2017			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1089.46	10.810	41%
Lake Powell	3594.06	11.192	46%
Total System Active Storage		29.873	50%
2016 Total Active Storage		29.121	49%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell		14.348	132%

Forecasted CY 2017 Lower Basin Consumptive Use			
State		Use (MAF)	Total (MAF)
Arizona		**2.695**	
California			
California Agricultural	3.283	**4.018**	**7.003**
Metro. Water District	0.614		
Nevada		**0.290**	

*****Note MAF = million acre-feet (*Erik Skeie*)

UPPER COLORADO RIVER WILD AND SCENIC STAKEHOLDER (UCRW&S) GROUP— The UCRW&S Group held its quarterly Governance Committee (GC) meeting on January 30, 2017 in Summit County. A presentation was given entitled "Development Timeline of Upper Colorado Wild & Scenic Hydrology and Resource Guides". The GC directed the Executive Committee to take the lead on developing a draft Agency MOU for discussion and approval. The GC also heard interest group updates, federal agency updates and committee updates. The next GC meeting is scheduled for March 15, 2017 in Summit County. Additional information on the UCRW&S Group can be found at http://www.upcowildandscenic.com. (*Suzanne Sellers*)

~PLATTE RIVER BASIN~

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM— The Platte River Recovery Implementation Program (PRRIP) Governance Committee (GC) has not met since the last CWCB Meeting. The next regular GC meeting will be held on March 7-8, 2017 in Kearney, NE. 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— The team of key stakeholders appointed by the Group's Legislative Subcommittee has met numerous times to work on refining the draft federal legislation that would establish a National Conservation Area (NCA) along the Dolores River from below McPhee Dam to Bedrock and remove the finding of Wild and Scenic suitability from the Dolores River. The draft legislation has undergone several iterations, including review by and input from legislative drafters in Washington, D.C. At meetings held in October 2016, water users, counties and the Legislative Subcommittee identified remaining issues to be resolved and committed to working through those issues. One issue is how to formally structure the Native Fish Monitoring and Recommendation Team, with the options being: (1) setting up a committee under the Federal Advisory Committee Act (FACA), or (2) through establishing some type of State mechanism. The stakeholders also agreed that addressing several issues on La Sal Creek is a priority, including the fact that a rare and globally impaired riparian forest exists along the creek, and the existence of several upstream water rights

users whose interests and needs must be addressed. Currently located in a Wilderness Study Area, La Sal Creek would be part of a new Wilderness Area established via the legislation. The legislative effort continues to receive input from a variety of community stakeholders across local, state and federal entities, and conservation and recreation groups.

The process on the Lower Dolores is also benefiting from a large snowpack which, combined with good carryover storage, will result in a large managed release of 60 days (+or-). The Lower Dolores River Implementation Monitoring and Evaluation Plan for Native Fish defines a number of opportunities to benefit native fish with large managed releases, that also provide recreational boating opportunities. The Monitoring and Recommendation Team (M&R Team) is charged with coordinating Implementation Plan efforts.

The M&R Team met on February 10 to assess the magnitude of the forecasted release, and consider the integration of boating, ecological and water supply goals to advise on the impending spill. A subgroup of the M&R Team met on March 3 in Grand Junction to fine tune "model spill hydrographs" used to align the objectives of these interests in guiding managed releases under a range of spill volume scenarios. The subgroup will also work on coordinated monitoring of the ecological response and the integration of boating flows and monitoring of the boating experience. This work will be brought to the full M&R Team to finalize flow and monitoring objectives on March 16, followed by a public operations meeting that evening.

Many tools have been added to the tool kit since the last extended managed release in 2008, including: the Implementation Plan; a system for tracking annual ecological objectives and responses; several years of "small spill" and "no-spill" years of monitoring data; temperature loggers to evaluate thermal suppression to avoid pre-spill spawning; a pit tag array and a growing population of pit tagged native and non-native fish; and improved cooperation among state, federal, and local agencies and NGOs that are working to integrate and share their monitoring capabilities in 2017. (*Linda Bassi*)

RIVER PROTECTION WORKGROUP— The River Protection Workgroup (RPW) Steering Committee has not met since the last CWCB Meeting and the next meeting has not been scheduled; however, the participants of the Drafting Committee have been meeting individually to discuss specific concerns. Additional information on the RPW can be found at http://ocs.fortlewis.edu/riverprotection (*Suzanne Sellers*)

BUREAU OF LAND MANAGEMENT UNCOMPAHGRE FIELD OFFICE RESOURCE MANAGEMENT PLAN— To follow up on the CWCB's comments on the Bureau of Land Management (BLM)'s Uncompahgre Field Office's (UFO) recommendations on suitability, Staff met with the BLM on February 9, 2017 to discuss how the proposed suitability could potential impact specific projects in the basin. (*Suzanne Sellers*)

~ WATER CONSERVATION AND DROUGHT PLANNING UPDATES ~

CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGP) UPDATE—

One grant application has been received since the January 2017 Director's Report

- Eagle River Water & Sanitation District – Roaring Fork Watershed Regional Public Education & Outreach Program

Three grants have been approved since the January 2017 Director's Report

- 4CORE – Home H2O Program ($18,000)
- Ruedi Water & Power Authority – Rain Sensor Purchase & Installment ($20,200)
- Eagle River Water & Sanitation District – Water Efficiency Plan Update ($49,990)

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

- Town of Severance – Water Efficiency Plan – *75% Progress 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

- No new plans approved since last board meeting

WATER EFFICIENCY PLANS:

Approved Plans:

- City of Boulder

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.

- Parker Water & Sanitation District
- North Table Mountain Water and Sanitation District
- City of Brighton
- East Larimer County Water District

Water Efficiency Plans in review:

- Fort Collins (*Kevin Reidy & Ben Wade*)

GOVERNOR'S WATER AVAILABILITY TASK FORCE— There is a Joint Water Availability & Flood Task Force meeting on March 21st from 9:00am-12:00pm at the Colorado Parks & Wildlife Headquarters, 6060 Broadway, Denver, CO in the Big Horn 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— Despite well above average temperatures in February, mountain snowpack continues to accumulate and build on January's record breaking snowfall. However, the eastern plains have seen very little precipitation in recent week and agricultural producers there are hoping for

additional precipitation to alleviate worsening drought conditions. Reservoir storage remains above average and at this time municipal water providers have no significant concerns entering into the spring. As of March 2nd 52 percent of the state is experiencing abnormally dry to severe drought conditions, the majority of which is moderate drought (35 percent). Snowpack remains well above normal levels (137 percent statewide) as we enter March, historically our snowiest month. The lowest SNOTEL levels are in the Yampa/ White basin at 118 percent of normal accumulation, while the highest level is in the southwest basins at 158 percent of normal for this time of year. Looking ahead, neutral ENSO conditions currently exist and forecasts indicate they are likely to remain through spring, with increasing odds for El Niño toward the second half of 2017. The long term Climate Prediction Center seasonal drought outlook indicates that drought will likely persist throughout much of the eastern plains at least into spring. (*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. Kevin Reidy is on the technical advisory group as well as the steering committee. At present time, Denver Water has created a model for quantifying water use through land use decisions. A group of water and land use planners walked through the model in January and the group received feedback on what could be improved. At present, the steering committee is determining the path forward for the group and how to disseminate the results of the project once complete. (*Kevin Reidy*)

SB15-008 IMPLEMENTATION— Staff is working with counterparts from DOLA to create trainings specified in SB 15-008 (AKA the land use bill). This bill stated that the CWCB and DOLA would create trainings for land use and water planning professionals in order to incorporate water conservation and demand management best practices into land use planning. At present, Kevin and DOLA staff have finalized 2 of the 3 modules and have produced 3 webinars with participation ranging from around 65 - 100 participants for each one. The webinars and modules will be posted on the Colorado Water Plan site with links on the CWCB and DOLA sites. Two additional webinar topics have been chosen (outdoor water use &ordinances and water efficiency and PUD's) with the creation of those webinars set for March 14 and April 11. Kevin and DOLA will also convene a group of involved parties who have been working in the land use-water integration field to plan on how to spread the trainings across the state. (*Kevin Reidy*)

CWCB/ALLIANCE FOR WATER EFFICIENCY SUSTAINABLE WATER RATE WORKSHOPS— Staff has been working with the Alliance for Water Efficiency, a national water efficiency non-profit organization, to implement two workshops in Colorado at the end of February-early March. The workshops took place on February 28 and March 2 in Glenwood Springs and in Lakewood, CO, respectively. The Glenwood Springs workshop drew a little over 20 participants and the Lakewood workshop drew approximately 55 participants. The main goal of the workshops was to work with participants to develop rate structures that successfully balance revenue management, resource efficiency and fiscal sustainability in light of decreased supply, volatile weather and declining demand. Initial feedback from participants is very positive and participants were very enthusiastic about the topics that were covered as well as the peer to peer sharing and access to new resources. (*Kevin Reidy*)

ROCKY MOUNTAIN LAND INSTITUTE ANNUAL CONFERENCE— Staff will present on the land use-water supply planning nexus at the Rocky Mountain Land Institute's annual conference, March 15-17. Staff will be presenting on two separate panel discussions pertaining to the Colorado Growth Dialogue as well as the SB15-008 implementation. (*Kevin Reidy*)

~WATERSHED AND FLOOD UPDATES~

MAPPING UPDATE—

FY16 Activities: Upper White Watershed and St. Vrain Risk Map Phase III State task orders have been approved and work is under way. CWCB is currently working on an RFQ process to select contractors for future LiDAR acquisitions.

FY15 Activities: The CWCB was awarded several FEMA grants this past year to fund Risk Map activities including: continuation of the Cache La Poudre Watershed Risk Map Project, develop approximate floodplain delineations in the Middle South Platte Watershed located in northeast Colorado, obtain IFSAR topographic data for over twenty un-modernized counties, continuation of Phase II of the flood forecasting tool development, and to begin Phase I of the Upper Gunnison Risk Map Project. Upper White Watershed and St. Vrain Risk Map Phase III scopes of work have been finalized and task orders are being finalized. CWCB is currently working on an RFQ process to select contractors for future LiDAR acquisitions.

FY14 Activities: The erosion zone study for the Salt Creek Wash near the Town of Collbran in Mesa County has been completed and approved by FEMA. This report will be made available on the Risk Map website. 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 Spring 2016. 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 approved by FEMA.

FY13 Activities: The El Paso County as a partial Countywide DFIRM will be published in the Federal Register in the next couple of months and shortly after the appeal period will begin. 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 in early spring 2016. 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 in 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. Both of these counties are awaiting the Federal Register posting before the appeal period will begin. Logan County Letter of Final Determination (LFD) was 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 letters were 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.

FY06 Activities: Weld County completed the Appeal period in early December 2014. Weld County final DFIRMs will become effective in January 20, 2016. Fremont County DFIRMs became effective on January 6, 2012. Clear Creek County has gone effective July 17, 2012.

FY05 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.

FY04/03 Activities: Boulder County maps became effective on December 18, 2012.
(*Thuy Patton*)

FLUVIAL HAZARD MAPPING UPDATE— The floods of September 2013 reminded Coloradans how quickly rivers and streams in their state can change and morph into extreme storm events. Approximately half of the private structure damages and losses experienced in the 2013 flood were located outside of the regulatory floodplain, or Special Flood Hazard Area (SFHA), designated by the Federal Emergency Management Agency (FEMA). These flood-related risks associated with erosion, deposition, degradation, lateral migration, and avulsion created disastrous outcomes in 2013, and those outcomes may occur again in future flood events in Colorado.

The identification of fluvial hazard zones has become a high priority as Colorado recovers from the September 2013 floods and transitions toward long-term river corridor planning. Planning for erosion hazards is an essential component of effective river corridor management and the prevention of future flood damages. Broadly defined, the Fluvial Hazard Zone (FHZ) is the area a stream has occupied in recent history, could occupy, or could physically influence as it stores and transports sediment and debris during flood events.

In early 2015, Colorado's Legislature passed a funding bill for the Colorado Hazard Mapping Program, which aims to provide a mitigation and land use framework in areas likely to be affected by future flooding, erosion, and debris flow events. The fluvial hazard mapping component of the project has begun and the project Kick-off Meeting was held on March 1, 2017. The engineering firm Amec Foster Wheeler has been contracted to do the work. The program will refine mapping methodology and perform a series of pilot studies on fluvial hazards throughout the State. Map products will be available for voluntary adoption by communities by the end of June 2018. In addition to map products, a model land use code will be developed. (*Stephanie DiBetitto*)

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, which ended in January 2014, 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, a few communities have not completed the adoption or provided documentation to CWCB. There are 9 out of 252 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 is working on drafting notices of non-compliance to those remaining communities while continuing to provide outreach and technical assistance to communities. (*Stephanie DiBetitto*)

FLOODPLAIN HAZARD MAPPING UPDATE— The CWCB staff and their consultant team from AECOM continue to meet and provide support to local and county officials with community meetings within Boulder County. A Flood Risk Review meeting is scheduled for Larimer County on March 9th, 2017. These meetings allow for community officials to get a brief overview of the Colorado Hazard Mapping Program (CHAMP) as directed by SB 15-245. These meetings are also an opportunity to review and provide early input on draft versions of the floodplains prior to FEMA review. Coordination and data sharing among local communities and the CWCB will continue as other local efforts are underway. The CHAMP team will be providing an update for the March Board meeting on the wide range of coordinating activities with various partners. Hydrology and Hydraulics for year two streams is continuing with coordination with Boulder County and FEMA to address comments to draft maps. Survey is underway along the South Platte River, which will be completed this year. A Flood Risk Review meeting is tentatively scheduled with Weld County in the late spring early summer timeframe. All project information can be found at http://coloradohazardmapping.com/. (*Corey Elliott*)

FLOOD HAZARD MAPPING – PHASE II UNMODERNIZED COUNTIES— A continuing task associated with the Colorado Hazard Mapping Program (as directed by SB 15-245), the CWCB staff is gearing up proposed scoping miles for areas within rural Colorado that have been identified for having flood risk. Coordination with local communities and counties are on-going to ensure the scope aligns with their needs. Survey is scheduled to begin during the summer months of 2017. (*Corey Elliot)*

COLORADO WATERSHED RESTORATION PROGRAM UPDATE— The Colorado Watershed Restoration Program (CWRP) is designed to provide planning and project implementation funding for watershed and stream restoration and protection efforts. This includes stream management planning. The program supports applicants committed to collaborative approaches to restoring and protecting the ecological processes that connect land and water. The CWRP guidance document and application was approved by the Board in September of 2008. The Board approved revisions to the program in May 2012 and July 2015. The latest revision added Stream Management Plans as a specific grant type. Other grant types include Watershed/Stream Restoration, Flood Mitigation, and Monitoring grants.

Since 2008, the program has funded 59 projects with over $2.3 million. Every CWCB dollar contributed to the program has leveraged $4 from other local, state, and federal sources. The CWRP guidance has served as a template for several other grant programs developed since the September 2013 floods. This includes the Special Release of the CWCB Colorado Watershed Restoration Program ($1,925,000), the CWCB Senate Bill 14-179 River Restoration Program ($2,500,000), the Department of Local Affairs and CWCB Community Development Block Grant – Disaster Recovery, Watershed Resilience Program ($25,000,000), and the NRCS – CWCB Emergency Watershed Protection Program (>$60,000,000). Stream Management Plan (SMP) funding started in 2016. CWRP has funded eight applications with $455,000 over two grant cycles. CWCB staff anticipates the number of applications in this realm to increase after a methodology for prioritizing streams for SMPs is developed.

In early 2017, CWRP funded seven applications. Three applications focus on riparian area restoration on the Colorado River in Grand Junction, the Swan River near Breckenridge, and various gulches in the Waldo Canyon burn recovery area. A channel restoration project was funded in a small tributary to the Cache la Poudre River in the High Park Fire burn area. Stream management planning was funded for three applications. These include the Crystal River, the South Platte below Chatfield, and three sub-watersheds in the Upper Gunnison watershed. Staff is still deliberating over an application to assist in the formation of coalitions interested in stream management planning. (*Chris Sturm)*

CWCB – NATURAL RESOURCES CONSERVATION SERVICE (NRCS) EMERGENCY WATERSHED PROTECTION (EWP) PROGRAM UPDATE—

EWP Projects Update:

Project Update: North Fork Big Thompson

Location: North Fork of the Big Thompson, Drake, CO.

Project Sponsor: Larimer County and Big Thompson Watershed Coalition

Work in Progress/Completed Work

1. Construction of boulder cascades STA 21+00 to 19+40 completed.
2. Soil covered rip-rap bank constructed.
3. Overflow channel earthwork completed.
4. Construction of all riffles, pools, and habitat features completed

5. Boulder cascade construction between 16+60 to 15+20 in progress.
6. Cut bank stabilization STA 15+20 to 13+80 in progress.

Upcoming Work

1. Installation of bank protection
2. Installation of willow stakes and bundles
3. In-channel and floodplain habitat features
4. Boulder cascade STA 10+80 to 10+20 pad installation.

Upcoming Projects – all projects overviews may be accessed at our website.

Big Thompson River Restoration at Jasper Lake
Watershed: Big Thompson River
County: Larimer
Project Sponsor: Big Thompson Watershed Coalition

Large amounts of sediment and debris were deposited from erosion caused by the 2013 flooding and streambank erosion and sedimentation along the Big Thompson still impacts residences, businesses, structures, and bridges. The project proposes to use rip-rap and bioengineering to stabilize streambanks and in-stream structures to provide grade control. Additionally, a floodplain will be shaped to lower flood surfaces and provide areas for future sediment deposition. A low-flow channel, rock clusters, and woody material will be added to create channel complexity and enhance fish habitat, and disturbed areas will be planted with willows, trees, and shrubs, and/or will be seeded and mulched. The project is expected to be constructed with the ongoing CDOT work for permanent repairs on US Hwy 34.

Left Hand Creek Restoration – Ranch Property
Watershed: Left Hand Creek
County: Boulder
Project Sponsor: Lefthand Watershed Oversight Group

Work proposed includes extensive reconfiguration of the channel margins as functional floodplain through the construction of overflow channels and grading of a multi-stage channel. Bank reconstruction and stabilization will consist of a combination of structural (e.g., log and rock toe protection) and bioengineered (e.g., plantings) approaches to help stabilize actively eroding banks and establish a functional channel geometry. Log structures are proposed for armoring the channel banks on the outside of the prominent high energy bend. The channel profile will be graded to target equilibrium slopes and include the establishment of bedforms, including fish-passable steps, pools, and

riffles. Extensive floodplain head cutting will be stabilized with grading and revegetation, which will consist of a mix of native riparian and upland species.

Fall River Restoration – Fawn Valley
Watershed: Estes Valley
County: Larimer
Project Sponsor: Estes Valley Watershed Coalition

Continued streambank erosion and sedimentation from the 2013 flood is impacting residences, lodges, businesses, and bridges along this reach of Fall River. The project proposes to remove and rework unstable sediment to reduce flood surfaces and store future sediment, as well as remove flood debris that remains in the channel. The project will also provide bioengineering and rock toe protection to stabilize streambanks. Additionally, a low-flow channel and rock clusters will be added to create channel complexity and enhance fish habitat, and disturbed areas will be planted with willows, trees, and shrubs, and/or will be seeded and mulched.

(*Jeff Conboy*)

CWCB & OIT PROJECT COORDINATION UPDATE— The CWCB and the Governor's Office of Information Technology (OIT) will be coordinating with various stakeholders for their interest in LiDAR products. A planned acquisition is set to begin in the spring of 2017. Additionally, the CWCB and OIT are coordinating the transition of the Colorado Hazard Mapping Portal website from the AECOM team to OIT. Project planning is underway starting in January 2017. A milestone timeline will be developed to ensure a smooth and efficient transfer to OIT staff by March 2018. Currently, the CWCB staff is taking inventory of current State LiDAR data to assess overall Quality Control and Quality Assurance review prior to the data becoming public information. A path forward for an independent review process of the existing LiDAR is still ongoing. (*Corey Elliott*)

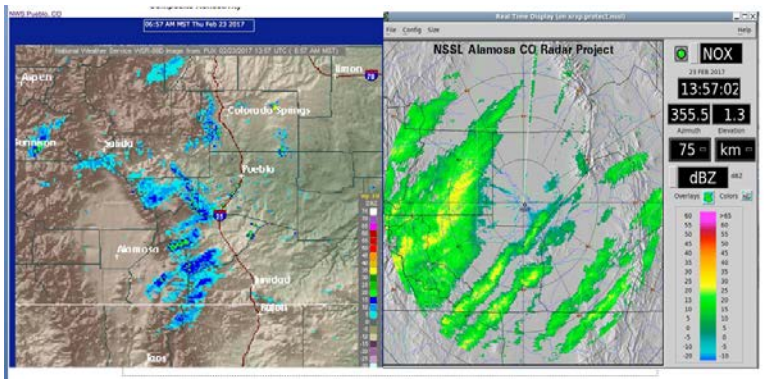
NORTHEAST COLORADO FLOOD MASTER PLAN MOVING FORWARD— The Counties of Morgan, Washington, Logan, and Sedgwick are moving forward with a flood master plan to identify and address flood issues along the South Platte River in effort to prioritize solutions. This study is being conducted through a Community Development Block Grant – Disaster Recovery (CDBG-DR) grant. This program is funded by HUD and administered on behalf of the State by the Colorado Department of Local Affairs (DOLA). CWCB Flood Section staff is serving as the Technical Lead for the State.

CDM Smith was selected as the consultant to conduct the study. A kickoff meeting was held in Sterling on February 6, 2017. At this meeting, the consultant heard from a number of stakeholders and presented the scope and schedule of the study.

As of March 2017, the primary tasks completed include initial outreach to local stakeholders and document searches for past and current studies and other efforts related to this study. (*Kevin Houck*)

SNOW SCHOOL IN SILVERTON— CWCB Staff attended Snow School for Water Managers in Silverton, CO through the Center for Snow and Avalanche Studies. Also in attendance were employees of Dolores WCD, Ridgeway Dam, USBR, Roaring Fork Conservancy District, and Prescott College. For this two day course, the mornings included lectures about global weather circulations to create weather in SW Colorado, the types of snow and atmospheric data collected, and the ongoing dust on snow monitoring program statewide. The afternoons were spent characterizing snowpack by digging snow pits. This year a positive Pacific Decadal Oscillation favored good storms in the southwest with 13 atmospheric river events that have deposited good snow. No dust events were cataloged so far but that happens as spring winds kick up in Arizona and Utah. This is an excellent educational opportunity to understand where most of Colorado's water comes from and the event takes place around this time every year. Interested parties are encouraged to contact Jeff Derry, Director of CSAS. (*Joe Busto & Erik Skeie*)

RIO GRANDE FORECASTING PROJECT UPDATE— This is the second year a NOAA mobile radar is at the Alamosa airport to collect winter weather data. This has been an excellent winter to illustrate the radar black hole that characterizes this watershed. The existing NWS Pueblo radar only sees storms from the east of the Sangre de Cristos due to beam blockage by mountains (left graphic). But once inside the basin, the weather characteristics are picked up by the mobile radar at the Alamosa airport, as shown by the image on the right from the same date. The green and yellow areas are the precipitation estimates from the radar that essentially sees most of the whole watershed.
This radar is operated for every significant winter storm to provide inputs for hydrologic modeling of the full seasonal (April through October) flows of the Conejos and Rio Grande rivers. Weather radars have many useful applications. But the primary use in this Rio Grande R&D project is to build a business case to fill in the radar gaps in Colorado and also demonstrate their utility to the water community. With weather radars, we can cover vast remote inaccessible areas and provide precipitation data for those areas used for hydrologic modeling for water supply forecasts. As part of the science to operations team, we have hoped to provide a 21st century fully coupled and operational water forecasting system. It is meant to help build confidence and accuracy in water forecasting. It is meant to divide the water within Colorado and also to meet our compact obligations. Another way to explain this is that typically about six NRCS SNOTEL sites provide all of the data for hydrologic modeling. The graphic on the right is the data we are now using for hydrologic modeling. When all the snow events are combined together, this weather radar has essentially created over 10,000 SNOTEL sites. Interest in permanent radar for all its uses is growing in the Rio Grande, and coalitions are being built for permanent weather radar in the Rio Grande. (*Joe Busto*)



~AGENCY UPDATES~

CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE— One grant application was received and approved.

- City of Walsenburg – City Lake Dam Rehabilitation Feasibility Study ($49,000) (*Anna Mauss*)

~GENERAL ATTACHMENTS~

- 01 Steam and Lake Protection De Minimis Cases
- 02 Instream Flow and Natural Lake Level Program – Summary of Resolved Opposition Cases

~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 – March 22-23, 2017 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.

Case No.	Applicant	Stream/Segment ID	ISF Amount	Injury (%)	Cumulative (%) Injury	Count
16CW3156	Town of Estes Park	Big Thompson River 1-89CW200	15 (11/1 - 4/30) 40 (5/1 - 10/31)	0.05750 0.08670	0.10700 0.21870	2
16CW3100	Glen & Pat Burgener	Bear Creek 2-80CW072	10 (1/1 - 12/31)	0.00980 0.00980	0.00980 0.00980	2
16CW3184	USA - BLM	Middle Fork South Platte River 1-80CW067	8 (10/1 - 4/30) 16 (5/1 - 9/30)	0.47140 0.00000	0.53815 0.06506	5

March 22-23, 2017 Board Meeting
Instream Flow and Natural Lake Level Program
Summary of Resolved Opposition Cases

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

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

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

A. Statements of Opposition

(1) Case No. 16CW3015 (Water Division 1) - Application of Eldora Enterprises, LLC

The Board ratified this Statement of Opposition at its May 2016 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 Boulder Creek, Jenny Creek, and South Boulder Creek by expansion of use or altering the time, place and amount of historical return flows. 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 in Division 1 that could have been injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
79CW0308^	Boulder Creek	hdgt Boulder & White Rk Ditch	75th Street bridge	1 (4/1 - 10/31)	06/01/1862
87CW0285	Jenny Creek	outlet Jenny Lake	confl South Boulder Creek	1 (1/1 - 12/31)	12/11/1987
80CW0379	South Boulder Creek	outlet Gross Res	USGS gage 06729500	15 (5/1 - 9/30) 6 (10/1 - 4/30)	12/02/1980
80CW0379	South Boulder Creek	USGS Gage 06729500	South Boulder Road bridge	2 (10/1 - 4/30) 15 (5/1 - 9/30)	12/02/1980

^ Donated/Acquired Water Right

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

- In the event that delivery of historical irrigation return flows past headgates which sweep the river requires the installation of a bypass structure or the use of an existing structure for which an agreement with a third-party is required, Eldora

shall be responsible for either installing a new bypass structure after securing the rights to install the same with adequate measuring devices as approved by the Water Commissioner or securing an agreement to use an existing structure and providing such agreement and information to the Division Engineer.

- Eldora does not request the right to and shall not divert historical irrigation season return flows at the Jenny Creek Pipeline or retain such return flows for use at the Resort. All historical irrigation season return flows shall be diverted at the Howard Ditch headgate and replicated using the Howard Ditch Diversion Return structure as set forth in paragraph 8.E above.
- The South Boulder Creek Drainage ISFs were all decreed by the CWCB before the application was filed in this Case No. 16CW3015 to change the Additional Coleman Howard Ditch 0.25 Share. Accordingly, Eldora shall divert its changed Additional Coleman Howard Ditch 0.25 Share at the Jenny Creek Pipeline only when the South Boulder Creek Drainage ISFs from the Howard Ditch headgate on South Boulder Creek, upstream to the Jenny Creek Pipeline on Jenny Creek, are satisfied and such diversions would not reduce stream flows below the decreed ISF amounts.

(2) Case No. 15CW3010 (Water Division 2) - Application of United States of America

The Board ratified this Statement of Opposition at its July 2015 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 does not injure the Board's instream flow water right on South Beaver Creek by not replacing out-of-priority depletions in the proper time, place, or amount. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water right will not be injured.

The CWCB holds the following ISF water right in Division 2 that could have been injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
80CW0077	South Beaver Creek	Rainbow Lake outlet	confl N Beaver Creek	2 (1/1 - 12/31)	05/07/1980

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

- Pursuant to C.R.S. § 37-92-305(8), the Court may authorize the Applicant to use additional or alternative sources of water for replacement in this plan for augmentation, including water leased by the Applicant, if such sources are part of a substitute water supply plan approved pursuant to C.R.S. § 37-92-308, or if such sources are decreed or lawfully available for augmentation use. Paragraph 32 of the decree sets forth the procedure under which these sources may be added to this plan. Procedures require notification and opportunity to comment or object.
- The Applicant shall notify the water commissioner prior to exercising the administrative exchanges described herein. The administrative exchange reach

extends from the location of replacement water introduced to the stream from the augmentation sources decreed herein (Dillon Well and Arapahoe Well), to the on-channel lakes to be augmented. The exchange may only operate under free river conditions and is therefore junior to CWCB's previously decreed instream flow water right on South Beaver Creek. The augmentation plan may therefore not be operated when such decreed instream flow is not met and the stream is being administered.

(3) Case No. 14CW3043 (Water Division 6) - Application of Rio Blanco Water Conservancy District

The Board ratified this Statement of Opposition at its July 2015 meeting. The Board's main objective in filing the Statement of Opposition in this case was to ensure that the Applicant's proposed augmentation use of water rights for undeclared areas does not injure the Board's instream flow water rights in the area, and to negotiate terms regarding Applicant's claim for piscatorial and "maintenance and recovery of federally listed threatened and endangered species." 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 and that CWCB's exclusive authority will be honored.

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

- Applicant agrees that the water storage right shall not be used for release and use instream for the maintenance and recovery of federally listed threatened and endangered fish species absent an agreement with the CWCB for instream flow use or other legal arrangement with an entity holding legal authority for this type of beneficial use.
- Applicant agrees that the claimed uses of piscatorial and maintenance and recovery of federally listed threatened and endangered species will be cancelled if Applicant has not entered into an agreement with Opposer or other appropriate entity or State or Federal agency for the specific use of reservoir water for these purposes within four diligence cycles from the date a decree is entered in this case.
- Applicant agrees that the use of stored water by exchange upstream of the outlet works for the reservoir, including augmentation use wherein upstream out-of-priority depletions are replaced with downstream reservoir water, shall be made only after resume notice and a new water court application that includes this augmentation source has been decreed or substitute water supply plan approved by the State and Division Engineer's Office pending a final decree. In the event an administrative exchange is sought by Applicant, Applicant shall give CWCB prior notice of such request for administrative exchange with sufficient time, if possible, for opportunity for the CWCB to propose protective terms and conditions if the exchanges extend through any instream flow reach.

B. Letters in Lieu

The following cases were resolved by Staff through negotiated letters in lieu of filing water court Statements of Opposition. This method of settlement is preferred when facts and time allow such negotiation before the Statement of Opposition period ends. In each case, CWCB staff will continue to monitor the proposed rulings and decrees. In each case, Applicant has agreed to not oppose a motion to intervene if the agreed upon terms are not included in a proposed decree. The following cases were negotiated to resolution:

(1) Case No. 16CW3019 (Water Division 3) - Application of Expo, LLC

During the November 2016 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 13CW3013 and 13CW3014 on the Alamosa River. This case was resolved with CWCB by a letter agreement, dated January 30, 2017, by which CWCB agreed not to file a Statement of Opposition provided Applicant incorporates the following into any draft and final decrees in the case:

- Applicant Expo intends to use the 12.7 acre-feet in the 14CW3027 case. However, in the event that any excess amounts of the 12.7 acre-feet arise out of Expo's 14CW3027 case, Expo might want to lease that water. The lessee may be able to use the water without a water court application and water court decree either through an SWSP, a provision in an already decreed plan that allows the addition of replacement water by a notice process which does not require a water court application, or some other lawful process.

(2) Case No. 16CW3078 (Water Division 4) - Application of Mountain Island Ranch, LLC

During the November 2016 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water right decreed in Case No. 04CW0158 on the Little Dolores River. This case was resolved with CWCB by a letter agreement, dated January 31, 2017, by which CWCB agreed not to file a Statement of Opposition provided Applicant incorporates the following terms and conditions into any draft and final decrees in the case:

- Applicant recognizes that the Colorado Water Conservation Board's existing instream flow water right decreed in Case No. 04CW0158, WD4 on the Little Dolores River was decreed prior to the filing of this Case No. 16CW3078 for change of water rights, and therefore the instream flow water rights decreed in Case No. 04CW0158 cannot be injured by such change.
- The combined diversions at the changed and alternate points of diversion shall be limited to the amount physically and legally available at the original point of diversion in terms of flow rate, volume and timing of diversions.
- This change of water right allows only changes in the points of diversion and does not authorize a change in type of use, or season of use, of the water right changed herein.

- Any diversions of the changed water rights from within the instream flow reach on the Little Dolores River shall not be increased from historical diversions.

(3) Case No. 16CW3165 (Water Division 5) - Application of Sunny Ranch, LLC

During the December 2016 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 85CW0646 and 85CW0639 on the Roaring Fork River. This case was resolved with CWCB by a letter agreement, dated February 23, 2017, by which CWCB agreed not to file a Statement of Opposition provided Applicant incorporates the following terms and conditions into any draft and final decrees in the case:

- Applicant recognizes that the Colorado Water Conservation Board's existing instream flow water rights decreed in Case Nos. 85CW0646 and 85CW0639 on the Roaring Fork River were decreed prior to the filing of this case, 16CW3165.
- The exchanges on the Roaring Fork River claimed herein are junior to CWCB's decreed instream flow water rights on Roaring Fork River in Case Nos. 85CW0646 and 85CW0639. These exchanges shall not be operated when such decreed instream flows are not met and the stream is being administered.
- At times when CWCB is using its acquired water right on the Roaring Fork River between Maroon Creek and the Fryingpan River, decreed in Case No. 10CW0184 (originating from the Stapleton Brothers headgate on Maroon Creek), such acquired instream flow water cannot be used for this exchange.
- When adequate augmentation water is not available in the proper time, place and amount, Applicant will cease storing and release water from Becca's Lake (a/k/a Eastwick Reservoir) to offset any out-of-priority depletions."
- Applicant will compute evaporation every month, including November, December, January and February and will include such calculations in its current Table 1, Open Water Surface Evaporation Calculation, to be included in the decree. Table 1 will be labeled as an "example scenario" with a footnote that all out-of-priority depletions will be augmented or curtailed as the calls actually occur.

(4) Case No. 16CW3176 (Water Division 5) - Application of JPO Ranch, LLC

During the December 2016 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 11CW0160 and 11CW0161 on the Colorado River and Case No. 86CW0229 on the Piney River. This case was resolved with CWCB by a letter agreement, dated January 24, 2017, by which CWCB agreed not to file a statement of opposition provided Applicant incorporates the following terms and conditions into any draft and final decrees in the case:

- Applicant recognizes that the Colorado Water Conservation Board's existing instream flow water rights, decreed in Case No. 88CW229 on the Piney River and Case Nos. 11CW160 and 161 on the Colorado River, were decreed prior to the filing of this case, 16CW3176.

- The diversion at the changed places of storage shall be limited to the amount physically and legally available at the original points in terms of flow rate, volumes, and timing of diversions.
- Applicant will not exceed the overall amount of use, as changed by this application, from the historical use for the storage rights involved herein. Historical consumption of the storage rights consisted of stockwater and evaporation only, therefore consumptive use of the water at the changed places of storage is likewise limited to stockwater and evaporation.

(5) Case No. 16CW3179 (Water Division 5) - Application of Patrick J. Martin

During the December 2016 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 80CW0124 and 80CW0126 on the Eagle River. This case was resolved with CWCB by a letter agreement, dated February 27, 2017, by which CWCB agreed not to file a Statement of Opposition provided Applicant incorporates the following terms and conditions into any draft and final decrees in the case:

- Applicant recognizes that the Colorado Water Conservation Board's existing instream flow water rights on the Eagle River, decreed in Case Nos. 80CW124 and 80CW0126, District Court, Water Division No. 5, were decreed prior to the filing of this Case No. 16CW3179.
- The Martin Ditch Wolford Mountain Reservoir Exchange and the Martin Ditch Ruedi Reservoir Exchange confirmed herein are junior to CWCB's previously decreed instream flow water rights on the Eagle River in Case Nos. 80CW124 and 80CW0126 and will not be operated when such instream flows are not met and the river is being administered for the benefit of these CWCB water rights within the exchange reach.
- The Martin Pond System is a flow through system that does not or will not intercept groundwater. The Applicant will include a flow-through schematic map in the proposed and final decree.

(6) Case No. 16CW3180 (Water Division 5) - Application of Timber Springs Metropolitan District

During the December 2016 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 80CW0124 and 80CW0126 on the Eagle River. This case was resolved with CWCB by a letter agreement, dated February 27, 2017, by which CWCB agreed not to file a statement of opposition provided Applicant incorporates the following terms and conditions into any draft and final decrees in the case:

- Applicant recognizes that the Colorado Water Conservation Board's existing instream flow water rights on the Eagle River, decreed in Case Nos. 80CW124 and 80CW0126, District Court, Water Division No. 5, were decreed prior to the filing of this case, Case No. 16CW3180.
- The Timber Springs Entrance Diversion Wolford Mountain Reservoir Exchange and the Timber Springs Entrance Diversion Ruedi Reservoir Exchange claimed herein are junior

to CWCB's previously decreed instream flow water rights on the Eagle River in Case Nos. 80CW124 and 80CW0126 and will not be operated when such instream flows are not met and the river is being administered for the benefit of these CWCB water rights within the exchange reach.

- Applicant will modify Table 1 to be labeled as "an example scenario" with a footnote that "pursuant to C.R.S. § 37-92-305(8)(c), the state engineer shall curtail all out-of-priority diversions, the depletions from which are not so replaced as to prevent injury to vested water rights."

(7) Case No. 16CW3034 (Water Division 6) - Application of Rio Blanco Water Conservancy District

During the December 2016 Water Court Resume Review, CWCB staff identified concerns similar to Rio Blanco WCD's pending water court Case No. 14CW3043 regarding CWCB's exclusive authority. This case was resolved with CWCB by a letter agreement with the same term agreed to in Case No. 14CW3043, dated December 19, 2016, by which CWCB agreed not to file a statement of opposition provided Applicant incorporates the following term and condition into any draft and final decrees in the case:

- Neither the Rangely Power Conduit water right or the Taylor Draw Reservoir storage right shall be used or released for instream piscatorial use absent an agreement with the CWCB for instream flow use or other legal arrangement with an entity holding legal authority for this type of beneficial use.

(8) Case No. 16CW3058 (Water Division 6) - Application of Yampa Valley Land Trust

During the December 2016 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water right decreed in Case No. 77W1301 on Harrison Creek. This case was resolved with CWCB by a letter agreement, dated March 6, 2017, by which CWCB agreed not to file a Statement of Opposition provided Applicant incorporates the following terms and conditions into any draft and final decrees in the case:

- Applicant recognizes that the Colorado Water Conservation Board's existing instream flow water right decreed in Case No. 77CW1301 on Harrison Creek was decreed prior to the filing of the application for a change of water right in this case, 16CW3058. The changed water rights were originally decreed in the June 5, 1913 adjudication and Case No. CA3926 and retain their original administrative priority dates.
- YVLT will limit irrigation and stockwater use of the Remaining Rights to the 5.1 acres shown on Exhibit A. YVLT will also limit domestic use of the Remaining Rights to the two structures depicted on Exhibit A, as well as any replacement structures for these two structures.
- Nothing in this decree prevents the State and Division Engineers from curtailing diversions of the Remaining Rights that the Engineers determine to be wasteful.

(9) Case No. 16CW3034 (Water Division 7) - First Amended Application of Bootjack Ranch, LLC

During the November 2016 Water Court Resume Review, CWCB staff identified concerns with this amended application in a case in which it had already secured a letter in lieu agreement. Staff's concern in this case is similar but modified by the amended application, regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 80CW0037 on the East Fork San Juan River and 80CW0040 on the San Juan River. This case as amended was resolved with CWCB by a letter agreement, dated January 31, 2017, by which CWCB agreed not to file a statement of opposition provided Applicant incorporates the following terms and conditions into any draft and final decrees in the case:

- Applicant recognizes that the Colorado Water Conservation Board's existing instream flow water rights decreed in Case Nos. 80CW37 and 80CW41, WD7 on the East Fork of the San Juan River and the San Juan River were decreed prior to the filing of this Case No. 16CW3034.
- Releases to the East Fork of the San Juan River from the Bootjack South Augmentation Pond via a pipeline or ditch shall accrue at or upstream of the structure and water rights to be augmented, known as the W.B. Turner Alternate Pumpsite No. 2 Enlargement, when necessary to prevent injury to CWCB's ISF water right on the East Fork decreed in Case No. 80CW37, or else the water rights shall be curtailed.
- When the impacted instream flow water right is being administered and releases from Applicant's upstream augmentation pond are insufficient to replace out-of-priority diversions, Applicant shall curtail the diversions to be augmented herein, including the W.B. Turner Alternate Pumpsite No. 2 Enlargement to the BFR Pond and the WGA Pond, and the W.B. Turner Alternate Pumpsite No. 2 Enlargement to the Bootjack South Augmentation Pond.
- CWCB may use the existing Division of Water Resources' gage on the East Fork of the San Juan River, if operational, to place a call against these water diversions. At any time, either party may propose to install a stream gage on the East Fork within the ranch above the East Fork's Confluence with the West Fork of the San Juan River, and if acceptable to DWR, such a gage shall become the device by which the instream flows are measured. This term does not constitute Applicant's consent for the installation of such a gage. The installation of a stream gage on the Ranch other than at the existing location shall only occur with the express written consent of the Applicant.

COLORADO
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John Hickenlooper, Governor

Robert Randall, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members

FROM: Kirk Russell, P.E., Deputy Director

DATE: March 22-23, 2017 Board Meeting

Directors Report: Water Project Loans
Interest Rates

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

The current rates for a 30-year term are as follows:
1.70% - Agricultural
2.40% - Low-income Municipal
2.75% - Middle-income Municipal
3.10% - High-income Municipal
6.00% - Commercial
2.00% - Hydroelectric

The standard loan term is 30 years. Rates are reduced by 0.25% for 20-year loans, and by 0.80% for 10-year loans.

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

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John Hickenlooper, Governor

Robert Randall, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members

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

DATE: March 22-23, 2017 Board Meeting

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

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

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

Prequalified Project List

BORROWER	PROJECT NAME	APPLICATION DATE	BASIN	PROJECT DESCRIPTION	PROJECT COST/LOAN AMOUNT
Previously Approved Applications					
Town of Wiggins	Augmentation Project	Jan 1, 2017	South Platte	The Town plans to purchase two properties and 20 shares of the Fort Morgan Ditch to expand its augmentation portfolio.	$4,500,000
Grand Valley Drainage District	Buthorn Drain	Jan 1, 2017	Colorado	The District identified the Buthorn Drain as its top capital improvement project need to address irrigation return flows and stormwater conveyance.	$5,000,000
Upper Platte & Beaver Canal Company	Upper Platte & Beaver Canal Diversion Structure	Sept 1, 2016	South Platte	The purpose of this project is to replace the existing diversion structure that diverts water for both the Upper Platte & Beaver Canal Company and the Deuel & Snyder Improvement Company.	$7,412,000
Town of Aguilar	Augmentation Project	July 1, 2016	Arkansas	The Town is proposing construction of a 99 AF augmentation reservoir to replace out-of-priority depletions as a result of the Town's overuse of alluvial wells.	$2,800,000
Florida Consolidated Ditch Company	Hess Lateral Improvement Project	July 1, 2016	Southwest	The purpose of this project is to pipe the lateral to improve efficiencies within the ditch system. The company will also receive $950K in CDOT funds as a part of the Hwy 550 expansion project.	$2,500,000
Totals					$22,212,000

The Finance Section also compiles a list of potential borrowers/projects for the Water Project Loan Program. This list represents borrowers that have contacted the CWCB about a potential need for funding but have not submitted a loan application and loan feasibility study.

South Platte River Basin

Borrower	Project	Potential Loan Amount
NISP Participants	NISP	$100,000,000
Colorado Trout Group	Reservoir Rehabilitation	$300,000
Central CO WCD	Pipeline Project	$4,000,000
Parker Water & Sanitation District	Water Meter Project	$5,000,000
Metro Homeowners Association	Water Meter Project	$300,000
Henrylyn Irrigation District	Reservoir Rehabilitation	$6,000,000
Bijou Irrigation District	Reservoir Rehabilitation	$600,000
Left Hand Water District	Water Rights	$6,000,000
Subtotal		**$122,200,000**

Arkansas River Basin

City of Walsenburg	Reservoir(s) Rehabilitation	$6,000,000
Stonewall Springs, LLC	Reservoir Construction	$5,500,000
Colorado Springs Flycasting Club	Reservoir Rehabilitation	$450,000
Oxford Ditch	Siphon Repair	$1,800,000
Town of Manitou Springs	Raw Water Pipeline	$3,000,000
City of Woodland Park	Storage Project	$1,000,000
Security Water & San District	Water Supply Project	$3,000,000
Subtotal		**$20,750,000**

San Miguel/San Juan River Basin

Town of Norwood	Dual Water System	$1,000,000
Town of Bayfield	Ditch Piping	$500,000
San Juan Water Conservancy District	Land Acquisition	$2,000,000
Subtotal		**$3,500,000**

Colorado River Basin

Kendall Reservoir	Reservoir Rehabilitation	$400,000
Private Borrower	Reservoir Rehabilitation	$250,000
Subtotal		**$650,000**

Gunnison River Basin

Gunnison County Electric	Hydroelectric Project	**$1,000,000**

Rio Grande Basin

•Manasa Land & Irrigation Co.	Ditch Rehabilitation	$6,000,000
•Baca Grande Water and San District	Water Rights Purchase	$1,000,000
•Sanchez Ditch and Reservoir Co.	Dam Rehabilitation	$4,000,000
•Rio Grande WCD	Water Rights Purchase	$5,000,000
•Trinchera Water Conservancy District	Water Rights	$2,000,000
•**Subtotal**		**$18,000,000**

Yampa River Basin

•Town of Oak Creek	Reservoir Rehabilitation	**$500,000**

North Platte Basin

•No projects at this time

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John Hickenlooper, Governor

Robert Randall, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members

FROM: Anna Mauss, P.E., Loan Program Marketing
Kirk Russell, P.E., Deputy Director

Board Meeting: March 22-23, 2017 Board Meeting

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

The CWCB Loan Program has Substantially Completed twenty (20) projects in Fiscal Year 2016/2017 as shown in Table 1. There are currently forty-six (46) projects authorized to receive loan funding totaling $248 million. There are forty (40) projects currently under contract and in the Design and Construction phase totaling $156.7 million. There were an additional eleven (11) Emergency Loans Substantially Completed Fiscal Year 2016/2017 totaling $9 million and an additional six (6) Emergency Loan projects under contract totalling $7.6 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	Greeley and Loveland Irrigation Co.	Irrigation System Improvements	Larimer	$3,745,080	7/1/2016 (a)
2	Boxelder Basin Regional Stormwater Authority	East Side Detention Facility	Larimer/Weld	$7,171,000	7/1/2016 (b)
3	Boxelder Basin Regional Stormwater Authority	County Road 52 Culvert	Larimer/Weld	$818,100	7/1/2016
4	Lake Canal Reservoir Company	North Gray Reservoir Rehabilitation	Larimer/Weld	$204,298	7/1/2016 (c)
5	Louden Irrigating Canal & Res. Co.	Emergency Diversion Structure Repair	Larimer	$126,250	7/1/2016
6	Boxelder Basin Regional Stormwater Authority	Larimer & Weld Canal Crossing Structure	Larimer/Weld	$1,010,000	8/1/2016
7	Prairie Ditch Company	Plaza Phase 3: Prarie Ditch Imp. Project	Rio Grande	$131,300	8/1/2016
8	Farmers Pawnee Canal Company	Diversion Structure Replacement	Logan	$2,067,470	9/1/2016
9	Northern Colorado WCD	Granby Hydropower Project	Grand	$5,135,183	10/1/2016
10	Pisgah Reservoir and Ditch Company	Mount Pisgah Dam/Wrights Res Rehabilitation	Teller	$990,176	10/1/2016 (d)

11	Bow Mar Water & Sanitation Dist.	Rehabilitation and Replacement of Water Meters	Arapahoe/Jefferson	$332,795	11/1/2016
12	Union Well Augmentation Group	Union Reservoir Water Rights Purchase	Weld	$227,250	11/1/2016
13	Ephraim Ditch Company	Ephraim Diversion and Headgate Rehabilitation	Rio Grande	$101,000	11/1/2016
14	Parkville Water District	Evans Res. Bypass Flume Project	Lake	$181,800	12/1/2016
15	City of Cortez	Water Meter Replacement	Montezuma	$858,500	12/1/2016
16	Cottonwood W&S District	WISE – ECCV Pipeline Purchase	Douglas/Arapahoe	$342,921	1/1/2017
17	Inverness W&S District	WISE – ECCV Pipeline Purchase	Douglas/Arapahoe	$1,845,270	1/1/2017
18	Gypsum, Town of	LEDE Ditch and Reservoir Rehabilitation	Eagle	$2,689,731	1/1/2017 (e)
19	Plum Valley Heights Subdistrict	Raw Water Supply Project	Douglas	$2,248,260	2/1/2017
20	Julesburg Irrigation District	Reconstruction of the Harmony No. 1 Dam Structure	Sedgwick	$203,616	3/1/2017
			Total:	$30,430,000	

Fiscal Year 2016/2017 has added or preserved 17,246 AF of reservoir storage [(a) 12,925, (b) 1,800, (c) 75, (d) 2,192, (e) 254]

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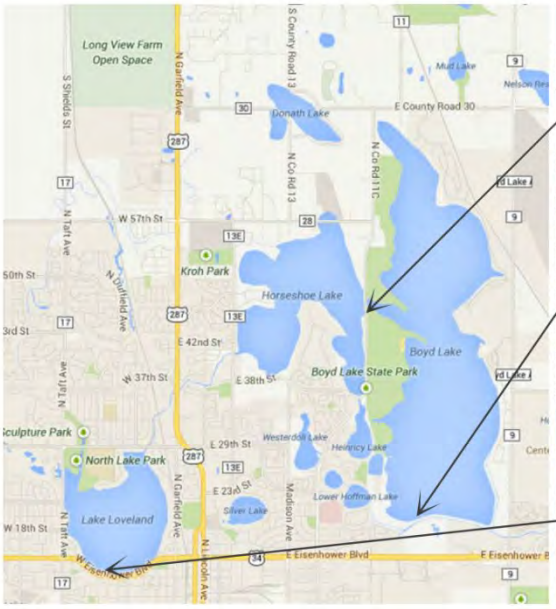
Irrigation System Improvements

Greeley and Loveland Irrigation Company

Substantially Complete July 1, 2016




Completed Horseshoe Lake High-Level Outlet


Completed Boyd Lake High-Level Outlet


Lake Loveland Sand Removal Project

Project Description

The Greeley and Loveland Irrigation Company (Company) is a mutual ditch company established in 1900. Together with the Seven Lakes Reservoir Company they own and operate nine reservoirs and control the Greeley and Loveland Canal.

Boyd Lake, owned by the Company, is the largest reservoir in the irrigation system and has a surface area of 1,750 acres with a storage capacity of 48,871 acre-feet. The Boyd Lake project replaced the high-level reservoir inlet and outlet from the Greeley and Loveland Irrigation Canal so that the Company can discharge water into Boyd Lake for storage during low reservoir levels, or discharge water back into the canal for deliveries during high reservoir levels. This project was completed in May 2015

Horseshoe Lake, owned by Seven Lakes, has a surface area of 650 acres and a storage capacity of 8,115 acre-feet. The Horseshoe Lake project replaced the high-level outlet in order to increase the conveyance capability from Horseshoe Lake into Boyd Lake to 1,100 cfs, at higher reservoir levels, so the Company and Seven Lakes can more efficiently provide irrigation water to shareholders. This project was completed in March 2016.

Lake Loveland, owned by the Company, had a significant amount of sand and silt deposited during the September 2013 flood and subsequent irrigation seasons. In order to ensure water could continue to flow into the lake, and therefore into Horseshoe Lake and Boyd Lake as well, construction crews removed 24,821 CY of material adjacent to the lake's inlet. This project was completed in March 2016.

P R O J E C T D A T A		
Sponsor: Greeley & Loveland Irrigation Company	*County:* Larimer	*Water Source:* Big Thompson River
Type of Loan: Reservoir Rehabilitation	*Board Approval Date:* September 2013	
Terms of Loan: $3,745,080 at 2.15% for 30 years		
Design Engineer: URS Corporation/AECOM		
Contractor: Moltz Constructors (Boyd & Horseshoe projects), Coulson Excavating (Lake Loveland)		
Project Elements: (2) High-level reservoir outlet replacements, 300 LF spillway conduit, concrete ditch lining, concrete outlet 24,821 sand removal		

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East Side Detention Facility

Boxelder Basin Regional Stormwater Authority

Substantially Complete July 1, 2016

Project Description

The Boxelder Basin Regional Stormwater Authority was formed in 2008, through an IGA between the City of Fort Collins, Larimer County and the Town of Wellington, to facilitate the construction of regional stormwater improvements to reduce the threat of flooding and remove areas from the FEMA floodplain in the Boxelder Creek basin. The East Side Detention Facility is a key component in the Authority's master plan. The detention facility provides 1,800 AF of detention storage and will decrease downstream flows from approximately 6,700 cfs to 2,400 cfs. The reduced flow rate will allow 100-year flows to be contained in the current cross-section of Boxelder Creek and will eliminate the flow that occurs in the 100-year flood plain below the proposed detention facility. Due to the location of and inherent integration required with the authority's adjacent Country Road 52 project (CWCB Loan Contract CT15-069), these two projects were bid as one construction contract. Construction commenced in August 2015 and was Substantially Completed in July 2016.

P R O J E C T D A T A		
Sponsor: Boxelder Basin Regional Stormwater Authority	*County:* Larimer	*Water Source:* Boxelder Creek
Type of Loan: Flood Control	*Board Approval Date:* May 2013	
Terms of Loan: $7,171,000 at 3.0% for 15 years		
Design Engineer: Ayres Associates		
Contractor: Dietzler Construction Corporation		
Project Elements: ~9,000 LF Flood Control Dam (1,800 AF Capacity), 425 LF of a 17'5"x6' Box Culvert		

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County Road 52 Improvements

Boxelder Basin Regional Stormwater Authority

Substantially Complete July 1, 2016

Project Description

The Boxelder Basin Regional Stormwater Authority was formed in 2008, through an IGA between the City of Fort Collins, Larimer County and the Town of Wellington, to facilitate the construction of regional stormwater improvements to reduce the threat of flooding and remove areas from the FEMA floodplain in the Boxelder Creek basin. The County Road 52 Improvement Project was the installation of box culverts under County Road 52 to reduce roadway overtopping in a 100-year storm event. Due to the location of and inherent integration required with the authority's adjacent East Side Detention Facility project (CWCB Loan Contract CT15-070), these two projects were bid as one construction contract. Altogether, these projects are expected to reduce downstream flows in Boxelder Creek from over 7,000 cfs to less than 2,400 cfs during a 100-year storm event. The reduced flow rate will allow 100-year flows to be contained in the current cross-section of Boxelder Creek and will eliminate the flow that occurs in the 100-year flood plain below the proposed detention facility. Construction commenced in August 2015 and was Substantially Completed in July 2016.

P R O J E C T D A T A		
Sponsor: Boxelder Basin Regional Stormwater Authority	*County:* Larimer	*Water Source:* Boxelder Creek
Type of Loan: Flood Control	*Board Approval Date:* January 2014	
Terms of Loan: $818,100 at 2.50% for 15 years		
Design Engineer: Ayers Associates		
Contractor: Dietzler Construction Corporation		
Project Elements: (4) 20'x4' Box Culverts, utility line relocations		

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Department of Natural Resources

North Gray Reservoir Rehabilitation

Lake Canal Reservoir Company

Substantially Complete July 1, 2016

Project Description

The Lake Canal Reservoir Company obtained a CWCB loan to construct a new spillway on North Gray Reservoir. The reservoir was under a storage restriction by the Office of the State Engineer (SEO) due to the inadequacy of the old spillway. The old spillway was a corrugated metal pipe that had corroded through.

The original project was to abandon the old spillway and construct a new spillway between North and South Gray Reservoirs. The Project scope increased due to additional video inspection of existing structures and in coordination with the Boxelder Basin Regional Stormwater Authority's East Side Detention Facility flood control project. During final design, a video inspection of North Gray Reservoir's existing outlet pipe and the interconnect pipe between North and South Gray Reservoirs showed both structures were in need of repair. As this presented a new dam safety concern, the Company determined to add the abandonment of the existing outlet and the replacement of the interconnect structure to the Project scope so it could be completed at the same time as the original spillway project. The new interconnect structure is now used as North Gray's outlet. The Project was successfully completed in April 2016.

P R O J E C T D A T A		
Sponsor: Lake Canal Reservoir Company	*County:* Larimer & Weld	*Water Source:* Box Elder Creek
Type of Loan: Reservoir Rehabilitation	*Board Approval Date:* September 2011	
Terms of Loan: $204,298 at 2.10% for 30 years		
Design Engineer: Smith Geotechnical Engineering Consultants		
Contractor: Dietzler Construction Corporation		
Project Elements: Abandonment of old outlet works, new outlet structure with 18" diameter HDPE pipe (interconnect structure), and new 80 LF spillway		

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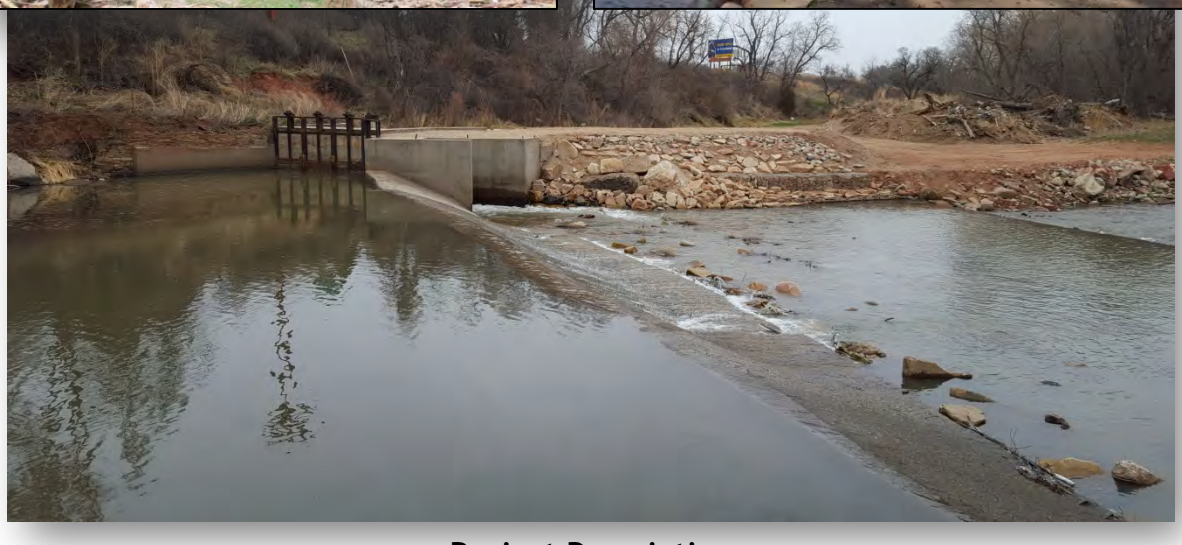
Emergency Diversion Structure and Ditch Repair

Louden Irrigating Canal & Reservoir Company

Substantially Complete July 1, 2016



Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged, including the Company's river diversion. The ditch was diverting water as the September storm started. As the flood progressed, the headgates could not be safely reached for operations. Water overtopped the headgate structure by at least 4 feet resulting in damage to the headgate and ditch system. The first 3,000 feet of the ditch were totally filled with silt and debris. The ditch breached back to the river in two places and undercutting caused slides that threatened the ditch. Construction work included cleaning out the ditch, rebuilding the ditch with concrete blocks, rebuilding the service road, and cleaning and rehabilitating the diversion headgates. The work was completed in time to deliver water by the 2014 irrigation season. Remaining funds were left available should additional repairs be necessary. However, those items were ultimately paid using Company cash.

P R O J E C T D A T A		
Sponsor: Louden Irrigating Canal & Reservoir Company	*County:* Larimer	*Water Source:* Big Thompson
Type of Loan: Ditch Rehabilitation	*Board Approval Date:* May 2014	
Loan Terms: (Original) $161,600 @ 2.70% for 30 years *(Final)* $126,250 @ 2.70% for 30 years		
Design Engineer: Telesto Solutions, Inc		
Contractor: Lee Nauta, John Moen		
Project Elements: Ditch and headgate cleanout from flood debris and sediment.		

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Department of Natural Resources

Larimer & Weld Canal Crossing Structure Project

Boxelder Basin Regional Stormwater Authority

Substantially Complete August 1, 2016

Project Description

The Boxelder Basin Regional Stormwater Authority was formed in 2008, through an IGA between the City of Fort Collins, Larimer County and the Town of Wellington, to facilitate the construction of regional flood control projects to reduce the threat of flooding and remove areas from the FEMA floodplain in the Boxelder Creek basin. The crossing structure provides conveyance for 100-year flows from Boxelder Creek across the Larimer and Weld Canal in a safe and controlled manner. Previously the Boxelder Creek 100-year flows inundated the Larimer and Weld Canal, causing it to overflow west of I-25 into the Cooper Slough drainage within the City of Fort Collins. The crossing structure is made up of a side-flow spillway and erosion control features to allow flood flows to safely pass over and across the canal. Construction started in December 2015 and was completed in April 2016.

P R O J E C T D A T A		
Sponsor: Boxelder Basin Regional Stormwater Authority	*County:* Larimer	*Water Source:* Boxelder Creek
Type of Loan: Flood Control	*Board Approval Date:* May 2013	
Terms of Loan: (Original $1,010,000 at 2.75% for 15 years *(Final)* $835,104.53 @ 2.75% for 15 years		
Design Engineer: Ayres Associates		
Contractor: Crossfire, LLC		
Project Elements: Spillway construction, erosion control consisting of: gabion mattress, turf reinforcement mat (TRM), riprap, and articulated concrete block (ACB) mat		

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Colorado Water Conservation Board
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Plaza Project Phase 3: Prairie Ditch Implementation Project

Prairie Ditch Company

Substantially Complete August 1, 2016

Project Description

The Plaza Project is a multi-phased project intended to improve the health and function of the Rio Grande River in the Sevenmile Plaza area through stream bank restoration, wetland restoration, and the replacement of aging and inefficient diversion and headgate structures. Phase 1 was a planning phase and identified several diversion and headgate structures in need of replacement. Phase 2 (McDonald Ditch Implementation Project) was the Plaza Project's first implementation project and was funded in part with a CWCB Loan and WSRF grant. Phase 3 is the second implementation project and the subject of this loan. Project Tasks include the final engineering design and construction of the new Prairie Ditch diversion and headgate, as well as stream bank stabilization, monitoring, outreach, and education. Project was funded in part with this CWCB Loan to the ditch company and a WSRF grant to the Colorado Rio Grande Restoration Foundation.

P R O J E C T D A T A		
Sponsor: Prairie Ditch Company	*County:* Rio Grande	*Water Source:* Rio Grande River
Type of Loan: Ditch Rehabilitation	*Board Approval Date:* May 2014	
Terms of Loan: $131,300 at 1.25% for 10 years		
Design Engineer: Riverbend Engineering, LLC & Natural Resources Conservation Service (NRCS)		
Contractor: Robins Construction		
Project Elements: 120 LF grouted boulder diversion dam, trash rack structure, (4) slide headgates and structure, (1) radial sluice gate, structure and channel, headgate automation		

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Department of Natural Resources

Diversion Structure Replacement Project

Farmers Pawnee Canal Company

Substantially Complete September 1, 2016

Project Description

The Company provides irrigation water to a 10,000 acre service area, extending from one mile south of Merino to four miles north of Sterling along the west side of the South Platte River. The Company's diversion structure is 218-foot long rollover diversion dam that spans the width of the river. Adjacent to the dam is the Company's 40-foot canal headgate structure. Both structures were originally built in 1926. After the September 2013 flood, the river began to undermine the structures. Attempts to repair the structures with additional steel sheet piling and concrete were not successful and the undermining worsened. The Company rebuilt the diversion dam and canal headgate. Replacement of the diversion`n dam provides the Company with an opportunity to utilize an improved design and alleviate ongoing maintenance issues from sand accumulation within the canal.

P R O J E C T D A T A		
Sponsor: Farmers Pawnee Canal Company	*County:* Logan	*Water Source:* South Platte River
Type of Loan: Diversion Structure	*Board Approval Date:* May 2014	
Terms of Loan: $2,067,470 at 1.75% for 30 years		
Design Engineer: Gauthiere Engineering, Inc.		
Contractor: Concrete Specialties and Utilities		
Project Elements: Replacement of river diversion structure, replacement of ditch headgate structure installation of hydraulic bladders and controls		

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Granby Hydropower Project

Northern Colorado Water Conservation District

Substantially Complete October, 2016

Project Description

Northern Water, acting by and through its hydropower enterprise, received a loan for the construction of the Granby Hydropower Project. The Project is located at the existing Colorado - Big Thompson Project Granby Dam and utilizes the existing releases to the Colorado River without changing the flow regime. The hydro station will use the minimum streamflow obligations and a portion of additional releases to generate power through a 1.2 megawatt facility. The Project is being operated under the U.S. Bureau of Reclamation's Lease of Power Privilege (LOPP) process. Power generated is purchased by Mountain Parks Electric, Inc. per a 30-year Power Purchase Agreement (PPA). The Project was completed and generating power by May 2016.

PROJECT DATA		
Sponsor: Northern Colorado Water Conservancy District, Hydropower Enterprise	*County:* Grand	*Water Source:* Colorado River
Type of Loan: Hydroelectric	*Board Approval Date:* May 2014	
Terms of Loan: $5,135,183.00 at 2.0% for 30 years		
Design Engineer: CH2M		
Contractor: Aslan Construction		
Project Elements: (2) 600 kilowatt Francis turbines, 70'x26' powerhouse		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Mt. Pisgah Dam/Wrights Reservoir Outlet Works Rehabilitation Project

Pisgah Reservoir and Ditch Company

Substantially Complete October 1, 2016

Project Description

The Pisgah Reservoir and Ditch Company received a CWCB Loan and a $161,345 WSRF grant to rehabilitate Pisgah Dam at Wrights Reservoir per the State Engineer's Office direction. The Project goal was to improve the safety and operation of the dam's low level outlet works and properly abandon the dam's original outlet conduits. Phase 1 was to properly abandon the old outlet works by injecting the old conduit with grout. Phase 2 was the installation of an upstream gate to allow for an unpressurized outlet when closed. Phase 3 was the replacement of the outlet works including gate valves, operators, and stems; new hydraulic controls and piping; replacing the access ladder and valve operator building; and concrete tunnel repairs. Phases 2 and 3 were successfully completed. The success of Phase 1 has yet to be determined and the Company plans on additional engineering and monitoring to determine if additional mitigation work is needed. Future work on Phase 1 will be completed with Company funds unless Project costs greatly exceed current estimates, thus necessitating a new loan.

P R O J E C T D A T A		
Sponsor: Pisgah Reservoir and Ditch Company	*County:* Teller	*Water Source:* Fourmile Creek
Type of Loan: Reservoir Rehabilitation	*Board Approval Date:* September 2012	
Terms of Loan: $1,172,261 at 1.75% for 30 years *(Original)* 990,176.11 *(Final)*		
Design Engineer: RJH Consultants, Inc.		
Contractor: Inland Potable Services, Inc.		
Project Elements: Grouting of (2) 16" dia pipe, 30"x30" sluice gate (underwater construction), (2) 24" knife gate, tunnel grout repairs, hydraulic control piping, valve house construction.		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Rehabilitation and Replacement of Water Meters

Bow Mar Water and Sanitation District
Substantially Complete November 1, 2016

Project Description

The Bow Mar Water & Sanitation District is a master meter distributer for Denver Water located just south of Denver. The District received loan funding for the planned rehabilitation and replacement of water meters throughout the subdivision service area.

The purpose of the project was to replace or rehabilitate the existing meters, which currently under-report actual usage due to age and wear. The meter replacement/rehabilitation program replaced 233 meters, rehabilitated 60 existing meters by replacing the meter register to accommodate automatic meter reading, and updated the District's billing system to accommodate automatic meter reading.

PROJECT DATA		
Sponsor: Bow Mar Water and Sanitation District	*County:* Arapahoe & Jefferson	*Water Source:* Denver Water (Master Meter)
Type of Loan: Water Meters	*Board Approval Date:* March 2015	
Loan Terms: 2.65% for 10 years (Original) $332,795 (Final) $331,407.15		
Design Engineer: ENS Consulting, LLC		
Contractor: Levi Contractors, Inc.		
Project Elements: Water meter rehabilitation and replacement		

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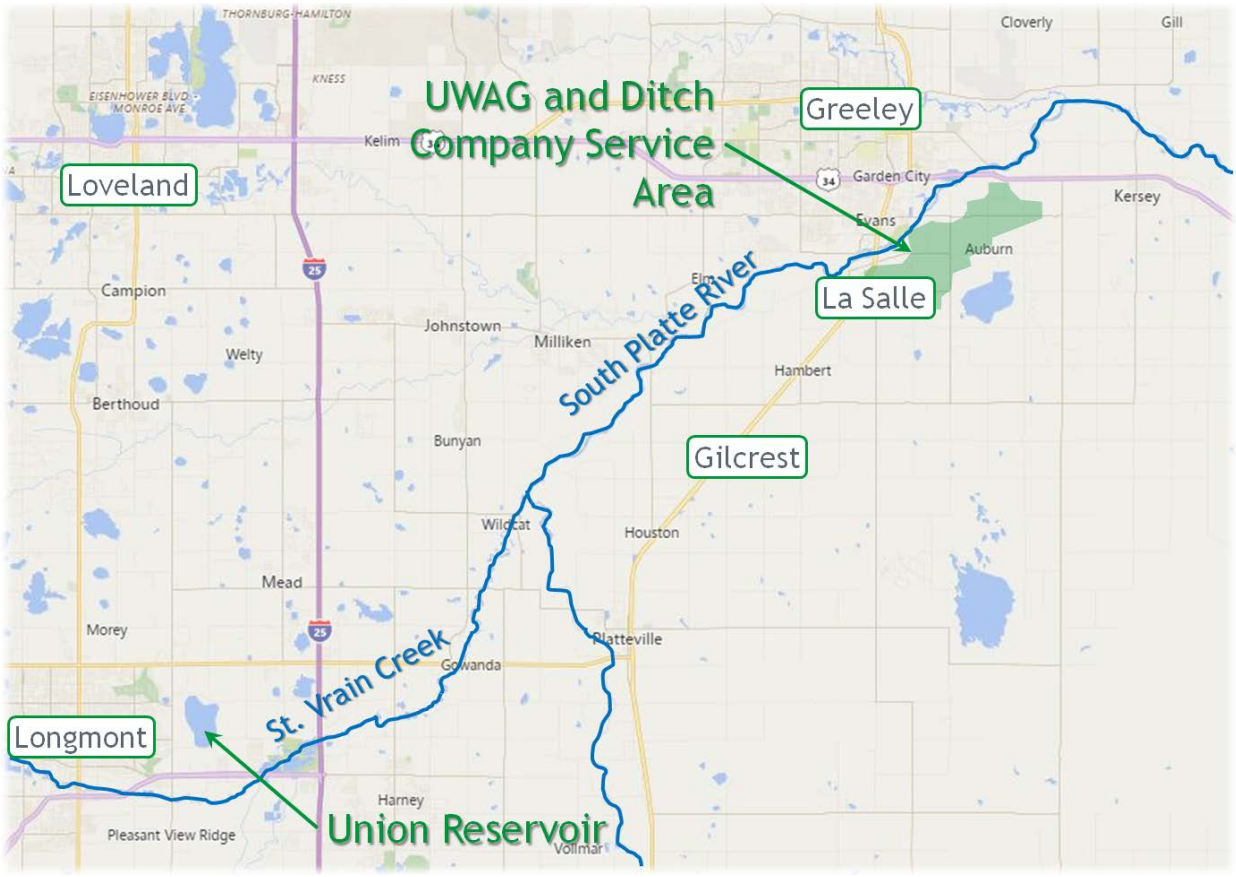
Union Reservoir Water Rights Purchase

Union Well Augmentation Group

Substantially Complete November 1, 2016



Project Description

The Union Well Augmentation Group provides augmentation water for well owners of the Union Ditch Company, providing supplemental irrigation water to 29 wells covering 2,200 acres. The Company covers an average of 4 AF of well depletions per year.

The Augmentation Group purchased 2.0 shares of the Union Reservoir Company with this loan. The Augmentation Group will use these shares in the augmentation plan via a lease with the City of Longmont where Longmont will use the 2 shares and in return the Augmentation Group will receive the city's effluent, which is approved for use in the augmentation plan. The water right analysis shows each share to have an average historical consumptive use of 7.65 AF per share, along with the ability to store and regulate the average annual divertible yield of 15.3 AF per share.

P R O J E C T D A T A		
Sponsor: Union Well Augmentation Group	*County:* Weld	*Water Source:* South Platte
Type of Project: Water Rights Purchase	*Board Approval Date:* May 2016	
Loan Terms: 1.45% for 20 years *(Original)* $248,157 *(Final)* $227,500		
Design Engineer: TZA Water Engineers		
Contractor: NA		
Project Elements: Purchase of (2) Union Reservoir Company shares		

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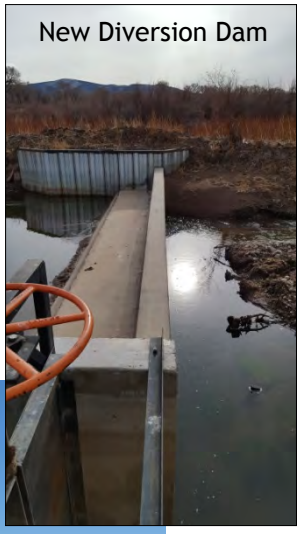
Ephraim Diversion and Headgate Rehabilitation

Ephraim Ditch Company

Substantially Complete November 1, 2016


Old Diversion Dam


New Diversion Dam


New Dam and Headgate

Project Description

The Ephraim Ditch Company formed in 1883 and incorporated in 1927 as a Mutual Ditch Company. Its diversion is located on the Conejos River just below the confluence with the San Antonio River and a service area covering approximately 5,000 irrigated acres. The purpose of this Project was to address the need for a well-designed diversion structure that will reduce maintenance, improve water management efficiencies, and allow for the accurate control of compact-entitled waters. The core has been washed away over time such that irrigators would pile debris or cinderblocks to act as the diversion dam, contributing to decades of limited diversion to irrigators and potential over payment to the Compact. This Project removed and replaced the diversion and headgate structure and installed automated headgates and five gauging stations.

This Project is one of three projects collectively known as the Conejos River System Confluence Management Project, managed by the Conejos Water Conservancy District. The Confluence Management Project will extend this whole river strategy to the Confluence, specifically the Sanford Canal, Ephraim Ditch, and East Bend Ditch.

P R O J E C T D A T A		
Sponsor: Ephraim Ditch Company	*County:* Rio Grande	*Water Source:* Conejos River
Type of Loan: Ditch Rehabilitation	*Board Approval Date:* May 2014	
Terms of Loan: $101,000 at 1.75% for 30 years		
Design Engineer: Natural Resources Conservation Service (NRCS)		
Contractor: Natural Progression Homes, LLC		
Project Elements: Diversion Dam (core), headgate, sluice gate, 5 flumes, 5 stilling wells, telemetry		

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Colorado Water Conservation Board
Department of Natural Resources

Evans Reservoir Bypass Flume Replacement

Parkville Water District

Substantially Complete December 1, 2016

Project Description

In the spring of 2014, sudden runoff combined with spring rains resulted in an unusually high snow melt. The flume was nearly overwhelmed and the portion that passes over the abutment of the dam failed. Significant erosion of the dam resulted, but emergency repairs prevented further damage and contamination of the water supply. Runoff in 2015 was unusually high as well, due to the amount of snowfall in April and unusually warm temperatures in June, necessitating emergency action again. This project constructed a replacement of the existing flumes with a new concrete inlet and trash structure, a concrete outlet structure, and a buried pipeline to carry the flows around the existing reservoir. This project met its two primary objectives of the project: to protect water quality for the City of Leadville, and to prevent failure of the Evans Reservoir dam related to flume failure.

P R O J E C T D A T A		
Sponsor: Parkville Water District	*County:* Lake	*Water Source:* Evans Gulch
Type of Project: Ditch Rehabilitation	*Board Approval Date:* September 2015	
Loan Terms: (Original) $181,800 @ 1.95% for 10 years *(Final)* $181,800 @ 1.95% for 10 years		
Design Engineer: W.W. Wheeler & Associates, Inc.		
Contractor: Mountain Structures Inc.		
Project Elements: Concrete inlet and outlet outlet structures, ABS pipeline		

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Department of Natural Resources

Water Meter Replacement Project

City of Cortez

Substantially Complete December 1, 2016

Project Description

The City supplies potable water to the residents of Cortez, the Ute Mountain Ute Tribe, and Montezuma County Water District No. 1. Its supply comes from McPhee Reservoir. The existing system has 3,550 meters that range in age from 25 to 70 years old. The meters are inaccurate and are failing to capture customer usage information. The City replaced its old meters with smart meters that provide data storage and the ability to better manage water within the distribution system. The City is also received a $50,000 Water Efficiency Grant from the CWCB and a $200,000 grant from DOLA for this project. Neptune Technology Group from Centerville, UT manufactured the meters and Caselle Connect Application Software from Provo, UT provided the software to read the meters and assist the City with billing and receiving payments.

P R O J E C T D A T A		
Sponsor: City of Cortez	*County:* Montezuma	*Water Source:* Dolores River
Type of Loan: Meter Replacement	*Board Approval Date:* January 2015	
Terms of Loan: *(Original)* $858,500 at 2.1% for 10 years *(Final)* $850,212.30 at 2.1% for 10 years		
Design Engineer: City of Cortez Engineer, Ken Torres, P.E.		
Contractor: D & L Construction, Cortez, CO		
Project Elements: Installation services for approximately 3,550 residential and commercial water meters ranging from 3/4 ”X 5/8” to 3”. The project also included providing the materials and training for both handheld and mobile data collection systems, as well as installing a host software system and providing all training associated with said software.		

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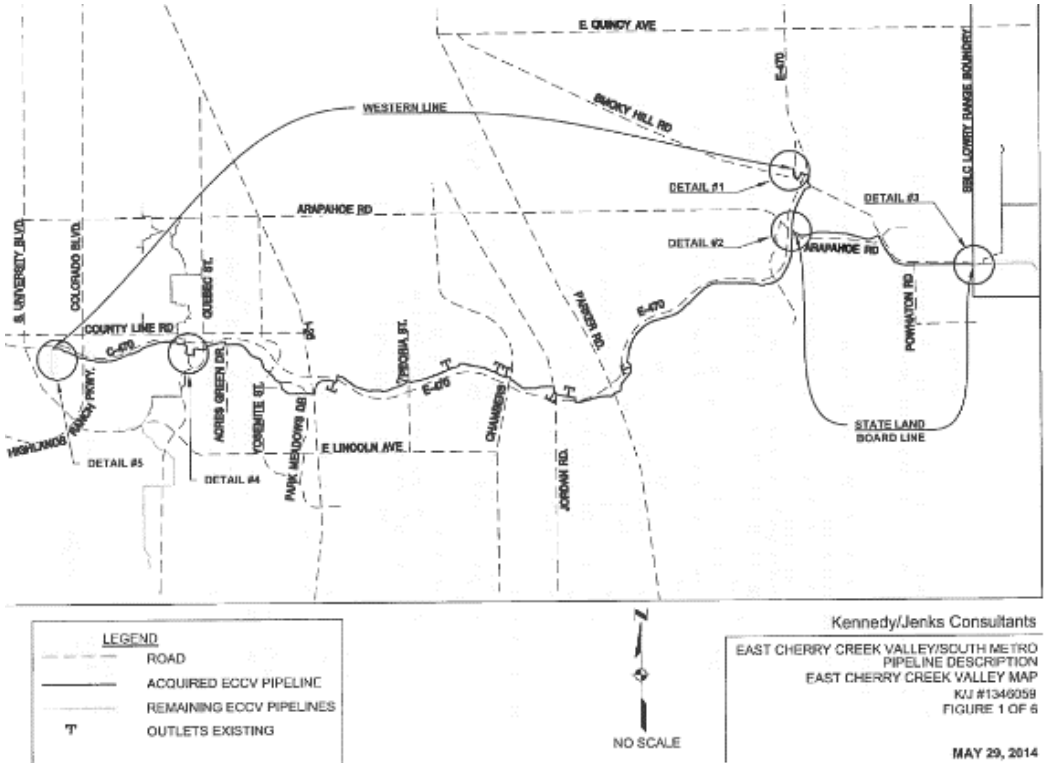
Department of Natural Resources

Water Infrastructure and Supply Efficiency Project (WISE)
ECCV Pipeline Purchase

Cottonwood Water and Sanitation District
Contract No. CT2015-102
Substantially Complete January 1, 2017



Project Description

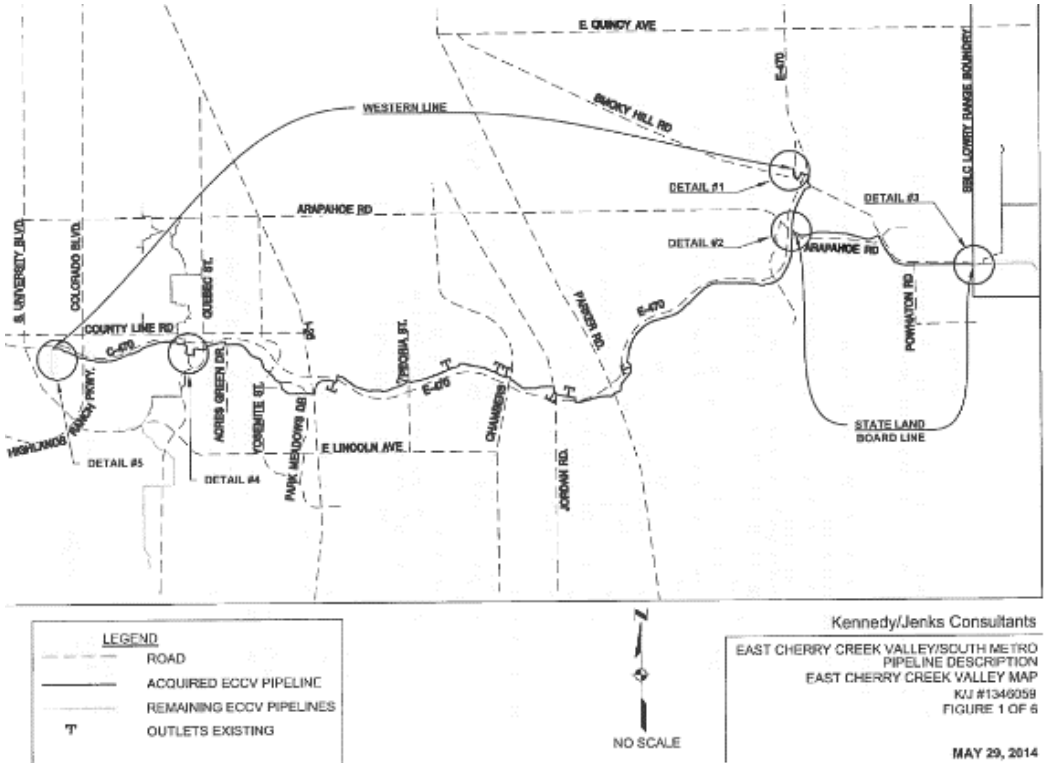
The WISE Project is a collaborative effort by multiple south metropolitan water entities (the WISE Authority), Denver Water, and Aurora water to supplement existing water supplies by bringing reusable water supplies southward through Aurora's Prairie Waters pipeline to the East Cherry Creek Valley (ECCV) Pipeline. The WISE Authority purchased an 85% ownership share in the existing ECCV Pipeline, while the remaining 15% was purchased by Denver Water. The WISE Authority will operate and maintain the ECCV pipeline.
Each WISE Authority member's cost obligations for the project are dictated by an Organizational Agreement between the WISE Authority and WISE Authority member entities, and are dependent upon each member's subscription share for water deliveries.
This Water Project Loan financed the Cottonwood Water and Sanitation District's cost share obligations for the purchase of the ECCV Pipeline by the WISE Authority, resulting in a license agreement for approximately 4.9% capacity of pipeline deliveries.

Project data		
Sponsor: **Cottonwood Water and Sanitation District**	*County:* Douglas & Arapahoe	*Water source:* South Platte
Type of loan: Municipal Water Supply System	*Board approval date:* May 22, 2014	
Terms of loan: 30 years @ 3.00% *(Original) $381,780.00 (Final) $342,921.05*		
Design engineer: No design was financed for this WISE Project element.		
Contractor: No construction was financed for this WISE Project element.		
Project elements: License Agreement for approximately 4.9% capacity in the ECCV pipeline.		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Water Infrastructure and Supply Efficiency Project (WISE)
ECCV Pipeline Purchase

Inverness Water and Sanitation District
Contract No. CT2015-117
Substantially Complete January 1, 2017



Project Description

The WISE Project is a collaborative effort by multiple south metropolitan water entities (the WISE Authority), Denver Water, and Aurora water to supplement existing water supplies by bringing reusable water supplies southward through Aurora's Prairie Waters pipeline to the East Cherry Creek Valley (ECCV) Pipeline. The WISE Authority purchased an 85% ownership share in the existing ECCV Pipeline, while the remaining 15% was purchased by Denver Water. The WISE Authority will operate and maintain the ECCV pipeline.
Each WISE Authority member's cost obligations for the project are dictated by an Organizational Agreement between the WISE Authority and WISE Authority member entities, and are dependent upon each member's subscription share for water deliveries.
This Water Project Loan financed the Inverness Water and Sanitation District's cost share obligations for the purchase of the ECCV Pipeline by the WISE Authority, resulting in a license agreement for approximately 6.1% capacity of pipeline deliveries.

Project data		
Sponsor: **Inverness Water and Sanitation District**	*County:* Douglas & Arapahoe	*Water source:* South Platte
Type of loan: Municipal Water Supply System	*Board approval date:* May 22, 2014	
Terms of loan: 20 years @ 2.75% *(Original)* *$1,874,270.00* *(Final)* *$1,874,270.00*		
Design engineer: No design was financed for this WISE Project element.		
Contractor: No construction was financed for this WISE Project element.		
Project elements: License Agreement for approximately 6.1% capacity in the ECCV pipeline.		

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L.E.D.E Ditch & Reservoir Upgrade Project

Town of Gypsum

Substantially Complete January 1, 2017

Figure 4 - Riprap Placement

Figure 5 - Spillway Channel Riprap Armoring

Project Description

The Town of Gypsum purchased the LEDE Ditch and LEDE Reservoir water rights in 2006. The reservoir is located in the headwaters of Gypsum Creek, south of Gypsum within the White River National Forest. The original water rights were decreed for irrigation uses, and provide storage of up to 947 AF in the reservoir. The Reservoir was originally built to a capacity of 431 AF. In order to accommodate continued agricultural irrigation, and for future water supplies to the Town, the project was designed to increase capacity to 947 AF. This upstream storage is required to assist in managing Gypsum Creek water rights calls and dry year operations. The reservoir storage will become even more important as the Town's population continues to increase.

With this project, the Town repaired and improved the reservoir to utilize its full potential, protecting valuable senior storage rights in the reservoir. Design and permitting commenced in 2009/2010, pipeline construction started in late 2009, and dam construction completed in 2016.

P R O J E C T D A T A		
Sponsor: Town of Gypsum	*County:* Eagle	*Water Source:* Gypsum Creek
Type of Loan: Reservoir Rehabilitation and Enlargement	*Board Approval Date:* May 2009	
Loan Terms: 4.5% for 30 years (Original) $2,689,731 *(Final)* $2,689,731	***WSRF Funding:*** *$225,000*	
Design Engineer: Zancanella and Associates		
Contractor: Hobbs Construction		

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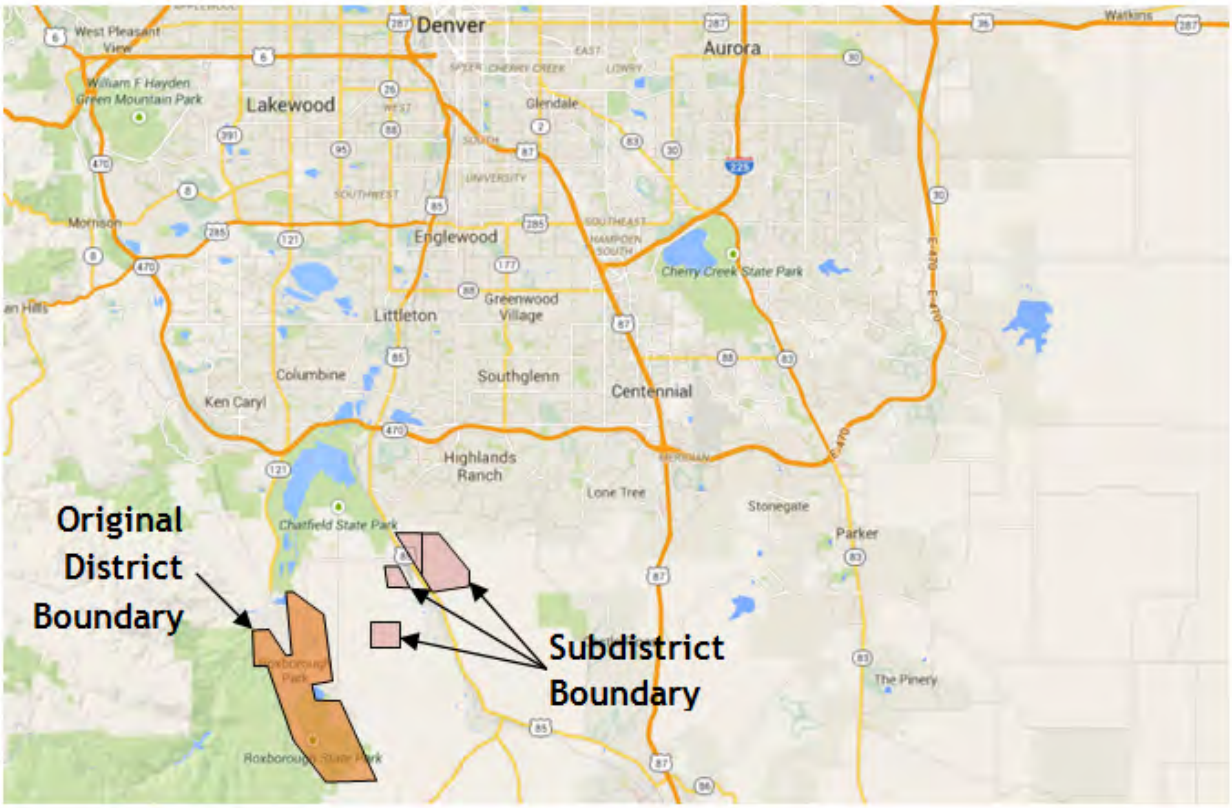
Raw Water Supply Project

Plum Valley Heights Subdistrict of the Roxborough Water and Sanitation District

Substantially Complete February 1, 2017



Project Description

Plum Valley Heights Subdistrict of the Roxborough Water and Sanitation District was recently formed to provide rural communities in Douglas County with a renewable water supply. The communities will be connected to the Roxborough Water and Sanitation District system through an infrastructure project funded by a WSRA grant, CWRPDA loan, and Douglas County. The total project cost (including infrastructure) is approximately $14.9M. The CWCB loan financed the acquisition of a renewable water supply from the City of Aurora.

The existing residential developments of Chatfield Acres, Chatfield East, and Plum Valley Heights, and the industrial development of Titan Road Industrial Park, were built in the 1970s and 1980s. These developments are currently served by individual wells completed in the non-tributary Denver Basin aquifers. Water levels in the Denver Basin aquifers are declining, particularly in the margins of the aquifers where these developments are located. As a result, existing wells in these developments have either already failed, or are in danger of failing. The Metro Roundtable had determined this project is an important component of replacing the use of non-tributary groundwater in the South Metropolitan Area of Denver and in solving the water supply gap identified in SWSI.

P R O J E C T D A T A		
Sponsor: Plum Valley Heights Subdistrict of the Roxborough Water & Sanitation District	*County:* Douglas	*Water Source:* South Platte River
Type of Loan: Water Rights Purchase	*Board Approval Date:* May 2015	
Terms of Loan: $2,248,260 @ 3.05% for 30 years		
Design Engineer: NA		
Contractor: NA		
Project Elements: Purchase of a long term water lease with the City of Aurora for 150 AF per year.		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Reconstruction of Harmony No. 1 Measurement Structure

Julesburg Irrigation District

Substantially Complete March 1, 2017

Project Description

The Julesburg Irrigation District (District), part owner and the operator of the Harmony No. 1 Canal, delivers both Direct Flow rights and Storage water rights to the Julesburg Reservoir. The Canal diverts water from the South Platte River approximately three miles southwest of the town of Crook, Colorado. The Canal delivers direct flow irrigation water, storage water, and augmentation water to approximately 17,000 acres of land controlled by the Harmony Ditch Company and Julesburg Irrigation District. The Canal can also be used to deliver irrigation water to an additional 6,000 acres thru the Julesburg Reservoir rights administered to the Petersen Canal as a supplemental source if supplies at the Petersen head gate are not adequate. The existing 20 foot Parshall Flume experienced structural damage over time to the point of failure. The District demolished the existing structure, replacing it with a new structure located just upstream. The purpose of this project was to provide a reliable measurement structure to accurately measure the flow of the Harmony No. 1 Canal for the various water rights being used by the Julesburg Irrigation District.

P R O J E C T D A T A		
Sponsor: Julesburg Irrigation District	*County:* Sedgwick	*Water Source:* South Platte
Type of Project: Ditch Rehabilitation	*Board Approval Date:* May 2016	
Loan Terms: 1.70% for 30 years *(Original)* $203,616 *(Final)* $203,616		
Design Engineer: Draht Consulting, LLC		
Contractor: Concrete Specialties and Utilities Construction		

	Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
Projects in Design or Construction								
1	Bellyache Ridge Metro District > Well Replacement Project C150356 (CT2015-015) *	Eagle	$169,175	100%	Feb 2015 - March 2017	99%	ACM	A test well was drilled in winter of 2015 and did not produce the amount of water required by the District to meet its needs. That well was capped in Oct 2015 and appears to have had a positive impact on the water availability of the District's 2 remainig wells. The District is in a holding pattern as it continues to
2	Bennett, Town of >Wells #3 and #6 Replacement Project CT2015-161 *$	Adams Arapahoe	$1,454,000	100%	May 2015 - June 2017	90%	ACM	Drilling began in May 2015. All drilling was complete as of the end of July. Temporary were replaced by permanant pumps and the Town is in the process of bringing the wells online. and expects that process to be complete in the summer of 2017.
3	Central CO WCD - WAS > Augmentation Water Supply Project C150337 (CT2015-060) *90%	Weld/ Adams/ Morgan	$3,030,000	100%	N/A	N/A	JMH	Purchased a portion of the water rights on 4/25/13. An additional 1 share of PVIC has been identified for inclusion prior to Mar 2017 expiration date. Final pay request is pending. Loan will be SC on June 1, 2017 to line up with other CWCB loans currently in repayment
4 - CHATFIELD Reallocation Project - First Cost of Storage								$54,633,223
	Castle Pines North Metropolitan District >(C150404A) CT2016- 2049 *$	Arapahoe Douglas Park Weld	$723,160	N/A	2019	N/A	JMH	This contract is to provide reimbursement for the Chatfield Reallocation Project, specific to the "first cost of storage." To date, Chatfield participants have not yet had to make this payment. It is now estimated funds may not be required until 2019.
	Centennial Water & Sanitation District >(C150405A) CT2016- 2053 *$	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	
5 - CHATFIELD Reallocation Project - Phase 1 Mitigation								$37,786,120
	Castle Pines North Metropolitan District >(C150404B) CT2016- 2050 *$	Arapahoe Douglas Park Weld	$4,143,020	0%	2016 - 2022	0%	JMH	This contract is to provide reimbursement for the Chatfield Reallocation Project, for engineering, recreation facilities construction, on-site mitigation, off-site mitigation, and mitigation monitoring. Phase 1 covers the work required to be done to allow storage to occur. The Chatfield Reservoir Mitigation Company has been formed and CDM Smith/Leonard Rice has been selected at the Project Program Manager. Engineering work to develop a final design and more specific construction cost estimate can now start. Final cost estimate expected March or April 2017
	Centennial Water & Sanitation District >(C150405B) CT2016- 2055 *$	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	
6 - CHATFIELD Reallocation Project - Phase 2 Mitigation								$7,000,310

	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	$7,000,310	0%	2022 - 2028	0%	JMH	
7	Chilcott Ditch Company >Jimmy Camp Creek Siphon Reconstruction CT2017-	El Paso	$580,750	0%	Feb 2017 - April 2017	0%	DRJ	
8	Dixon Canon Ditch & Reservoir Company >Dixon Reservioir Dam Improvements CT2017-914 $	Larimer	$278,100	95%	Spring 2017 - Apr 2017	0%	JMH	Bids were opened 12/14/16. Company work with low bidder Zak dirt to reduce bid by splitting work into 2 phases: 1st phase will include only the dam safety issues such as the seepage collection system. The 2nd phase to be done at a later time will include the dam outlet pipe improvements. SEO provided review
9	Duke Ditch Company >Piping the Duke Ditch CT2017-915 $	Delta	$90,000	30%		0%	ACM	Loan and grant contracts were executed in August 2016. NRCS is working on design. Construction is expected to start in the fall of 2017.
10	Fowler, Town of > Augmentation Pipeline Project C150359 (CT2015-054) *$	Otero	$277,245	100%	Fall 2017 - Spring 2018	0%	DRJ	Engineering completed. Easement and appraisal processes causing delays. Bid process to occur in next several months.
11	Georgetown, Town of > Outlet Works Modification Project C150321 (CT2015-055) *$90%	Clear Creek	$2,976,975	100%	Aug 2014 - Nov 2016	99%	ACM	Construction began in August 2014 and was mostly complete by April 2016. When the new outlet gate was tested, operational issues were identified. The Town is working on solutions with additional engineering support and gate manufacturers. The Town requested a one-year extension to the loan contract.
12	Grand Junction, City of >Hallenbeck Reservoir No. 1 Dam Rehabilitation CT2017-916	Mesa	$1,010,000	100%	Aug 2016 - Dec 2016	99%	ACM	Construction began in August 2016 and the final walk thru occured in early December 2016. As-builts have been submitted and substantial completion is anticipated by June 2017.
13	Grand Mesa Water Conservancy District > Peak Res. & Blanche Park Res. Rehabilitation C150354 (CT2015-061) *$	Delta	$227,250	100%	Mar 2013 - Aug 2017	50%	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. SEO approved construction drawings in June 2016. The District anticipates a loan extension
14	Grand Valley Water Users Association >Government Highline Canal Lining CT2017-2258	Mesa	$151,500	50%	Aug 2017 - Dec 2017	0%	ACM	Final design and permitting are underway. Construction is planned for late summer 2017.
15	Huerfano County Water Conservancy District > Regional Augmentation Project C150364 (CT2015-047) *$	Huerfano	$2,222,000	75%	Jan 2014 - Mar 2019	60%	ACM	Land and water rights purchase occurred in January 2014. Camp Ranch augmentation site construction is complete. The Red Wing augmentation project is on hold pending a re-evaluation of sites for the augmentation site. Alternative sites are under consideratin.
16	Lake Durango Water Authority > Source Water Supply Project C150317 (CT2015-013) *$90%	LaPlatta	$2,525,000	100%	Oct 2016 - Oct 2017	10%	KGR	Project Construction begin in October. Most of the pipe has been delivered and stored on site. Road alignment from highway to the outlet tower has been roughed cut in. Blasting was required in some areas.

17	Lake McIntosh Reservoir Company >Lake McIntosh Outlet Works Repair CT2016-2794 $	Boulder	$1,727,100	100%	Jan 2017 - May 2017	30%	JMH	Phase 1 construction includes pipeline from ditch crossing to downstream manhole. Phase 2 to include piping under roadway and Platte Rive Power Authority substation. Phase 1 Construction began January 2017. Phase 2 to begin after PRPA negotiations/coordination are complete.
18	Lamar, City of >Repurposing of Wells 12 and 13 CT2017-917	Prowers	$101,000	50%	Mar 2017 - June 2017	0%	DRJ	Design to continue thruough 2016. Bidding and construction planned for early spring 2017 and complete same season.
19	Larimer & Weld Irrigation Company >Headgate Structure Replacement CT2017-2253	Larimer & Weld	$681,750	99%	Fall 2017 - Spring 2018	0%	JMH	Bids received in September 2016 exceeded budget and the Company elected not to award the project at this time. Company and engineer will work towards bidding again in Spring 2017. Prebid scheduled 3/2/17
20	Lookout Mountain Water District > Upper Beaver Brook Dam Spillway CT2016-2515 $	Clear Creek	$3,099,690	100%	June 2016 - Aug 2017	75%	DRJ	Spillway labrynth weir concrete wall pours completed Jan 2017. Activity on site expected to pick up again in March depending on weather.
21	Monte Vista, City of > Augmentation Water Rights Acquisition C150309 (CT2015-011) *$	Rio Grande	$1,693,770	50%	N/A	N/A	ACM	The City purchased Anderson Ditch rights and will file a water court application to enable the use of those rights to replace depletions. Contracted with the San Luis Valley Irr. Dist. for storage space in the Rio Grande Res. City continues negotiations to purchase additional water.
22	North Poudre Irrigation Co > Reservoir No. 4 Rehabilitation C150378 (CT2015-003) *$	Larimer	$2,263,410	100%	Nov 2015 - Jun 2016	99%	JMH	Design was updated per SEO suggestion to upsize spillway to meet higher classification. Wildlife Mitigation completed in January 2015. Reservoir construction began November 2015. Construction is complete, and received SEO final acceptance in Oct 2016. Loan is waiting for SC date.
23	North Poudre Irrigation Co > Rehabilitation of the Livermore Irrigation Tunnel CT2017-1402	Larimer	$1,451,673	100%	Nov 2016 - Apr 2017	50%	DRJ	Tunnel liner plates are being installed.
24	Oligarchy Irrigation Company > Dam Outlet Works Rehabilitation CT2016-1597 *$	Boulder	$901,930	100%	May 2016 - Oct 2016	99%	JMH	SEO approved plans and specification on 3/1/16. Project was put out to bid in March 2016 and construction began in May 2016. Final walkthru occurred 10/28/16. Loan SC date will be 5/1/17.
25	Orchard Ranch Ditch Company >Orchard Ranch Ditch Pipe Project CT2016-2795 $	Delta	$151,500	10%	Fall 2017 - Mid 2018	0%	DRJ	Construction fall 2017, may delay to Spring 2018 depending on progress of elements of project through Buereau of Reclamation. Company continues to explore supplementary grant funding options.
26	Overland Ditch and Reservoir Company > Overland Reservoir Rehabilitation C150206 (CT2015-034) *$90%	Delta	$1,141,300	50%	Permitting	0%	KGR	Permitting issues are being addressed to enlarge reservoir. Company is concerned about the impact of increased costs to the project. Meeting scheduled to review current loan and project advancement.
27	Riverside Ditch and Allen Extension Company > Ditch System Rehabilitation C150301 (CT2015-050) *$90%	Chaffee	$186,345	85%	Jul 2010 - Oct 2017	80%	ACM	Ditch lining phase of the project was completed in December 2010. NRCS completed design plans for replacment of the river diversion structure & construction occured in Nov 2016. Additional ditch work is expected in 2017. A loan extension request is anticipated.
28	Riverside Reservoir and Land Company > Riverside Reservoir Spillway Enlargement C150291 (CT2015-026) *$90%	Weld	$2,838,100	90%	Spring 2017+	0%	DRJ	Plans under review by SEO. Construction timing indeterminate. Contract extension in progress.
29	San Luis Valley Water Conservancy District > Anaconda Ditch Water Right Acquisition C150348 (CT2015-166) *$	Alamosa	$1,123,575	0%	N/A	N/A	ACM	Water rights purchase was pending a water court change case completion. The case was settled in December 2015. The District expects to close on the shares in mid-2017. A loan increase was approved at the January 2017 CWCB meeting.

30	Sanchez Ditch and Reservoir Company > Sanchez Reservoir Outlet Rehabilitation Project C150342 (CT2015-012) *$90%	Costilla	$1,381,276	100%	Oct 2014 - March 2017	99%	ACM	Construction began in Oct 2014. Outlet works work was completed in Jan 2015. Seepage and monitoring work is currently ongoing.
31	Sanford Canal Company > Sanford Diversion and Headgate Rehabilitation C150401(CT2015-091) *$	Rio Grande	$101,000	100%	Aug 2015 - Dec 2016	99%	JMH	NRCS has finalized design. Fabrication of steel structures began August 2015. Construction of diversion dam and headgates began in October 2015 and nearing completion. Concrete work is finished, sluice gate will be installed one river flow decreases
32	Thunderbird W&S Dist > Lambert Ranch Water Rights Purchase C150320 (CT2015-049) *$90%	Douglas	$318,150	N/A	N/A	N/A	JMH	Closing was delayed until 2015 due to easement access to purchased wells. Closing on water rights occurred September 2015. Easement aquisition process is still underway pending final pipeline alignment.
33	Tunnel Water Company >Laramie-Poudre Tunnel Rehabilitation CT2016-2001 $	Larimer	$1,111,000	100%	Apr 2015 - Fall 2017	70%	JMH	Phase 1 (Inlet) construction started September 2015 and is complete. Phase 2 (outlet) construction is in nearing final design and is planned for construction in Spring 2017, but may need to be extended till Fall 2017.
34	Uncompahgre Valley Water Users Association >Drop 5 Hydroelectric Project CT2015-174 *$	Montrose/ Delta	$6,999,300	100%	Dec 2015 - Aug 2016	99%	KGR	Plant produced power in August 2016. Upstream ditch breach being repaired this winter. Loan closeout pending. Final invoicing occuring.
35	Upper Arkansas Water Conservancy District > Reservoir Rehabilitation C150192 (CT2015-052) *$	Chaffe/ Custer	$3,009,800	100%	Permitting	90%	KGR	The first phase of construction was awarded to ASI, Buena Vista, CO, and completed in May 2007. The Permitting effort for the enlargment is underway and expected to be complete by Dec 2018.
36	West Reservoir and Ditch Company >Repair of West Reservoir No. 1 Outlet Works CT2015-169 *$	Delta	$313,018	100%	May 2015 - Sept 2016	100%	DRJ	Project complete. Loan increase in contracting.
37	Windsor, Town of > Kyger Reservoir Project C150366 (CT2015-057) *$	Larimer/ Weld	$4,545,000	100%	July 2016 - Mar 2017	80%	JMH	Town purchased reservoir and water rights in summer 2014. Town completed design and permitting in spring 2016. Construction contract was awarded at the end of June 2016 and commenced July 2016
38 - WISE Project - Phase 1 Infrastructure								$16,802,501
	Cottonwood W&S Dist - C150408B (CT2015-106) *$	Douglas/ Arapahoe	$2,636,100	100%	Spring 2015 - Jan 2017	25%	DRJ	Infrastructure to treatment plant completed. Pipeline construction on Ridgeway line under way. E470 bore 90% complete.
	Inverness W&S Dist - C150409B (CT2015-118) *$	Douglas/ Arapahoe	$1,181,700	100%	Spring 2015 - Jan 2017	25%	DRJ	
	Parker W&S Dist - C150410B (CT2015-108) *$	Douglas/ Arapahoe	$6,785,321	90%	Spring 2015 - Jan 2017	21%	DRJ	
	Pinery (Denver SE Sub W&S Dist) C150411B (CT2015-085)	Douglas/ Arapahoe	$6,199,380	90%	Spring 2015 - Jan 2017	21%	DRJ	
39 - WISE Project - Phase 2 Infrastructure								$7,400,078
	Cottonwood W&S Dist - C150408C (CT2015-105) *$	Douglas/ Arapahoe	$1,127,160	0%	Spring 2018 - Fall 2021	0%	DRJ	

	Inverness W&S Dist - C150409C (CT2015-119) *$	Douglas/ Arapahoe	$1,427,130	0%	Spring 2018 - Fall 2021	0%	DRJ	
	Parker W&S Dist - C150410C (CT2015-109) *$	Douglas/ Arapahoe	$3,418,658	0%	Spring 2018 - Fall 2021	0%	DRJ	
	Denver SE Sub W&S Dist - C150411C (CT2015-086) *$	Douglas/ Arapahoe	$1,427,130	0%	Spring 2018 - Fall 2021	0%	DRJ	
40- WISE Project - DIA Connection								
	Cottonwood W&S Dist - C150408D (CT2015-104) *$	Douglas/ Arapahoe	$363,600	23%	N/A	NA	DRJ	Annual diisbursment to be made on this loan through 2021.Design Status indicates percent of funds disbursed to date.
	Inverness W&S Dist - C150409D (CT2015-120) *$	Douglas/ Arapahoe	$454,500	23%	N/A	NA	DRJ	Annual diisbursment to be made on this loan through 2021.Design Status indicates percent of funds disbursed to date.
	Parker W&S Dist - C150410D (CT2015-110) *$	Douglas/ Arapahoe	$1,099,890	13%	N/A	NA	DRJ	Annual diisbursment to be made on this loan through 2021.Design Status indicates percent of funds disbursed to date.
	Denver SE Sub. W&S Dist (Pinery) - C150411D (CT20	Douglas/ Arapahoe	$454,500	36%	N/A	NA	DRJ	Annual diisbursment to be made on this loan through 2021.Design Status indicates percent of funds disbursed to date.

Projects Under Contract $156,658,351

*= No Option Ltr || $= 1% SF in CORE || 90%= Contract Restriction

	Approved Projects - Not Under Contract						
a	Southeastern CO Water Conserv. District > Arkansas Valley Conduit C150238	Crowley	$60,600,000	In Contracting		KGR	Pending Federal Appropriation. Hydro project may be considered from these loan funds
b	Southeastern CO Water Conserv. District >Pueblo Dam Hydroelectric Project CT2017-1424	Crowley	$16,725,600	In Contracting		DRJ	
c	Town of Firestone >Storage Development and Water Rights Purchase CT2017-	Weld	$10,000,000	In Contracting		DRJ	
d	Grand Valley Water Users Association >Grand Valley Power Plant Rehabilitation CT2017-	Mesa	$1,717,000	In Contracting		JMH	BOR Design meeting 2/28

e	Orchard Mesa Irrigation District >Grand Valley Power Plant Rehabilitation CT2017-	Mesa	$1,717,000	In Contracting	JMH	BOR Design meeting 2/28
g	St. Vrain & Left Hand Water Conservation District >Lake 4 Outlet Pipeline Repair CT2017-	Boulder	$619,130	In Contracting	JMH	

Not Under Contract SubTotal = $91,378,730

Grand Total = $248,037,081

nstruction projects involving storage: new, enlargment, dredging or removal of a SEO restriction =

	Projects Substantially Completed in Fiscal Year 2016/2017							
1	Greeley and Loveland Irrigation Company > Irrigation System Improvements C150362 (CT2015-022)	Larimer	$3,745,080	100%	Summer 2014 - Apr 2016	100%	JMH	7/1/2016
2	Boxelder Basin Regional Stormwater Authority > East Side Detention Facility Project C150353 (CT2015-070)	Larimer/ Weld	$7,171,000	100%	Aug 2015 - June 2016	100%	JMH	7/1/2016
3	Boxelder Basin Regional Stormwater Authority > County Rd 52 Culvert Project C150393 (CT2015-069)	Larimer/ Weld	$818,100	100%	Aug 2015 - June 2016	100%	JMH	7/1/2016
4	Lake Canal Reservoir Company > North Gray Reservoir Rehab Project C150322 (CT2015-042)	Larimer/ Weld	$204,298	100%	Nov 2015 - Mar 2016	100%	JMH	7/1/2016
5	Louden Irrigating Canal & Reservoir Company > Emergency Diversion Structure and Ditch Repair C150398 (CT2015-151)	Larimer	$ 126,250	100%	Summer 2014 - June 2016	100%	JMH	7/1/2016
6	Boxelder Basin Regional Stormwater Authority > Larimer & Weld Canal Crossing Structure Project C150352 (CT2015-071)	Larimer/ Weld	$1,010,000	100%	Dec 2015 - April 2016	100%	JMH	8/1/2016
7	Prairie Ditch Company > Plaza Phase 3: Prarie Ditch Imp. Project C150400 (CT2015-134) *$	Rio Grande	$131,300	100%	Oct 2015 - Aug 2016	100%	JMH	8/1/16
8	Farmers Pawnee Canal Company > Diversion Structure Replacement Project C150394 (CT2015-132)	Logan	$2,067,470	100%	Mar 2014 - Nov 2015	100%	DRJ	9/1/2016
9	Northern Colorado WCD- Hydropower Enterprise > Granby Hydropower Project C150396 (CT2015-140)	Grand	$5,135,183	100%	2015-May 201	100%	JMH	10/1/2016

10	Pisgah Reservoir and Ditch Company > Mount Pisgah Dam/Wrights Res Rehabilitation C150341 (CT2015-027)	Teller	$990,176	100%	June 2015 - Sep 2016	100%	JMH	10/1/2016
11	Bow Mar Water & Sanitation District >Rehabilitation and Replacement of Water Meters CT2016-2516	Arapahoe & Jefferson	$332,795	100%	July 2016 - Oct 2016	100%	DRJ	11/1/2016
12	Union Well Augmentation Group >Union Reservoir Water Rights Purchase CT2016-3463	Weld	$227,250	N/A	N/A	N/A	JMH	11/1/2016
13	Ephraim Ditch Company > Ephraim Diversion and Headgate Rehabilitation C150402 (CT2015-090) *$	Rio Grande	$101,000	100%	Aug 2015 - Nov 2016	100%	JMH	11/1/16
14	Parkville Water District >Evans Reservoir Bypass Flume Project CT2016-2004	Lake	$181,800	100%	Aug 2016 - Oct 2016	100%	DRJ	12/1/2016
15	Cortez, City of > Water Meter Replacement Project CT2015-152	Montezuma	$858,500	100%	June 2015 - Oct 2016	99%	ACM	12/1/2016
16	Cottonwood W&S District >WISE - ECCV Pipeline Purchase C150408A (CT2015-102)	Douglas/ Arapahoe	$342,921	100%	N/A	N/A	DRJ	1/1/2017
17	Inverness W&S District >WISE - ECCV Pipeline Purchase C150409A (CT2015-117)	Douglas/ Arapahoe	$1,845,270	100%	N/A	N/A	DRJ	1/1/2017
18	Gypsum, Town of > LEDE Ditch and Reservoir Rehabilitation C150296 (CT2015-058) *$	Eagle	$2,689,731	100%	Jul 2013 - Sep 2016	100%	DRJ	1/1/17
19	Plum Valley Heights Subdistrict >Raw Water Supply Project CT2015-176 *$	Douglas	$2,248,260	N/A	N/A	N/A	JMH	2/1/17
20	Julesburg Irrigation District >Reconstruction of the Harmony No. 1 Dam Structure CT2017-904	Sedgwick	$203,616	100%	Nov 2016 - Dec 2016	100%	DRJ	3/1/2017

SubTotal = $30,430,000

CWCB Water Project Loan Program
Project Data Sheet

Borrower: Bellyache Ridge Metropolitan District **County**: Eagle

Project Name: Well Replacement Project **Project Type:** Well Drilling

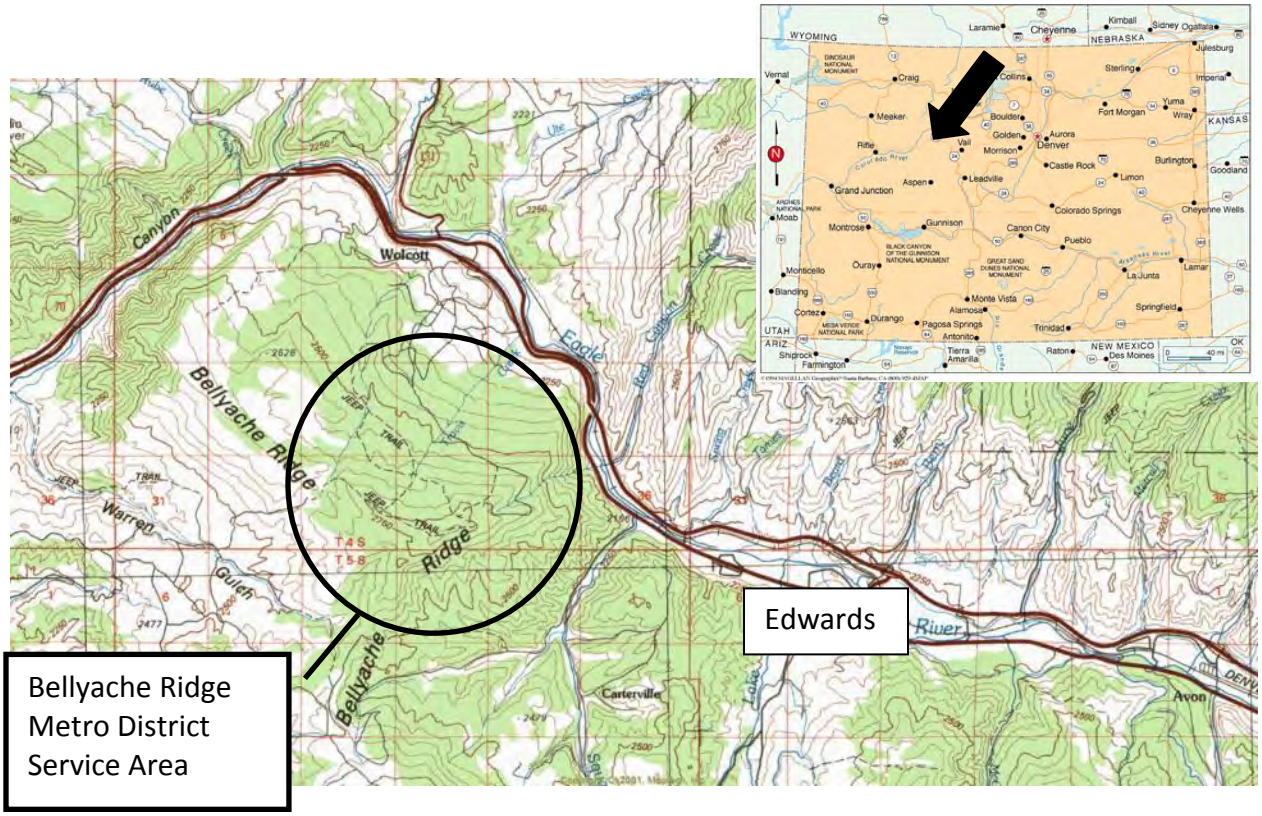
Drainage Basin/ District: Colorado / 37 **Water Source:** Groundwater

Total Project Cost: $355,000 **Funding Source:** Construction Fund/ DOLA Energy and Mineral Impact Assistance Fund

Type of Borrower: Municipal (High) **Average Annual Diversion:** 11 AF

CWCB Loan: $169,175 (with 1% Service Fee) **Interest Rate:** 3.0% **Term:** 30 years

The District is located in Eagle County approximately six miles west of Edwards, Colorado. The District's water system includes three wells that fill two storage tanks. From January through March of 2013, the District had to haul in water because declining well production was not able to keep up with demands. Spring storms recharged the groundwater supply such that the District has not hauled water since March, but unless a new well is drilled hauling water will likely be required in the future. A new replacement well will be drilled as soon as funding is available.



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Wells #3 and #6 Replacement Project

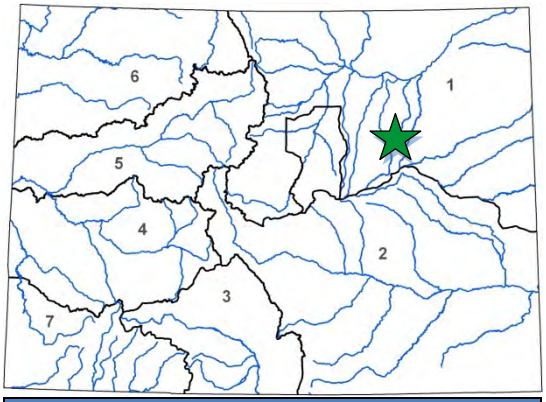
Town of Bennett

November 2014 Board Meeting

LOAN DETAILS	
Project Cost:	$1,600,000
CWCB Loan (with Service Fee):	$1,454,400
Loan Term and Interest Rate:	30 Years @ 3.25%
Funding Source:	Construction Fund

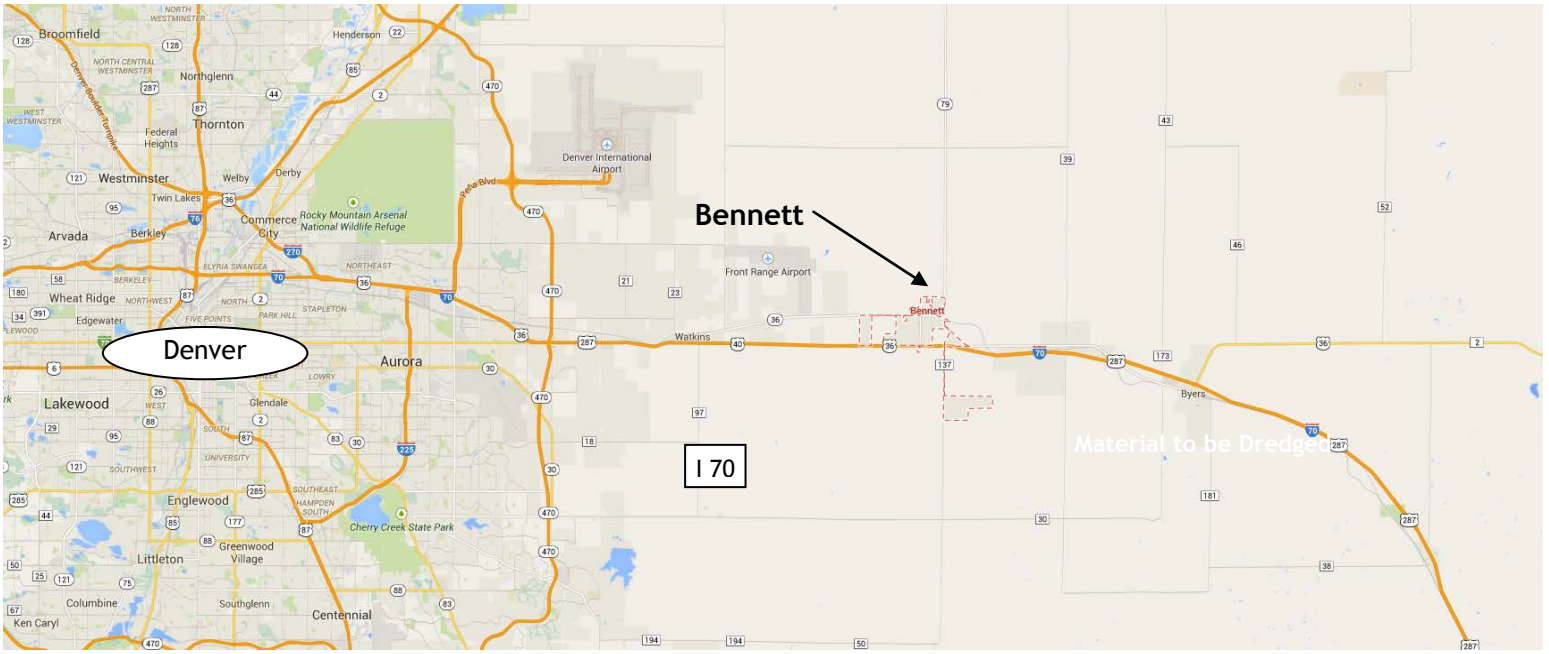
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
0%	0% Low - 100% Mid - 0% High	0%

PROJECT DETAILS	
Project Type:	Well Drilling
Average Annual Delivery:	261 AF



LOCATION			
County:	Adams & Arapahoe		
Water Source:	Non-Tributary Groundwater		
Drainage Basin:	South Platte		
Division:	1	*District:*	1

The Town of Bennett provides water to its 2,500 residents from the Denver, Upper Arapahoe and Lower Arapahoe, and Laramie-Fox Hills aquifers. A recent study revealed the need to address operational reliability, efficiency, and safety of the Town of Bennett's well #3 and well #6. The Town currently has 11 wells. The replacement of wells #3 and #6 will provide the Town with additional supply to meet demands and needed redundancy in its water supply system. Both wells need to be replaced due to the age of the existing wells. Construction is expected to occur during the spring of 2015.

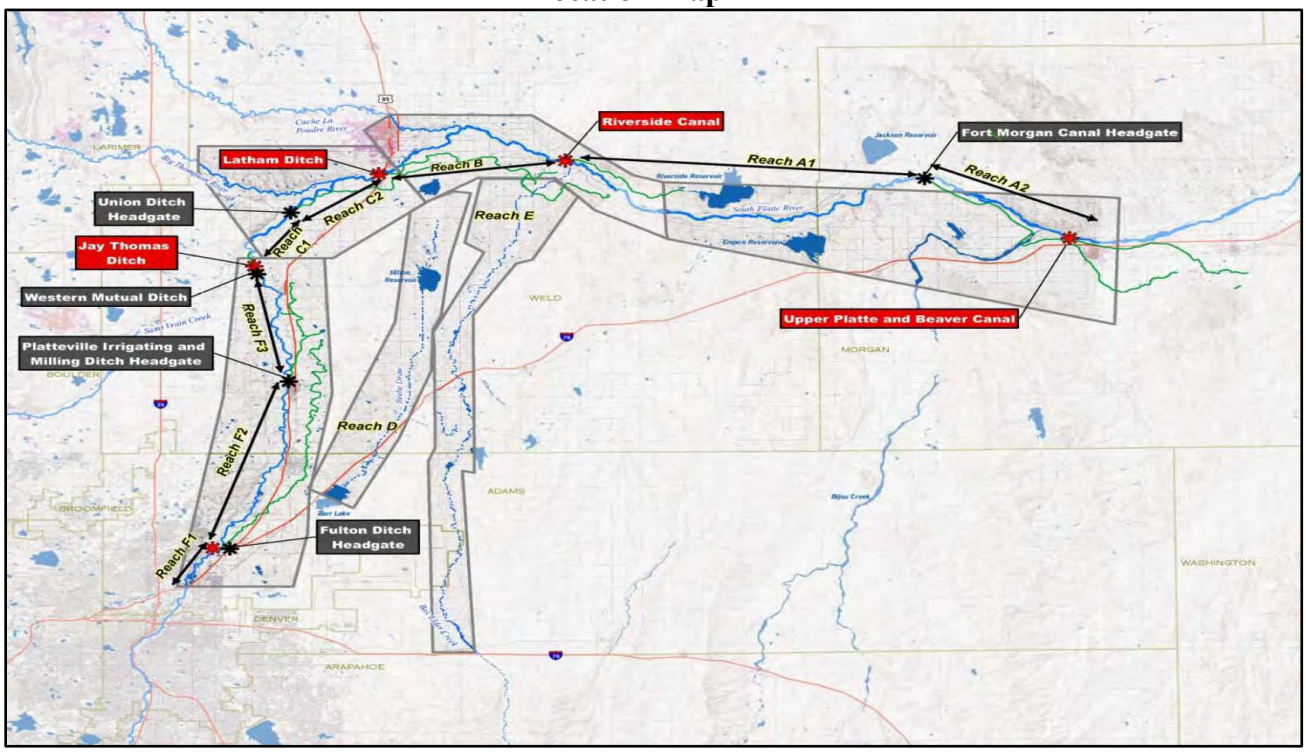


Water Project Loan Program – Project Data Sheet

Borrower:	Well Augmentation System of the Central Colorado Water Conservancy District	**County:**	Weld, Adams, Morgan
Project Name:	Water Rights Purchase & Gravel Pit Storage Project	**Project Type:**	Water Rights Purchase & Augmentation Facility
Drainage Basin:	South Platte	**Water Source:**	South Platte Basin
Total Project Cost:	$3,333,400	**Funding Source:**	Construction Fund
Type of Borrower:	Agricultural	**Annual Depletions Covered:**	20,400 AF
CWCB Loan:	$3,030,000 (w/ 1% service fee)	**Interest Rate:**	1.75% **Term:** 30 years

The Well Augmentation Subdistrict (WAS) of the Central Colorado Water Conservancy District is located in Adams, Weld, and Morgan counties. WAS is a special district created by the Weld County District Court on January 8, 2004, pursuant to the applicable provisions of the "Water Conservancy Act", Section 37-45-101, C.R.S. It has the power to acquire and sell water rights, construct and operate facilities, exercise eminent domain, levy taxes, and contract with other agencies. WAS has operated an augmentation plan since 2004, covering approximately 78 square miles and 214 predominantly agricultural member wells. WAS has an average annual depletion of 20,400. WAS has requested a loan for purchasing more water and storage rights to enable WAS to issue a pumping quota to member wells for the first time since 2006. The WAS General Fund will cover the remaining project expenses.

Location Map



CWCB Water Project Loan Program
Project Data Sheet

C150404

Borrower: Castle Pines North Metropolitan District
County: Douglas

Project Name: Chatfield Reallocation Project
Project Type: Reservoir Storage

Drainage Basin: South Platte
Water Source: South Platte River, Plum Creek

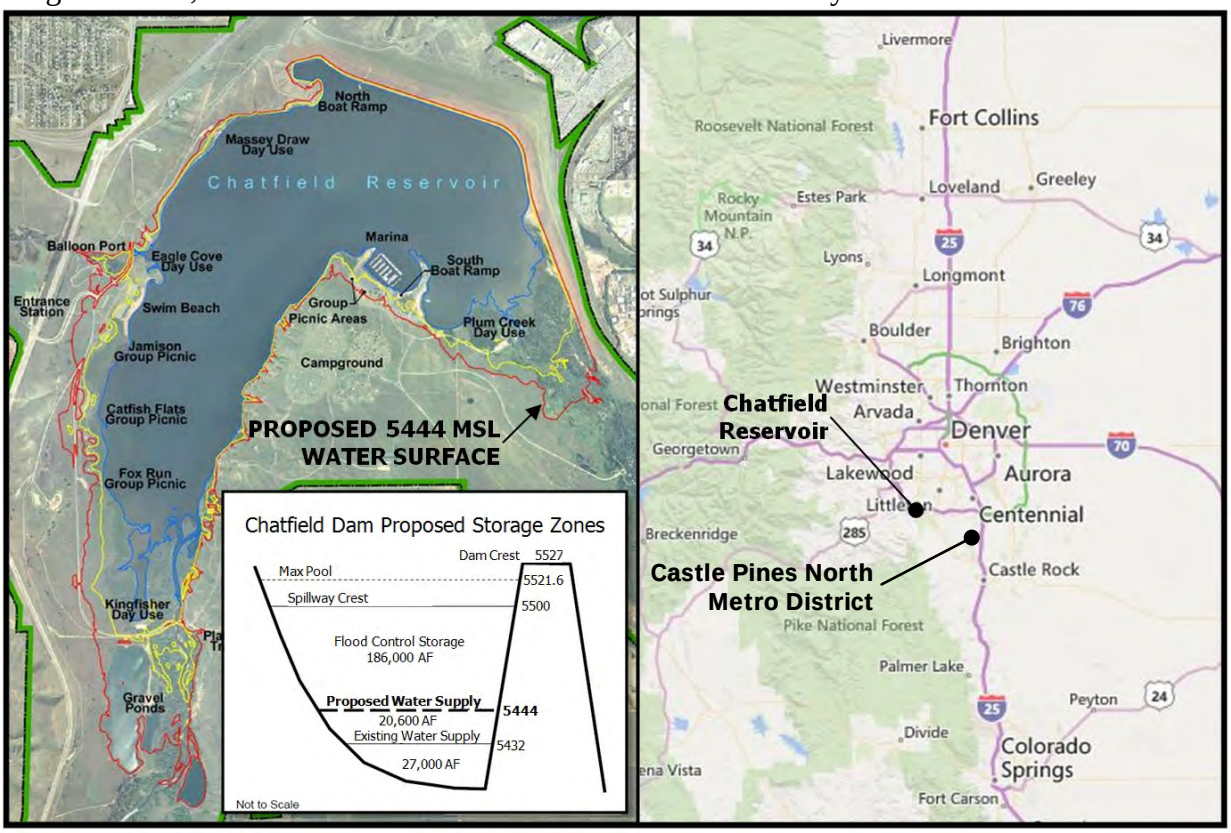
Total Project Cost: $7,100,000
Funding Source: Severance Tax Perpetual Base Fund

Type of Borrower: High-income Municipal
Average Annual Delivery: 1,300 AF
Added Water Supply Storage: 1005.8 AF

CWCB Loan: $6,453,900 (with 1% service fee)
Interest Rate: 3.0% **Term:** 30-years

The Castle Pines North Metropolitan District provides water and wastewater services to the residents and businesses in the City of Castle Pines, Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. Successful completion of the Project would result in the District securing renewable water rights that on average would supply 32% of its average annual water demand. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 1005.8 acre-feet of storage, or 4.88% of the total reallocation. The District will use Chatfield storage through exchanges as authorized in water court Case Nos. 04CW308 and 09CW279.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



CWCB Water Project Loan Program
Project Data Sheet

C150405

Borrower: Centennial Water & Sanitation District **County**: Douglas

Project Name: Chatfield Reallocation Project

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: $48,888,000

Funding Source: Severance Tax Perpetual Base Fund

Type of Borrower: High-income Municipal

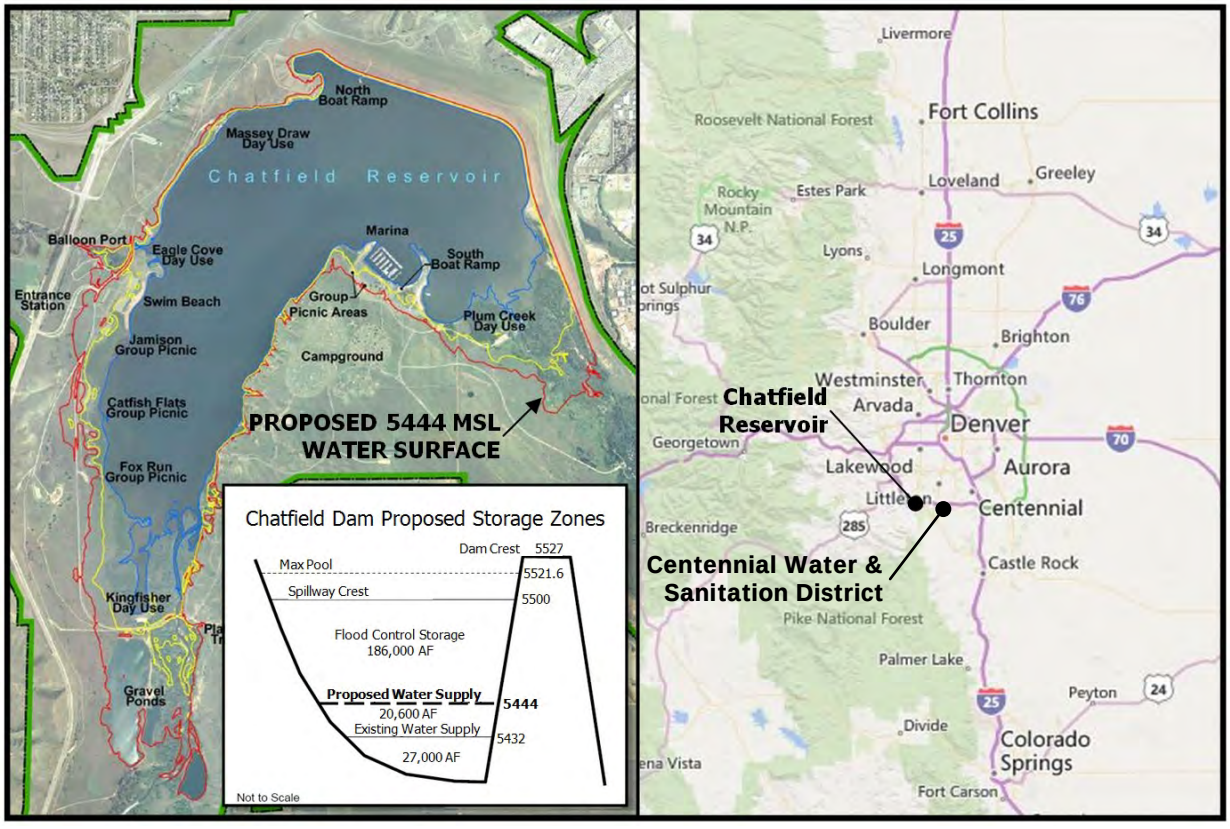
Average Annual Delivery: 17,500 AF

Added Water Supply Storage: 6,922.1 AF

CWCB Loan: $44,440,000 (with 1% service fee) **Interest Rate:** 3.0% **Term:** 30-years

The Centennial Water & Sanitation District provides water and wastewater services to the residents and businesses of Highlands Ranch in Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. Successful completion of the Project would result in the District securing renewable water rights that on average would supply 16% of its average annual water demand. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 6,922.1 acre-feet of storage, or 33.6% of the total reallocation. The District will store Chatfield water in accordance with water court Case Nos. 83CW184, 84CW411, and 85CW314.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



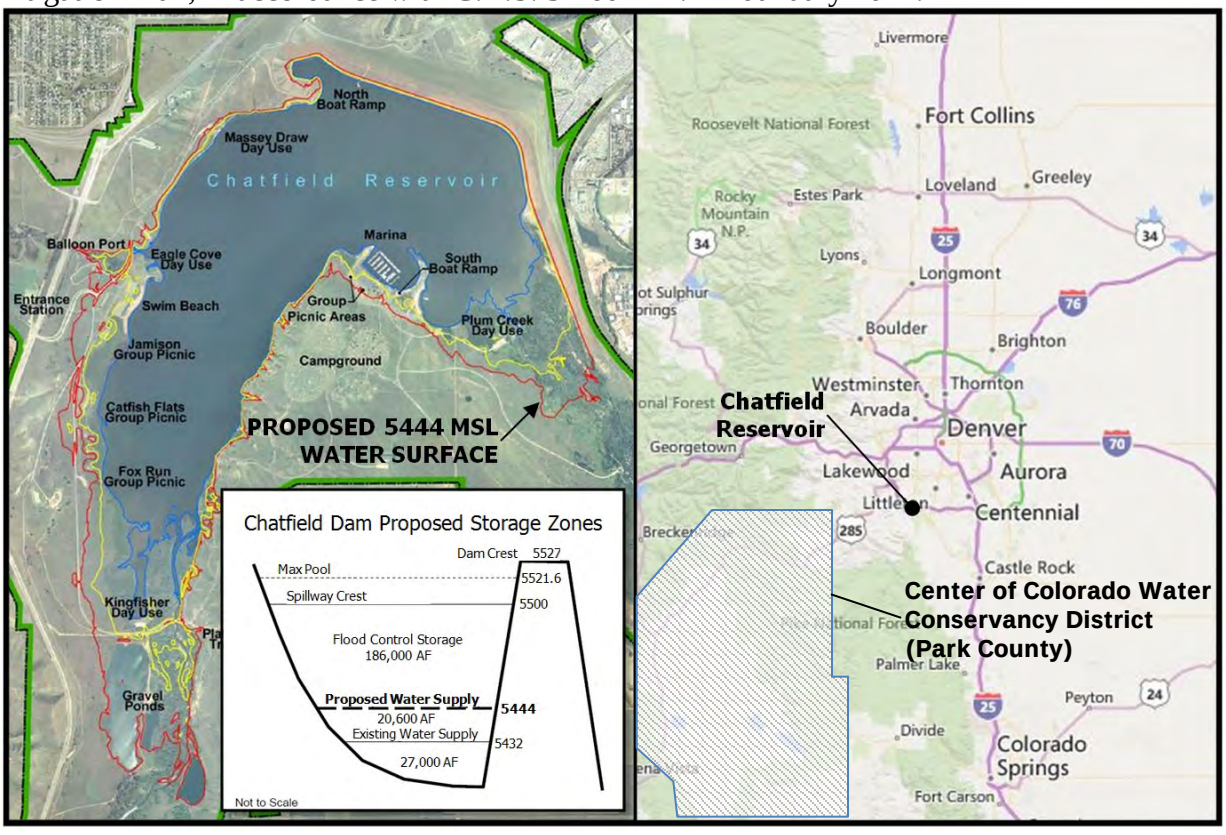
CWCB Water Project Loan Program
Project Data Sheet

C150406

Borrower: Center of Colorado Water Conservancy District
County: Park
Project Name: Chatfield Reallocation Project
Project Type: Reservoir Storage
Drainage Basin: South Platte
Water Source: South Platte River
Plum Creek
Total Project Cost: $931,000
Funding Source: Severance Tax Perpetual Base Fund
Type of Borrower: Middle-income Municipal
Average Annual Diversion: 700 AF
Added Water Supply Storage: 131.3 AF
CWCB Loan: $606,000 (with 1% service fee) **Interest Rate:** 2.5% **Term:** 15-years

The Center of Colorado Water Conservancy District co-owns and manages a blanket augmentation plan with the Upper South Platte Water Conservancy District through the Headwater Authority of the South Platte. The District is participating in the Chatfield Reallocation Project in order to improve its augmentation operations by needed storage space at the lower reaches of its augmentation plan. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 131.3 acre-feet of storage, or 0.64% of the total reallocation. The District will use Chatfield storage to store senior and junior rights as authorized in water court Case Nos. 12CW50 and 13CW3148.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



CWCB Water Project Loan Program
Project Data Sheet

C150407

Borrower: Central Colorado Water Conservancy District

County: Adams, Weld

Project Name: Chatfield Reallocation Project

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: $28,170,000

Funding Source: Severance Tax Perpetual Base Fund

Type of Borrower: Agricultural

Average Annual Delivery: 24,600 AF

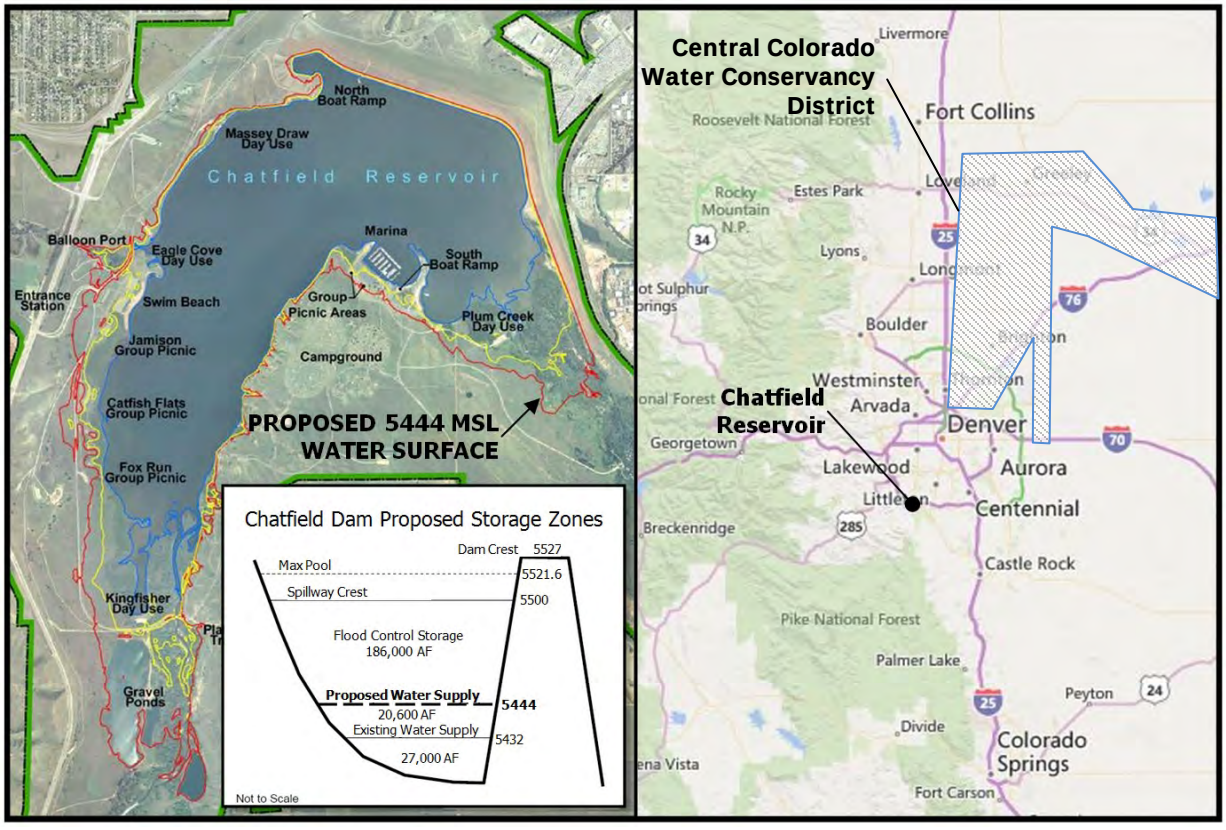
Added Water Supply Storage: 4,274 AF

CWCB Loan: $28,451,700 (with 1% service fee)

Interest Rate: 1.75% **Term:** 30-years

The Central Colorado Water Conservancy District is located in the South Platte River basin between Denver and Fort Morgan including Beebe Draw, and the lower portions of the Box Elder Creek and Lost Creek drainages. Approximately 210,000 acres of irrigated agricultural lands are served by the District. The District is participating in the Chatfield Reallocation Project to increase the availability of augmentation water for users within its District. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 4,274 acre-feet of storage, or 20.75% of the total reallocation. The location of Chatfield provides the ability to replace well depletions to all locations within the District.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Jimmy Camp Creek Siphon Reconstruction

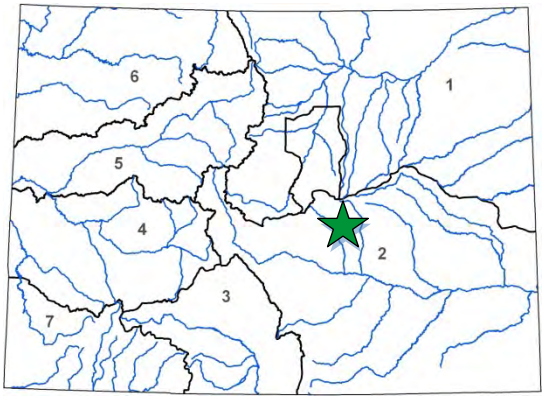
Chilcott Ditch Company

January 2017 Board Meeting

LOAN DETAILS	
Project Cost:	$575,000
CWCB Loan (with Service Fee):	$ 580,750
Loan Term and Interest Rate:	20 Years @ 2.20%
Funding Source:	Construction Fund

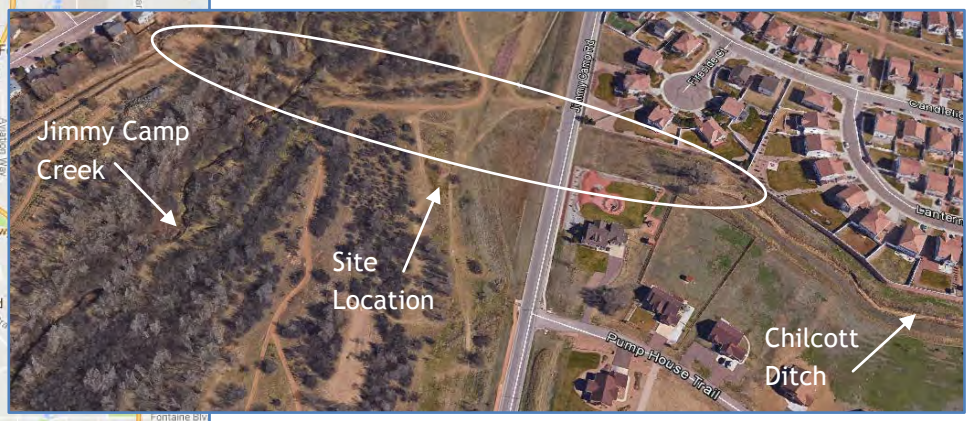
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
0%	0% Low - 100% Mid - 0% High	0%

PROJECT DETAILS	
Project Type:	Ditch Rehabilitation
Average Annual Delivery:	4,961 AF



LOCATION			
County:			El Paso
Water Source:			Fountain Creek
Drainage Basin:			Pueblo
Division:	2	*District:*	10

The Chilcott Ditch Company, located in El Paso County, operates the Chilcott Ditch for the benefit of its shareholders by providing direct flow Zirrigation water. The ditch diverts from Fountain creek, just north of the Town of Fountain, and water deliveries are made through the Company's eight mile ditch to service historically irrigated areas under the ditch as well as to an augmentation station that measures direct flow water returning back to Fountain creek on behalf of shareholders. A 42-inch diameter 1,300 foot long siphon conveys ditch water flows under Jimmy Camp Creek to historically irrigated farmland to the south of the City of Fountain. During the 1940's the siphon was constructed from asphalt dipped corrugated steel pipe and has been in service for nearly 76 years. The structure has required significant repairs over the last few years. In reviewing the siphon's age, maintenance history and number of failures, the Company has concluded that the siphon has reached its useful life and the Company intends to rebuild the siphon prior to the 2017 irrigation season.



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Dixon Reservoir Dam Improvement

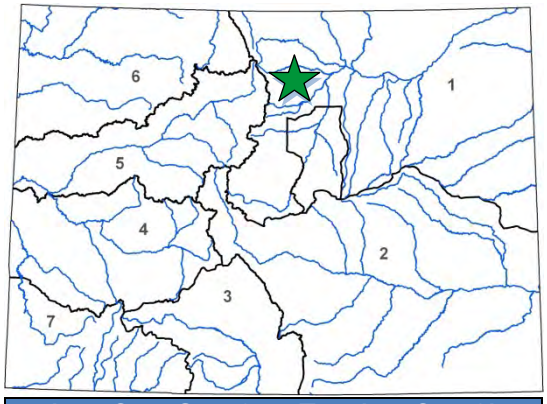
Dixon Canon Ditch and Reservoir Company

May 2016 Board Meeting

LOAN DETAILS	
Project Cost:	$309,000
CWCB Loan (with Service Fee):	$278,100
Loan Term and Interest Rate:	30 years @ 2.55%
Funding Source:	Construction Fund

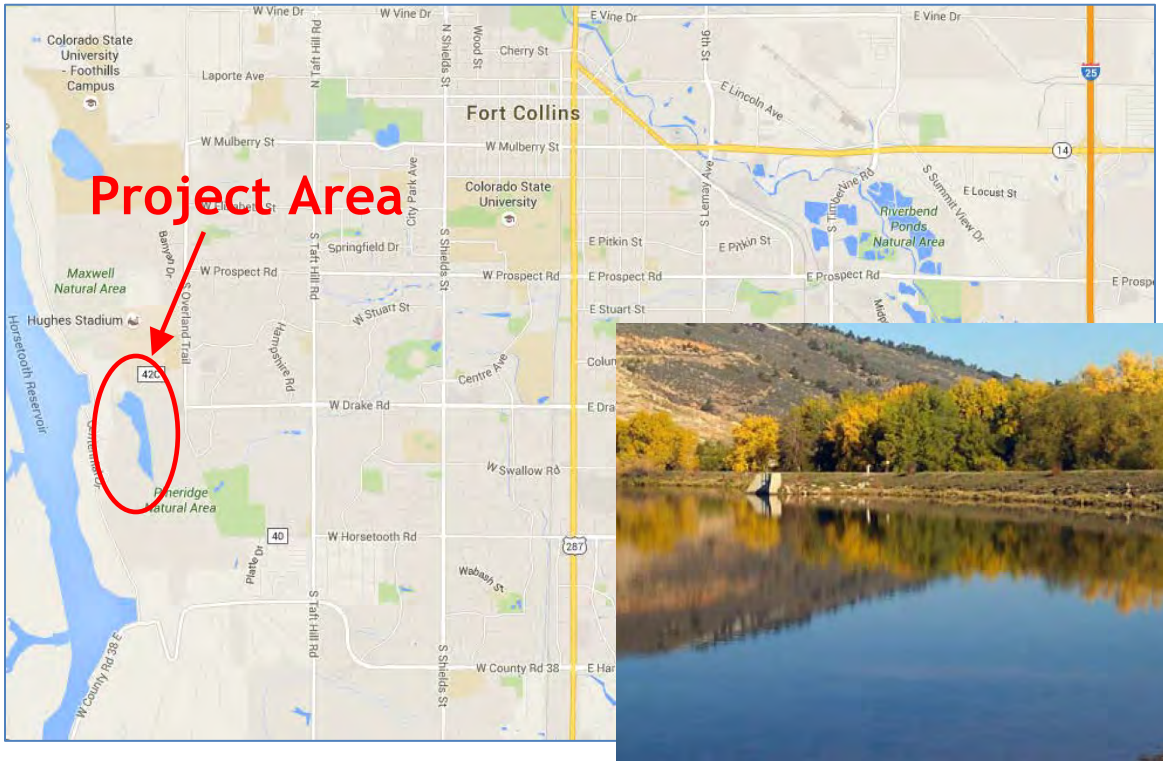
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
17%	0% Low - 83% Mid - 0% High	0%

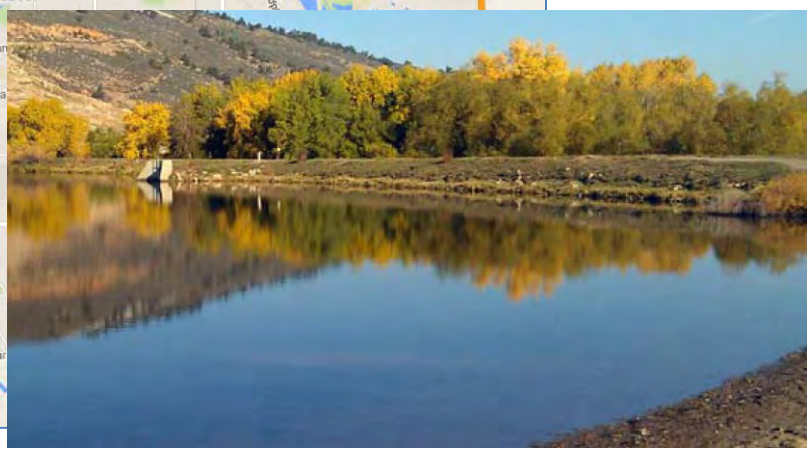
PROJECT DETAILS	
Project Type:	Dam Rehabilitation
Average Annual Delivery:	312 AF
Total Storage Effect:	412 AF



LOCATION			
County:			Larimer
Water Source:			Dixon Creek
Drainage Basin:			South Platte River
Division:	1	*District:*	3

Dixon Canon Ditch and Reservoir Company owns and operates the Dixon Reservoir Dam and associated ditch located in Larimer County on the west side of Fort Collins. Dixon Reservoir is directly east of Horsetooth Reservoir. The ditch diverts water off of Dixon Creek and provides water for outdoor irrigation to a 206-acre service area via approximately 9,000 feet of pipe and ditch. The water is typically used to irrigate turf, agricultural crops, and the City of Fort Collins parks and open space. The dam was constructed in 1885 and is classified as a Significant Hazard Dam by the Dam Safety Branch of the Office of the State Engineer (SEO). The Reservoir has a decreed storage volume of 412 acre-feet. Recent SEO inspections identified areas of seepage that need to be addressed in order to maintain the full storage decrees. The purpose of this project is to address seepage issues and improve the dam outlet works so the Company can continue providing an adequate amount of irrigation water to shareholders while minimizing the risk of dam failure. Construction is expected to begin in late 2016.





COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Piping the Duke Ditch

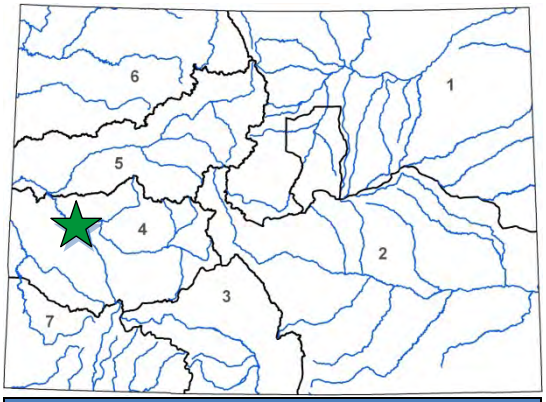
Duke Ditch Company

March 2016 Board Meeting

LOAN DETAILS	
Project Cost:	$749,374
CWCB Loan (with Service Fee):	$90,900
Loan Term and Interest Rate:	30 years @ 2.0%
Funding Source:	Construction Fund, WSRA, Salinity Control

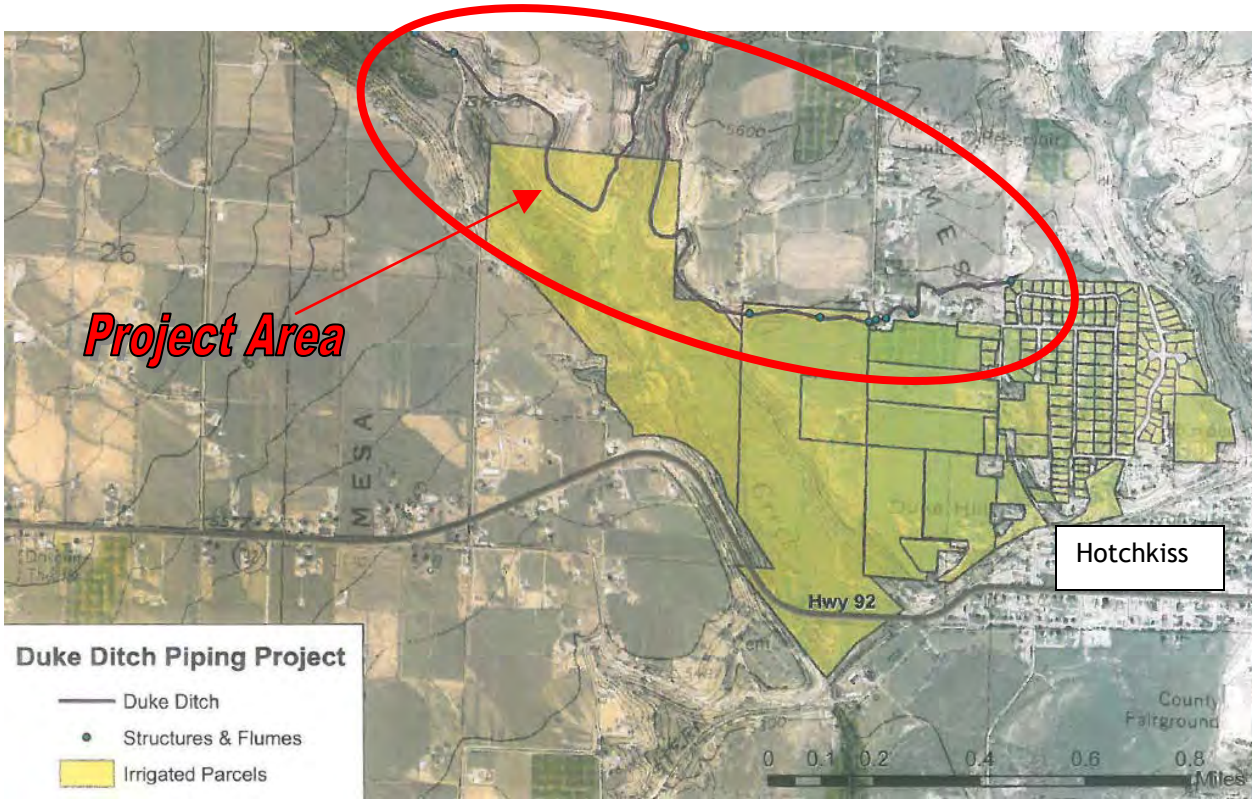
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
68%	32% Low - 0% Mid - 0% High	0%

PROJECT DETAILS	
Project Type:	Ditch Rehabilitation
Average Annual Delivery:	2,424 AF



LOCATION			
County:			Delta
Water Source:			Leroux Creek
Drainage Basin:			Gunnison
Division:	4	*District:*	42

The Duke Ditch Company diverts from Leroux Creek and Barrow Gulch, west of the Town of Hotchkiss, and delivers water through the Company's ditch to a 380-acre service area. The earthen ditch traverses a steep hillside in the Leroux Creek canyon where it is prone to washout and is subject to significant seepage and evaporative losses. As a result of the location, it has significant maintenance and aquatic vegetation growth issues. The deep percolation of irrigation water in this area contributes salinity and selenium to the Colorado River system; therefore, the Company obtained a $464,000 Salinity Control Program grant (61% of project costs) and a $100,900 NRCS grant (13% of project costs), as the project is expected to reduce salt loading to the Colorado River system by 395 tons/year. In addition, the Company is applying for a $47,237 basin grant and a $47,237 statewide grant from the Water Supply Reserve Account Grant Program to pipe the entire 2.7 miles of ditch. Construction is scheduled for the fall/winter of 2016/2017.



CWCB Water Project Loan Program
Project Data Sheet

C150359

Borrower: Town of Fowler, Water Enterprise

County: Otero

Project Name: Augmentation Pipeline Project

Project Type: Augmentation

Drainage Basin/ District: Arkansas / 17

Water Source: Arkansas River

Total Project Cost: $305,000

Funding Source: Construction Fund

Type of Borrower: Municipal (Low)

Average Annual Diversion: 157 AF

CWCB Loan: $277,245
(with 1% Service Fee)

Interest Rate: 2.25% **Term:** 30 years

The Town is located in Otero County along Highway 50, approximately 35 miles east of Pueblo. It has approximately 1,185 residents. The Town's water system service area includes the Town and adjacent areas within unincorporated Otero and Crowley Counties for a total of 709 taps. Per a water court mandate, the Town must separate its augmentation water from its stormwater. The purpose of this project is to construct a diversion box to separate stormwater from augmentation water and to pipe the augmentation water to the Arkansas River. Construction of the Project is scheduled for the fall of 2013 with completion expected to occur by the end of the year.

CWCB Water Project Loan Program
Project Data Sheet

Borrower: Town of Georgetown (Water and Sewer Enterprise)

County: Clear Creek County

Project Name: Outlet Works Modification Project **Project Type:** Dam Rehabilitation

Drainage Basin/District: South Platte / 7

Water Source: Clear Creek

Total Project Cost: $3,275,000

Funding Source: Construction Fund

Type of Borrower: Middle-Income Municipal

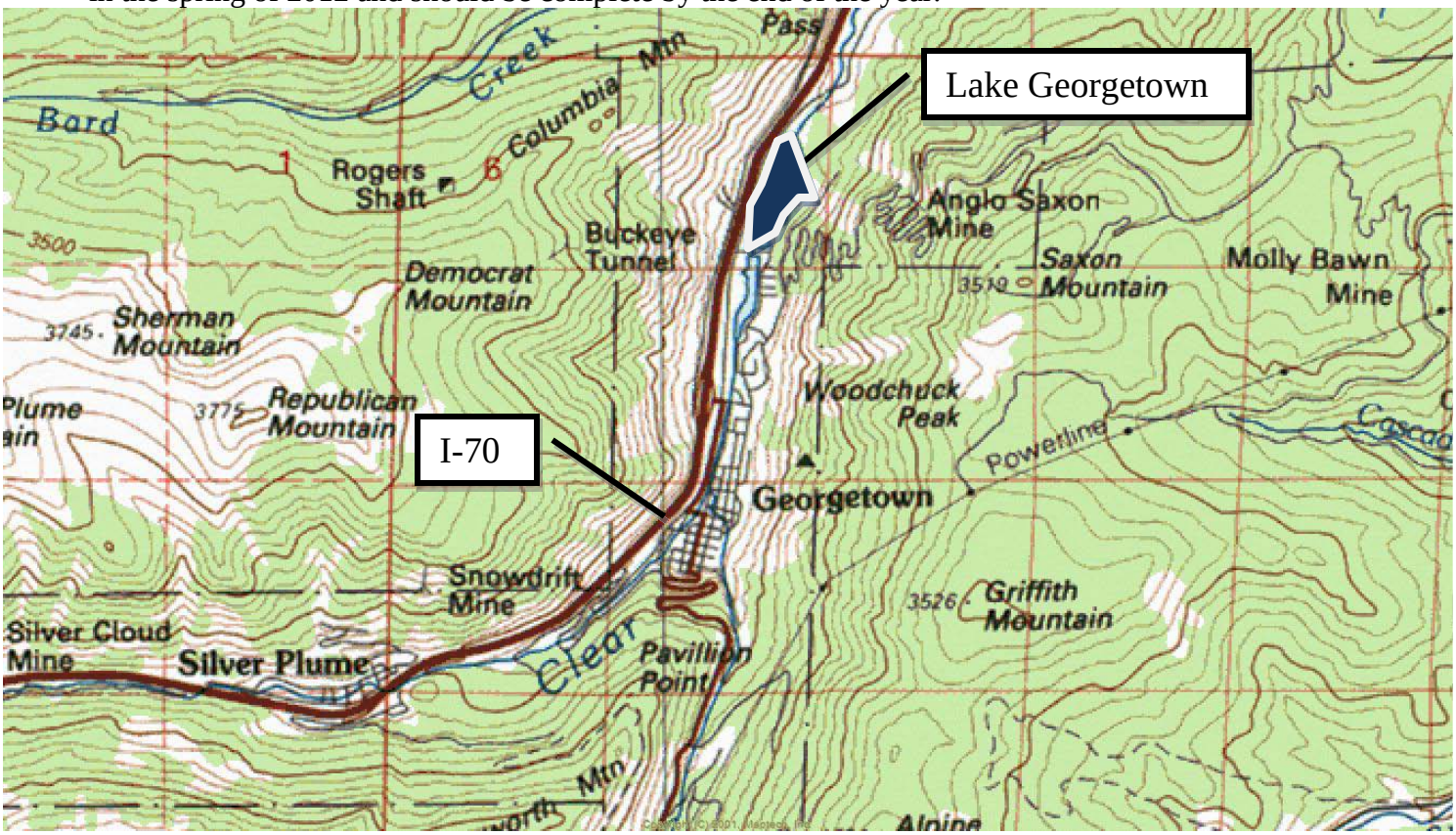
Average Diversion: 208 AF

CWCB Loan: $2,976,975 (w/ 1% service fee)

Interest Rate: 4.5%

Term: 30 years

The Town of Georgetown is located on Clear Creek, along the I70 corridor, east of the continental divide. The Town needs to increase the outlet works capacity at Georgetown Lake Dam. The outlet works currently can release up to 260 cfs. In order to comply with an October 2010 court order regarding Georgetown Lake operations, up to 500 cfs must be released so the Town can meet the terms of its augmentation plan. The CWCB loan will be used to pay for the engineering costs and for the construction costs associated with the outlet works project. Construction is expected to begin in the spring of 2012 and should be complete by the end of the year.



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Hallenbeck Reservoir No. 1 Dam Rehabilitation

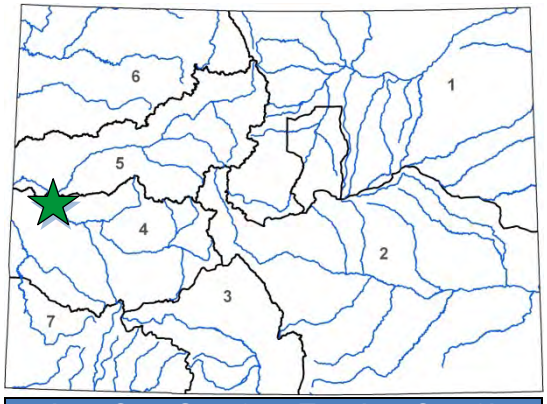
City of Grand Junction

March 2016 Board Meeting

LOAN DETAILS	
Project Cost:	$1,153,782
CWCB Loan (with Service Fee):	$1,010,000
Loan Term and Interest Rate:	20 years @ 2.65%
Funding Source:	Construction Fund and WSRA Grants

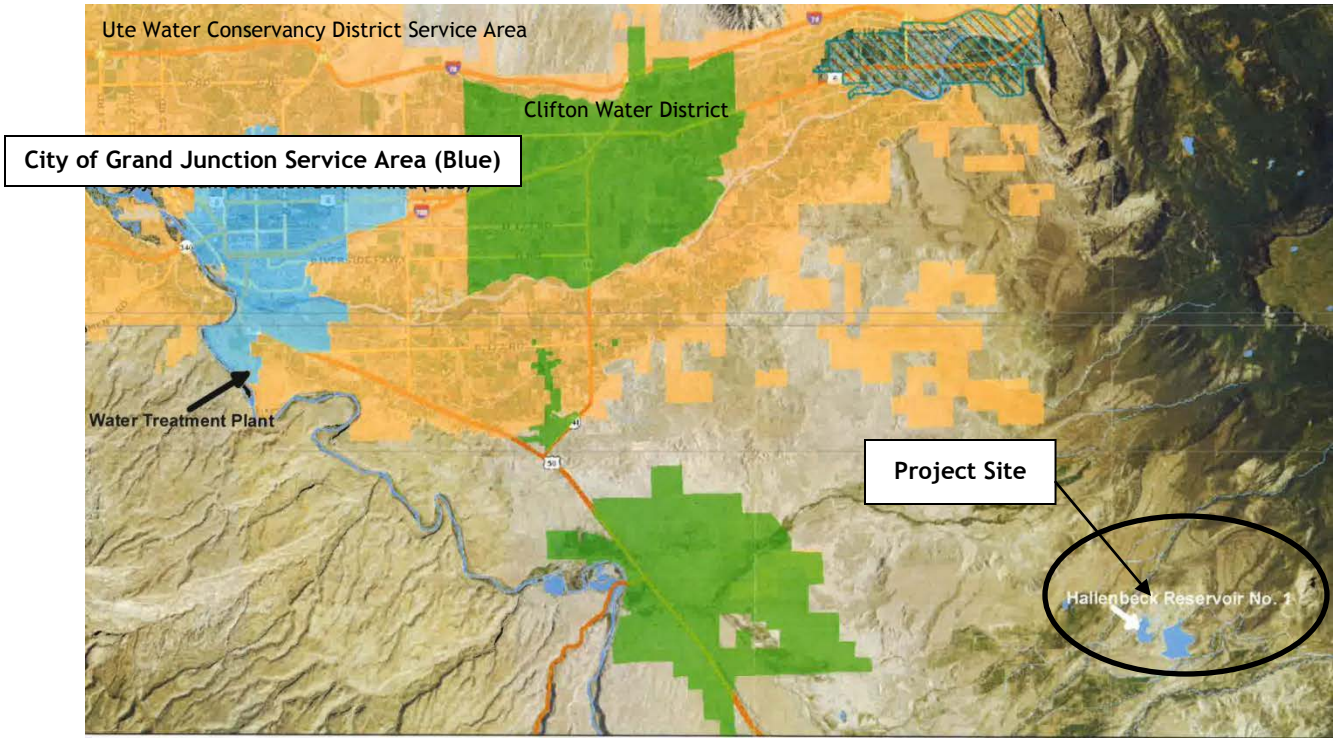
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
0%	0% Low - 100% Mid - 0% High	0%

PROJECT DETAILS	
Project Type:	Dam Rehabilitation
Average Annual Delivery:	5,218 AF
Recovered Storage:	699 AF



LOCATION			
County:			Mesa
Water Source:			Kannah Creek
Drainage Basin:			Gunnison
Division:	4	*District:*	42

Hallenbeck Reservoir No. 1 is one of the City of Grand Junction's 14 reservoirs. It has a capacity of 699 acre-feet. In 2014 the City of Grand Junction developed plans to mitigate seepage through the dam; however, during the evaluation process, seepage increased and an 80-foot crack developed on the downstream face of the dam. Water was immediately released from the reservoir in an effort to relieve hydrostatic pressure within the dam. The City completed a forensic evaluation of the dam that included a geotechnical investigation and structural evaluation. The purpose of this project is to repair the dam to allow the City to use all if the storage capacity. Construction involves removal of several feet of material on the downstream face of the dam, removal of the existing toe drain system, installation of a blanket filter on the downstream face, installation of a new toe drain system, installation of a buttress on the downstream face, and installation of new piezometers and monuments. This will allow the City to make use of its 1939 absolute irrigation right, and 1993 conditional municipal right. Construction is expected to occur in the summer of 2016.



CWCB Water Project Loan Program
Project Data Sheet

Borrower: Grand Mesa Water Conservancy District

County: Delta

Project Name: Peak Reservoir and Blanche Park Reservoir Rehabilitation

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: Gunnison / 40

Water Source: Surface Creek

Total Project Cost: $640,000

Funding Source: Construction Fund/ WSRA Gunnison Basin Funds

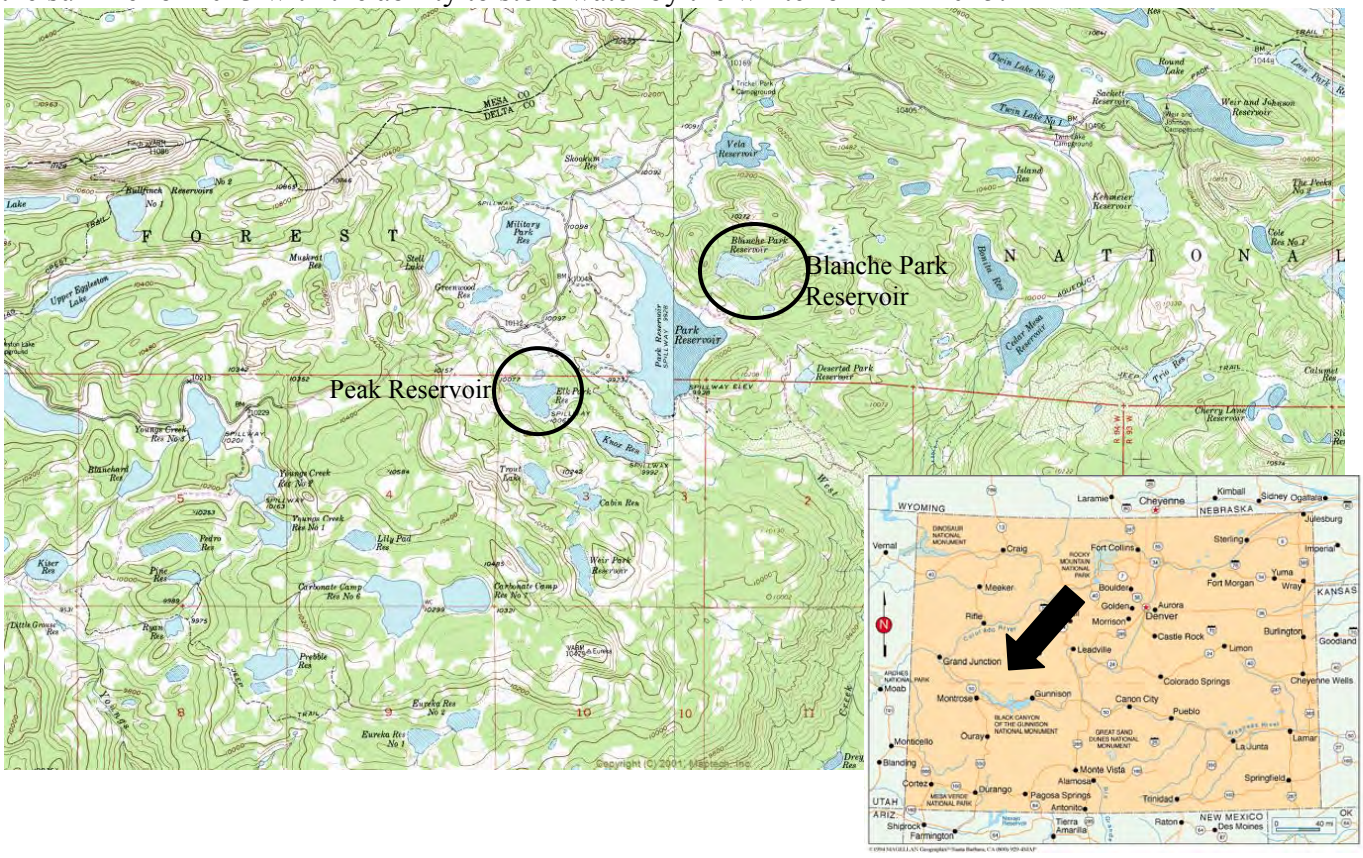
Type of Borrower: Municipal/Agricultural

Average Annual Diversion: 400 AF
Storage Added: 155 AF

CWCB Loan: $227,250
(with 1% Service Fee)

Interest Rate: 1.55%* **Term:** 20 years
(Reduced from 1.8% blended rate)

The Grand Mesa Water Conservancy District owns several reservoirs and a network of ditches to service agricultural users and municipal users including the Town of Orchard City and Cedaredge. It is requesting a loan to rehabilitate Peak Reservoir and Blanche Park. Both reservoirs are located in the Grand Mesa National Forest and have not been used in nearly 50 years. The District has already contributed $352,500 towards Project costs and has also been awarded $75,000 in Water Supply Reserve Account (WSRA) Gunnison Basin Roundtable grant funds. Peak Reservoir involves earthwork on the dam and new outlook works. Blanche Park reservoir work will be a complete rebuilding of the dam. Construction is expected to resume in the summer of 2013 with the ability to store water by the winter of 2014-2015.



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Government Highline Canal Lining

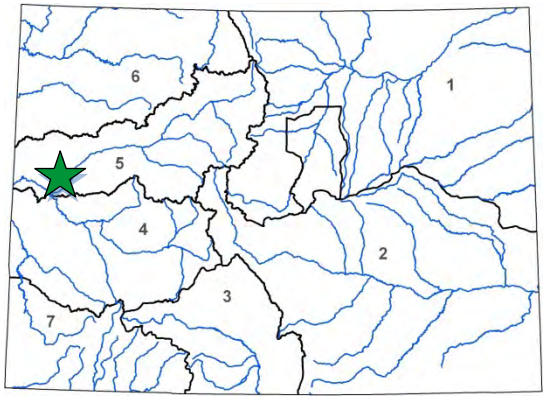
Grand Valley Water Users Association

September 2016 Board Meeting

LOAN DETAILS	
Project Cost:	$800,000
CWCB Loan (with Service Fee):	$151,500
Loan Term and Interest Rate:	30 Years @ 1.55%
Funding Source:	Construction Fund

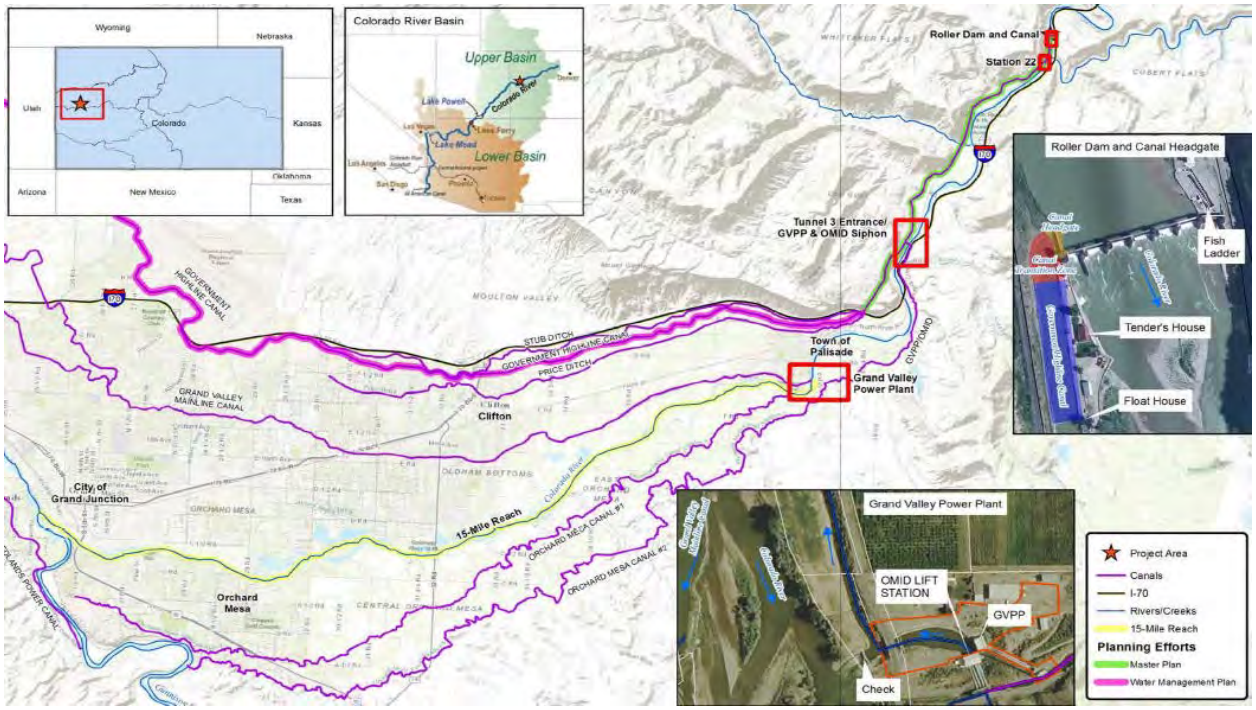
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
90%	0% Low - 10% Mid - 0% High	0%

PROJECT DETAILS	
Project Type:	Ditch Rehabilitation
Average Annual Delivery:	260,000 AF



LOCATION			
County:			Mesa
Water Source:			Colorado River
Drainage Basin:			Colorado
Division:	5	*District:*	72

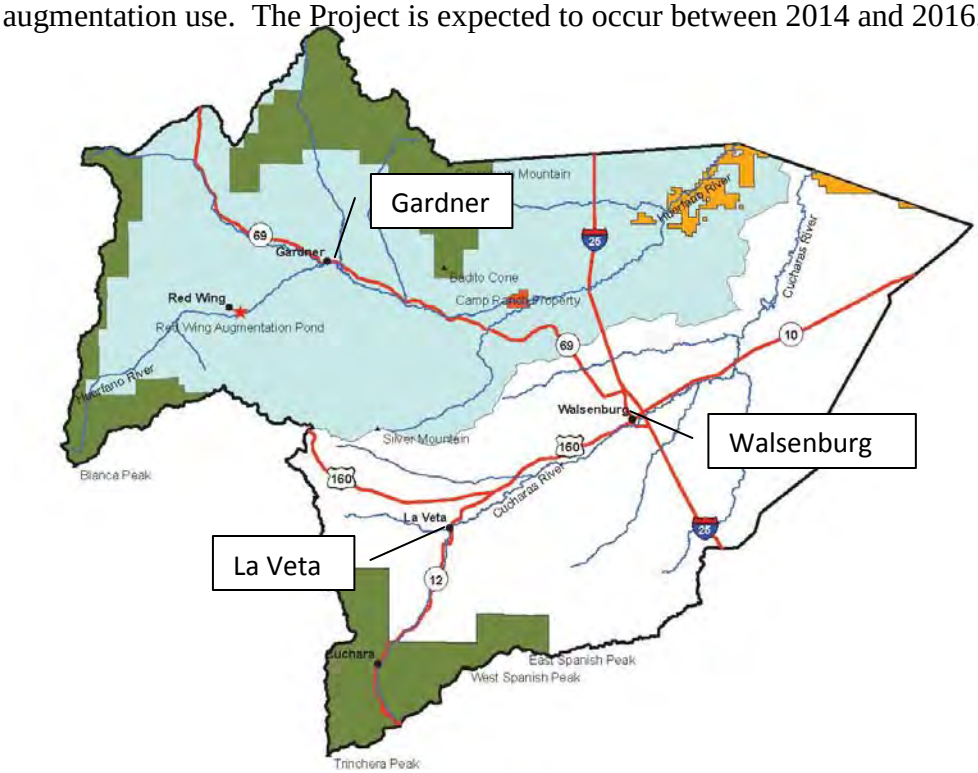
The Grand Valley Water Users Association (Association), is requesting funding for the Government Highline Canal Lining Project. The Association is the managing entity of the Bureau of Reclamation's Grand Valley Project. The Grand Valley Project facilities include the Grand Valley Diversion Dam (also known as the Roller Dam) on the Colorado River in De Beque Canyon, the 55-mile-long Government Highline Canal,150 miles of project operated laterals, 100 miles of drainage ditches, and a hydroelectric power plant. The embankment immediately below the Roller Dam is relatively narrow and separates the Government Highline Canal from the Colorado River. This section of canal was constructed around 1915. Over the last 100 years the embankment has slumped, settled and degraded. Occasional erosion within the embankment has led to material loss and sinkholes. As a result of canal degradation, water flow is restricted and the canal cross section has been reduced, causing a reduction in capacity of the canal channel. The canal is currently physically restricted to approximately 1,600 cfs while the water rights are for 1,730 cfs. To increase the capacity, the Association intends to improve first 500 feet of the canal. Permitting and final design are scheduled for completion by March 2017. Construction is anticipated in summer and fall of 2017.



Water Project Loan Program
Project Data Sheet

Borrower:	Huerfano County Water Conservancy District	**County:**	Huerfano
Project Name:	Regional Augmentation Project	**Project Type:**	Water Rights Acquisition and Augmentation
Drainage Basin:	Arkansas / District 67	**Water Source:**	Huerfano River
Total Project Cost:	$3,050,000	**Funding Source:**	Construction Fund
Type of Borrower:	Low-Income Municipal	**Avg. Annual Diversions:**	19.5 AF
CWCB Loan:	$2,222,000 (w/ 1% service fee)	**Interest Rate:**	2.25% **Term:** 30 years

The Huerfano County Water Conservancy District is applying for a CWCB loan to develop a regional augmentation program to replace depletions of wells in unincorporated communities in Huerfano County through a regional augmentation program. Within Huerfano County there are many water users that are at risk of being curtailed due either to being out of priority or due to failing (or failed) augmentation plans. The users include schools and domestic, commercial, and agricultural users. The District has utilized a Substitute Water Supply Plan and Regional Rule 14 Replacement Plan from 2009 to 2013 to provide augmentation water to five entities that were in danger of having water use curtailed due to out of priority usage. The District believes that other water users will find it necessary to join the regional augmentation plan and the Division Engineer has indicated an urgent need for such a plan. Project components include: the purchase of land and water rights, the construction of a recharge reservoir, and the construction of a reservoir for augmentation use. The Project is expected to occur between 2014 and 2016.



CWCB Water Project Loan Program
Project Data Sheet

Borrower: Lake Durango Water Authority **County**: La Plata

Project Name: Source Water Supply Project **Project Type:** Water Rights Purchase/Infrastructure

Drainage Basin: San Juan / Dolores **Water Source:** ALP

Total Project Cost: $3,000,000 **Funding Source:** Construction Fund and WSRA Statewide Funds

Type of Borrower: Low-income Municipal **Average Delivery:** 309 AF

CWCB Loan: $2,525,000 (w/ 1% service fee) **Interest Rate:** 4.0% **Term:** 30 years
WSRA Statewide Grant: ~~$500,000~~ **$450,000**

The Lake Durango Water Authority serves 1,435 taps in southwest La Plata County. A safe yield analysis has indicated that the Authority can only supply water to 792 taps in a drought year. This was an issue in the 2002-2003 drought, so the Authority is seeking additional supply and storage to safely serve its customers. The Authority is planning on purchasing 100 AF of A-LP water from the Colorado Water Resources and Power Development Authority, constructing a pump station at Lake Nighthorse, building an access road, and installing a pipeline to bring water from Lake Nighthorse to Lake Durango (where the Authority currently stores the majority of its water).

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Lake McIntosh Outlet Works Repair

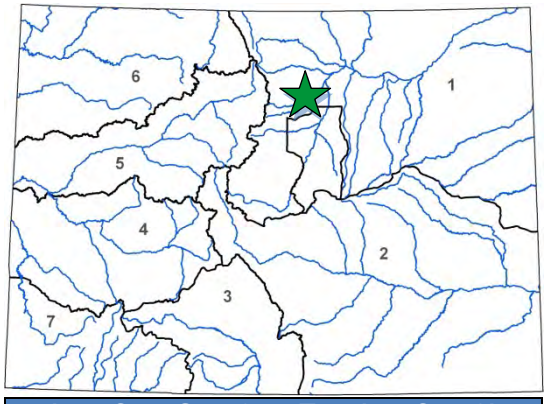
Lake McIntosh Reservoir Company

January 2016 Board Meeting

LOAN DETAILS	
Project Cost:	$1,900,000
CWCB Loan (with Service Fee):	$1,727,100
Loan Term and Interest Rate:	30 Years @ 2.70%
Funding Source:	Construction Fund

BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
28%	0 % Low - 61% Mid - 9% High	2 %

PROJECT DETAILS	
Project Type:	Reservoir Rehabilitation
Average Annual Delivery:	1,533 AF
Storage Preserved:	2,476 AF

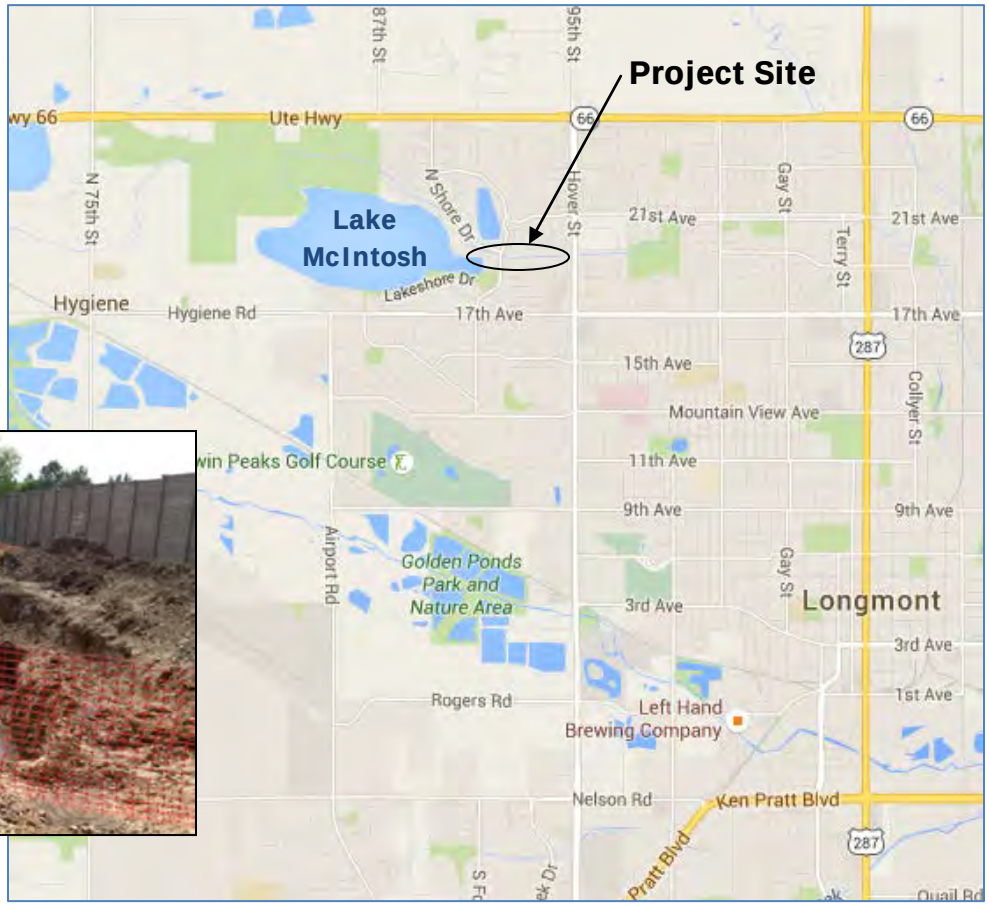


LOCATION			
County:			Boulder
Water Source:			St. Vrain Creek
Drainage Basin:			South Platte River
Division:	1	*District:*	5

Lake McIntosh Reservoir Company is a mutual irrigation reservoir company formed in 2001. The Company owns Lake McIntosh Reservoir which is used as part of an exchange between the Highland Ditch Company and the Oligarchy Ditch Company.

The reservoir was constructed in 1890 and enlarged in 1902. In May 2015, a section of the reservoir's outlet pipe collapsed, creating a sinkhole which deposited soil in the outlet works pipes downstream for approximately 300 feet. This has rendered the reservoir's outlet works unusable and thus water cannot be delivered without the use of a temporary pump. The goal of this project is to restore the reservoir's functionality by repairing its damaged outlet works. Construction is planned to begin in summer 2016 and completed by winter, prior to the 2017 irrigation season.

May 2015 Sinkhole



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Repurposing of Wells 12 and 13

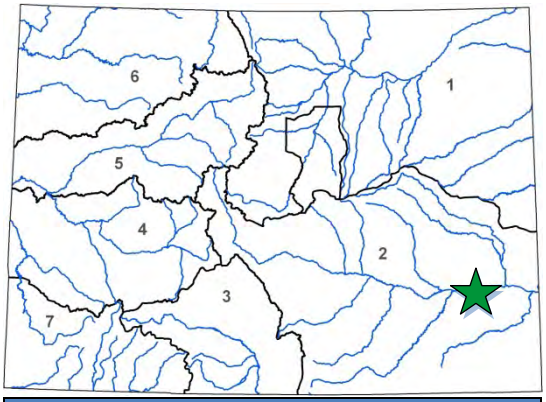
City of Lamar

September 2015 Board Meeting

LOAN DETAILS	
Project Cost:	$400,000
CWCB Loan (with Service Fee):	$101,000
Loan Term and Interest Rate:	10 Years @ 1.95%
Funding Source:	WSRA & Sev. Tax Perpetual Base Fund

BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
0%	100% Low - 0% Mid - 0% High	0%

PROJECT DETAILS	
Project Type:	Municipal & Industrial
Average Annual Delivery:	2,005 AF



LOCATION			
County:			Prowers
Water Source:			Arkansas River
Drainage Basin:			Arkansas River
Division:	2	*District:*	67

The City of Lamar, through its Water and Wastewater Department, has been providing the city with water and sewer services for over 135 years. Although the City has undertaken numerous upgrades, rehabilitation, and expansion projects over the years, most of the existing infrastructure was funded and built during New Deal-era programs. The City's Wells 12 and 13 were developed in the 1950s and used for municipal potable water supply until 2012, when Microscopic Particulate Analysis water quality testing was conducted, resulting in a reclassification of both wells as Ground Water Under Direct Influence of Surface Water (GWUDI) by the Colorado Department of Public Health and Environment (CDPHE). The wells were taken out of service at that time. A Feasibility Study conducted in 2014 concluded that it is feasible to redevelop both wells for non-potable irrigation use. Once this project is completed, water can be used for any non-potable municipal application, including irrigation of a city-owned cemetery and a golf course, both of which are currently watered with potable water.

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Headgate Structure Replacement

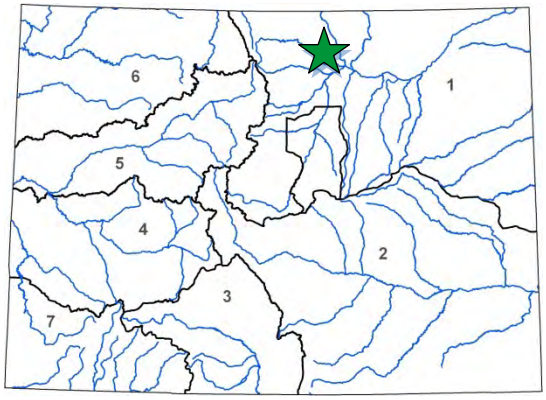
Larimer and Weld Irrigation Company

September 2016 Board Meeting

LOAN DETAILS	
Project Cost:	$750,000
CWCB Loan (with Service Fee):	$681,750
Loan Term and Interest Rate:	30 Years @ 1.5%
Funding Source:	Construction Fund

BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
96%	0% Low - 4% Mid - <1% High	0%

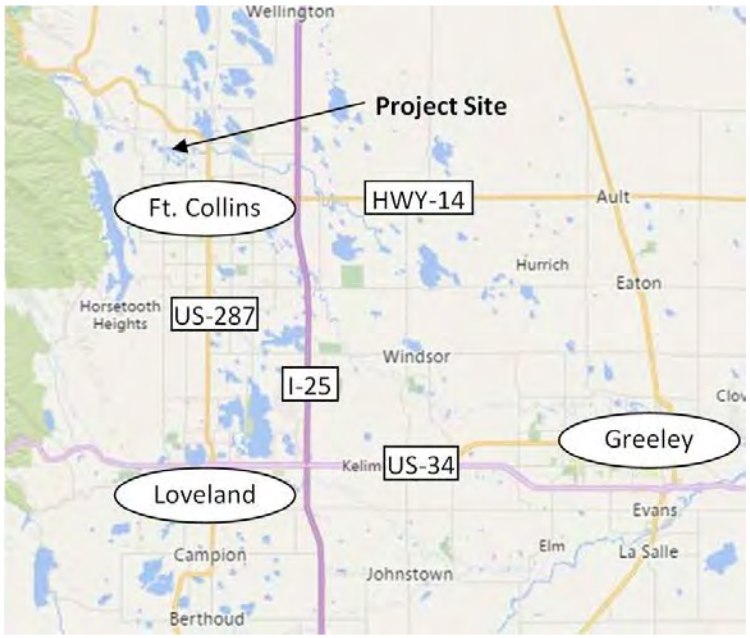
PROJECT DETAILS	
Project Type:	Ditch Rehabilitation
Average Annual Delivery:	85,000 AF

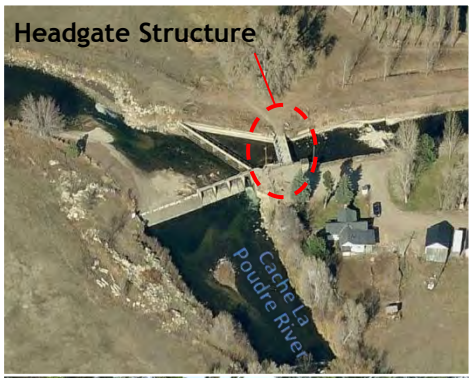


LOCATION			
County:			Larimer & Weld
Water Source:			Cache la Poudre River
Drainage Basin:			South Platte
Division:	1	*District:*	3

The Larimer and Weld Irrigation Company is a Colorado Mutual Ditch Company and a nonprofit corporation. The Company's service area extends from the Cache la Poudre River diversion north of Fort Collins, east to near the town of Galeton, encompassing approximately 61,000 acres of irrigated land in Larimer and Weld Counties. The Company's diversion off the Cache la Poudre River is aging and in need of repair. This Project will focus on replacing the headgate structure, including the concrete structure, gates, and gate operators. The replacement of the trash rack and forebay structure, and repairs to the diversion structure, are planned to take place within the next few years and are not a part of this Project.

The City of Fort Collins has developed a flood control plan for the Dry Creek Basin, which in part uses the Larimer & Weld Ditch as a conveyance for flood flows in Dry Creek. Therefore, should a flood occur in the Dry Creek Basin, it is of great importance for life, safety, and prevention of property damage, that the ditch's upstream headgate off the Poudre River be able to close so there is capacity available in the ditch to handle flood flows. Construction activities will include the replacement of the concrete structure, new gates and operators, and a new control building. Construction is expected to occur between the 2016 and 2017 irrigation seasons.





COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Upper Beaver Brook Dam Spillway

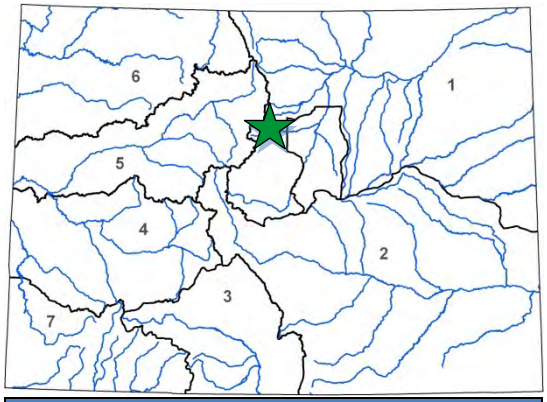
Lookout Mountain Water District

November 2015 Board Meeting

LOAN DETAILS	
Project Cost:	$3,410,000
CWCB Loan:	$3,099,690
Loan Term and Interest Rate:	30 years @ 3.25%
Funding Source:	Construction Fund

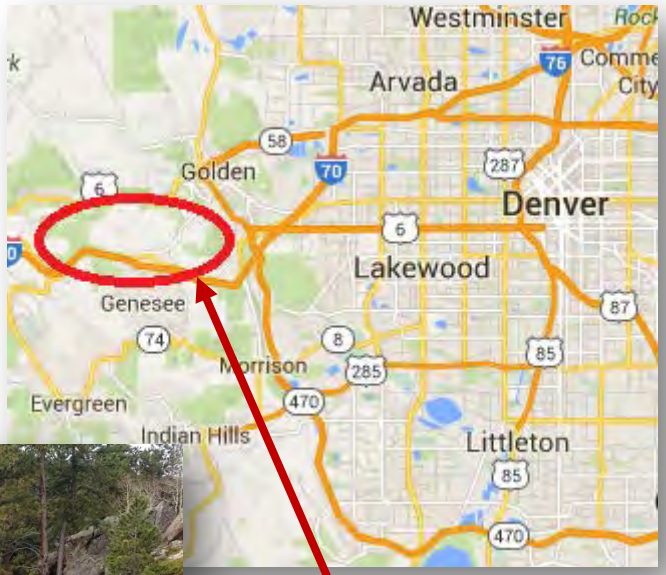
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
0%	High-income 100%	0%

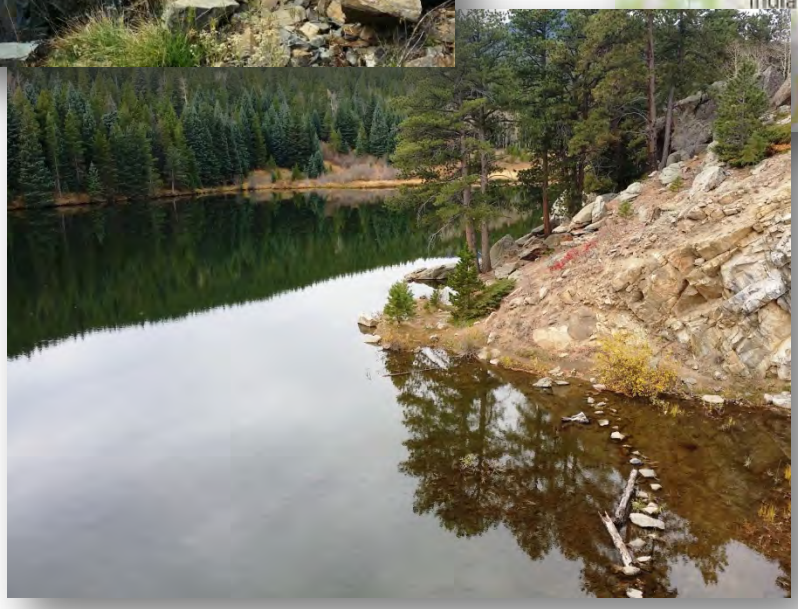
PROJECT DETAILS	
Project Type:	Reservoir Enlargement
Average Annual Diversion:	107 acre-feet
Added Reservoir Storage:	134 acre-feet



LOCATION			
County:	Clear Creek		
Water Source:	South Fork Beaver Brook		
Drainage Basin:	South Platte River		
Division:	1	*District:*	7

The Lookout Mountain Water District, a drinking water provider with 565 taps in Jefferson County, seeks to increase the storage capacity of the Upper Beaver Brook Dam. By designing and constructing a new labyrinth spillway structure in the location of the existing spillway, a raise in the normal reservoir pool elevation will provide approximately 140 acre-feet of additional storage.





Water Project Loan Program - Project Data

Borrower: City of Monte Vista (Water Activity Enterprise)

County: Rio Grande

Project Name: Augmentation Water Rights Acquisition

Project Type: Water Rights Purchase

Drainage Basin: Rio Grande

Water Source: Rio Grande River

Total Project Cost: $1,863,500

Funding Source: Construction Fund

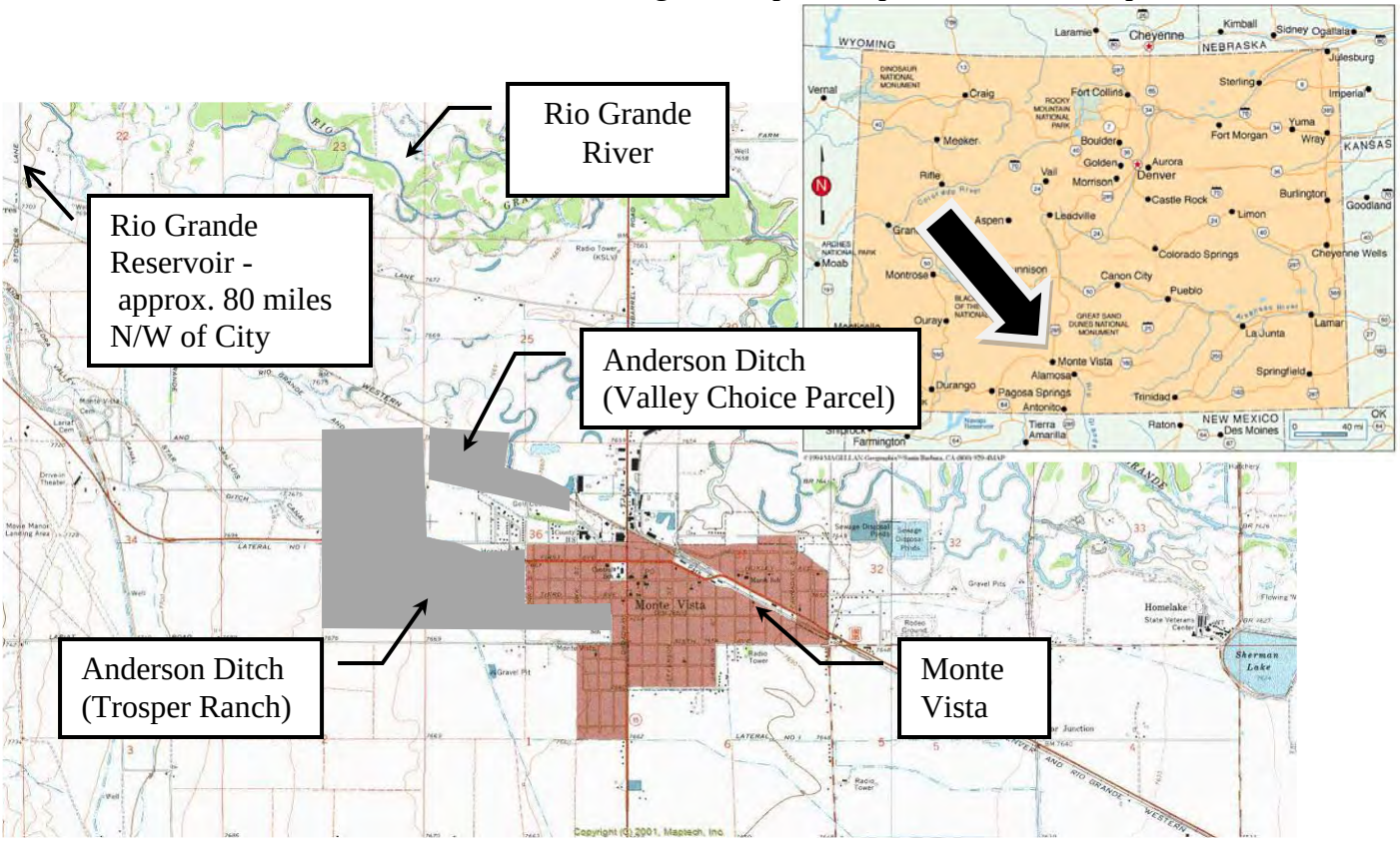
Type of Borrower: Low-Income Municipal

Aver. Demand: 1,212 AF/year

CWCB Loan: $1,693,770 (incl. 1% loan fee)

Interest Rate: 4.0% **Term:** 30 years

The City of Monte Vista, by and through its water activity enterprise, provides water to 4,300 residents in the San Luis Valley. The City's water system consists of five wells in a confined aquifer and three wells in an unconfined aquifer. Upcoming rules from the Office of the State Engineer will require water users in the San Luis Valley to replace depletions from pumping of wells in both the confined and unconfined aquifers tributary to the Rio Grande River. The water rights currently owned by the City are insufficient to fully replace the City's depletions. The City needs an additional 321 AF of replacement water. In order to meet this need, the City is purchasing Anderson Ditch water rights and storage in the Rio Grande Reservoir to store both the excess credits from the water it is purchasing and to store additional water it intends on leasing. Upon loan approval, the City plans on executing purchase agreements with the sellers of the Anderson Ditch rights and will then file in water court to enable the use of those rights to replace depletions as soon as possible.



Location Map

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Reservoir No. 4 Rehabilitation

North Poudre Irrigation Company

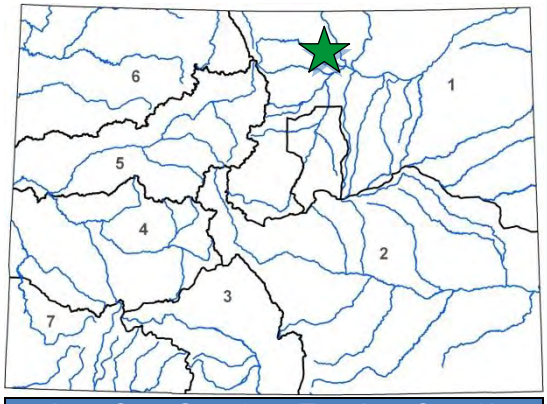
January 2016 Board Meeting

(Loan Increase)

LOAN DETAILS	
Project Cost:	$2,490,000
CWCB Loan (with Service Fee):	$2,263,410
Loan Term and Interest Rate:	30 Years @ 2.35%
Funding Source:	Construction Fund

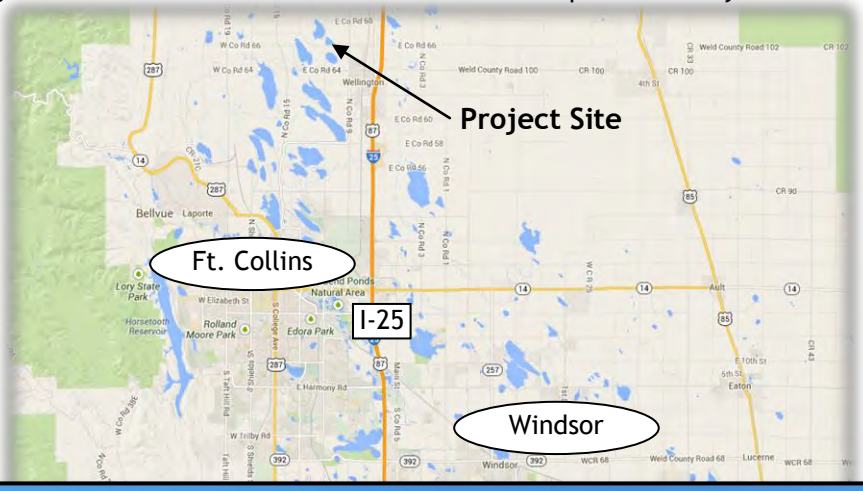
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
37%	1% Low - 57% Mid - 4% High	<1%

PROJECT DETAILS	
Project Type:	Reservoir Rehabilitation
Average Annual Delivery:	44,400 AF
Storage Preserved:	1,781 AF



LOCATION			
County:			Larimer
Water Source:			Cache la Poudre River
Drainage Basin:			South Platte
Division:	1	*District:*	3

The North Poudre Irrigation Company is a mutual ditch company established in 1901. The Company's office is located in Wellington with a service area of approximately 28,000 irrigated acres of farm land. Reservoir No. 4 is an off stream reservoir constructed in the late 1880s, enlarged in the 1920s, and had the outlet works replaced in the late 1950s. The Reservoir No. 4 Rehabilitation Project will modify the dam including its slope, outlet works, drains, spillway, and measurement structure and will also provide a new parking area and floodplain improvements. The purpose of the project is to lift the State Engineer's storage restriction on the reservoir and dam and improve the overall reservoir facility. Project costs have increased from the feasibility cost estimate as a result of design changes and bids received in September 2015. Reservoir construction began in November 2015 and is scheduled for completion in May 2016.



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Rehabilitation of the Livermore Irrigation Tunnel

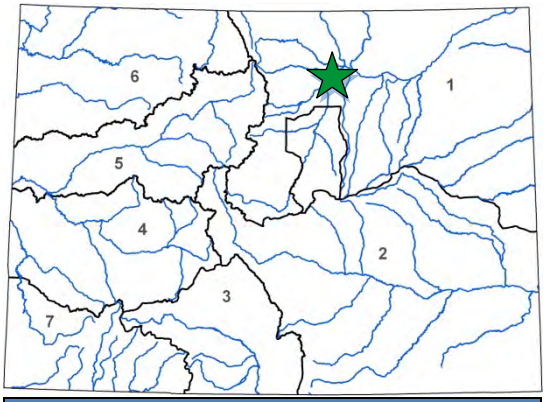
North Poudre Irrigation Company

July 2016 Board Meeting

LOAN DETAILS	
Project Cost:	$ 1,597,000
CWCB Loan (with Service Fee):	$ 1,451,673
Loan Term and Interest Rate:	30 years @ 2.25%
Funding Source:	Construction Fund

BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
26%	0% Low - 73% Mid - 0% High	1%

PROJECT DETAILS	
Project Type:	Ditch Rehabilitation
Average Annual Delivery:	44,400 AF



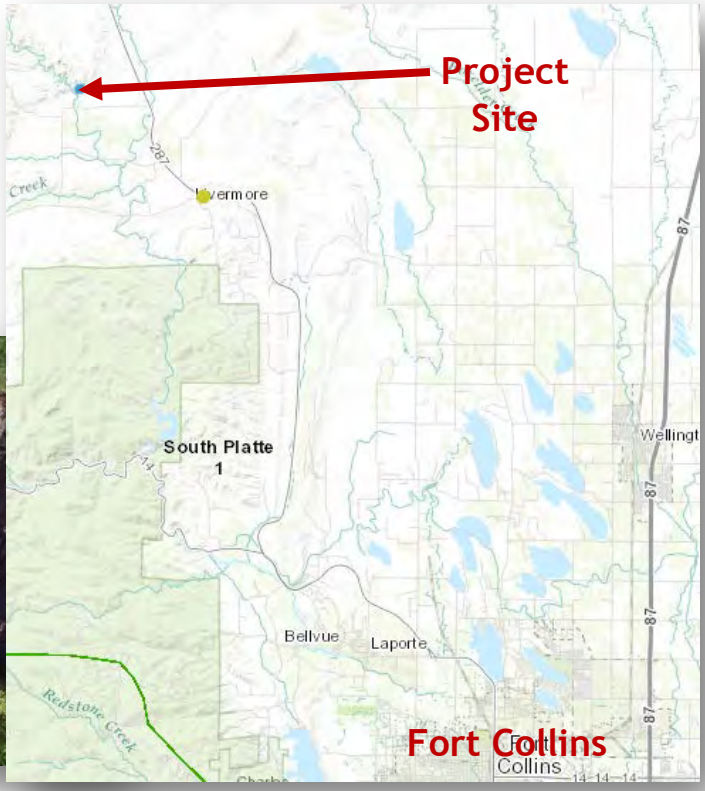
LOCATION			
County:			Larimer
Water Source:			Cache la Poudre River
Drainage Basin:			South Platte River
Division:	1	*District:*	3

The North Poudre Irrigation Company service area encompasses approximately 300 square miles, including 160 square miles of service area under the North Poudre Canal (36 square miles of irrigated acreage),as well as additional service areas covering 14 communities and municipal water providers that own NPIC shares.

The Livermore Tunnel carries water diverted from the North Poudre Canal headgate, located on the north side of the North Fork Cache la Poudre River, for approximately 4,900 feet before it is discharges into an earth-lined open canal and flows on toward the Buckeye Lateral, Park Creek Reservoir, and the Company's downstream delivery infrastructure.

The Livermore Tunnel consists of two tunnels connected by a short section of open channel. The tunnels are approximately 8.5 feet high and 8 feet wide with a concrete invert along the entire tunnel length. The tunnels are considered generally stable with the exception of six collapse zones where large piles of rock and debris have accumulated in the base of the tunnel, ponding up to three feet of water and restricting the overall flow capacity. The geometry of the collapse zones varies; however, the disrupted zones were estimated visually to be up to 45 feet high and 35 feet wide. An ongoing concern is of roof or partial collapse in the tunnel, which could result in severe disruption of water service for 14 communities and over 200 farms. The project will also include proactive repairs to an additional ten shear/void areas.

Construction is scheduled for the fall/winter of 2016/2017.



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Dam Outlet Works Rehabilitation

Oligarchy Irrigation Company

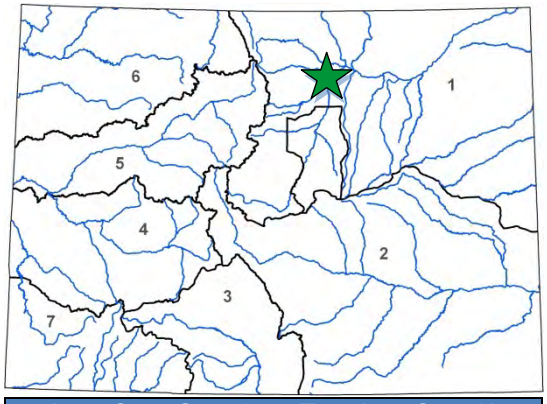
May 2016 Board Meeting

(Loan Increase)

LOAN DETAILS	
Project Cost:	$992,200
CWCB Loan (with Service Fee):	$901,930
Loan Term and Interest Rate:	30 Years @ 2.40%
Funding Source:	Construction Fund

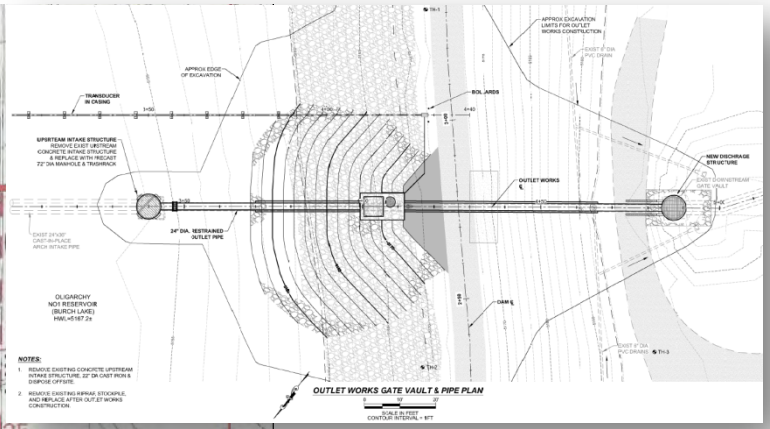
BORROWER TYPE		
Agriculture	*Municipal (TBD)*	*Commercial*
25.4%	0% Low - 74.6% Mid - 0% High	0%

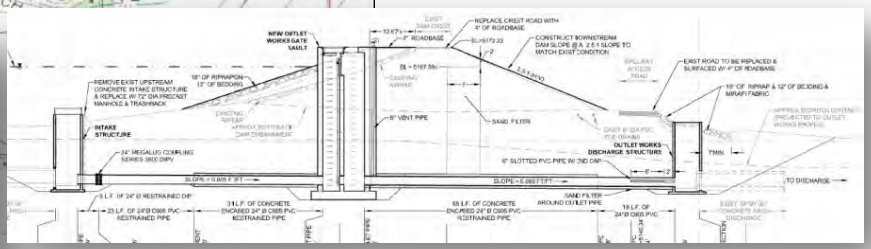
PROJECT DETAILS	
Project Type:	Dam Rehabilitation
Average Annual Delivery:	7,966 AF
Water Supply Storage Preserved:	1,737 AF



LOCATION			
County:			Boulder
Water Source:			St Vrain Creek
Drainage Basin:			South Platte
Division:	1	*District:*	5

The Oligarchy Irrigation Company owns and operates the Oligarchy Res No. 1 Reservoir, also known as Burch Lake. The reservoir stores 1,737 acre-feet of water and is classified as a significant hazard dam by the Office of the State Engineer (SEO). The purpose of the project is to avoid a SEO storage restriction by rehabilitate the reservoir's outlet works. Work is to include a new unpressurized outlet pipe, an upstream guard gate, and a way to inspect the outlet works system. Bids were received in April 2016 and were higher than the original construction estimate. Construction is expected to start in summer 2016 and be complete by fall 2016.





COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Orchard Ranch Ditch Pipe Project

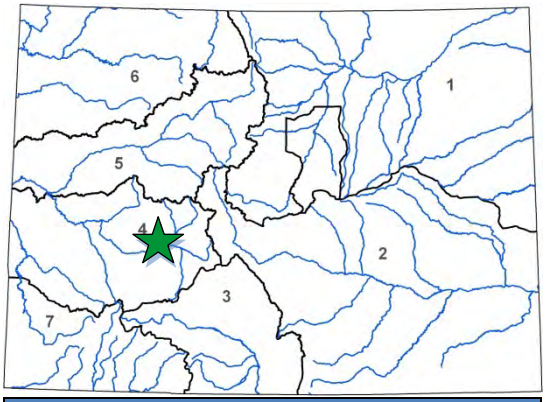
Orchard Ranch Ditch Company

January 2016 Board Meeting

LOAN DETAILS	
Project Cost:	$1,430,720
CWCB Loan (with Service Fee):	$151,500
Loan Term and Interest Rate:	30-Years @ 1.95%
Funding Source:	Severance Tax Perpetual Base Fund

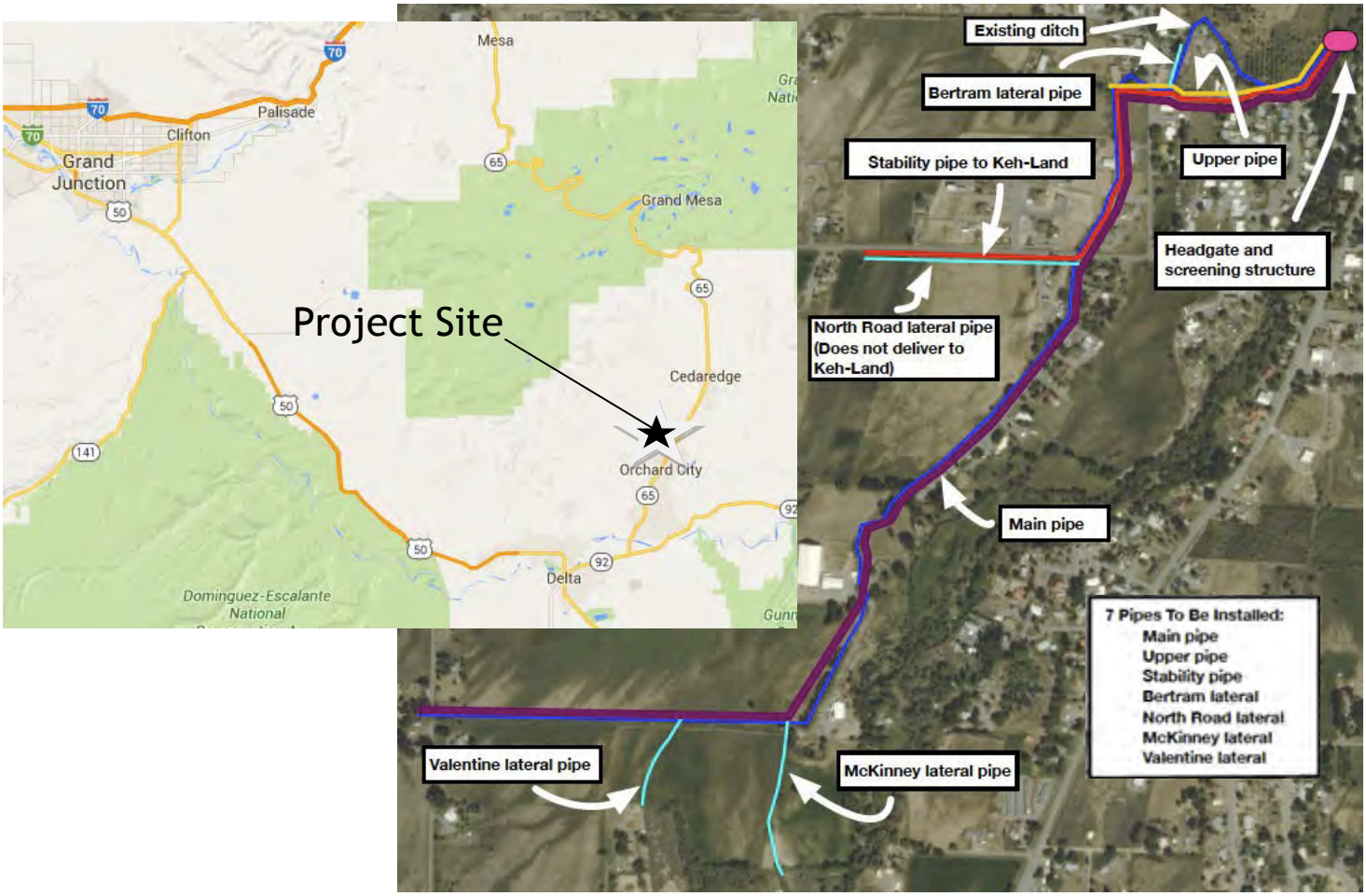
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
86%	14% Low - 0% Mid - 0% High	0%

PROJECT DETAILS	
Project Type:	Ditch Rehabilitation
Average Annual Delivery:	2,750 AF



LOCATION			
County:			Delta
Water Source:			Surface Creek
Drainage Basin:			Gunnison River
Division:	4	*District:*	40

The Company serves approximately 350 irrigated acres in Delta County, approximately 10 miles north of the town of Delta, diverting all its supplies via a concrete diversion structure on Surface Creek. The Company's ditch was constructed in the late 1800s by a group of early settlers cooperating to get water to their new farms, and has been in continuous operation since that time. The proposed project will pipe the 1.6 mile long main earthen canal and portions of 4 laterals. The project will be done in conjunction with the U.S. Bureau of Reclamation's Colorado River Basin Salinity Control Program. Approximately 90% of project costs will be provided by a grant from the the U.S. Bureau of Reclamation. Construction is expected to begin in mid-2016 with completion by mid-2017.



CWCB Construction Loan Program
Project Data Sheet

Borrower: Overland Ditch and Reservoir Co. **County**: Delta

Project Name: Overland Reservoir Enlargement **Project Type:** Reservoir Enlargement

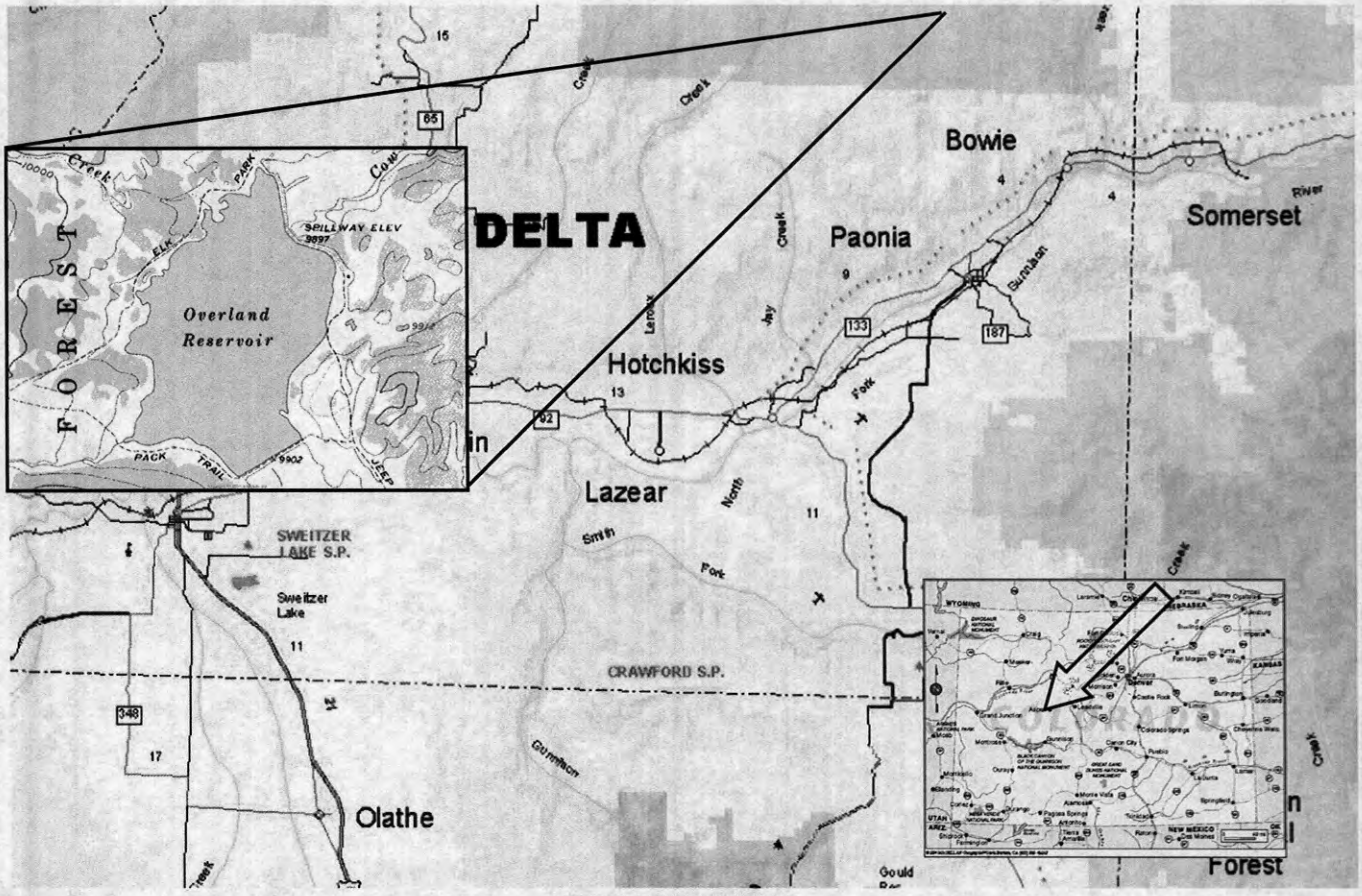
Drainage Basin: Gunnison River Basin **Water Source**: Cow Creek

Total Project Cost: $1,255,555 **Funding Sources:** CWCB & Local Bank

Type of Borrower: Agricultural **Average Delivery:** 17,000 acre-feet

Loan Amount: $1,130,000 **Interest Rate:** 2.5% **Term:** 30 years

The Overland Reservoir Company is a non-profit mutual ditch company established in the State of Colorado in 1895. The Company owns and operates the Overland Reservoir for the 120 shareholders and delivers an average of 17,000 AF of irrigation water annually. The Reservoir is located in Delta County in the Gunnison National Forest at an elevation of 10,000 feet. The Reservoir has a current storage capacity of 6,200 AF and will be increased to 7,171 AF with this project. The reservoir was built in 1905 and required significant repair work in 1987 by the Company with financial assistance from CWCB and the Bureau of Reclamation. This project consists of raising the spillway elevation by 3.8 feet, installing toe drains, increasing the dam crest width and adding necessary embankment protection. Construction is scheduled to begin in the summer of 2007.



LOCATION MAP

Water Project Loan Program - Project Data

Borrower: Riverside Ditch & Allen Extension Co.

County: Chaffee

Project Name: Phased Canal Improvements

Project Type: Ditch Rehabilitation

Drainage Basin: Arkansas

Water Source: Arkansas River

Total Project Cost: $205,000

Funding Source: Construction Fund

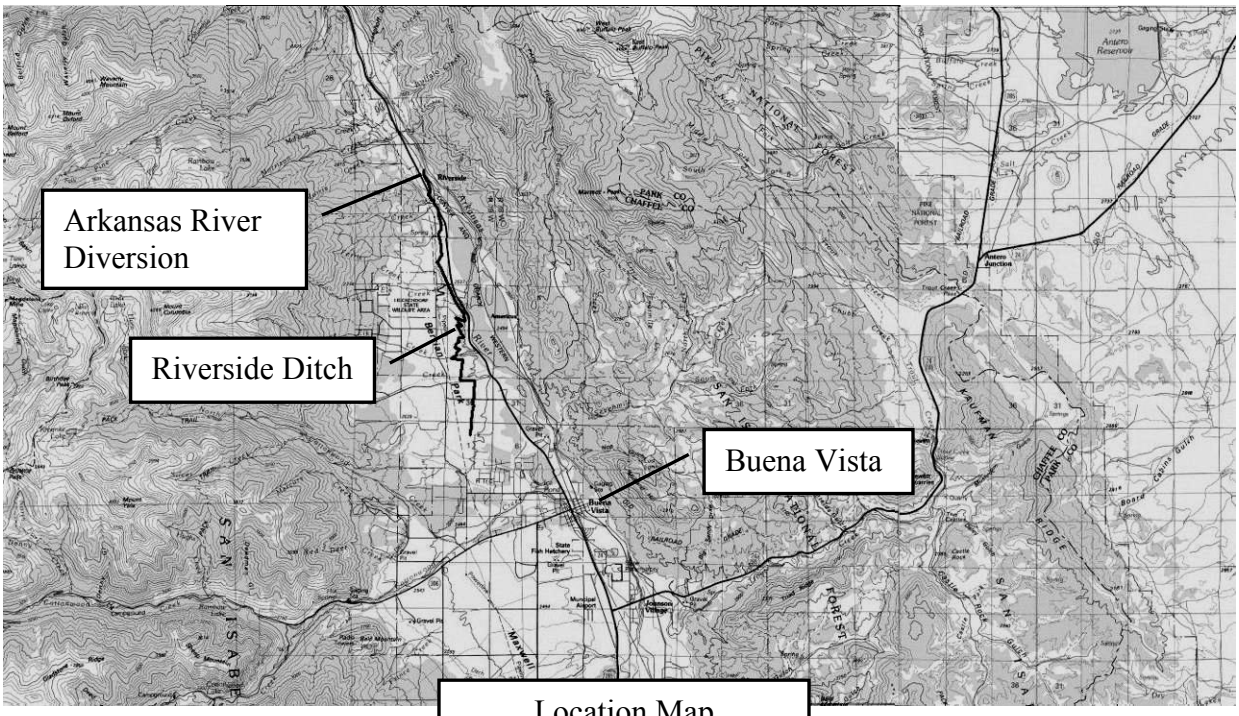
Type of Borrower: Agricultural

Average Diversion: 3,250 acre-feet

CWCB Loan: $186,345 (Including 1% fee)

Interest Rate: 2.75% **Term:** 30 years

The Riverside Ditch and Allen Extension Company (Company), located near Buena Vista, owns and operates the Riverside Ditch (canal) that provides irrigation water to a 450 acre service area within Chaffee County. A significant portion of the Company's structures along the 125 year old canal are aged and in need of repair or replacement. The Company intends to complete a number of phased improvements to the canal that include: repairs to the river diversion; lining of portions of the canal to reduce seepage; installation of canal monitoring using SCADA equipment; phreatophyte removal; repair/replacement of aging headgates; and installation of standardized flumes. The proposed improvements would benefit the shareholders by improving overall canal efficiency, thereby increasing the consistency of shareholder headgate deliveries. These improvements will also benefit the Company through increased operator safety. Improvements are expected to be completed between the winter of 2009 and spring of 2012.



Location Map

CWCB Construction Loan Program
Project Data Sheet

Borrower: Riverside Reservoir and Land Co.

County: Weld

Project Name: Emergency Spillway Project

Project Type: Reservoir Rehabilitation

Drainage Basin: South Platte

Water Source: South Platte River

Total Project Cost: $3,120,000

Funding Sources: Severance Tax Trust Fund Perpetual Base Account

Type of Borrower: Agricultural

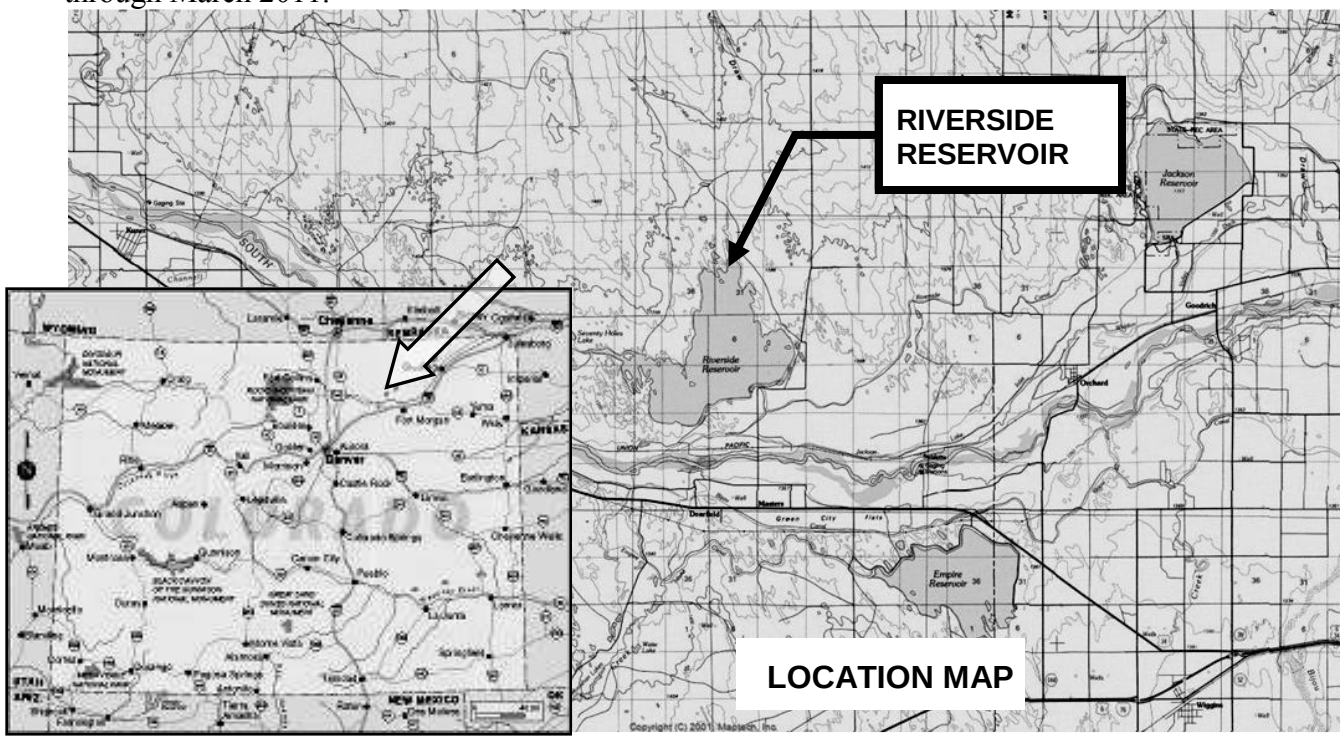
Average Delivery: 39,000 AF (from Reservoir storage) (105,000 Total AF for Company)

Loan Amount: $2,838,100 (Including 1% fee)

Interest Rate: 2.5%

Term: 30 years

The Riverside Reservoir and Land Company (Company) owns and operates the 64,000 acre-foot capacity Riverside Dam and Reservoir, an inlet canal known as Riverside Ditch, and a river diversion structure located near the town of Kersey, Colorado. The Company diverts water from the South Platte River, approximately 10 miles downstream of Greeley, Colorado. It stores water primarily during winter months for irrigation releases during the following water season. The Company, formed in 1902, delivers irrigation water to approximately 50,000 acres. The Company is applying for a loan to install a spillway at Riverside Reservoir (Reservoir). The Reservoir is not equipped with an emergency spillway, which is required by the DWR's *Rules and Regulations for Dam Safety and Dam Construction*. There is currently a nominal restriction of 0.05 feet (200 AF of storage loss) due to the lack of a spillway. In order to enhance the safety of the Reservoir and prevent further storage restrictions, the Company plans on constructing an emergency spillway. The final design is expected to be complete in January 2010 with construction occurring from July 2010 through March 2011.



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Anaconda Ditch Water Rights Acquisition

San Luis Valley Water Conservancy District

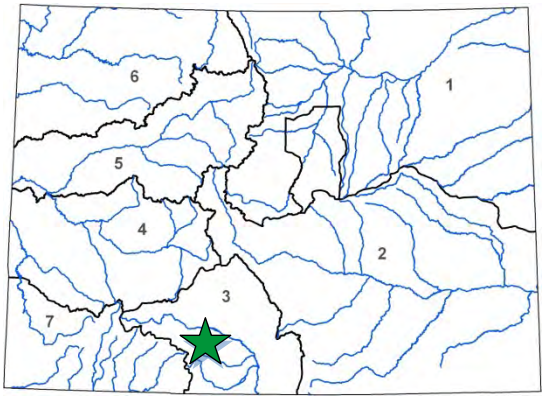
January 2017 Board Meeting

(Loan Increase)

LOAN DETAILS	
Project Cost:	$1,112,450
CWCB Loan (with Service Fee):	$1,123,574.50
Loan Term and Interest Rate:	30 Years @ 2.5%
Funding Source:	Construction Fund

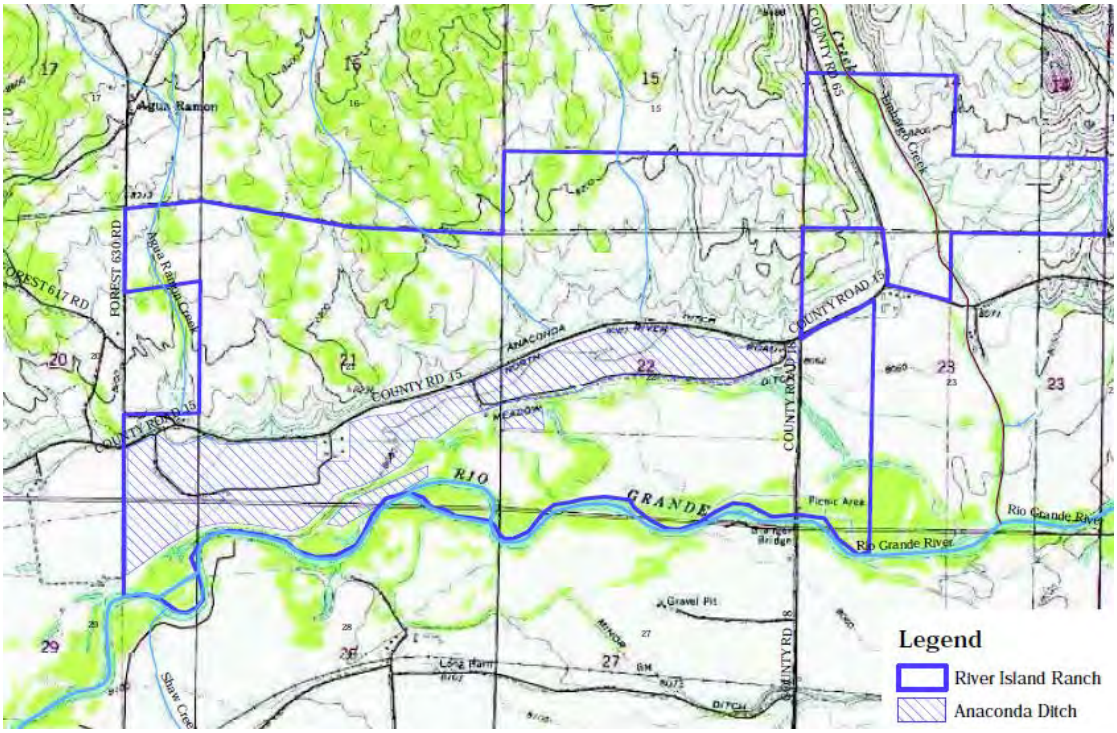
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
0%	100% Low - 0% Mid - 0% High	0%

PROJECT DETAILS	
Project Type:	Water Rights Purchase
Average Annual Delivery:	400AF



LOCATION			
County:			Alamosa
Water Source:			Rio Grande River
Drainage Basin:			Rio Grande
Division:	3	*District:*	20

The San Luis Valley Water Conservancy District (District) operates an augmentation program servicing portions of Rio Grande, Alamosa, Saguache, Hinsdale and Mineral Counties. The augmentation program was developed to offset river depletions from wells serving residential and commercial uses in the area. The District intends to acquire additional water rights to add to its existing program, including the subject of this loan request, the Anaconda Ditch water rights. The District is purchasing a 58% interest in the ditch providing 304.8 acre-feet. The Project has been in process for over a decade and will add 304.8 AF of consumptive use water to the District's inventory. The decreed use of the water right was changed from irrigation to augmentation through Case No 09CW34. The District reached a settlement with all opposing parties and the decree was finalized in April 2016. The District anticipates the purchase of the water will be finalized in the first quarter of 2017. In accordance with the District's contract, the purchase price for the water increased by 5% each year until all the water was purchased. Because the purchase was delayed, the cost of the water has increased from $915,216 to $1,112,450.



CWCB Construction Loan Program
Project Data Sheet
(Increase)

Borrower: Sanchez Ditch and Reservoir Co.

County: Costilla

Project Name: Sanchez Reservoir Outlet Rehabilitation Project

Project Type: Dam Rehabilitation

Basin / District: Rio Grande / 24

Water Source(s): Ventero Creek

Total Project Cost: $2,282,000

Funding Sources: Construction Fund & WSRA (Basin & Statewide funds)

Type of Borrower: Agricultural

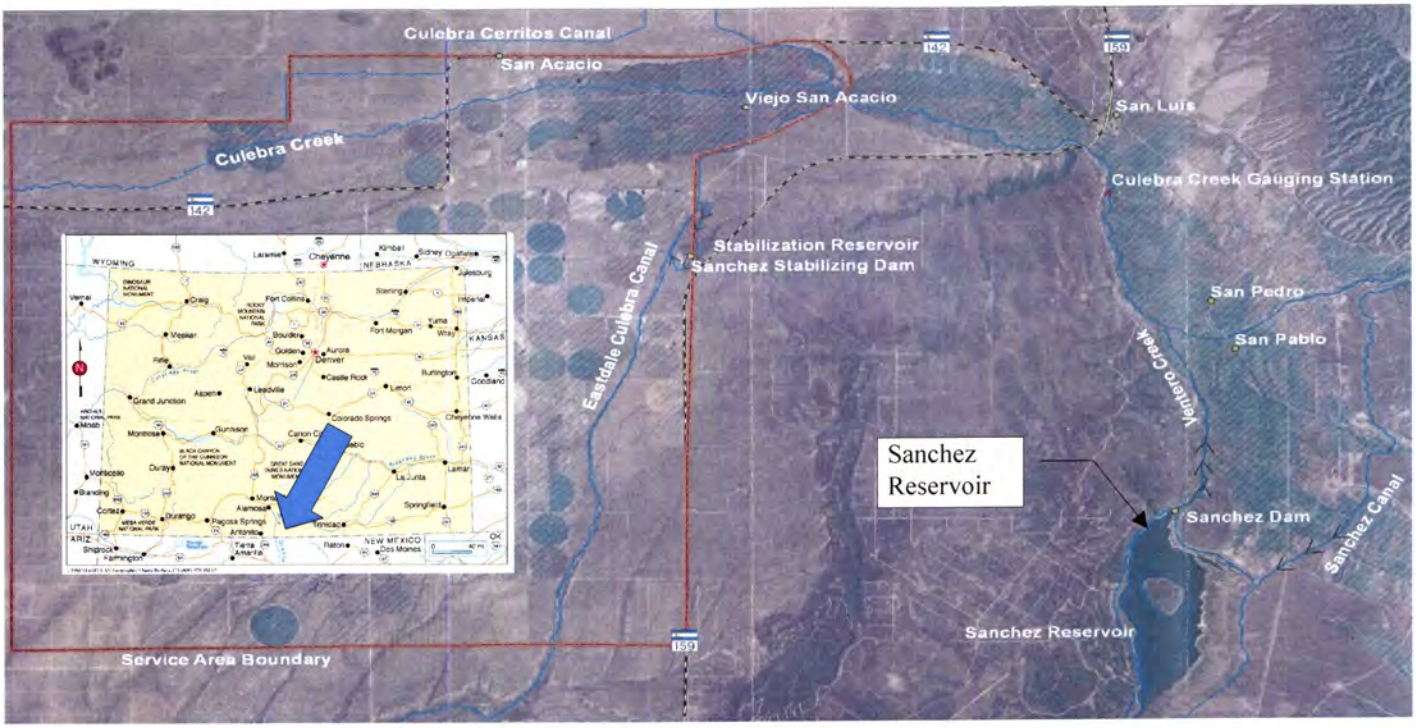
Average Diversions: 15,000 AF

(Interest Rate Increased by 0.25% for longer term)

Loan Amount: $1,381,276 (Including 1% fee) **Interest Rate:** 2.0% **Term:** 40 years

WSRA Grant Amounts: $55,000 Rio Grande Basin & $859,400 Statewide

The Company provides irrigation water for users in Costilla County, southwest of the town of San Luis. The Company's primary storage reservoir is Sanchez Reservoir. The approximately 104,000 acre-foot reservoir was built in 1910. The reservoir's outlet includes a 135 foot tall concrete gate tower. In order to access the gates to operate the dam, a tramway/gondola runs along a cable and is powered by a portable gasoline generator. Because daily access to the tower is required during irrigation season, the reliability and safety of the gondola system has been a concern of the Company. Using loan and grant funds, the Company intends to address the safety and operational management concerns at the reservoir through the demolition of the gate tower; the installation of new control gates and operators; patching the outlet conduit; repairing the downstream outlet structure; and, installing a new perimeter drain and weir along the right side of the outlet structure to control seepage. The project schedule is estimated as: final design and State Engineer's Office (SEO) approval by August 2014; bid the project in May of 2014; award the bid by August of 2014; start construction in September of 2014; complete construction by March of 2015.



CWCB Water Project Loan Program
Project Data Sheet

C150401

Borrower: The Sanford Canal Company

County: Rio Grande

Project Name: Sanford Diversion and Headgate Rehabilitation

Project Type: Ditch Rehabilitation

Drainage Basin/ District: Rio Grande / 22

Water Source: Conejos River

Total Project Cost: $213,000

Funding Source: Construction Fund, WSRA Grants

Type of Borrower: Agricultural

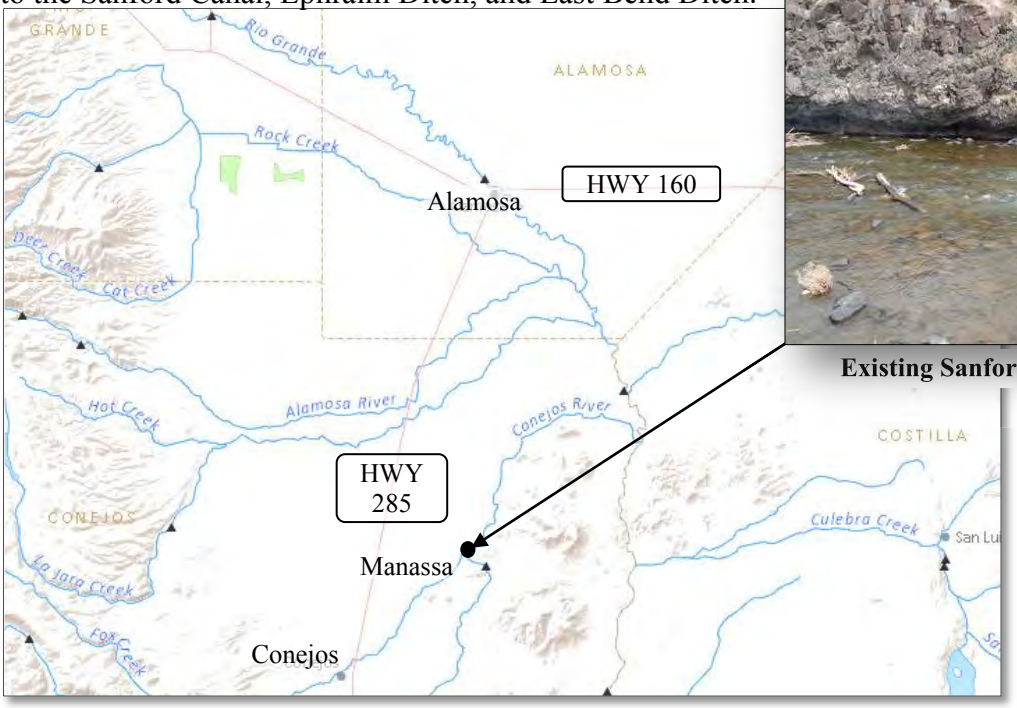
Average Annual Diversion: 4,000 AF

CWCB Loan: $101,000 (with 1% service fee)

Interest Rate: 1.75% **Term:** 30-years

The Sanford Canal Company was incorporated in 1892 as a "Colorado Water Company" and later became a Mutual Ditch Company in 1912. Its diversion is located on the Conejos River just below the confluence with the San Antonio River and has a service area covering approximately 3,000 irrigated acres. The purpose of this Project is to address the need for a well-designed diversion structure that will reduce maintenance, improve water management efficiencies, and allow for the accurate control of compact-entitled waters. The core of the Sanford Canal diversion structure has been washed away over time, contributing to decades of limited diversion to irrigators and potential over payment to the Compact. Currently irrigators divert their water right by piling debris such as tree trunks or cinderblocks to act as the diversion dam. This Project will remove and replace the diversion and headgate structures and install automated headgates and four gauging stations. Construction is expected to start by September 2014.

This Project is one of three projects collectively known as the Conejos River System Confluence Management Project, managed by the Conejos Water Conservancy District. The District has taken a proactive "whole river" system approach to water management and over the past few years have improved the efficiency and stability of many diversions, developed real-time water management data, and studied the effects on return flows from irrigated areas from groundwater withdrawals. The Confluence Management Project will extend this whole river strategy to the Confluence, specifically to the Sanford Canal, Ephraim Ditch, and East Bend Ditch.



Existing Sanford Ditch Diversion

Water Project Loan Program – Project Data Sheet

Borrower: Thunderbird Water and Sanitation District

County: Douglas

Project Name: Lambert Ranch Water Rights Purchase

Project Type: Water Rights Purchase

Drainage Basin: South Platte, District 8

Water Source: Denver Basin Aquifer

Total Project Cost: $350,000

Funding Source: Construction Fund

Type of Borrower: Middle-Income Municipal

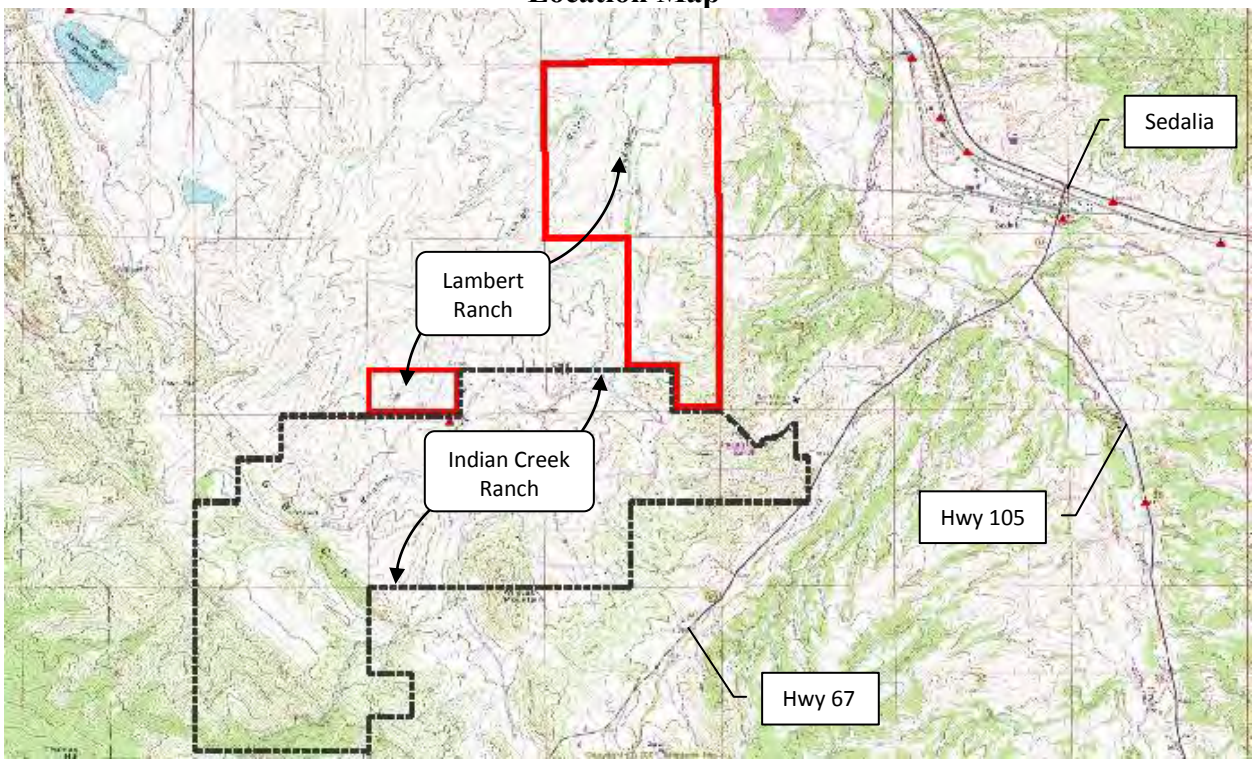
Avg. Annual Delivery: 55 AF

CWCB Loan: $318,150 (w/ 1% service fee)

Interest Rate: 4.25% **Term:** 20 years

The Thunderbird Water and Sanitation District (District) provides potable water service for the Indian Creek Ranch subdivision, consisting of 2,420 acres and 175 customers. The District is applying for a loan to purchase 895.9 AF of Denver Basin decreed ground water rights that underlie the property known as Lambert Ranch. On average, the District delivers approximately 55 AF annually. The increase would enable the District to enlarge its available supply; thereby increasing system reliability, providing the redundancy necessary to allow for system maintenance and protect against aquifer depletions.

Location Map



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Laramie-Poudre Tunnel Rehabilitation

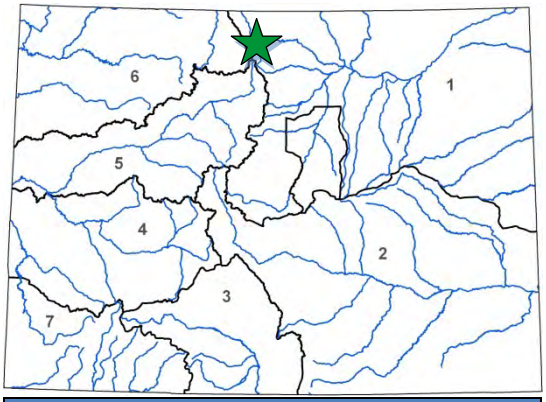
The Tunnel Water Company

September 2015 Board Meeting

LOAN DETAILS	
Project Cost:	$1,225,000
CWCB Loan (with Service Fee):	$1,111,000
Loan Term and Interest Rate:	30 Years @ 2.55%
Funding Source:	Construction Fund

BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
24%	20% Low - 24% Mid - 32% High	0%

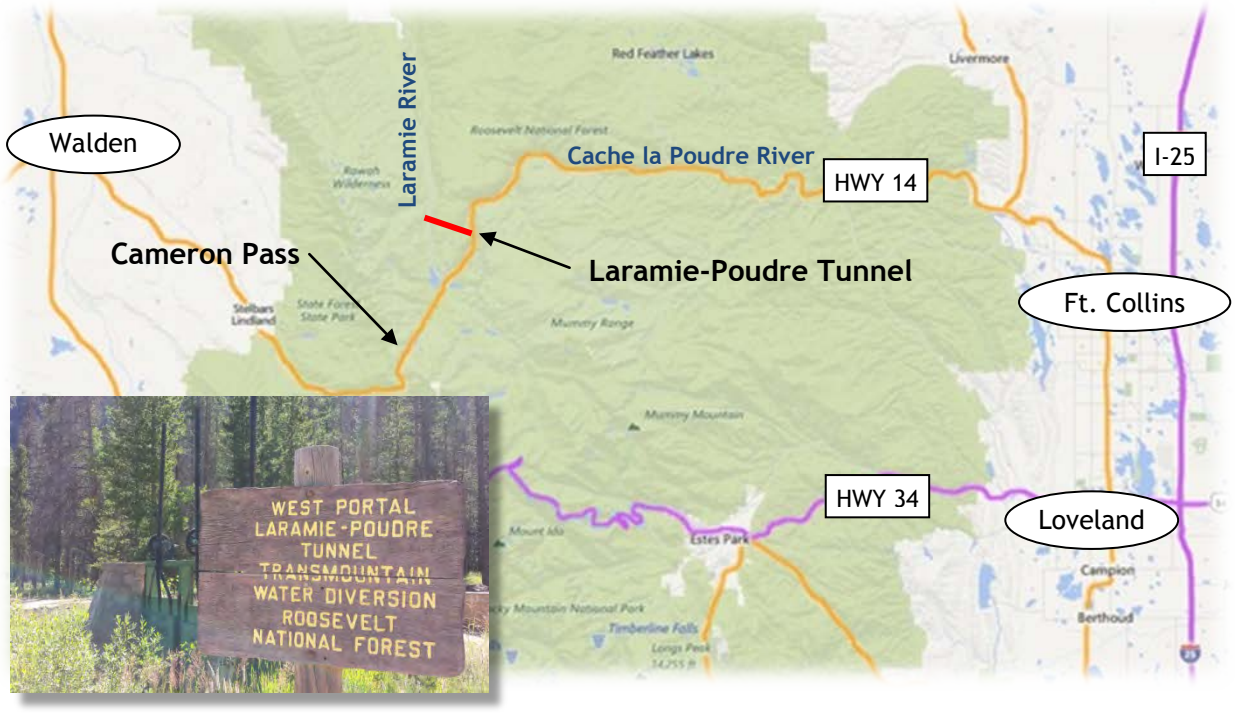
PROJECT DETAILS	
Project Type:	Ditch Rehabilitation
Average Annual Diversion:	6,875 AF



LOCATION			
County:			Larimer
Water Source:			Laramie River
Drainage Basin:	North Platte/South Platte		
Division:	1	*District:*	48/3

The Tunnel Water Company operates the Laramie-Poudre Tunnel for the benefit of its two shareholders: Water Supply and Storage Company (WSSC) and Windsor Reservoir and Canal Company (WRCC). The tunnel diverts from the Laramie River, about 60 miles west of Fort Collins, and delivers water through a 2.15-mile tunnel to the Poudre River. WSSC delivers irrigation water to its shareholders, primarily for agricultural irrigation on approximately 40,000 acres lying below the Larimer County Canal. WRCC delivers water to its municipal shareholders via the Soldier Canyon and Bellvue Water Treatment Plants.

The Company purchased the Laramie Poudre Tunnel and its adjoining Laramie River System in 1938. The west portal (inlet) has deteriorated since it was originally constructed in 1910. The interior timber cribbing and concrete lining are at or near the end of their useful lives and the steepness of the slope of this section makes it very difficult to access the tunnel for maintenance. Additionally the east portal's (outlet) concrete energy attenuation structure, which has been resurfaced many times before, is heavily spalled and near failure. The Company is seeking this CWCB loan to cover 90% of construction cost associated with the west and east portal repairs. West portal repairs will occur after the 2015 irrigation season with the east portal repairs being completed after the 2016 irrigation season.



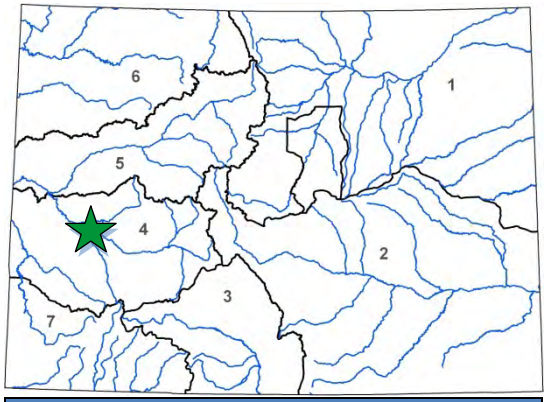
COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Drop 5 Hydroelectric Project

Uncompahgre Valley Water Users Association

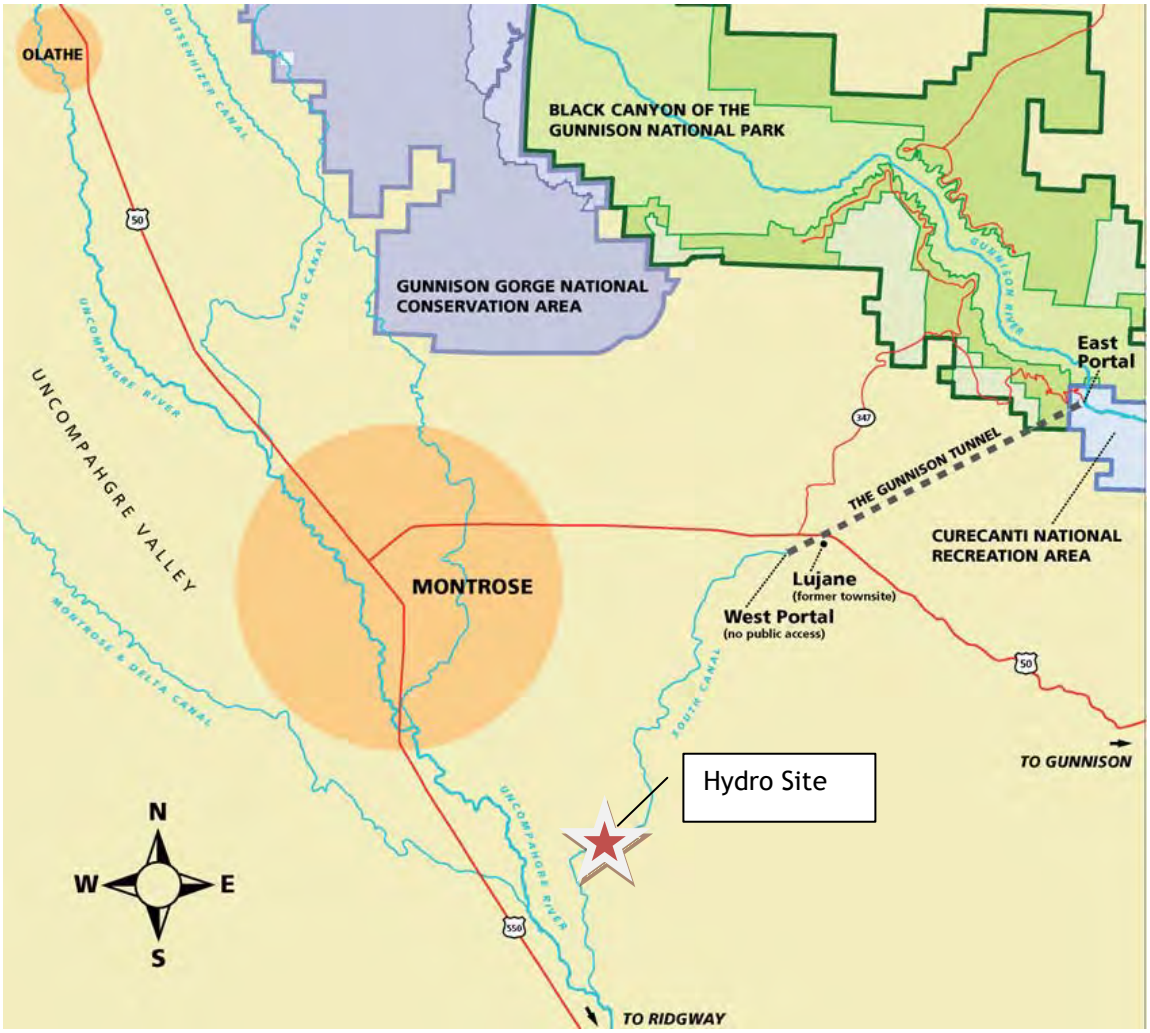
May 2015 Board Meeting

LOAN DETAILS	
Project Cost:	$7,700,000
CWCB Loan (with Service Fee):	$6,999,300
Loan Term and Interest Rate:	20-years @ 2.0%
Funding Source:	Severence Tax Perpetual Base Fund
BORROWER TYPE	
Agricultural	
PROJECT DETAILS	
Project Type:	Hydroelectric
Average Annual Power Production	2.2 MW



LOCATION			
County:	Montrose & Delta		
Water Source:	Gunnison River		
Drainage Basin:	Gunnison		
Division:	4	*District:*	41

The Uncompahgre Valley Water Users Association provides irrigation water to over 85,000 acres in Montrose and Delta Counties. It intends to develop a 2.2 MW hydroelectric project known at the Drop 5 Hydroelectric Project alongside an existing canal. The existing canal will be used as a by-pass during non-power generation times. The power will be sold to Delta Montrose Electric Association and will be used locally. Power production is anticipated by summer of 2016.



CWCB Construction Loan Program
PROJECT DATA SHEET

Borrower: Upper Arkansas Water Conservancy District **County**: Chaffee/Fremont/Custer

Project Name: North Fork Reservoir Rehab/Expansion **Drainage Basin:** Arkansas River

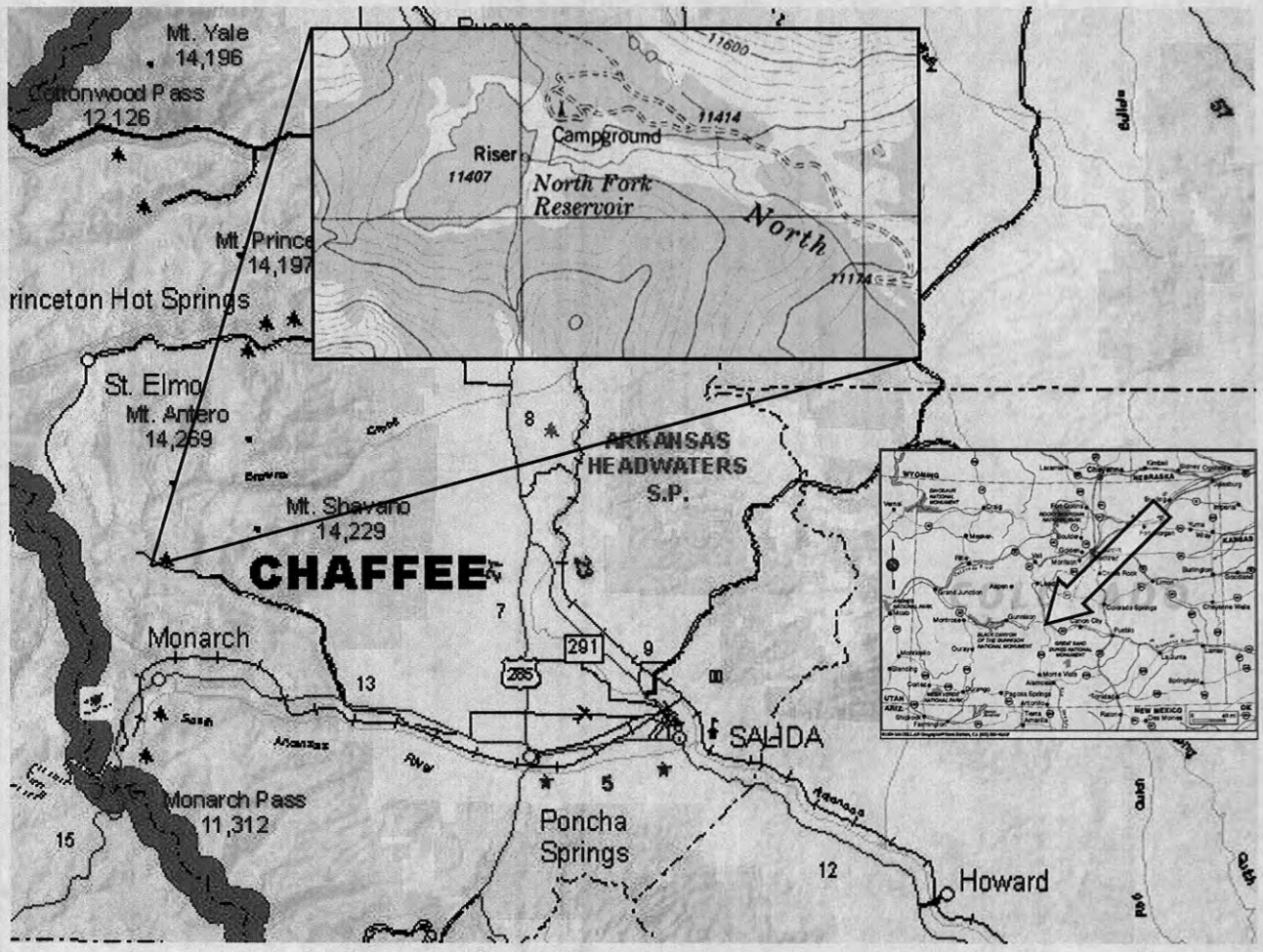
Project Type: Dam and Spillway Modifications **Water Source:** N. Fork of S. Arkansas

Total Project Cost: $3,309,850 **Funding Sources:** CWCB & Company

Loan Amount: $2,980,000 **Current Reservoir Storage:** 500 acre-feet

Type of Borrower: Low Municipal/Agricultural **Interest Rate:** 3.0% **Term:** 30 years

The Upper Arkansas Water Conservancy District is located in Salida, Colorado, and serves to protect and develop water supplies in Chaffee, Western Fremont and Custer Counties. The District has operated the North Fork Reservoir since 1979 for domestic, municipal, industrial, recreational and augmentation purposes. The reservoir is at elevation 11,400 feet and is located 10 miles from Maysville on the North Fork of the South Arkansas River. The District plans to repair the outlet gate, improve the access for construction, increase the spillway capacity, mitigate seepage along the right abutment, and raise the dam height by 15 feet. This will increase the capacity of the reservoir from 595 AF to 1095 AF. The enlargement will also require the relocation of portions of a campground. The reservoir is located on Forest Service property and currently has a Special Use Permit authorizing the repair work. The enlargement work will require a NEPA study prior to Forest Service permitting.



LOCATION MAP

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Repair of West Reservoir No.1 Outlet Works

West Reservoir and Ditch Company

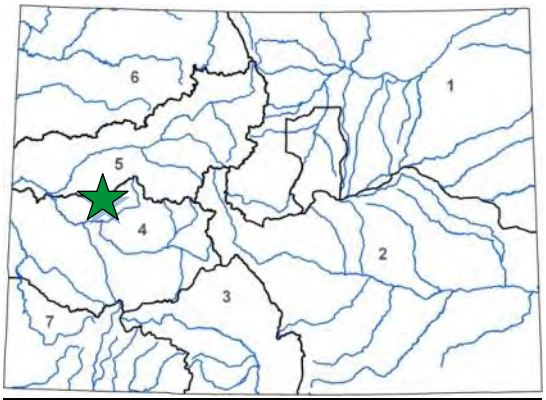
January 2017 Board Meeting

(Loan Increase)

LOAN DETAILS	
Project Cost:	$535,577
CWCB Loan (with Service Fee):	$313,018
Loan Term and Interest Rate:	30 Years @ 2%
Funding Source:	*Severance Tax Perpetual Base Fund*

BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
100%	0%	0%

PROJECT DETAILS	
Project Type:	Dam Rehabilitation
Average Annual Delivery:	604 AF
Storage Preserved:	454 AF



LOCATION			
County:			Delta
Water Source:			Jay Creek
Drainage Basin:			Gunnison
Division:	*4*	*District:*	40

The West Reservoir and Ditch Company operates West Reservoir No. 1, providing water seven miles eastward via Wakefield Ditch to Wakefield Mesa. Diversions are available for livestock as it traverses east Oak Mesa and irrigates approximately 600 acres of hay and pasture. The current landowners use the Oak Mesa Reservoir and Ditch water for spring irrigation and for mid-summer to fall irrigation. West Reservoir No. 1 was improved in the early 1950s, but was under a storage restriction order from the Office of the State Engineer due to deterioration of the outlet pipe. This project includes a low-level outlet sized to meet SEO release requirements, an outlet stilling basin structure downstream of the dam for energy dissipation, and an intake structure for a manually operated slide gate and trash racks. Construction was completed in fall of 2016. The Company incurred additional expense during construction and seeks an increase in loan funding.

CWCB Water Project Loan Program
Project Data Sheet

C150366

Borrower: Town of Windsor Water Enterprise

County: Larimer/Weld

Project Name: Kyger Reservoir Project

Project Type: Reservoir Construction

Drainage Basin/ District: South Platte / 3

Water Source: Cache la Poudre River

Total Project Cost: $6,300,000

Funding Source: Construction Fund

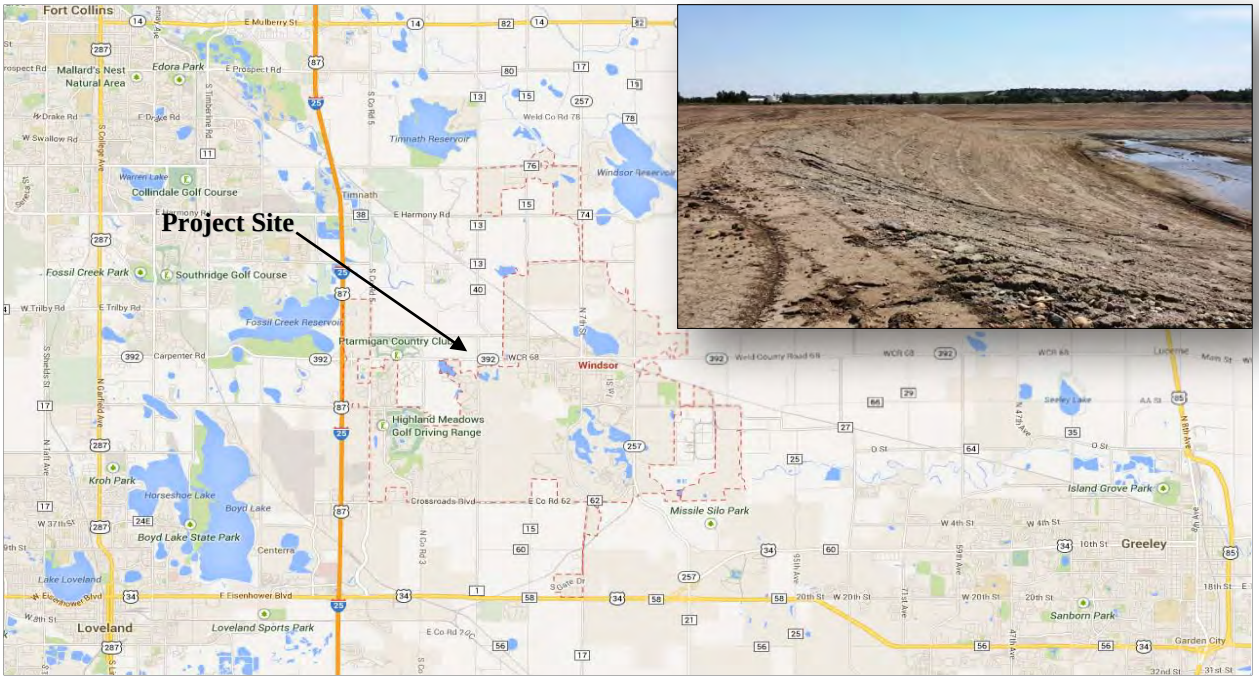
Type of Borrower: Municipal (High)

Average Annual Delivery: 2035 AF

CWCB Loan: $4,545,000
(with 1% service fee)

Interest Rate: 2.75% **Term:** 20-years

The Town of Windsor was incorporated in 1890 and adopted its Home Rule Charter in 2003. The Town has seen tremendous growth over the last decade and has a current population of approximately 18,700 people. The Town's Water Activity Enterprise was created by a Town Ordinance in 1994 and serves 5,604 taps. The Enterprise revenues come from water usage fees. The average water bill is $45 per month. The purpose of this project is to provide the Town new water storage to help meet their current and future non-potable and augmentation water needs. This CWCB loan will go towards the purchase of the Kyger reservoir, the design and construction of the reservoir infrastructure, and the purchase of water rights.



CWCB Water Project Loan Program
Project Data Sheet

C150408

Borrower: Cottonwood Water & Sanitation District

County: Douglas & Arapahoe

Project Name: Water Infrastructure and Supply (WISE) Efficiency Project

Project Type: New Water Supply

Drainage Basin/ District: South Platte / 8

Water Source: South Platte

Total Project Cost: $4,960,000

Funding Source: Construction Fund

Type of Borrower: High-Income Municipal

Average Annual Delivery: 789 AF

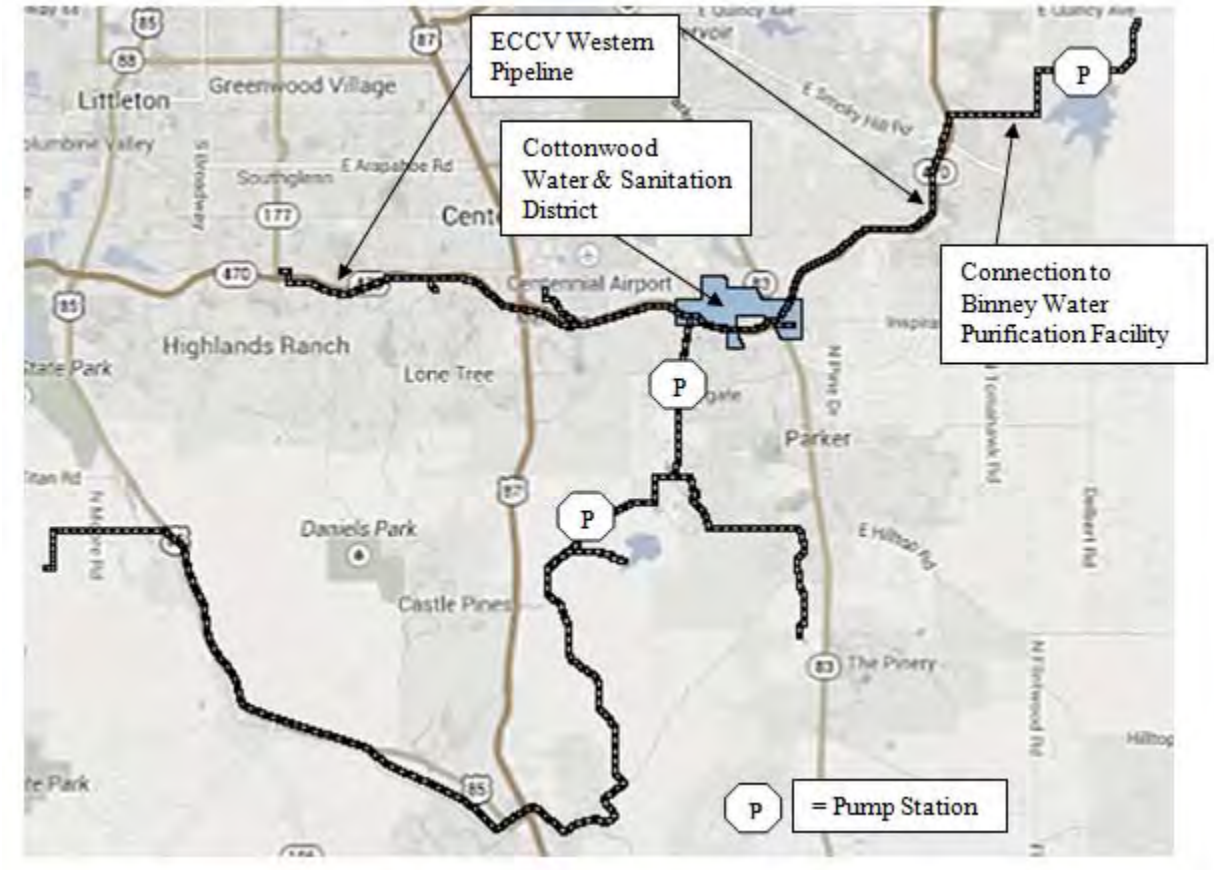
CWCB Loan: $4,508,640 (with 1% service fee)

Interest Rate: 3.00% **Term:** 30 years

In 1981, the Cottonwood Water & Sanitation District was formed, pursuant to Title 32 C.R.S., to provide water supply and treatment systems for customers within its service area.

Cottonwood's local project infrastructure components will extend from an existing tee located on the ECCV Western Pipeline, where a below-grade vault with flow control and metering equipment will be installed. From this location 500 feet of 36-inch pipe will be installed to connect to an existing Cottonwood pipeline. In addition, Cottonwood will also participate in a Rueter-Hess Reservoir fill pipeline and pump station being constructed by Parker.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



CWCB Water Project Loan Program
Project Data Sheet

C150409

Borrower: Inverness Water & Sanitation District

County: Douglas & Arapahoe

Project Name: Water Infrastructure and Supply (WISE) Efficiency Project

Project Type: New Water Supply

Drainage Basin/ District: South Platte / 8

Water Source: South Platte

Total Project Cost: $5,400,000

Funding Source: Construction Fund

Type of Borrower: High-Income Municipal

Average Annual Delivery: 1,100 AF

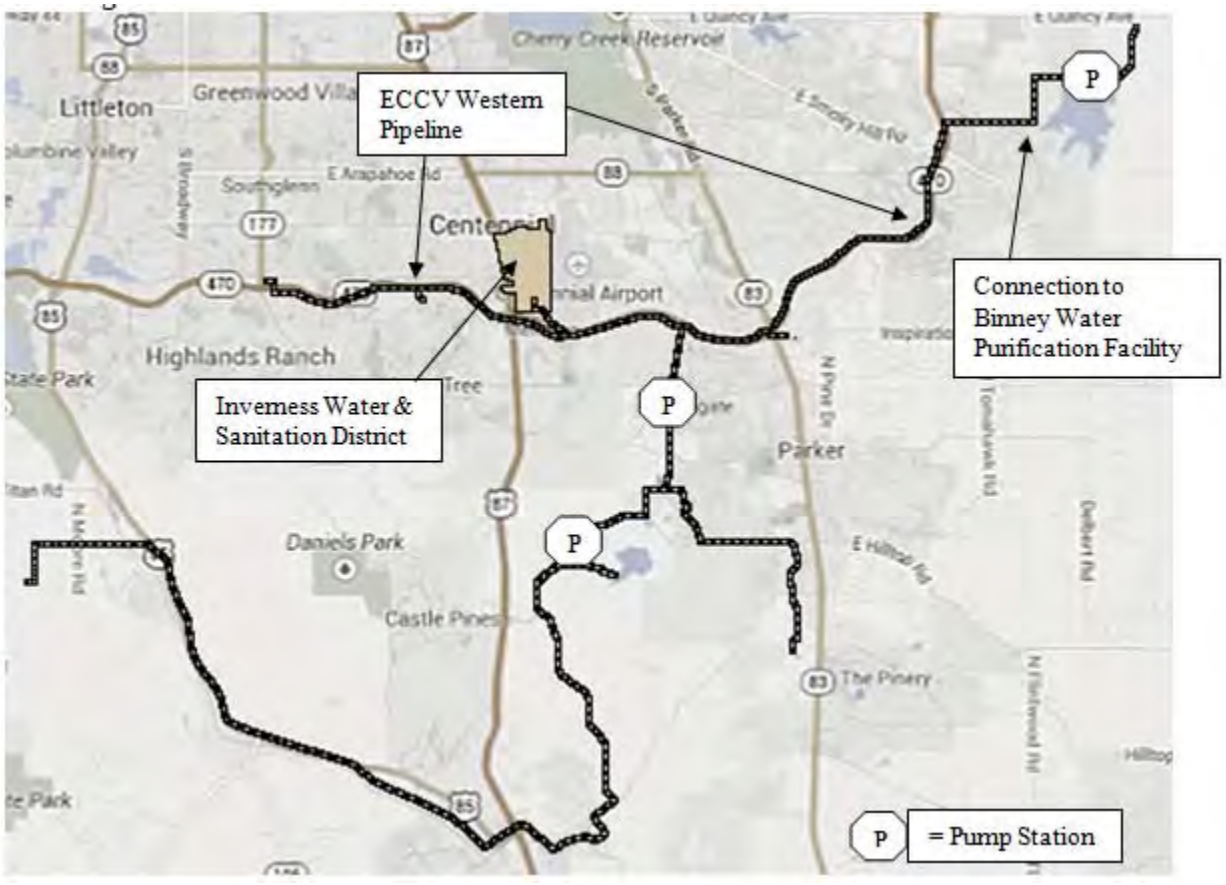
CWCB Loan: $4,908,600 (with 1% service fee)

Interest Rate: 2.75% **Term:** 20 years

In 1973, Inverness was formed pursuant to Article 1 of Title 32 C.R.S. to provide water supply and treatment systems for the customers within their service area.

Inverness will have a connection to the East Cherry Creek Valley (ECCV) Western Pipeline near the intersection of South Jamaica Street and E-470. Immediately downstream of the connection will be a below-grade vault with flow control and metering equipment. Downstream of the vault will be approximately 1,800 feet of 10-inch pipe to connect to the existing Inverness distribution system.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



CWCB Water Project Loan Program
Project Data Sheet

C150410

Borrower: Parker Water & Sanitation District

County: Douglas & Arapahoe

Project Name: Water Infrastructure and Supply (WISE) Efficiency Project

Project Type: New Water Supply

Drainage Basin/ District: South Platte / 8

Water Source: South Platte

Total Project Cost: $17,305,500

Funding Source: Construction Fund

Type of Borrower: High-income Municipal

Average Annual Delivery: 5,000 AF

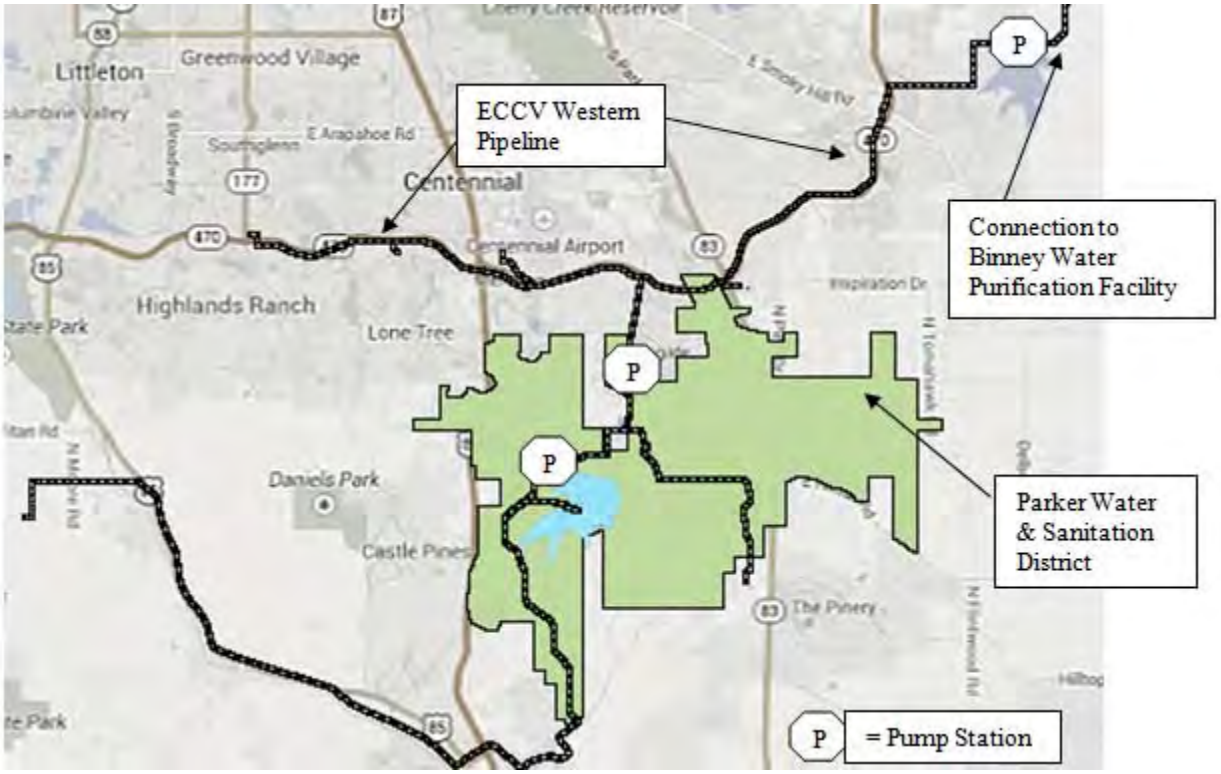
CWCB Loan: $15,734,790 (with 1% service fee)

Interest Rate: 2.75% **Term:** 20 years

Parker Water and Sanitation District is a quasi-municipal corporation and political subdivision of the State of Colorado created in 1962 in Douglas County, for the purpose of providing water and sanitary sewer services its users.

Parker will take the lead on construction of 20,300 feet of new 42-inch pipeline from near the intersection of Chambers Road and E-470 to the Parker Water Treatment Plant located just south of Rueter-Hess Reservoir. Southward from the treatment plant a 16.5 million gallons per day pumping station will be constructed, followed by 9,000 feet of new 24-inch pipe that will allow WISE water to be conveyed to Rueter-Hess Reservoir for storage. Parker's facilities will oversized for use by other WISE Authority members.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



CWCB Water Project Loan Program
Project Data Sheet

C150411

Borrower: Denver Southeast Suburban Water and Sanitation District (dba Pinery Water and Wastewater District)

County: Douglas

Project Name: Water Infrastructure and Supply (WISE) Efficiency Project

Project Type: New Water Supply

Drainage Basin/ District: South Platte / 8

Water Source: South Platte

Total Project Cost: $10,920,000

Funding Source: Construction Fund

Type of Borrower: High-income Municipal

Average Annual Delivery: 2,837 AF

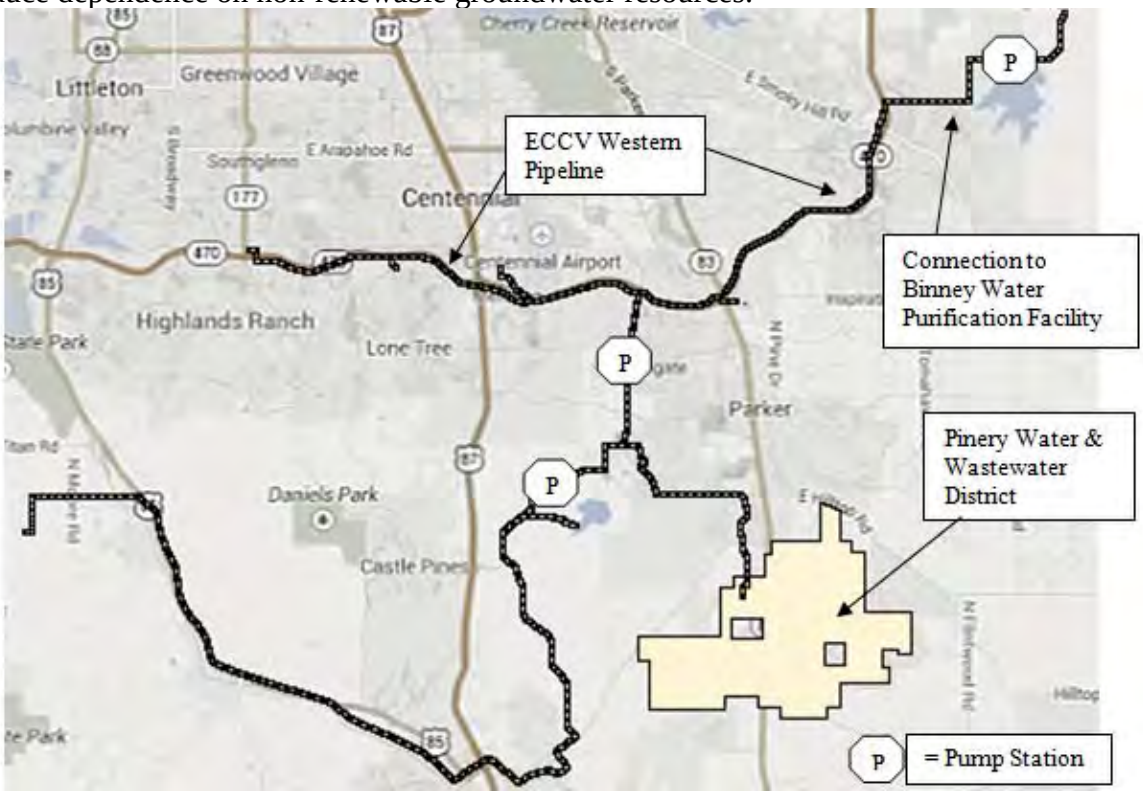
CWCB Loan: $9,926,280 (with 1% service fee)

Interest Rate: 3.00% **Term:** 30 years

In 1965, the District was formed as the Denver Southeast Suburban Water and Sanitation District. The District has been providing water and wastewater services since 1971 to its predominately residential customers.

The District will participate in Parker's WISE infrastructure components including 20,300 feet of new 42-inch pipeline from near the intersection of Chambers Road and E-470 to the Parker Water Treatment Plant located just south of Rueter-Hess Reservoir. At the Parker Water Treatment Plant site a new 16.5 million gallons per day pumping station will be constructed. Downstream of the pumping station 9,000 feet of new 24-inch pipe will be constructed that will allow WISE water to be conveyed to Reuter-Hess Reservoir for storage. In addition, Pinery will construct about 6,200 feet of 12-inch pipeline to deliver water to an existing finished water distribution system pumping station.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



Projects Not Under Contract

Water Project Construction Loan Program - Project Data

Borrower: SECWCD - Enterprise

County: Pueblo, Crowley, Otero, Bent, Prowers

Project Name: Arkansas Valley Conduit

Project Type: Water Supply Pipeline

Drainage Basin: Arkansas

Water Source: Arkansas – Fry-Ark Project

Total Project Cost: $300,000,000

Funding Sources: CWCB, Federal

Type of Borrower: Municipal/Low

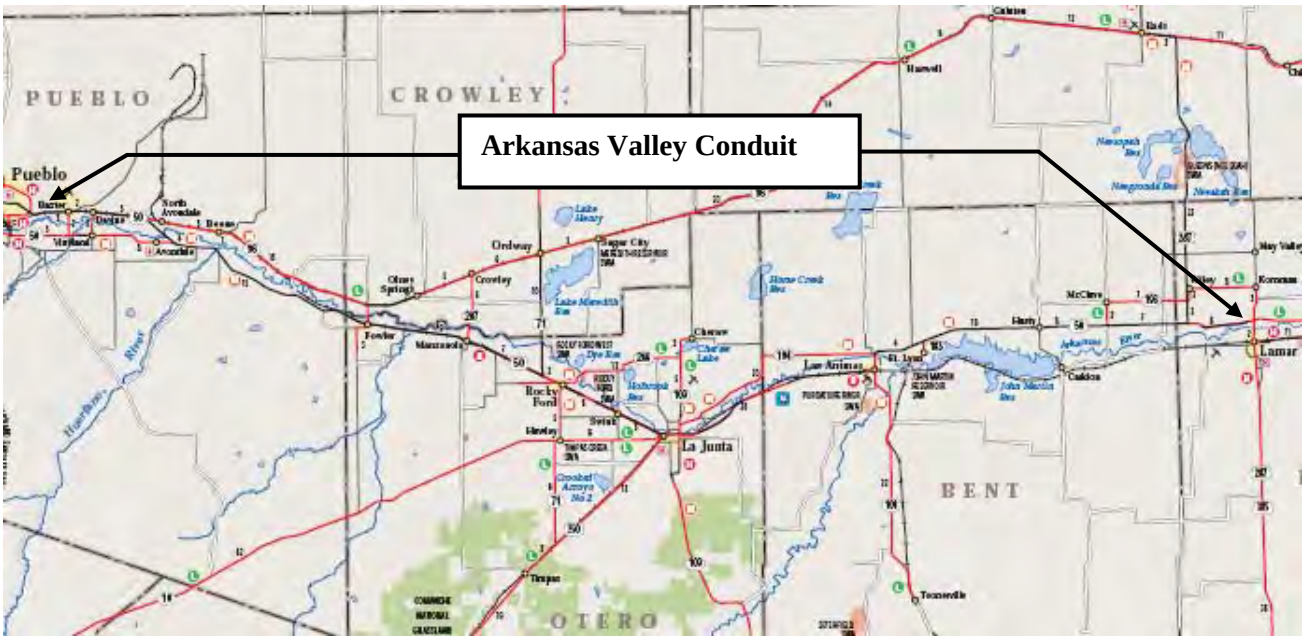
Aver. Delivery: 6,555 AF (2005 demand)

CWCB Construction Fund Loan: $60,600,000 (incl. 1% loan fee)

Interest Rate: 3.25%

Term: 30 years

The Arkansas Valley Conduit is designed to bring relatively clean raw water to 41 water providers in the lower Arkansas Valley, who currently either take water from the Arkansas River, and\or pump from shallow and\or deep aquifers. This pumped water has quality problems and requires significant treatment before it meets Clean Drinking Water standards. The conduit will begin at Pueblo Reservoir Dam, where a 30.94 cfs municipal outlet is already in place and reserved for the specific use of the conduit. The conduit will gravity flow approximately 138 miles down the Arkansas River Valley to Lamar. The conduit water will flow by the St. Charles Mesa Water District where it will enter a water filtration plant. As the conduit moves down the valley, spurs will take off the main line to deliver water to local and regional water providers. The conduit will receive its water from the USBR Fryingpan-Arkansas Project. Currently, about 5,779 acre-feet of water per year is available for entities East of Pueblo in an average year. Additionally, Return Flows are retained by the District and can be exchanged back up to Pueblo Reservoir for delivery. These Return Flows can provide up to an additional 1,600 acre-feet of water. Storage is available to these entities in Pueblo Reservoir because they are in the SECWCD service area. This storage will help provide water in the years when less than average water is provided by the Fry-Ark Project. The water will be provided strictly for municipal and industrial purposes. Final chlorination or treatment will be left up to each water provider. The conduit is currently planned to be paid 80% (approximately $240 million) by the federal government.



Location Map

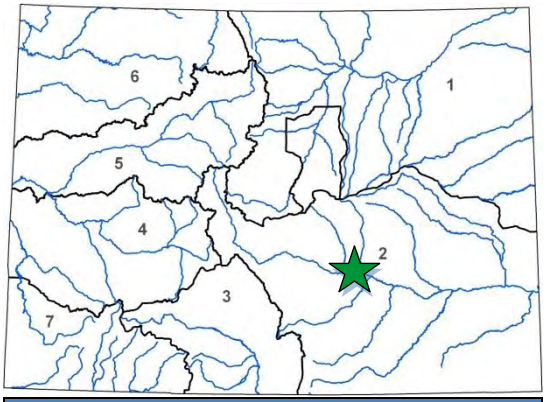
COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Arkansas Valley Conduit Phase One
Pueblo Dam Hydroelectric Project

Southeastern Colorado Water Conservancy District

July 2016 Board Meeting

LOAN DETAILS	
Project Cost:	$19,060,000
CWCB Loan (with Service Fee):	$17,392,200
Loan Term and Interest Rate:	30 Years @ 2.0%
Funding Source:	Severance Tax PBF
BORROWER TYPE	
Hydropower	
PROJECT DETAILS	
Project Type:	Hydroelectric
Average Annual Power Production:	28M KWh



LOCATION			
County:			Pueblo
Water Source:			Arkansas River
Drainage Basin:			Arkansas River
Division:	2	*District:*	10

Southeastern Colorado Water Conservancy District, acting by and through its water activity enterprise, is applying for a loan for the construction of the Pueblo Dam Hydroelectric Project. The Project is located at the existing Pueblo Dam and will utilize the existing releases to the Arkansas River without changing the flow regime. This Project is being constructed as Phase One of the overall Arkansas Valley Conduit project, authorized in the 2007 and 2009 Projects Bill (SB07-122, SB09-125). The purpose of the Project is to develop a revenue source to offset the operational and maintenance cost of the Arkansas Valley Conduit.

The proposed 7.5 megawatt facility will be located on the North Outlet of Pueblo Dam. A powerhouse would be located at the downstream end of the existing outlet works that supplies water to the Arkansas River and would allow the Dam's authorized releases to generate an annual average 28 million kWh (enough to power approximately 3,300 homes) and $1,500,000 in average revenue per year. The Project is being performed under the U.S. Bureau of Reclamation's Lease of Power Privilege (LOPP) process. Power generated will be purchased by Colorado Springs Utilities via transmission through the local Black Hills Energy power delivery system. Construction is planned to start in October 2016 for commissioning in May 2018.


Powerhouse Rendering

SOUTHEASTERN COLORADO
Water Conservancy District
"Your investment in water"

Colorado Springs Utilities
It's how we're all connected

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Storage Development and Water Rights Purchase

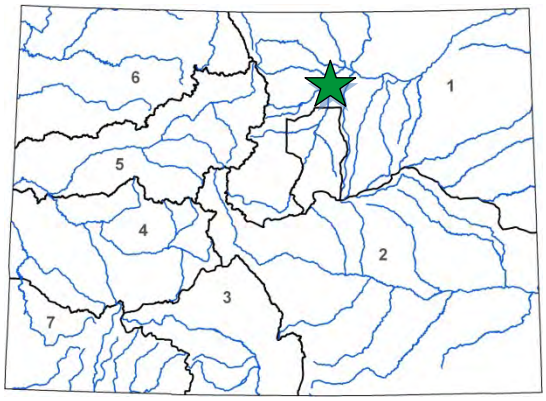
Town of Firestone

November 2016 Board Meeting

LOAN DETAILS	
Project Cost:	$10,043,150
CWCB Loan (with Service Fee):	$10,000,000
Loan Term and Interest Rate:	*20 Years @ 2.35%*
Funding Source:	Construction Fund

BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
0%	0% Low - 0% Mid - 100% High	0%

PROJECT DETAILS	
Project Type:	Storage and Water Rights Purchase
Average Annual Delivery:	2442 AF
Storage Created:	1092 AF



LOCATION			
County:			Weld
Water Source:			*St. Vrain River / Boulder Creek*
Drainage Basin:			South Platte River
Division:	*1*	*District:*	*2*

The Town of Firestone's boundary encompasses approximately 9,089 acres and is generally located east of Interstate 25 between Highway 66 and Highway 52. The Town of Firestone provides water and wastewater services to approximately 12,110 residents and operates a water distribution network of approximately 58.5 miles of pipeline and associated facilities. The purpose of this project is to provide a water storage project to help meet the Town's current and future non-potable water needs. For planning purposes, the Town is pursuing a little over two times the demand, or 2,000 acre-feet of non-potable storage for the Town. As a short-term water supply goal, the Town is requesting funds to Purchase the Carbon Valley Resource Pit and acquire 1,092 acre-feet as part of this project.

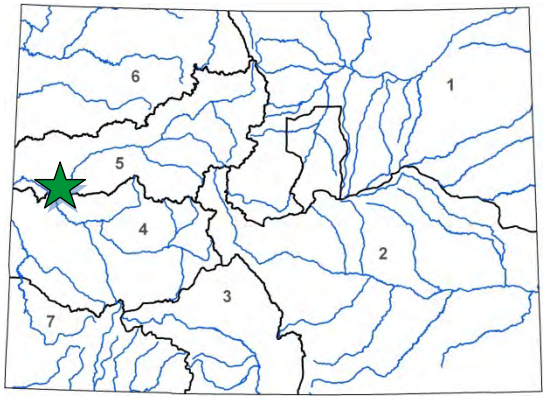
COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Grand Valley Power Plant Rehabilitation

Grand Valley Water Users Association

November 2016 Board Meeting

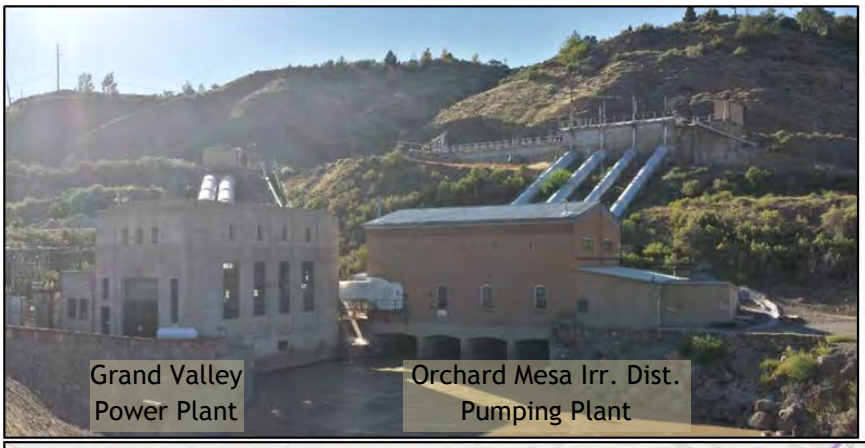
LOAN DETAILS	
Project Cost:	$5,200,000
CWCB Loan (with Service Fee):	$1,717,000
Loan Term and Interest Rate:	30 Years @ 2.0%
Funding Source:	Construction Fund
BORROWER TYPE	
Hydropower	
PROJECT DETAILS	
Project Type:	Hydroelectric
Average Annual Power Production:	17M kWh



LOCATION			
County:			Mesa
Water Source:			Colorado River
Drainage Basin:			Colorado
Division:	5	*District:*	72

The Grand Valley Water Users Association (Association) and Orchard Mesa Irrigation District (District) are each seeking a loan to cover its cost share for the Grand Valley Power Plant (GVPP) Rehabilitation Project. The GVPP is owned by the Bureau of Reclamation and originally operated by Public Service Company of Colorado (Xcel Engergy) in conjunction with the Cameo coal fired power plant. The Association and District took operational control of the plant when Xcel decided to cease its operations. The Association and District equally split costs and revenues from the GVPP under a Lease of Power Privilage with Reclamation and a Power Purchase Agreement with Xcel. In addition to being a revenue source, the GVPP serves an importnant role in providing water to the "15-Mile Reach" which has been designated by the Upper Colorado River Endangered Fish Recovery Program as critical habitat. The non-consumptive hydropower water right ensures continued flows for this important stretch of river.

The goal of the Project is to bring the GVPP up to a sustainable operating condition and meet current electric and safety standards. The GVPP was built in the early 1930s and has seen no major upgrades or modernization to date. Under current operations, the "water-to-wire" efficiency is approximately 54% with a maximum generation output of 2.5 MW. Calculations show as much as 4.1MW production should be feasible based on flow rate and available head.


Grand Valley Power Plant


Orchard Mesa Irr. Dist. Pumping Plant

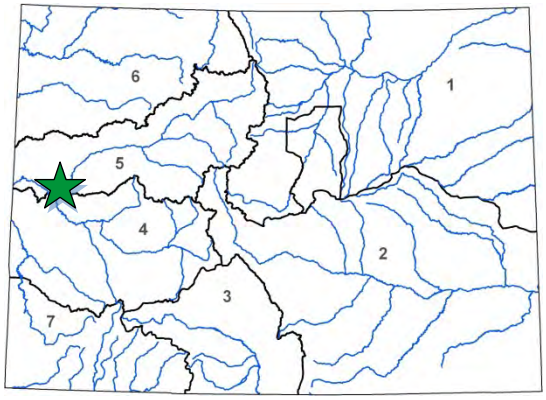
COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Grand Valley Power Plant Rehabilitation

Orchard Mesa Irrigation District

November 2016 Board Meeting

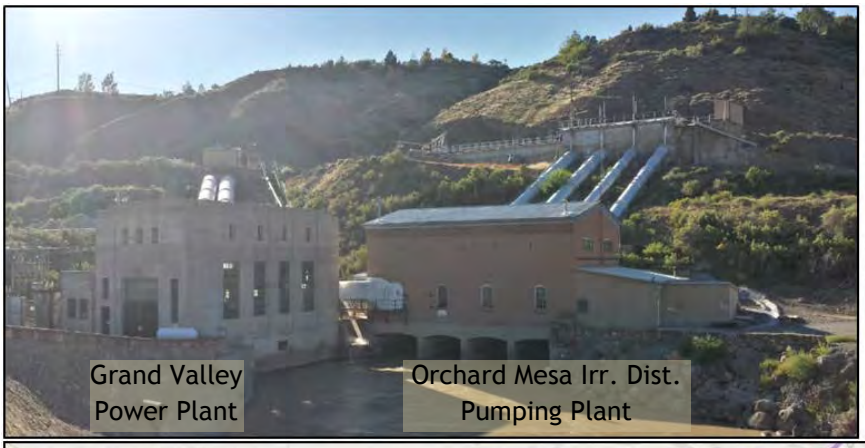
LOAN DETAILS	
Project Cost:	$5,200,000
CWCB Loan (with Service Fee):	$1,717,000
Loan Term and Interest Rate:	30 Years @ 2.0%
Funding Source:	Construction Fund
BORROWER TYPE	
Hydropower	
PROJECT DETAILS	
Project Type:	Hydroelectric
Average Annual Power Production:	17M kWh



LOCATION			
County:			Mesa
Water Source:			Colorado River
Drainage Basin:			Colorado
Division:	5	*District:*	72

The Orchard Mesa Irrigation District (District) and Grand Valley Water Users Association (Association) are each seeking a loan to cover its cost share for the Grand Valley Power Plant (GVPP) Rehabilitation Project. The GVPP is owned by the Bureau of Reclamation and originally operated by Public Service Company of Colorado (Xcel Engergy) in conjunction with the Cameo coal fired power plant. The District and Association took operational control of the plant when Xcel decided to cease its operations. The District and Association equally split costs and revenues from the GVPP under a Lease of Power Privilage with Reclamation and a Power Purchase Agreement with Xcel. In addition to being a revenue source, the GVPP serves an importnant role in providing water to the "15-Mile Reach" which has been designated by the Upper Colorado River Endangered Fish Recovery Program as critical habitat. The non-consumptive hydropower water right ensures continued flows for this important stretch of river.

The goal of the Project is to bring the GVPP up to a sustainable operating condition and meet current electric and safety standards. The GVPP was built in the early 1930s and has seen no major upgrades or modernization to date. Under current operations, the "water-to-wire" efficiency is approximately 54% with a maximum generation output of 2.5 MW. Calculations show as much as 4.1MW production should be feasible based on flow rate and available head.



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Lake 4 Outlet Pipeline Repair

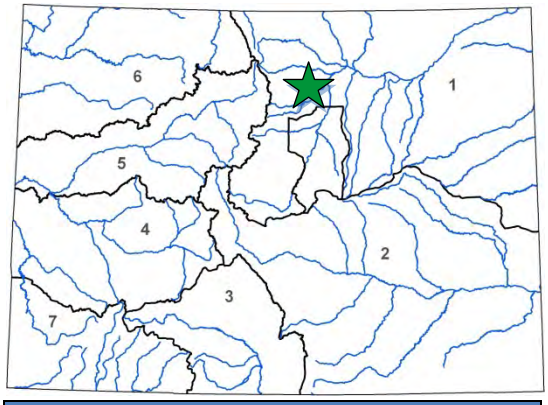
St. Vrain and Left Hand Water Conservancy District

January 2017 Board Meeting

LOAN DETAILS	
Project Cost:	$912,000
CWCB Loan (with Service Fee):	$619,130
Loan Term and Interest Rate:	30 Years @ 2.85%
Funding Source:	Construction Fund

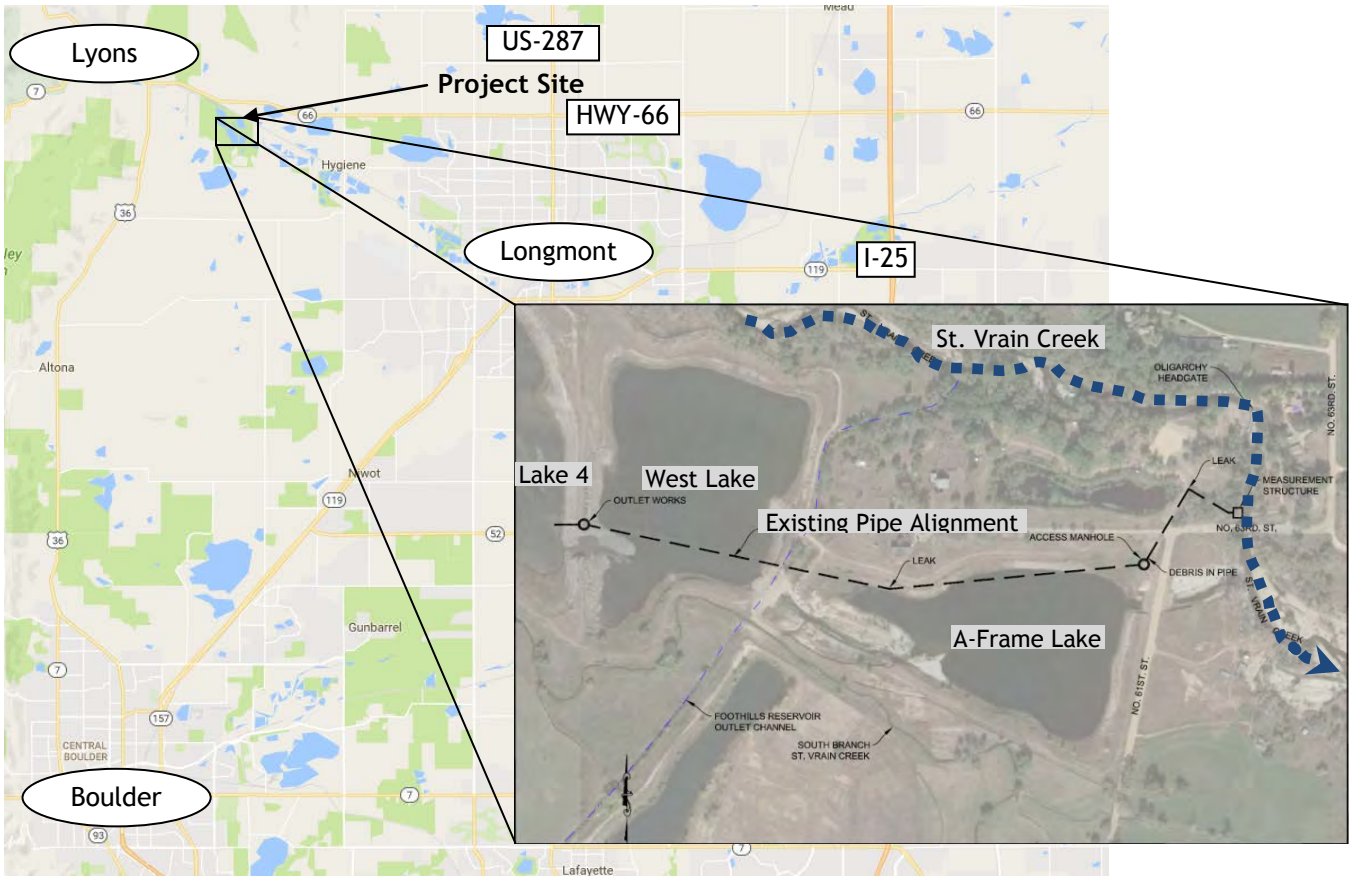
BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
0%	0% Low - 0% Mid - 97% High	3%

PROJECT DETAILS	
Project Type:	Reservoir Rehabilitation
Average Annual Delivery:	182 AF
Storage Preserved:	600 AF



LOCATION			
County:			Boulder
Water Source:			St Vrain Creek
Drainage Basin:			South Platte
Division:	1	*District:*	5

The St. Vrain and Left Hand Water Conservancy District and Boulder County Parks and Open Space jointly own a lined reservoir known as Rock'n WP Ranch Lake No. 4 (Lake 4). Lake 4 was created by reclaiming mined slopes, installing a slurry wall liner around the former gravel pit, and installing inlet and outlet structures. The outlet works included a half-mile-long 18-inch reinforced concrete pipe approximately extending from the dam to the St. Vrain Creek. The District and County County recently inspected the outletworks pipeline and determined that it is leaking in several locations. It is critical for reservoir accounting and water rights administration purposes that the water delivered through the pipeline be water from Lake 4 and not groundwater leaking into the pipe between the dam and the river. Therefore the District and Boulder County desire to repair the pipe to resolve the leakage and to extend the service life of the structure.



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

Robert Randall, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members

FROM: Anna Mauss, P.E., Marketing Manager
Kirk Russell, P.E., Deputy Director

DATE: March 22-23, 2017 Board Meeting

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 nineteen (19) projects authorized totaling $17 million. The CWCB Emergency Loan Program has completed construction on thirteen (13) projects as shown in Table 1.

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	11/2014
2	Ish Reservoir Company	Inlet Ditch & Div. Repair	Boulder	$207,050	11/2016
3	Big Thompson & Platte River	Diversion Structure Repair	Larimer	$189,861	12/2016
4	Church Ditch Water Authority	Leyden Creek Crossing Repair	Jefferson	$591,179	12/2016
5	Highland Ditch Company	Ditch System Repairs	Boulder	$1,477,756	12/2016
6	Left Hand Ditch Company	Ditch System Repairs	Boulder	$1,203,086	12/2016
7	Oligarchy Irrigation Company	Diversion Structure Repair	Boulder	$326,036	12/2016
8	Rough & Ready Irr. Ditch Co.	Diversion Structure Repair	Boulder	$246,851	12/2016
9	Beeman Irrigation	Diversion Dam Repair	Weld	$2,020,000	1/2017
10	Consolidated Home Supply Ditch & Reservoir Co	George Rist Ditch Repair	Larimer	$434,412	1/2017
11	Consolidated Home Supply Ditch & Reservoir Co	Big Dam Diversion Structure Repair	Larimer	$1,745,603	1/2017
12	Green Ditch Company	Green Ditch Channel Repair	Boulder	$189,200	3/2017
13	Culver Ditch Company	Culver Mahoney Ditch Repair	Boulder/Larimer	$151,500	03/2017
			Total:	$8,984,534	

Boulder and Larimer County Irrigating and Manufacturing Ditch Company
Emergency Boulder & Larimer Diversion Structure Repair

C150374

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project is to repair the Little Thompson River diversion structure and the Ish Reservoir inlet ditch structure to allow the Company to deliver water to shareholders.

Project Data

Sponsor: Boulder & Larimer County Irrigating & Manufacturing Ditch Co.

County: Boulder & Larimer

Water Source: Little Thompson River

Terms of Loan: $202,000 for 30 years @ 1.90%

Construction Completed: April 2014

Expended Amount: $202,000

Anticipates FEMA Funding: NO

Design Engineer: Tessara Water, LLC – Hudson, Colorado and SM&RC Structural Engineers, Inc. – Lakewood, Colorado

Contractors: Concrete Structures, Inc. – Longmont, CO. & Zac Dirt, Inc. – Longmont, CO.

Project Elements: The Project included the repair of the Little Thompson River diversion structure and the Ish Reservoir Inlet Ditch: The scope of work for the diversion structure repairs involved removing debris from the dam and diversion structure, forming and pouring a new wing wall on the north side of the diversion dam, and then rechanneling the Little Thompson River to flow back over the diversion dam. The scope of work for the inlet ditch washout repairs involved creating a new path for the Company's ditch through the area. This involved creating a foundation secured to bedrock and building a new water conveyance system on top of the foundation.

Ish Reservoir Company
Emergency Inlet Ditch and Diversion Structure Repair

C150376

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project is to repair the Little Thompson River diversion structure and the Ish Reservoir inlet ditch structure to allow the Company to deliver water to shareholders.

Project Data

Sponsor: Ish Reservoir Company **County:** Boulder & Larimer **Water Source:** Little Thompson River
Terms of Loan: $207,050 for 30 years @ 1.75% **Construction Completed:** April 2014
Expended Amount: $207,050
Anticipates FEMA Funding: NO
Design Engineer: Tessara Water, LLC – Hudson, Colorado and SM&RC Structural Engineers, Inc. – Lakewood, Colorado

Contractors: Concrete Structures, Inc. – Longmont, CO. & Zac Dirt, Inc. – Longmont, CO.

Project Elements: The Project included the repair of the Little Thompson River diversion structure and the Ish Reservoir Inlet Ditch: The scope of work for the diversion structure repairs involved removing debris from the dam and diversion structure, forming and pouring a new wing wall on the north side of the diversion dam, and then rechanneling the Little Thompson River to flow back over the diversion dam. The scope of work for the inlet ditch washout repairs involved creating a new path for the Company's ditch through the area. This involved creating a foundation secured to bedrock and building a new water conveyance system on top of the foundation.

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency Big Thompson and Platte River Diversion Structure Repair

Big Thompson and Platte River Ditch Company

Project Closeout December 1, 2016

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project was to repair the diversion structure and crossing structures to allow the Company to deliver water to shareholders. The Company's diversion structure and by-pass structure were repaired and its crossing over the Little Thompson River was replaced with a siphon to provide for greater flood resiliency. The old crossing structure was a bottleneck at times of free river, so the structure has been improved to allow for additional flows. Final loan costs were lower than originally anticipated because many project components were able to be repaired as opposed to being replaced.

P R O J E C T D A T A		
Sponsor: Big Thompson and Platte River Ditch Company	*County:* Larimer	*Water Source:* Big Thompson River
Type of Project: Diversion Rehabilitation	*Board Approval Date:* October 2013	
Loan Terms: (Original) $808,000 at 1.85% for 30 years *(Disbursed)* $189,861.39		
Design Engineer: NOCO Engineering Inc. & Weeks & Associates, Inc.		
Contractor: Kielian Construction		
Project Elements: Headgate rehabilitation, siphon construction, flood clean up.		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency Leyden Creek Crossing Repair

Church Ditch Water Authority

Project Closeout December 1, 2016

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Authority's Church Ditch. Church Ditch flood repairs include restoring the Church Ditch to pre-flood conditions. The Leyden Creek Crossing Structure was rebuilt with this section of the ditch piped to prevent the uncontrolled diversion of flood waters in potential future events. For all areas of the ditch, sediment that was deposited by the flood was removed and the ditch banks were reshaped where sloughing occurred. Riprap was added to portions of the reconstructed ditch banks to prevent erosion and increase protection to the ditch. This project qualified for FEMA public assistance.

P R O J E C T D A T A		
Sponsor: Church Ditch Water Authority	*County:* Jefferson	*Water Source:* Clear Creek
Type of Project: Diversion Rehabilitation	*Board Approval Date:* October 2013	
Loan Terms: (Original) $606,000 at 2.85% for 30 years *(Disbursed)* $591,178.65		
Design Engineer: Ecological Resource Consultants, Inc.& SM&RC Structural Engineers, Inc.		
Contractor: J.L. Melton Construction, Inc.; Kemp and Hoffman, Inc.; & Diamond Excavating, Inc.		
Project Elements: Piping a ditch crossing a creek. Bank stabilization.		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency Highland Ditch System Repairs

Highland Ditch Company

Project Closeout December 1, 2016

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project was to repair the Company's system to allow the delivery of water to shareholders. This project included the reconstruction of the Highland Ditch diversion structure and headgate that were completely washed away in Lyons along the St. Vrain River. The inlet and outlet ditches of Foothills Reservoir were also rehabilitated as part of the project. The work included: repairing of the main diversion structure, headgate, SCADA system, and inlet and outlet ditches of Foothills Reservoir. This project qualified for FEMA public assistance, and coordination remains on-going.

P R O J E C T D A T A		
Sponsor: Highland Ditch Company	*County:* Boulder	*Water Source:* St. Vrain Creek
Type of Project: Diversion Rehabilitation	*Board Approval Date:* October 2013	
Loan Terms: (Original) $1,999,800 at 1.95% for 30 years *(Disbursed)* $1,477,756.28		
Design Engineer: Tessara Water, LLC. & Providence Infrastructure Consultants, Inc.		
Contractor: Zac Dirt, Inc.		
Project Elements: Diversion dam and trash rack construction. Flood clean up.		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency Left Hand Ditch System Repairs

Left Hand Ditch Company

Project Closout December 1, 2016

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's system. The Company restored its system to pre-flood condition which included: Replacement of the Left Hand Creek parshall flume and recorder station, repair of several Left Hand Valley ditch diversions (Crocker, Table Mountain, Bader, Hunman, Star, Holland, Williamson, and Gold Lake Filler Ditch), and replacement of the diversion dam and headgate structure at the Allens Lake Filler Canal.

P R O J E C T D A T A		
Sponsor: Left Hand Ditch Company	*County:* Boulder	*Water Source:* Left Hand Creek
Type of Project: Diversion Rehabilitation	*Board Approval Date:* October 2013	
Loan Terms: (Original) $3,276,056 at 2.30% for 30 years *(Disbursed)* $1,203,086.40		
Design Engineer: Smith Geotechnical Engineering Consultants, Inc.		
Contractor: Left Hand Excavating, Inc.		
Project Elements: Repair of multiple diversions and headgate structures along the St. Vrain Creek corridor. Replacement of measuring flume.		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency Oligarchy Ditch River Diversion Structure Repair

Oligarchy Irrigation Company

Project Closeout December 1, 2016

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Oligarchy Ditch Company's diversion structure on the St. Vrain Creek. The original structure was completely lost in the flood. The diversion structure was completely reconstructed to the same size and location as the original with slightly modified sand gates and flumegate. For better operation and river administration, the rebuilt diversion separates the sand gate and the flumegate into their own passages through the diversion dam. A fish ladder was also constructed as part of the project.

P R O J E C T D A T A		
Sponsor: Oligarchy Irrigating Company	*County:* Boulder	*Water Source:* St. Vrain Creek
Type of Project: Ditch Rehabilitation	*Board Approval Date:* September 2015	
Loan Terms: (Original) $1,262,500 @ 2.50% for 30 years *(Disbursed)* $1,073,069.12		
Design Engineer: Deere and Ault Consultants, Inc.		
Contractor: Fischer Construction, Inc.		
Project Elements: Diversion Structure, sluice and flume gates, headgates, & fish ladder.		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency Oligarchy Ditch River Diversion Structure Repair

Rough & Ready Irrigating Ditch Company

Project Closeout December 1, 2016

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Rough and Ready Irrigating Company's river diversion on the St. Vrain Creek. This structure also serves as the diversion dam for the Palmerton Ditch. The diversion dam and sand gates were completely lost to the flood and the headgates sustained major damage. The purpose of this Project was to completely reconstruct the diversion dam, sand gates, headgates, ditches, and measuring flumes. The structure was completely reconstructed to the same size and location but included a combined conveyance ditch off the diversion and the addition of a bypass to the river to better regulate diversions. Additionally, a fish ladder was incorporated into the new diversion dam

P R O J E C T D A T A		
Sponsor: Rough & Ready Irrigating Ditch Company	*County:* Boulder	*Water Source:* St. Vrain Creek
Type of Project: Ditch Rehabilitation	*Board Approval Date:* September 2015	
Loan Terms: (Original) $1,843,250 @ 2.70% for 30 years *(Disbursed)* $1,210,116.19		
Design Engineer: Deere and Ault Consultants, Inc.		
Contractor: Lawrence Construction Company, Inc. -		
Project Elements: Diversion dam with fish ladder, headgates, conveyance ditch, river turnout structure.		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency Beeman Diversion Dam Repair

Beeman Irrigating Ditch and Milling Company

Project Closeout January 1, 2017

Reconstructed Adjustable Headworks Structure

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's system. The Company and Meadow Island No. 2 jointly operate a diversion dam, measurement flume, and bifurcation structure. The flood deposited silt covered the dam and cut a new channel through the historic island, cutting off flow to the joint headworks area. This project included four phases: (1) demolition of existing structure and reconstruction of the headworks, (2) installation of an adjustable check dam in place of the current stop log dam, (3) demolition/reconstruction of a portion of the existing 'big dam' structure, and (4) channel bank stabilization.

P R O J E C T D A T A		
Sponsor: Beeman Irrigating Ditch & Milling Company	*County:* Weld	*Water Source:* South Platte River
Type of Project: Diversion Rehabilitation	*Board Approval Date:* October 2013	
Loan Terms: (Original) $2,020,000 at 1.75% for 30 years *(Disbursed)* $1,479,643.46		
Design Engineer: Smith Geotechnical Engineering Consultants, Inc.		
Contractor: Northern Colorado Constructors, Inc.		
Project Elements: Headworks and diversion dam constructin including (1) 2'x60' and (1) 3'x48' Obermeyer Gates, solar powered automation equipment		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency George Rist Ditch Repair

Consolidated Home Supply Ditch and Reservoir Company

Project Closeout January 1, 2017

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's George Rist ditch and diversion structure. During the flood, the diversion dam, headgate, measuring flume, stilling well and house, and access road was heavily damaged. Additionally, two sections of ditch embankment were completely washed out. The Project included cleaning debris and silt out of the diversion dam and headgates, reconstruction of the measuring flume and stilling well, and reconstruction of the diversion structure access road. The two sections of ditch embankment that were breached were restored with compacted material and erosion protection measures

P R O J E C T D A T A		
Sponsor: Consolidated Home Supply Ditch & Res. Co.	*County:* Larimer	*Water Source:* Big Thompson River
Type of Loan: Diversion Rehabilitation	*Board Approval Date:* October 2013	
Terms of Loan: (Original) $519,140 at 1.95% for 30 years *(Disbursed)* $491,111.77		
Design Engineer: Deere & Ault Consultants		
Contractor: Gerrard Excavating		
Project Elements: Diversion dam and headgate repair; parshall flume, ditch embankment rebuild		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency Big Dam Diversion Structure Repair

Consolidated Home Supply Ditch and Reservoir Company

Project Closeout January 1, 2017

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's "Big Dam" diversion structure. During the flood, the river overtopped the structure by approximately ten feet. The top five feet of the masonry structure was washed out and the mortar between masonry blocks on the north abutment was partially lost. Construction activities on the dam included the installation of new masonry blocks, a concrete cap, and a new spillway with an adjustable obermeyer gate. Construction on the dam required the reconfiguration of the company's headgates. Though not directly attributable to the flood, the Company chose to replace its sand out gates, control gates, and the parshall flume as they were in poor condition needing replacement. The company has a FEMA Project Worksheet for the dam and headgates and are in the process of seeking reimbursement for eligible costs.

P R O J E C T D A T A		
Sponsor: Consolidated Home Supply Ditch & Res. Co.	*County:* Larimer	*Water Source:* Big Thompson River
Type of Loan: Diversion Rehabilitation	*Board Approval Date:* October 2013	
Terms of Loan: $1,858,400 at 1.95% for 30 years		
Design Engineer: Deere & Ault Consultants		
Contractor: Gerrard Excavating		
Project Elements: Masonry dam reconstruction; 6'x20' Obermeyer gate (spillway) w/ control house; (2) 5'x7'6" headgates; (2) 6'x7'3" sandout gates; (2) 6'6"x6'6" Control gates; acess road, walkways, new parshall flume		

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency Green Ditch Channel Repair

Green Ditch Company

Project Closeout March 1, 2017

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Green Ditch. The flood relocated Boulder Creek upstream of the Green Ditch diversion thereby leaving the Green Ditch headgate dry. The project included repairing the Boulder Creek channel breach with compacted embankment material and riprap erosion control. Boulder Creek currently flows in its pre-flood flowline alignment over the Green Ditch diversion structure. The Company analyzed a plan to relocate the diversion structure but has since decided to instead focus on fully restoring and improving the structure at its historic location. Work continues on this front but emergency loan funds will not be needed to complete the task.

P R O J E C T D A T A		
Sponsor: Green Ditch Company	*County:* Boulder	*Water Source:* Boulder Creek
Type of Loan: Ditch Rehabilitation	*Board Approval Date:* November 2013	
Terms of Loan: *(Original)* $530,250 at 2.50% for 30 years *(Disbursed)* $189,199.50		
Design Engineer: Applegate Group		
Contractor: Lefthand Excavating		
Project Elements: Headgate, sand gate, measurement flume rehabilitation, ditch reshaping, debris and silt removal.		

Culver Lateral Ditch Company
Emergency Culver Mahoney Ditch Repair

150390

Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Culver Lateral Ditch Company ditch and diversion structure. The flood damaged the diversion dam, headgate structure, sand gates, measurement flume, and recording structure. Additionally, the first 1,500 feet of ditch was destroyed as it effectively became a part of the Little Thompson River. The next 1,800 feet of ditch was filled with sediment. The purpose of the Project is to repair the diversion structure and ditch to allow the Company to divert its decreed water rights.

Project Data

Sponsor: Culver Lateral Ditch Company **County:** Boulder/Larimer **Water Source:** Little Thompson River
Terms of Loan: $151,000 for 30 years @ 2.30% **Construction Completed:** May 2014
Expended Amount: $151,000
Anticipates FEMA Funding: YES
Design Engineer: TZA Water Engineers, Inc. – Lakewood, Colorado

Contractor: Chaparral Construction, LLC – LaVeta, Colorado

Project Elements: The project included removal of debris and silt from the ditch and diversion dam, reshaping the ditch sideslopes and flowline, and rehabilitation of the headgate structure, sand gates, measurement flume, and recording structure.

	Current Projects in Design or under Construction Borrower/Project	County	Loan Amount	Design Status	Construction Start/End	Construction Status	PM	Status Description/Update
1	Big Elk Meadows Association > Emergency Raw Water Storage Repair C150391	Boulder/ Larimer	$ 1,515,000	75%	7/2014-9/2018	30%	JMH	Project includes the reconstruction of 5 dams in series. Mirror Dam complete as of April 2015. Rainbow Dam' complete as of December 2016. Willow Dam to begin construction Summer 2017. Sunset and Meadow Dams pending. Association is asking for a loan increase to
2	Butte Irrigation & Milling Company > Emergency Berm Repair C150382	Boulder	$ 277,750	100%	4/2014-5/2014	100%	JMH	Construction complete, loan funds remaining. No additional dibursements are anticipated. Loan to be closed out 5/1/17.
3	North Poudre Irrigation Company > Fossil Creek Res. Diversion Structure Repair C150368	Larimer	$ 876,680	100%	11/2015 - 3/2016	100%	JMH	Construction was delayed due to continuously high river conditions during winter of 2014/2015. Bids were received August 2015 and construction began November 2015. Work has been completed and company is waiting for possible FEMA reimbursements. Loan to be
4	St. Vrain and Left Hand Water Conservancy District > Emergency Rock'n WP Ranch Lake No. 4 Repair	Boulder	$ 4,545,000	50%	Spring 2017 - Fall 2017	0%	JMH	Approved July 2014 Board Meeting. Contract has been signed and final design is underway.
5	Supply Irrigating Ditch Company >Emergency Supply Irri	Boulder	$324,210	100%	3/2015-5/2015	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated. FEMA reimbursements pending. Loan to be closed out 3/1/18.
6	Sylvan Dale Ranch,LLP > Emergency Irrigation Pond Excavation C150392	Larimer	$ 105,171	100%	6/2014-4/2014	100% Ltr	JMH	Project is complete and borrower has repaid a large sum of the principal. Loan to be closed out 6/1/17.

Projects Under Contract SubTotal = $ 7,643,811

Projects Substantially Completed

1	Boulder and Larimer County Irrigation > Boulder & Larimer Diversion Structure Repair C150374	Boulder & Larimer	$ 202,000	100%	1/2014-4/2014	100% Ltr	JMH	Loan Paid in Full
2	Ish Reservoir Company > Inlet Ditch & Diversion Structure Repair C150376	Boulder	$ 207,050	100%	1/2014-4/2014	100% Ltr	JMH	Loan Paid in Full
3	Big Thompson and Platte River > Big Thompson & Platte River Div. Structure Repair C150373	Larimer	$ 189,861	100%	5/2014-6/2014	95%	JMH	12/1/16
4	Church Ditch Water Authority > Leyden Creek Crossing Repair C150377	Jefferson	$ 591,179	100%	1/2014-5/2014	95%	JMH	12/1/16

5	Highland Ditch Company > Highland Ditch System Repairs C150369	Boulder	$ 1,477,756	100%	10/2013-4/2014	100%	JMH	12/1/16
6	Left Hand Ditch Company > Left Hand Ditch System Repairs C150370	Boulder	$ 1,203,086	100%	10/2013-2/2015	99%	JMH	12/1/16
7	Oligarchy Irrigation Company > Oligarchy Irr. Ditch River Diversion Struct. Repair C150372	Boulder	$ 326,036	100%	1/2014-5/2014	100%	JMH	12/1/16
8	Rough & Ready Irrigation Ditch Company > Rough & Ready River Diversion Struct.Repair C150371	Boulder	$ 246,851	100%	1/2014-5/2014	100%	JMH	12/1/16
9	Beeman Irrigation > Emergency Beeman Diversion Dam Repair C150385	Weld	$ 2,020,000	100%	1/2014-5/2014	100%	JMH	1/1/17
10	Consolidated Home Supply Ditch & Reservoir Co > George Rist Ditch Repair C150380	Larimer	$ 434,412	100%	2/2014-5/2014	99%	JMH	1/1/17
11	Consolidated Home Supply Ditch & Reservoir Co > Big Dam Diversion Structure Repair C150375	Larimer	$ 1,745,603	100%	1/2014-9/2015	100%	JMH	1/1/17
12	Green Ditch Company > Emergency Green Ditch Channel Repair C150383	Boulder	$ 189,200	100%	5/2014-6/2014	100%	JMH	3/1/17
13	Culver Ditch Company > Culver Mahoney Ditch Repair C150390	Boulder & Larimer	$ 151,500	100%	2/2014-4/2014	100% Ltr	JMH	3/1/17

Projects Completed Sub Total: $8,984,533.42

CWCB Water Project Loan Program
Project Data Sheet

C150391

Borrower: Big Elk Meadows Association

County: Boulder/Larimer

Project Name: Emergency Raw Water Storage Repair Project

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: West Fork of the Little Thompson River

Total Project Cost: $1,900,000

Funding Source: Severance Tax PBF

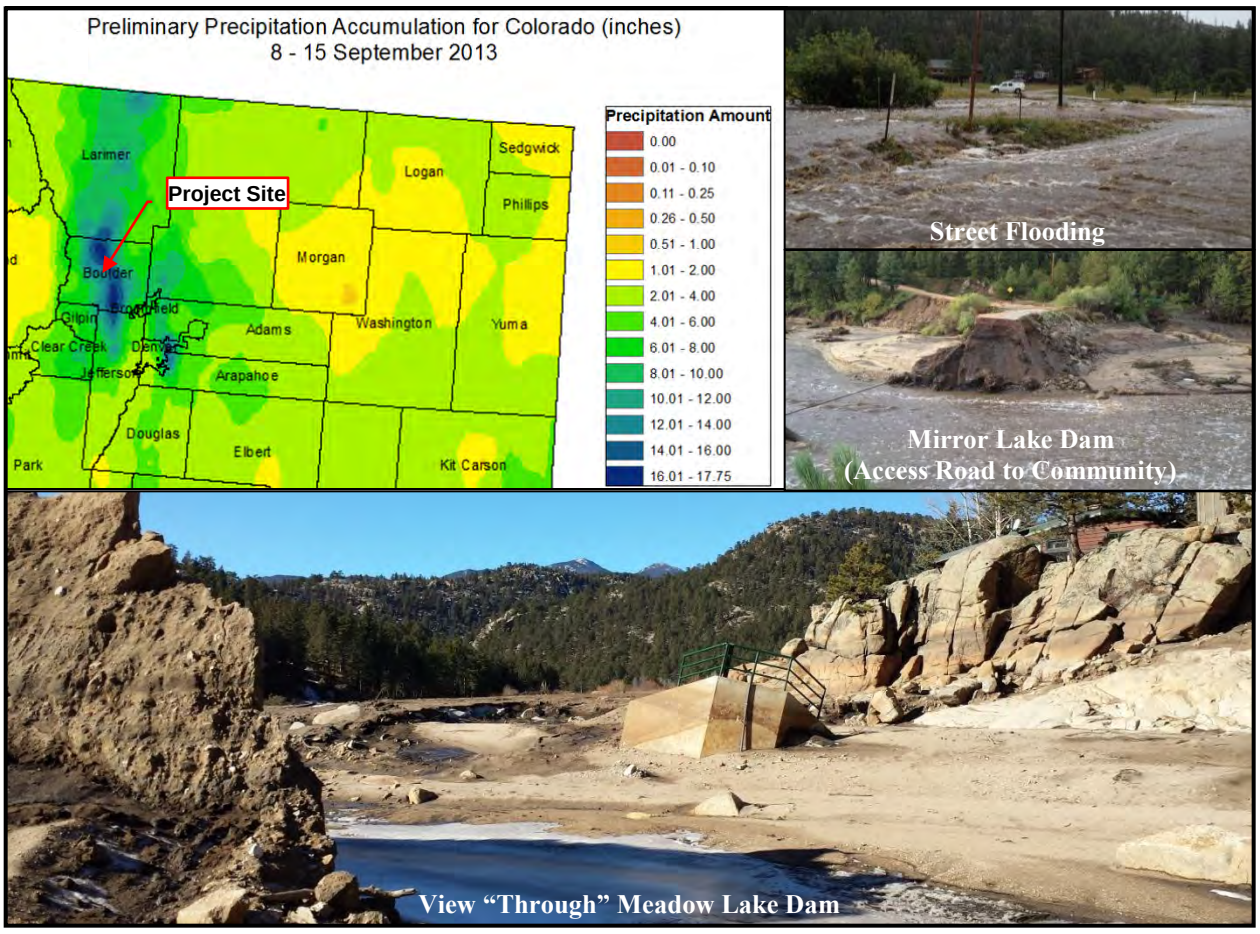
Type of Borrower: Middle-Income Municipal

Water Storage: 108 AF

CWCB Loan: $1,515,000 (with 1% service fee)

Interest Rate: 2.75% **Term:** 30-years

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. Measured rainfall in and around Big Elk Meadows exceeded the 1,000-year Average Recurrence Interval for rainfall. Flow along the West Fork reached historic levels and resulted in the destruction of all five dams; both flow monitoring stations; the community's access road (CR-47); the majority of interior roads; and the water, power, and telephone services. The purpose of this project is to restore the community's water supply by reconstructing the five dams and two monitoring stations.



CWCB Water Project Loan Program
Project Data Sheet

C150382

Borrower: Butte Irrigating & Milling Company

County: Boulder

Project Name: Emergency Berm Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 6

Water Source: Boulder Creek

Total Project Cost: $275,000

Funding Source: Severance Tax PBF

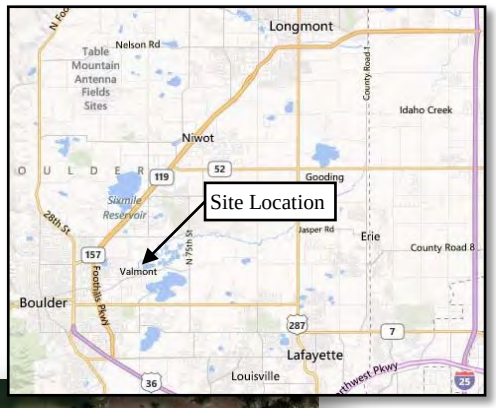
Type of Borrower: Blended

Average Annual Diversion: 1,177 AF

CWCB Loan: $277,750
(with 1% service fee)

Interest Rate: 2.30% **Term:** 30-years
(48% Ag, 51% Mid-Muni, 1% Commercial

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's Butte Mill Ditch. Portions of the ditch were silted in and the flood eventually breached a berm upstream of the Company's diversion point, causing the post-flood river to bypass the diversion structure. The purpose of the Project is to repair this berm and clean out the ditch channel to allow the Company to divert its decreed water rights.



CWCB Water Project Loan Program
Project Data Sheet

C150368

Borrower: North Poudre Irrigation Company

County: Larimer

Project Name: Fossil Creek Reservoir Diversion Structure Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 3

Water Source: Cache la Poudre

Total Project Cost: $477,000

Funding Source: Severance Tax PBF

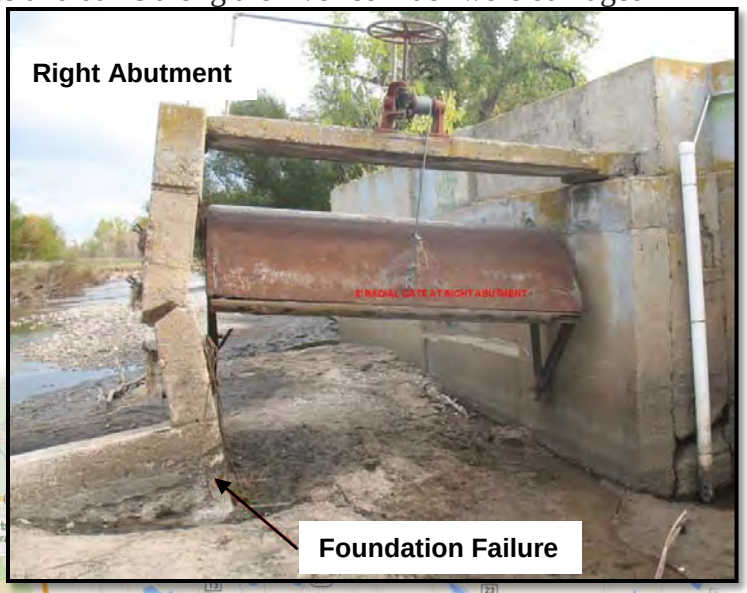
Type of Borrower: Blended

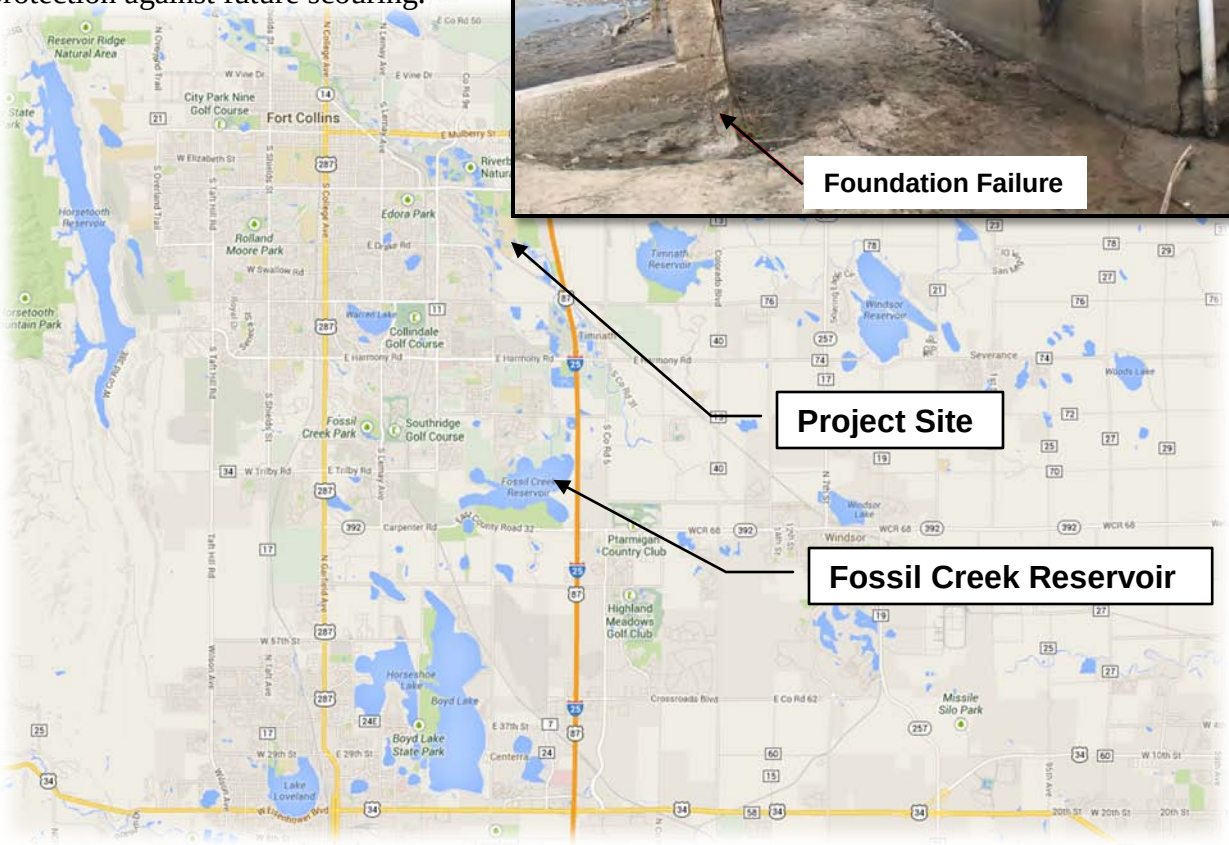
Average Annual Diversion: 31,700 AF

CWCB Loan: $481,770
(with 1% service fee)

Interest Rate: 2.35% **Term:** 30-years
(37% Ag, 1% Low, 57% Mid, 4% High, <1% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's Fossil Creek Reservoir inlet diversion off the Cache la Poudre River. The purpose of the Project is to repair the existing diversion structure by rebuilding the check dam and abutment. The Project will restore the structure to pre-flood elevations while modifying the foundation to improve protection against future scouring.





CWCB Water Project Loan Program
Project Data Sheet

Borrower: St. Vrain and Left Hand Water Conservancy District
Project Name: Emergency Rock'n WP Ranch Lake No. 4 Repair Project
Drainage Basin: South Platte

Total Project Cost: $9,000,000

Type of Borrower: Blended

CWCB Loan: $4,545,000 (with 1% service fee)

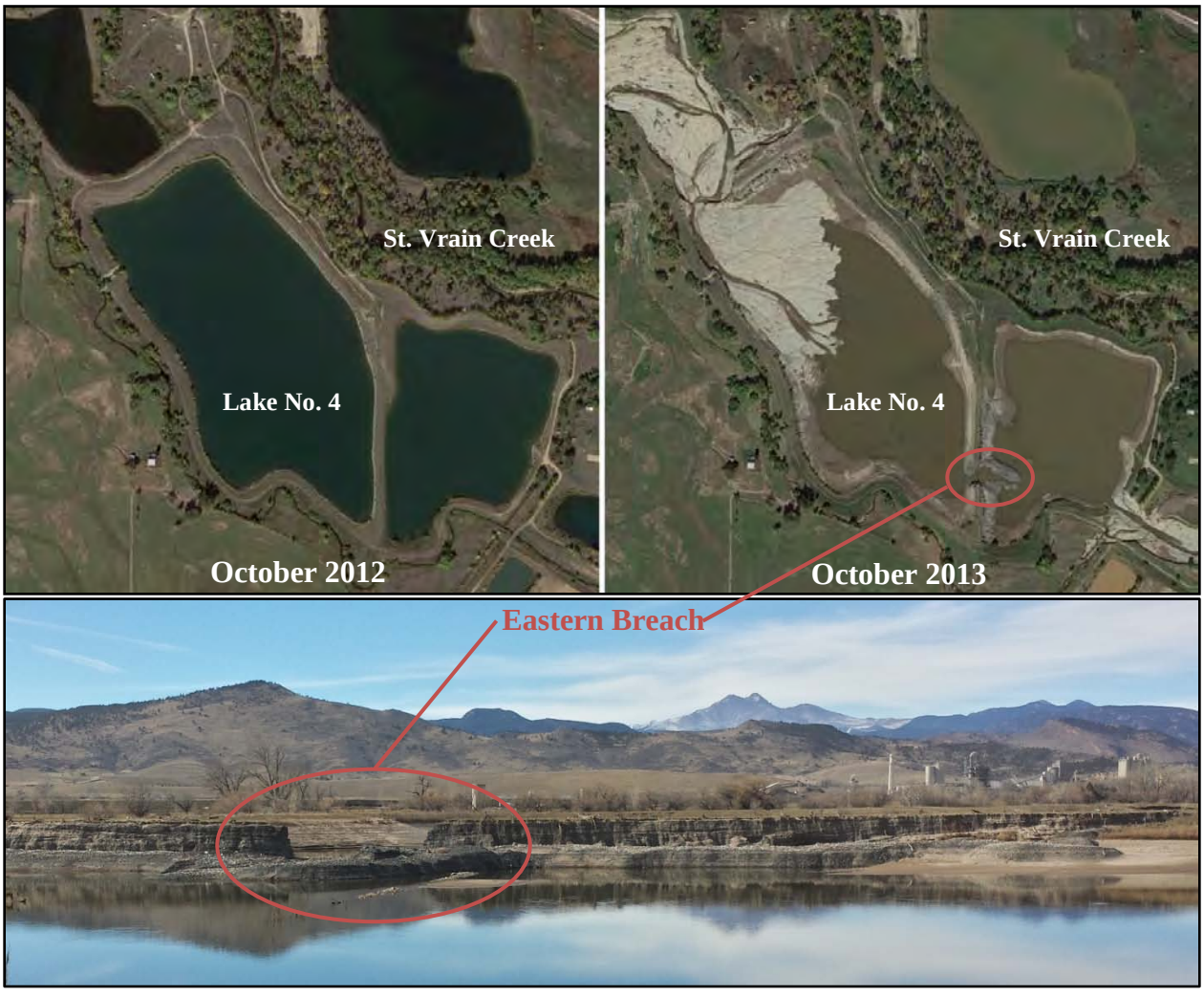
County: Boulder

Project Type: Reservoir Rehabilitation

Water Source: St. Vrain Creek

Funding Source: Severance Tax Perpetual Base Fund
Average Annual Augmentation: 200 AF
Preserved Water Supply Storage: 600 AF
Interest Rate: 3.2% **Term:** 30-years
(Ownership: 93% High Municipal, 7% Commercial)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the District's Rock'n WP Ranch Lake No. 4. During the flood, St. Vrain Creek breached in over four locations above the Lake. The unlined gravel pits above the Lake were flooded, causing their earthen embankments to fail, sending flood water into the Lake. The Lake filled and eventually overtopped, breaching its eastern embankment. The purpose of the Project is to repair the Lake to resume its use as a water augmentation reservoir by the District. Boulder County is a co-owner of the Lake. As the County and the District are public agencies, it is expected that FEMA will reimburse 75% of the Project Cost and the State's Public Assistance Program will cover 12.5% under their respective emergency programs. The remaining cost of repairs will be evenly split with Boulder County.



COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Emergency Supply Irrigating Ditch Repair Project

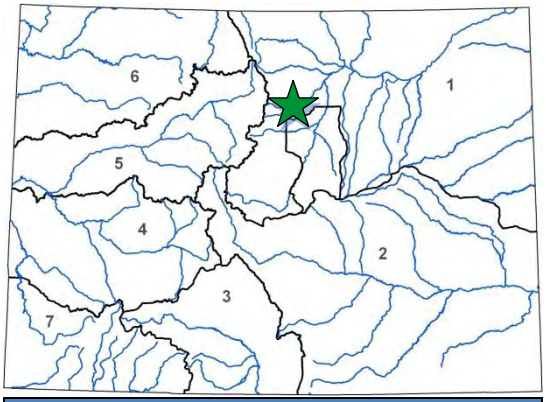
Supply Irrigating Ditch Company

November 2014 Board Meeting

LOAN DETAILS	
Project Cost:	$321,000
CWCB Loan (with Service Fee):	$324,210
Loan Term and Interest Rate:	27 Years @ 2.25%
Funding Source:	*Severance Tax Perpetual Base Fund*

BORROWER TYPE		
Agriculture	*Municipal*	*Commercial*
86%	0% Low - 5% Mid - 7% High	2%

PROJECT DETAILS	
Project Type:	Ditch Rehabilitation
Average Annual Diversion:	4,650 AF



LOCATION			
County:			Boulder
Water Source:			Saint Vrain Creek
Drainage Basin:			South Platte
Division:	1	*District:*	5

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's ditch system. Floodwaters destroyed the diversion dam, caused heavy sedimentation in the ditch, and damaged 750 LF of ditch. Temporary repairs were completed in order to allow the Company to divert a portion of its water rights during the 2014 irrigation season. The Company has received approval of its Project Worksheet from FEMA to fund a portion of the permanent repairs. This loan will cover the remaining cost associated with the repairs and provide upfront funding for the FEMA reimbursement funds. Construction is scheduled to be complete prior to the 2015 irrigation season.

Sylvan Dale Ranch, LLLP
Emergency Irrigation Pond Excavation

C150392

Project Description

The Ranch has been owned and operated by the Jessup family since 1946 as both a guest ranch and a working ranch encompassing 3,200 acres in the foothills at the mouth of the Big Thompson Canyon, seven miles west of Loveland. There are 160 the year, the pastures are grazed by the Ranch's grass-fed cattle herd. The Ranch owns two adjoining ponds next to Big Thompson River. The ponds, which were silted in during the September 2013 flood, are fed by springs and drain into the river just above the George Rist Ditch diversion. The Ranch pumps water out of the ponds to irrigate pastures located immediately south of the ponds. Between 142 and 190 acre-feet are used per season, using two center pivots. Without these ponds, there is no means to irrigate the pastures. The purpose of this project is to excavate the silt from the ponds.

Project Data

Sponsor: Sylvan Dale Ranch, LLP **County:** Larimer **Water Source:** Big Thompson River
Terms of Loan: $105,171 for 30 years @ 1.75% **Construction Completed:** May 2014
Expended Amount:$105,171
Anticipates FEMA Funding: NO
Design Engineer: None

Contractor: Custom Design Fabricators – Livermore, Colorado

Project Elements: The ponds were excavated and the silt was distributed to various locations on the Ranch.

WATER PROJECT CONSTRUCTION LOAN PROGRAM
LOAN REPAYMENT DELINQUENCY REPORT
LOAN FINANCIAL ACTIVITY REPORT
MARCH 2017

LOAN REPAYMENT DELINQUENCY

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2016 through February 2017. 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 eight months of Fiscal Year 2017 totaled 174. There were three loan payments not received on time during this period. The loan payment from the Sanchez Ditch and Reservoir Company was less than 30 days late. The loan payments from Fuchs Ranches, Inc. and the Town of Rico were less than 60 days late. Thus, the on-time performance for the total repayments due was 98% in compliance or 2% not in compliance.

LOAN FINANCIAL ACTIVITY

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2017 is summarized as follows: Funds received relative to loans in repayment totaled $91.7 M for this year. Funds disbursed relative to new project loans totaled $18.2 M for this year. Net activity resulted in $73.5 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 $78.5 M in receivables and $16.5 M in disbursements for a total net activity of $62.0 M received over disbursed. The STPBF consists of $13.2 M in receivables and $1.7 M in disbursements for a total net activity of $11.5 M received over disbursed.

[See Details in Table on the Next Page]

COLORADO WATER CONSERVATION BOARD

FINANCIAL ACTIVITY REPORT FOR FISCAL YEAR 2017

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2016	$ 175,219	$ 177,772	$ 352,990	$ -	$ 352,990
August 2016	$ 69,829,119	$ 1,139,802	$ 70,968,921	$ 1,422,775	$ 69,546,146
September 2016	$ 594,899	$ 1,087,003	$ 1,681,902	$ 702,809	$ 979,093
October 2016	$ 775,633	$ 604,218	$ 1,379,851	$ 716,499	$ 663,352
November 2016	$ 468,976	$ 378,366	$ 847,342	$ 2,462,536	$ (1,615,194)
December 2016	$ 954,147	$ 984,727	$ 1,938,874	$ 7,485,252	$ (5,546,378)
January 2017	$ 374,491	$ 240,886	$ 615,378	$ 1,935,534	$ (1,320,157)
February 2017	$ 399,486	$ 289,133	$ 688,619	$ 1,763,540	$ (1,074,921)
March 2017	$ -	$ -	$ -	$ -	$ -
April 2017	$ -	$ -	$ -	$ -	$ -
May 2017	$ -	$ -	$ -	$ -	$ -
June 2017	$ -	$ -	$ -	$ -	$ -
FY 2017 Totals	**$ 73,571,970**	**$ 4,901,907**	**$ 78,473,877**	**$ 16,488,945**	**$ 61,984,932**

SEVERANCE TAX PERPETUAL BASE FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2016	$ 60,728	$ 34,502	$ 95,230	$ -	$ 95,230
August 2016	$ 423,038	$ 65,634	$ 488,672	$ 494,138	$ (5,466)
September 2016	$ 3,373,146	$ 1,305,042	$ 4,678,189	$ 20,285	$ 4,657,904
October 2016	$ 370,975	$ 472,810	$ 843,785	$ 130,390	$ 713,395
November 2016	$ 4,741,943	$ 185,184	$ 4,927,128	$ 350,346	$ 4,576,782
December 2016	$ 641,627	$ 180,155	$ 821,782	$ -	$ 821,782
January 2017	$ 520,403	$ 106,654	$ 627,057	$ 626,089	$ 967
February 2017	$ 644,227	$ 128,588	$ 772,815	$ 80,849	$ 691,966
March 2017	$ -	$ -	$ -	$ -	$ -
April 2017	$ -	$ -	$ -	$ -	$ -
May 2017	$ -	$ -	$ -	$ -	$ -
June 2017	$ -	$ -	$ -	$ -	$ -
FY 2017 Totals	**$ 10,776,088**	**$ 2,478,569**	**$ 13,254,656**	**$ 1,702,096**	**$ 11,552,560**
GRAND TOTALS	**$ 84,348,058**	**$ 7,380,476**	**$ 91,728,533**	**$ 18,191,041**	**$ 73,537,492**