



# **COLORADO WATER CONSERVATION BOARD**

## **DIRECTOR'S REPORT**

**JULY 2012**

# STATE OF COLORADO

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## Colorado Water Conservation Board

### Department of Natural Resources

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TO: Colorado Water Conservation Board

FROM: Jennifer Gimbel  
Brent Newman  
CWCB Staff

DATE: July 17-18, 2012

SUBJECT: **Agenda Item 5d**, July 2012 CWCB Board Meeting  
Director's Report

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John W. Hickenlooper  
Governor

Mike King  
DNR Executive Director

Jennifer L. Gimbel  
CWCB Director

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## **~INTERSTATE AND FEDERAL~**

**U.S.-MEXICO BI-NATIONAL NEGOTIATIONS CONTINUE:** The principals for the Colorado River Basin States continue to work with U.S. and Mexican federal officials and other stakeholders to see if there may be opportunities to improve water management in a way that could benefit both countries. We will update the Board at the upcoming Board meeting in Executive Session. (*Ted Kowalski*)

## **~STATEWIDE~**

**COMPACT COMPLIANCE PIPELINE DEDICATION CEREMONY:** The Republican River Water Conservation District's Compact Compliance Pipeline Project is near completion and the District has scheduled a Dedication Ceremony on Thursday, August 16, 2012 at 7:00 p.m. The dedication will be held at the outfall structure where the pipeline joins the Republican River, approximately 4 miles east of Laird, CO on County Road SS. The construction was made possible through funding provided by a loan from the Colorado Water Conservation Board and from water use fees paid by well owners throughout the basin. The 12 mile pipeline has been built to assist Colorado in reaching compliance with the Republican River Compact. Please plan to attend this important event. For more information please contact the Republican River Water Conservation District at (970)332-3552. (*Kirk Russell*)

**GROUND WATER COMMISSION MEETING:** The Ground Water Commission (GWC) held its quarterly meeting on May 18, 2012, in Castle Rock, CO. The agenda items included routine reports and a presentation on recent Colorado Geological Survey (CGS) studies of the Denver Basin Aquifers by Peter Barkmann of the CGS. The GWC also discussed a proposed revision to the GWC rules and a question regarding the definition of municipal use. On June 29, 2012, the GWC held a hearing in Denver, CO regarding a Motion to Dismiss an Appeal of the Hearing Officer's Decision on the Gallegos case. The motion was denied, consequently a special GWC meeting to conduct a hearing on the Appeal of the Hearing Officer's Decision on the Gallegos case will be held in late August or early September, 2012. The Ground Water Commission will hold its next regular meeting on August 17, 2012 in Burlington, CO. For more information visit: <http://water.state.co.us/groundwater/CGWC/Pages/default.aspx>. (*Suzanne Sellers*)

**FLOOD DSS UPDATE:** The CWCB Flood DSS was developed in 2010 and houses information about flooding, river restoration, and weather modification in Colorado. In addition to containing data about different programs, flooding outlooks by county, and regulatory and historic flooding information, the DSS also has a robust set of real time data layers related to precipitation, radar, stream flow, and snowpack data. May statistics show that the website had 1,570 visitors to the Flood DSS which is an increase of approximately 300 visits from last year. The U.S. had about 60% of those visits, with China coming in second at 26%. The third category consists of blocked Internet protocol addresses which are of unknown origin. Ukraine and Germany round out the top five. Viewers from other states are common, with an especially high number of visitors from California and Alabama. (*Joe Busto*)

## **FLOODPLAIN MAP MODERNIZATION/RISK MAP UPDATE:**

**FY12 Activities:** Scopes of Work have been drafted and will be submitted to FEMA for projects in the Cache La Poudre and Purgatoire watersheds. Conversion projects (from Map mod to Risk Map) will include Chaffee, Pitkin, and Logan Counties.

**FY11 Activities:** Risk Map projects for the St. Vrain and Clear Creek Watersheds is underway. Lidar data is being acquired by FEMA and field surveys are being conducted this summer.

**FY10 Activities:** Work is underway for Chaffee, Logan and Pitkin Counties. Preliminary mapping for Pitkin County is almost completed. The final meeting will be in conjunction with FEMA's resiliency meeting, as part of the Risk Map effort. Hydraulic tasks and floodplain mapping tasks are continuing for Logan County. The LIDAR data for Chaffee County has been provided by the USGS. Hydraulic and floodplain mapping tasks have now resumed for Chaffee County.

**FY09 Activities:** The South Platte approximate floodplain delineation has been completed and approved by FEMA for Morgan County. The Morgan County DFIRM schedule has been delayed due to the levee in the Town of Wiggins. The Town is currently in the process of certifying the levee. FEMA has completed a second review of the levee certification package submitted by the Town of Wiggins. The Beaver Creek study through the Town of Brush has been submitted to FEMA for review and should be completed soon.

The Prowers County DFIRM floodplain mapping tasks have been completed. Preliminary floodplain mapping is complete but not yet approved. There are three levees to analyze in the county and will be affected by the recent FEMA memo on de-accredited levees. The Town of Lamar and Grenada are in the process of assessing their levees. This project is currently on hold awaiting new guidance for levee mapping.

**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 are now in the post preliminary phase and in the 90 day appeal period.

The Pueblo County DFIRM has been put on hold due to the recent FEMA memo on de-accredited levees. The Fountain Creek hydrology has been approved and most of the hydraulic analyses and floodplain mapping has been completed in the County. The project is on hold waiting for the new levee guidance to be distributed.

The Pueblo County Arkansas River Levee floodplain study is in progress, finalization is still progressing. This project was delayed due to the Fountain Creek hydrology and is now put on hold due to their de-accredited levee which is impacted by the recent FEMA memo.

**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.

**FY 06 Activities:** Weld County detailed study work continues to progress. The Town of Evans will not be certifying their levee and has submitted a formal letter to allow the DFIRM

process to move forward. The Draft Preliminary maps are scheduled to be submitted to FEMA for review in early July 2012. Fremont County DFIRMs became effective on January 6, 2012. Clear Creek County is in the post preliminary phase.

**FY 05 Activities:** Mesa County DFIRM became effective in June 2010. The Garfield County DFIRMs are now in the post preliminary phase and in the 90 day appeal period. The Montezuma County DFIRM went effective September 28<sup>th</sup> 2008.

**FY 04/03 Activities:** All of the Boulder County levees have been identified. The South Boulder Creek Study has been completed and approved. Incorporation of this study into the DFIRM is now complete. FEMA has provided Provisionally Accredited Levees (PAL) agreements for two levees in the County. The Boulder County preliminary maps were sent in March 2010. Public meetings took place in Longmont, Louisville, Lafayette, and in Boulder County. The Letter of Final Determination was sent to the communities on June 25, 2012 and effective maps should be issued in December 2012. (*Thuy Patton*)

**COLORADO WILDFIRES LIKELY TO ADD TO FUTURE FLOOD RISK:** Colorado is currently experiencing its worst wildfire season since 2002. With over 600 homes destroyed and over 200,000 acres burned (as of the date of this report), this season could likely become the worst fire season in Colorado history. As has been demonstrated over the past decade, effects from this season could unfortunately linger for several years in the form of increased flood risk downstream of these new burn scars.

Intense wildfires have multiple effects that increase flooding and erosion. By destroying vegetation, erosion can be increased due to the lack of root systems that hold soil in place. Downed trees and other fire debris can become waterborne debris during a rain event. Most significantly, intense burns denude the soil and make it hydrophobic, preventing water from infiltrating as it normally does and running off very quickly in response to rain events. In the most extreme circumstances, portions of previously healthy watersheds can have runoff characteristics resembling concrete. These effects can last up to ten years, although less intense burn scars can recover in a shorter time.

Perhaps the best examples of post-wildfire flooding in recent years are numerous events originating from the Hayman Burn area, culminating in the Westcreek flood of 2006, which caused over \$15 million of damages, primarily to State Highway 67. In addition, the Fourmile Canyon Fire burn scar in Boulder County produced some significant flooding events in July 2011, following this relatively small but particularly intense burn from Labor Day 2010.

Following the Fourmile Canyon Fire, the CWCB jointly sponsored a comprehensive analysis of post-wildfire flood risk with the Urban Drainage and Flood Control District (UDFCD). This analysis showed significantly higher flood potential. For example, the study indicated that a rainfall of 2.5 inches over just the burned area (a small portion of the full Fourmile Creek watershed) would likely result in a flowrate in Fourmile Creek that exceeds the 100-year event. It is important to note that while the 2.5 inch rainfall is not so common to occur every year, it is a rather low rainfall to produce a flood of this magnitude. Summer 2011 featured a peak streamflow of approximately 1,000 cubic feet per second (between a 5-year and 10-year event) following an areal-averaged rainfall of about 1-1.25 inches. According to Kevin Stewart, Manager of Information Services and Flood Warning at UDFCD, “the Fourmile Creek watershed

was very lucky in terms of avoiding what could have happened last year. While the floods were significant for that watershed, they were well below what an ‘average’ season would have likely produced.” It is anticipated that flood risk this summer is close to 95% of what it was last summer, and significant flood risk will persist in this watershed for at least 5-10 more years.

A similar situation could likely develop downstream of this year’s burn scars, most notably the High Park Fire in Larimer County and the Waldo Canyon Fire in Teller and El Paso Counties. CWCB staff are coordinating with local and federal partners to participate in flood risk assessment later this summer, but as of the time of this report, these fires are still burning, so little final information is known regarding new hydrologic characteristics of these watersheds. *(Kevin Houck)*

**MEASURABLE RESULTS PROGRAM (MRP) UPDATE:** CWCB Staff continued to develop the MRP in Fiscal Year 2012. A standard operating procedure (SOP) for surveying river channels and riparian areas was developed with the Colorado Watershed Assembly and the Colorado Water Quality Control Division. The SOP was also field tested and adjusted with four different companies that actively implement river restoration projects. The SOP will be delivered to select restoration project grantees before projects are implemented. The grantees will be responsible for delivering the pre and post project survey data to the CWCB. Staff intends to re-survey projects after flood events greater than 5 year recurrence interval. MRP is a critical component of the CWCB Watershed Protection Program. MRP will aid in the advancement of river restoration science as more survey data is collected. In 2012, surveys were performed on the Rio Blanco near Pagosa Springs, Middle Boulder Creek, and the San Miguel. Staff will monitor gaging stations near the survey project sites to determine the best time to re-survey. *(Chris Sturm)*

## **~COLORADO RIVER BASIN~**

**COLORADO RIVER WATER AVAILABILITY STUDY (CRWAS):** Since the CWCB’s Project’s bill was approved and signed by the governor, staff has initiated meetings with IBCC members to get an understanding of what they believe CRWAS Phase 2 should focus on. These meetings will help in the development of a scope of work that will include the original Phase 2 concept that included the results of the basins consumptive and non-consumptive needs assessments, with addition of the concept of risk management. Updates will be given to the CWCB Board as the scoping process proceeds. *(Ray Alvarado)*

**ADAPTIVE MANAGEMENT WORK GROUP (AMWG) AND TECHNICAL WORK GROUP (TWG) MEETINGS:** The Glen Canyon Adaptive Management Technical Work Group (“TWG”) annual summer meeting was held on June 20-21, 2012 in Phoenix, AZ. At this meeting, the TWG unanimously recommended a 2013 budget to AMWG. The AMWG will consider the 2013 budget and workplan at the August AMWG meeting, which will be held on August 29-30, 2012, in Flagstaff, AZ. For more information, go to: [http://www.usbr.gov/uc/rm/amp/amwg/amwg\\_mtginfo.html](http://www.usbr.gov/uc/rm/amp/amwg/amwg_mtginfo.html) *(Ted Kowalski)*

**COLORADO RIVER BASIN STATES SUBMIT LTEMP ALTERNATIVE:** On July 2, 2012 the Colorado River Basin States submitted to the U.S. National Park Service (“NPS”) and the U.S. Bureau of Reclamation (“BOR”) a “Resource Targeted Condition-Dependent Strategy” for the Long Term Experimental and Management Plan for the Operation of Glen Canyon Dam



EIS (“LTEMP EIS”). The Basin States Alternative is available upon request or on the CWCB’s website. For more information, visit: <http://ltempeis.anl.gov/index.cfm>. (*Ted Kowalski*)

**UPPER COLORADO RIVER COMMISSION (UCRC) SPRING MEETING:** The UCRC held its work meeting and annual Spring Commission meeting on May 23-24, in Page, Arizona. The Commission received a number of federal reports, and toured the Glen Canyon Dam facilities. The next UCRC meeting will be held in December, 2012 in Las Vegas, Nevada, in conjunction with the Colorado River Water Users Association Annual meeting. (*Ted Kowalski*)

**WORK ON THE COLORADO RIVER BASIN STUDY CONTINUES:** The Basin States and the Bureau of Reclamation (“BOR”) continue to make great progress on the Colorado River Basin Study. In June, the States and the BOR published quantified demands for each of the basin states under the various demand scenarios. A final report will be completed by the fall of this year. For more information visit: <http://www.usbr.gov/lc/region/programs/crbstudy.html> (*Ted Kowalski*)

## **~PLATTE RIVER BASIN~**

**SOUTH PLATTE DECISION SUPPORT SYSTEM (SPDSS):** A lot of activity has occurred within the South Platte since the last CWCB Board meeting in April. The issue of high groundwater levels within the South Platte River basin has been a major topic of discussion. The CWCB and DWR were proactive on this topic by initiating a study looking at the issue of high groundwater level in the Sterling area. The CWCB, through its Severance Tax grant program provide \$100,000 to the Division of Water Resource (DWR) in establishing a monitoring program. This included the installation of 16 piezometers (with continuous recorders) in the Country Club Hill and Pawnee subdivisions. Additionally, a pump test and a geologic characteristic survey were conducted. The intent is to try and get a better understanding on the potential causes of the high water groundwater levels reported.

Also under the Severance Tax grant program, \$50,000 will be used by Colorado State University (CSU) to review the South Platte Decision Support System (SPDSS) alluvial groundwater model. CSU will conduct an independent evaluation of the model capabilities, strengths and weaknesses.

Under SB12S-002, the CWCB Board was authorized to spend up to \$500,000 to update and perform model enhancements to the South Platte Decision Support System (SPDSS) alluvial groundwater model, perform a feasibility level groundwater analysis of areas experiencing high groundwater and install instrumentation and monitoring devices at area experiencing high groundwater levels. This work will be done in cooperation with DWR.

Finally, HB 12-1278 gives the Colorado Water Resource Institute (CWRI) authorization to conduct a comprehensive study to compile and evaluate available hydrologic data through water year 2011 within the South Platte basin, with a total funding of \$900,000 out of the CWCB Construction Fund. We are currently coordinating with CWRI to insure that there is a common path forward in order to maximize resources and eliminate duplication. (*Ray Alvarado*)

**PLATTE RIVER RECOVERY PROGRAM:** The Platte River Recovery Implementation Program (“Program”) held a Governance Committee meeting on June 12-13, 2012 in Cheyenne, WY. Agenda items for discussion included presentations on the 2012 State of the Platte and the



Platte Basin Time-Lapse Project, routine reports and updates, feedback from the Independent Scientific Advisory Committee (ISAC) regarding study of Platte River Caddisfly, and receipt of long-awaited U.S. Army Corp 404 permits. The primary decision items included approval of revisions to the Downstream Water Users charter, approval of the Shoemaker Island Flow-Sediment-Mechanical (FSM) Request for Proposal, acceptance of the Lower Platte River Stage Change Study Peer Review, and creation of a committee to conduct water action plan scoring. Other decision items included approval of various land acquisition transactions. Suzanne Sellers participated in J-2 Reregulating Reservoir negotiations and Water Advisory Committee, Land Advisory Committee and Finance Committee conference calls and meetings. The next Governance Committee meeting will be held on September 11-12, 2012 in Kearney, NE. For more information, please visit: <http://www.platteriverprogram.org/Pages/default.aspx>. (Suzanne Sellers)

**SOUTH PLATTE WORKING GROUP II:** CWCB is a part of the second phase of the South Platte Working Group focused on the south Metro area of Denver. The kick off meeting was held on June 28, 2012. Several Denver metro area communities and Arapahoe County are looking at habitat and recreation improvements below Chatfield Reservoir. In the first phase, the CWCB Board approved a \$1M project to construct a recreation trail on land owned and maintained by CWCB as a flood control project. The project constructed a one mile pedestrian trail on the east bank of the South Platte River, from Prince Street to the confluence with Big Dry Creek. In this next phase, CWCB and the Urban Drainage and Flood Control District (UDFCD) will be looking at another mile of pedestrian trail and redesign of the existing boat chutes between Oxford Avenue and Union Avenue. The goal is for this to be a modern design that will accommodate fish passage and concentrate river flows, for a better recreational experience during low flows. The project in the CWCB reach is anticipated to cost \$15M, and funding will be provided by local communities, Arapahoe County Open Space, GOCO grants, and UDFCD.

The four mile Chatfield Downstream Channel Improvement Project, located from Mineral Avenue to Hampden, is a federally sponsored flood control project turned over to the CWCB in 1990. The operational manual drafted for this project will not allow for vegetation in the channel. Drop structure redesign will be required, which will move this project into the “major project modification” category, which contains an additional set of regulatory requirements and approvals as compared to minor projects. (Joe Busto)

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

**RIVER PROTECTION WORKGROUP:** The River Protection Workgroup (RPW) Steering Committee held a regular meeting on May 29, 2012 and its next meeting is scheduled for July 24, 2012. Regular agenda items included workgroup updates and a budget update. A retreat to plan the regional discussion was held on June 19, 2012. The Steering Committee is beginning to plan the "Regional Discussion" which will take place after all five public workgroups are conducted for: Hermosa Creek; San Juan River - East and West Forks; Upper Animas River; Vallecito Creek/Pine River; and the Piedra River.

A drafting committee, which is subcommittee of the Hermosa Creek RPW, is coming very close to reaching consensus on the proposed wilderness/unroaded area/Special Management Area (SMA) legislation prior to it being introduced to Congress by Senator Bennet. The latest draft bill reflects a balance between conservation, economic development and other uses.

The RPW for the Animas River held a regular meeting on May 24, 2012 in Silverton, CO and an informational meeting on June 18, 2012 for downstream water users in Durango, CO. At its regular meeting, the workgroup discussed next steps and strategies including: a) continuing segment by segment discussions through the end of July; b) continuing to enforce the ground rules, c) starting towards the end of July, devising actual proposals for protections, and d) holding a detailed water rights discussion to get a better understanding of the natural hydrograph. The next meeting is scheduled for June 28, 2012 in Silverton, CO.

The RPW for the Piedra River held meetings on May 8, 2012 and June 19, 2012 in Pagosa Springs, CO and its next meeting is scheduled for July 17, 2012 at the same location. During these meetings, the work group continued to develop their segment by segment analysis and has begun to identify “threats” to the values previously identified. For more information, see the following link: <http://ocs.fortlewis.edu/riverprotection>. (Suzanne Sellers)

### ~AGENCY UPDATES~

**RECENTLY DECREED ISF WATER RIGHTS:** On May 30, 2012, the Division 5 Water Court decreed an instream flow water right to the CWCB on Little Green Creek in Case No. 11CW143 for 1.25 cfs (April 1 – July 31), 0.5 cfs (August 1 – October 31), and 0.3 cfs (November 1 – March 31) with an appropriation date of January 25, 2011. The upstream terminus is headwaters and the lower terminus is the confluence with Muddy Creek. This ISF reach is approximately 4.39 miles long and flows in a southeasterly direction through parts of Routt and Grand Counties. (Rob Viehl)

**STREAM AND LAKE PROTECTION SECTION DE MINIMIS CASES:** The following table summarizes the applications that have the potential to injure the Board’s instream flow water rights, but their impacts are considered de minimis. In each of these cases, the cumulative impact to the Board's rights is 1% or less. Pursuant to ISF Rule 8(e) (the de minimis rule), staff has not filed Statements of Opposition in these cases and has provided the required notification to the Division Engineer and applicants. (Rob Viehl)

Case No.	Applicant	Stream/ Case Number	ISF Amount	Percent Injury	Cumulative % Injury	Previous Cases
2-92CW084	V. Frank Mendicino	North Fork South Arkansas River/ 2-77W4659	10 cfs (summer) 10 cfs (winter)	0.0093 % 0.0045 %	0.0202 % 0.0078 %	5
5-12CW052	Rancho Del Rio, LLC	Colorado River/ 5-11CW159	500 cfs (summer) 500 cfs (winter)	0.00109 % 0.00001 %	0.00109 % 0.00001 %	0
5-12CW052	Rancho Del Rio, LLC	Colorado River/ 5-11CW160	525 cfs (summer) 525 cfs (winter)	0.00104 % 0.00001 %	0.00104 % 0.00001 %	0
5-12CW052	Rancho Del Rio, LLC	Colorado River/ 5-11CW161	650 cfs (summer) 650 cfs (winter)	0.00084 % 0.00001 %	0.00084 % 0.00001 %	0

7-12CW011	Patrick & Cynthia Joseph	Florida River/ 7-77W1763	7 cfs (summer) 14 cfs (winter)	0.0779 % 0.0045 %	0.9754 % 0.4542 %	24
7-12CW011	Patrick & Cynthia Joseph	Florida River/ 7-77W1764	12 cfs (summer) 20 cfs (winter)	0.0483 % 0.0032 %	0.2529 % 0.0776 %	11

**INSTREAM FLOW PROGRAM STAFF RETIREMENTS:** Colorado's Instream Flow Program currently is supported by 7 staff members within the CWCB and an Instream Flow Coordinator position with Colorado Parks and Wildlife (CPW). On July 31, 2012, two of these individuals are retiring.

Mark Uppendahl is retiring from the State of Colorado after 21 years and 11 months of dedicated service. Mark began his state career on September 1, 1990 as a Water Resource Specialist for the CWCB's Stream and Lake Protection Section. On August 2, 2004, Mark transferred to the Colorado Division of Wildlife as that agency's Instream Flow Coordinator. Mark has been instrumental in advancing the state's efforts to preserve and improve the natural environment through his work at both state agencies. He has literally processed and recommended hundreds of new ISF water rights during his career, and has assisted CWCB staff with legal protection of ISF water rights and with acquisitions of water rights for ISF use. His scientific expertise, creativity, dedication, and camaraderie will be sorely missed.

Owen Williams is retiring from the CWCB's Stream and Lake Protection Section after 5 years and 9 months of committed service. Prior to his employment with the CWCB, Owen worked for over 15 years as a hydrologist with the United States Forest Service and later as a Supervisory Hydrologist for the National Park Service Water Rights Branch in Fort Collins. After retiring from the federal government in 1996, Owen started his own consulting firm working on various projects related to river restoration, water yield analyses, hydrology and water rights. Owen joined the Stream and Lake Protection Staff as a hydrologist on November 6, 2006 and brought a wealth of knowledge and experience with him. Owen has been instrumental in helping to make staff's water availability analyses more rigorous and has been invaluable with regard to his knowledge regarding western water right issues. Owen's hydrologic expertise, extensive knowledge and humble attitude will truly be missed.

CPW and CWCB will be advertising to fill these vacancies in the coming months. Although Stream and Lake Protection Staff will continue to process new ISF recommendations, some additional prioritization of the recommendations may become necessary as a result of these staffing losses. (*Linda Bassi*)

**CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGP) UPDATE:** Over the last few years of research/projects along with evaluating this grant program, CWCB staff is identifying trends in conservation & drought planning and implementation. It is an on-going discussion as staff considers a guideline update for this grant program.

Four new grant applications have been received and are being considered and reviewed:

- **St. Charles Mesa Water District** – Meter Replacement

- **Recharge Colorado** – Water/Energy Nexus Workshops
- **City of Englewood** – Water Conservation Plan

Two grants have been approved since the last Board meeting:

- **City of Longmont** – Irrigation Audit, Toilet Rebate, Xeriscape Seminars & Pre Rinse Nozzle Conversion Program (\$27,825)
- **City of Evans** – Drought Management Planning Grant (\$44,026)
- **Tri County Water Conservancy District** – Commercial Audit Program (\$22,139)

Deliverables to the CWCB are as follows:

- **Pagosa Area Water & Sanitation District** – Drought Management Plan – *submitted 25% Progress Report*
- **City of Westminster** – Water Conservation Plan – *submitted 75% Progress Report (Ben Wade)*

**WATER CONSERVATION PLANS UPDATE:** The Office of Water Conservation & Drought Planning (OWCDP) continues to work with the following providers to approve their Water Conservation Plans:

#### Approved Plans

- **Little Thompson Water District** – CWCB Staff approved Little Thompson Water District's water conservation plan on May 21, 2012.

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

- **Pueblo West Metropolitan District**
- **City of Trinidad**
- **Eagle River Water & Sanitation District**

#### Plans in review

- **City of Arvada** – CWCB staff met with Arvada staff on February 27 to discuss the plan. Staff is providing technical assistance to Arvada on the revisions to their plan.
- **City of Louisville** – Resubmission of a preliminary November 2009 version of their Water Conservation Plan is pending. The City may seek outside help to complete the plan.
- **Meridian Metropolitan District** – CWCB staff reviewed revised sections of plan and is awaiting final submission.
- **Town of La Junta** – Final review of the Plan was completed by CWCB staff in April 2011 and additional comments were sent back to the Town in May 2011. Resubmission pending.
- **Donala Water & Sanitation District** – CWCB received the Plan on October 28, 2011. CWCB staff sent back comments to District on January 20. Staff met with Donala in March to review comments, entity resubmitted a draft and staff has reviewed and sent back additional comments.

- **South Adams County Water & Sanitation District** – CWCB received the Plan on November 3, 2011. CWCB staff reviewed the plan and sent comments to the District on January 30. Resubmission pending.
- **Town of Eaton** – CWCB received a locally adopted plan from the Town of Eaton on January 24. First review is completed and comments have been sent back to the entity.
- **Town of Estes Park** – CWCB received the plan on April 25. Plan is in review.  
(Kevin Reidy & Ben Wade)

**WATER CONSERVATION PLANNING OUTREACH:** Kevin Reidy met with a representative of Eco Action Partners, a sustainability non-profit based in Telluride, to discuss the possibility of creating a regional water conservation plan for the communities of Telluride, Mountain Village, Norwood, Ophir, Ridgway and Ouray. The meeting was very productive and some possible future directions were discussed in regard to the differences and similarities of each community. (Kevin Reidy)

**GOVERNOR'S WATER AVAILABILITY TASK FORCE:** The next Water Availability Task Force on July 20, 2012 from 9:30-11:30am at the Colorado Parks & Wildlife Headquarters, 6060 Broadway, Denver, CO in the Bighorn Room. Please check the website (<http://cwcb.state.co.us/public-information/flood-water-availability-task-forces/Pages/main.aspx>) for additional information. (Ben Wade)

**2012 CWCB STATEWIDE DROUGHT CONFERENCE: *Building a Drought Resilient Economy through Innovations in Preparedness & Planning*** **UPDATE:** Registration is open and the agenda is shaping up quickly. This conference promises to highlight the cutting edge efforts on drought preparedness in Colorado, including a look at 2012. (Veva Deheza & Taryn Hutchins-Cabibi)

**DROUGHT TOUR:** The Drought Task Force, Comprised of senior leadership from DOLA, DNR and Dept. of Agriculture has requested a tour of on the ground drought impacted areas on Colorado's western slope in the Yampa/ White and Colorado River basins. The tour will be held July 24<sup>th</sup> and will highlight both impacts and innovations to overcome them in the Agricultural, Environmental, Tourism/ Recreation and Municipal sectors. (Taryn Hutchins-Cabibi)

**WATER EFFICIENCY SAMPLE PLAN UPDATE:** CWCB staff is working with Aquacraft, Inc. to develop a Water Efficiency Sample Plan for covered entities that meets all statutory requirements. The sample plan will incorporate the revisions to the new Water Efficiency Plan Guidance Document and will be an example for entities to follow in order to create a more consistent planning approach. This will be the first component of a water conservation tool box being developed over the next few years. At the time of the creation of this director's report, the sample plan is not yet complete. Two drafts have been reviewed (by staff and the WCTAG) with the final draft plan to be completed by June 30, 2012. (Kevin Reidy)

**NATURAL HAZARDS CONFERENCE:** Taryn Hutchins-Cabibi will attend and speak at the Natural Hazards Center's 37<sup>th</sup> Annual Natural Hazards Research and Applications Workshop July 14-July 17 in Broomfield, Colorado. Taryn is one of five panelists who will be discussing State & Local Drought Emergency Management. (Taryn Hutchins-Cabibi)

**WATER CONSERVATION TECHNICAL ADVISORY GROUP UPDATE:** The WCTAG met on May 23, 2012 to discuss past work by Chris Goemans, Professor of Economics at Colorado State University and with Recharge Colorado to hear about their new informational platform for utilities. Chris Goemans' work comprised a feasibility study to assess how much data and information local water providers had access to in order to conduct permanency and penetration work on water conservation savings. Recharge Colorado presented their information platform that would help local water providers analyze their customer demands and prioritize and track water conservation programs in the future. (*Veva Deheza & Kevin Reidy*)

**CWCB STAFF UPDATE:** Steve Wolff, who worked for the CWCB from January of 2007 through June of 2012, has resigned from his position as the Board Coordinator. During his employment at the CWCB, Steve served in various positions including the front desk, Office Coordinator, and Board Coordinator. Steve is moving to the east coast and is pursuing a career in the private sector. We wish him well in all of his future endeavors! (*Tina Heltzel*)

**LOAN REPAYMENT DELINQUENCY:** Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2011 through June 2012. 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 Fiscal Year 2012 totaled 282. There were three loan payments not received on time during this period. The loan payment from Fuchs Ranches, Inc. was less than 30 days late. The loan payment from the Headgate 396 Lateral Corporation was less than 60 days late. The loan payment due in June 2012 for the Wood Lake Mutual Water and Irrigation Company has not been received to date. Thus, the on-time performance for the total repayments due was 99% in compliance or 1% not in compliance.

As additional notes: (1) Rodney Preisser has not met his obligations since Fiscal Year 2007 and has filed Bankruptcy; (2) the Town of Starkville has not met its obligations since Fiscal Year 2006, however, a partial payment was received in March 2011 and in June 2012; and (3) the Pinon Mesa Ranches Community Association's loan is in default and has been approved by the State Controller and State Treasurer for CWCB to write-off the remaining balance which has been done. (*Steve Biondo*)

**LOANS PAID OFF:** During Fiscal Year 2012, there were nine loans repaid in full to the Construction Fund and three loans repaid in full to the Severance Tax Trust Fund Perpetual Base Account, detailed as follows:

<b>Borrower</b>	<b>Contract No.</b>	<b>Original Loan Amount</b>
Conejos Water Conservancy District	C153609	\$440,000
Coon Creek Reservoir & Ditch Company	C153568	\$55,000
Henrylyn Irrigation District	C153357	\$260,000
Lower South Platte Water Conservancy District	C150067	\$56,787
Ute Water Conservancy District	C153329	\$1,000,000
Ute Water Conservancy District	C153380	\$7,987,500
Ute Water Conservancy District	C153670A	\$400,000
Ute Water Conservancy District	C153670B	\$10,137,500
Winter Park Water and Sanitation District	C153316	\$900,000
Tom C. Hill	C150233	\$820,729
Parker Water and Sanitation District	C150090	\$15,000,000
Ute Water Conservancy District	C150026	\$17,000,000

**LOAN FINANCIAL ACTIVITY:** Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2012 is detailed on the following attachment. Funds received relative to loans in repayment totaled \$62.2 M for this period. Funds disbursed relative to new project loans totaled \$22.0 M for this period. Net activity resulted in \$40.2 M received by the CWCB Construction Fund and the Severance Tax Trust Fund Perpetual Base Account (STTFPBA) over the total disbursed.

Further breakdown is summarized as follows: The Construction Fund portion consists of \$24.0 M in receivables and \$5.4 M in disbursements for a total net activity of \$18.6 M received over disbursed. The STTFPBA consists of \$38.2 M in receivables and \$16.6 M in disbursements for a total net activity of \$21.6 M received over disbursed. (*Steve Biondo*)



**~ATTACHMENTS~**

- **01 Finance Section – Current Prequalified Project List and Loan Prospect Summary**
- **02 Finance Section – Design & Construction Status Report**
- **03 Financial Activity Report**
- **04 Instream Flow and Natural Lake Level Program - Summary of Resolved Opposition Cases**
- **05 WSRA Completed Projects**
- **06 WSRA Pending Projects**
- **07 WSRA Projects In Progress**

# STATE OF COLORADO

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## Colorado Water Conservation Board

### Department of Natural Resources

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John W. Hickenlooper  
Governor

Mike King  
DNR Executive Director

Jennifer L. Gimbel  
CWCB Director

TO: Colorado Water Conservation Board Members

FROM: Anna Mauss, P.E.  
Finance Section

DATE: July 6, 2012

SUBJECT: **Directors Report, July 17 - 18, 2012 Board Meeting**  
**Finance Section – Current Prequalified Project List and Loan Prospect Summary**

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

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

## Prequalified Project List

BORROWER	PROJECT NAME	APPLICATION DATE	BASIN	PROJECT DESCRIPTION	PROJECT COST	LOAN AMOUNT
<b>Previously Approved Applications</b>						
Twenty Two Road Lateral Company	Ditch Replacement	September 1, 2011	Colorado	The Twenty Two Road Lateral Company is planning on replacing its aging concrete lined ditch with a buried pipeline. It expects to get additional funding through the NRCS Salinity Control Program.	\$500,000	\$500,000
Rio Grande Canal Water Users Association	Hydroelectric Project	September 1, 2011	Rio Grande	The Association is planning on developing a low head hydropower facility at its existing diversion dam on the Rio Grande River.	\$600,000	\$300,000
Eckhardt Farms Inc.	Water Rights Purchase	September 1, 2011	South Platte	Eckhardt Farms intends to purchase water from two ditch companies so that it can continue to farm. The farm land is in an area where wells have been shut off and the ditch rights will help ensure the continuation of agricultural production.	\$1,500,000	\$1,350,000
Missouri Heights Mountain Meadows Irrigation Company	Ditch Lining Project	July 1, 2011	Colorado	This project involves lining one mile of ditch to prevent seepage losses.	\$450,000	\$405,000
Catamount Metropolitan District	Catamount Hydroelectric Project	March 1, 2012	Yampa/White	The District intends to add a 695kW hydroelectric facility to the existing Lake Catamount Dam.	\$4,600,000	\$4,140,000
Totals					\$7,650,000	\$6,695,000

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/or a loan feasibility study.

## LOAN PROSPECTS

Basin	Last Contact	BORROWER	PROJECT NAME	PROJECT COST	LOAN AMOUNT
South Platte					
		B.H. Eaton Ditch Co (Windsor)	Pipeline & Diversion Structure	\$1,000,000	\$1,000,000
		Louden Irrigation & Reservoir Co	Ditch Improvements	\$500,000	\$500,000
		Greeley –Loveland Irrigation Co.	Augmentation Structure		\$500,000
		No Poudre Irrigation Co	Pump Station		\$5,000,000
		Town of Byers	Well & Pipeline		\$700,000
		Town of Johnstown	Kauffman Reservoir Purchase		\$5,000,000
	Apr-11	Boulder Left Hand Irrigation. Co	Ditch Piping (2012)		\$300,000
	June - 12	Bergen Ditch Company	Dam Rehabilitation		\$2,000,000
	Jan-11	East Larimer County Water District	Rigdon Storage Project		\$3,000,000
	Oct-11	NISP Participants	NISP		\$30,000,000
	Oct-11	Chatfield Reallocation Participants	Chatfield Reallocation Participants		\$40,000,000
	Dec-11	Pinehurst Country Club	Harriman Reservoir	\$5,000,000	\$500,000
	Feb-12	McKay Lateral	Ditch Lining Project		\$50,000
				<b>TOTAL</b>	<b>\$88,550,000</b>
Arkansas					
	Jan-11	Upper Arkansas WCD	Trout Creek Reservoir	\$3,000,000	\$3,000,000
		Cherokee Metro District	Wells and Pipelines	\$800,000	\$800,000
	Sep-11	Ditch and Reservoir company	Big Johnson Reservoir		\$8,000,000
	Aug-12	Town of Ordway	Reservoir Rehab		\$2,000,000
	Oct-11	Lower Arkansas Water Mgmt Association	Water Rights Purchase		\$7,500,000
	Oct-12	Highline Canal Company	Water Rights Purchase	\$4,500,000	\$4,100,000
	Feb-12	Colorado City Metro District –	Beckwith Dam Repair		\$500,000
	Jan-12	Catlin Canal Company	Mt. Pisgah Dam Repair	\$300,000	\$150,000
				<b>TOTAL</b>	<b>\$26,050,000</b>

<b>San Miguel/Juan</b>					
		Farmers Water Development Co	Gurley Reservoir Enlargement	\$5,000,000	\$5,000,000
	Feb-11	City of Ouray	Red Mountain Ditch Rehabilitation	\$200,000	\$200,000
				<b>TOTAL</b>	<b>\$5,200,000</b>
<b>Colorado</b>					
		Lateral MC070 Inc.	NRCS Ditch Rehabilitation	\$200,000	\$140,000
		Highland Ditch Co	Ditch Rehabilitation Project	\$200,000	\$200,000
	Feb-12	Leon Park Reservoir Company	Dam Rehabilitation		\$35,000
		Ian Carney - Felix Tornare	Polaris Reservoir Rehabilitation	\$500,000	\$500,000
				<b>TOTAL</b>	<b>\$875,000</b>
<b>Gunnison</b>					
	Jul-11	Fire Mountain Canal & Reservoir Co.	New Reservoir		\$500,000
	Oct-11	Hinsdale County/Lake City	Lake San Cristobal Dam/Spillway		\$500,000
				<b>TOTAL</b>	<b>\$1,000,000</b>
<b>Rio Grande</b>					
	Mar-12	Fuchs Reservoir Company	Reservoir Rehabilitation		\$100,000
				<b>TOTAL</b>	<b>\$100,000</b>
<b>Yampa</b>					
				<b>TOTAL</b>	<b>\$0</b>

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

**Recent inquiries:**

Central Colorado Water Conservancy District – Augmentation Project

Colorado Springs Flycasting Club – Reservoir Rehabilitation

Sanchez Ditch and Reservoir Company – Reservoir Rehabilitation

Town of Ridgway – Reservoir Rehabilitation

San Luis Valley Water Conservancy District – Water Rights Purchase

North Sterling Irrigation District – Reservoir Rehabilitation

Rock Creek Water District – Reservoir Rehabilitation

Foothills Park & Recreation – Reservoir Expansion

Rio Grande Water Conservation District – Water Rights Purchase

Northern Colorado Water Conservancy District – Hydroelectric Project

# STATE OF COLORADO

## Colorado Water Conservation Board Department of Natural Resources

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TO: Colorado Water Conservation Board Members

John W. Hickenlooper  
Governor

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

Mike King  
DNR Executive Director

DATE: June 29, 2012

Jennifer L. Gimbel  
CWCB Director

SUBJECT: **Directors Report – July 17/18, 2012 Board Meeting**  
**Finance Section – Design & Construction Status Report**

The CWCB Loan Program has Substantially Completed 10 projects in FY 2011/12 as shown in Table 1. There are currently 49 projects authorized to receive loan funding totaling \$233 million. There are 40 projects currently under contract and in the Design and Construction phase totaling \$154 million.

The attached spreadsheet and report summarizes the current project status, including loan amount, construction schedule, and progress to-date.

**TABLE 1**

	<b>Borrower</b>	<b>Project</b>	<b>County</b>	<b>Loan</b>	<b>Completed</b>
1	WRCC, Inc.	Cobb Lake Inlet Rehab	Larimer	\$1,352,592	7/1/11
2	Grand River Ditch Co	Ditch Piping	Garfield	\$543,380	7/1/11
3	Bull Creek Reservoir Co	#4 Reservoir Rehab	Mesa	\$1,801,630	9/1/11(a)
4	Boulder White Rock Ditch Res Co	Panama Res Outlet Rehab	Boulder/Weld	\$2,864,164	11/1/11(b)
5	Lower Poudre Augmentation Co	Harmony 25 Reservoir	Larimer	\$3,104,053	11/1/11(c)
6	Louden Irrigation Canal & Res. Co.	Rist Benson Res. Rehab.	Larimer	\$663,610	4/1/12(d)
7	Farmers Pawnee Canal Co	Ditch Flow Control Struct	Logan	\$255,530	6/1/12
8	Seven Lakes Res Co	Railroad Crossing	Weld	\$772,842	6/1/12
9	Duel & Snyder Improvement Co	Diversion Structure Rehab	Morgan	\$109,053	6/1/12
10	Last Chance Ditch Co	Ditch Headworks Replacement	Weld	\$185,436	6/1/12
		Total		\$11,652,290	

Fiscal year 2011/12 has added or preserved 3,500AF of reservoir storage [(a) 900AF, (b) 2,600AF, (c) 670AF, (d) 150AF]

Colorado Water Conservation Board  
Water Project Loan Program

June 29, 2012

Project Design and Construction Status Report

Applicant/Borrower		Project	County	Loan		Size	Annual Delivery (AF)	Storage Change (AF)	Design Status	Construction		Status	PM
Current Projects in Design or under Construction				Amount			(AF)	(AF)		Start	End		
1	Manco C&D La Poudre Irrigation Company	Construct 2 New Reservoirs and Pipeline Inlet and Outlet Canal Rehabilitation	Weld	\$ 7,200,000.00		4,500 AF	4,500	4,500	100%	Jun-05	Jan-14	99%	KR
2	Mancos Water Conservancy District	Reservoir Rehabilitation	Montezuma	\$ 5,486,531.00		15,840 LF	9,000	200	75%	Jan-04	Jan-14	99%	KR
3	Upper Arkansas Water Conservancy District	Well Augmentation Project	Chaffee/Custer	\$ 3,520,000.00		500 AF	500		100%	Jun-05	Jan-13	90%	KR
4	Union Ditch Company	Overland Reservoir Rehabilitation	Weld	\$ 312,595.00		206 AF	206		50%	Sep-06	Jan-13	80%	KR
5	Overland Ditch and Reservoir Company	May Lateral Pipeline	Delta	\$ 1,130,000.00		6,200 AF	17,000	971	100%	Permitting		0%	KR
6	Montezuma Valley Irrigation Company	Equalizer Reservoir Project	Montezuma	\$ 5,292,400.00		5.7miles	128,000		100%	Nov-07	Jul-12	99%	KR
7	Plate Valley Irrigation Company	Greeley Canal No. 3 Rehabilitation	Weld	\$ 2,388,650.00		431 AF	52,401	431	100%	Feb-08	Jul-12	5%	KR
8	Greeley Irrigation Company	Horse Creek & Prospect Reservoir Rehabilitation	Weld	\$ 2,233,867.00		18,000 AF	18,000		90%	Nov-08	Jul-12	90%	KR
9	Henrylyn Irrigation District	Ditch Rehabilitation	Chaffee	\$ 2,184,327.00		13,850 AF	13,850	3,000	100%	Nov-08	Jul-12	95%	RE
10	New Salida Ditch Company	Compact Compliance Pipeline	NE: Colo	\$ 365,620.00		300 L.F.	7,000		100%	Oct-09	Jul-12	90%	KR
11	Republican River Water Conservation District	Well Augmentation	Weld	\$ 60,600,000.00		15,000 AF	15,000		100%	Aug-11	Jul-13	90%	KR
12	Ogilvy Augmentation Company	Zeigler Reservoir Water Management System	Pitkin	\$ 1,010,808.00		60 AF	60		100%	Dec-08	Jul-12	95%	KR
13	Snowmass Water and Sanitation District	Milton Reservoir and Barr Lake Improvement Proj.	Adams/Weld	\$ 1,952,805.00		1,800 AF	1,800		100%	Feb-10	Feb-12	99%	KR
14	Farmers Reservoir and Irrigation Company	LEDE Ditch and Reservoir Rehabilitation	Weld	\$ 3,535,000.00		64,900 AF	125,000		100%	Oct-09	Jun-13	99%	KR
15	Lower Latham Reservoir Company	Old Dillon Reservoir Enlargement	Eagle	\$ 2,689,731.00		685 AF	5,705	254	60%	Nov-09	Jan-13	85%	KR
16	Town of Gypsum	South Gray Reservoir Rehabilitation/Gray No. 3	Summit	\$ 1,515,000.00		286 AF	321	140	100%	Sep-10	Jan-14	90%	KR
17	Town of Dillon	Augmentation Water Rights Acquisition	Larimer	\$ 393,900.00		1,120 AF	1,120	165	100%	Sep-10	Jun-12	99%	KR
18	Lake Canal Reservoir Company	Pipeline Project - Augmentation Retiming	Rio Grande	\$ 1,693,770.00		321 AF	1,212		n/a	Oct-10	Jul-12	50%	KR
19	City of Monte Vista	Bowls No. 1 Dam Rehabilitation	Morgan	\$ 1,494,800.00		15,840 L.F.	37,058		100%	Sep-10	Sep-10	99%	KR
20	Fort Morgan Reservoir and Irrigation Company	Dry Gulch Reservoir Land Acquisition	Jefferson	\$ 1,703,870.00		2,062 AF	900		100%	Aug-10	Dec-12	90%	KR
21	Joseph W. Bowles Reservoir Company	Knoth Reservoir Dam Rehabilitation	Archuleta	\$ 11,217,060.00		35,000 AF	35,000	35,000	n/a	Nov-08	Mar-20	85%	KR
22	Pagosa Area Water and Sanitation District	Owl Creek Reservoir Rehabilitation	Boulder	\$ 1,515,000.00		4,800 AF	4,800	400	95%	Jan-10	On-Hold	0%	AM
23	Supply Irrigating Ditch Company	Water Rights Purchase and Pipeline Installation	Weld	\$ 1,125,000.00		1200 AF	1,200		99%	Jul-10	On-Hold	0%	TF
24	Owl Creek Reservoir Company	System Rehabilitation Project	Fremont	\$ 8,844,570.00		30,624 LF	339	1,200	65%	Oct-10	Jan-14	20%	KR
25	Perrone Water District	Riverstide Reservoir Spillway Enlargement	Adams/Jefferson	\$ 1,410,768.00		31 Miles	24,000		85%	Feb-11	Feb-14	10%	RE
26	Farmers' High Line Canal and Reservoir Company	Ditch System Rehabilitation	Weld	\$ 2,838,100.00		64,000 AF	105,000		80%	Sep-10	Dec-13	0%	AM
27	Riverstide Reservoir and Land Company	Zeigler Reservoir Expansion Project	Chaffee	\$ 186,345.00		3,250 LF	3,260		85%	Jul-10	Dec-12	80%	KR
28	Riverstide Ditch and Allen Extension Company	Lambert Ranch Water Rights Purchase	Pitkin	\$ 2,873,804.00		240 AF	1,850	240	100%	Oct-11	Jan-14	99%	KR
29	Snowmass Water and Sanitation District	Ditch Infrastructure Project	Douglas	\$ 318,150.00		896 AF	55		100%	Oct-11	Jan-14	0%	RE
30	Thunderbird W&S Dist	Canterbury Tunnel Repair	Denver	\$ 454,500		7,623 AF	7,623		95%	Sep-12	Dec-13	0%	RE
31	Fisher Ditch Company	Lower Lone Pine Lake Enlargement Project	Lake	\$ 1,838,200.00		250 LF	1,086		100%	Jan-12	Jan-14	5%	KR
32	Parkville Water District	Orlando Reservoir Rehabilitation	Larimer	\$ 2,363,400		100 AF	10	100	80%	Apr-12	Apr-13	0%	RE
33	Crystal Lakes Water and Sewer Association	Headgate Check Structure Rehab Project	Boulder/Larimer	\$ 272,700		109 AF	6		100%	Jan-12	Aug-13	25%	RE
34	Big Elk Meadows Association	NDIC Tunnel Repair Project	Huerfano/Pueblo	\$ 1,184,882		2400AF	6,800		90%	Jan-12	Jul-14	75%	AM
35	Two Rivers Water Company	La Veta Dam Rehabilitation	Clear Creek	\$ 2,976,975		208 AF	208		50%	Jan-12	Jul-14	0%	AM
36	Town of Georgetown	Spillway Replacement Project	Larimer	\$ 81,810		5,500 AF	5,500		100%	Jan-12	Aug-12	99%	RE
37	Jackson Ditch Company		Delta	\$ 808,000		1,500LF	17,735		100%	Jan-12	Aug-12	90%	RE
38	North Delta Irrigation Company		Huerfano	\$ 372,690		86 AF	209	17	90%	Oct-12	Oct-13	0%	AM
39	La Veta, Town of		Conejos	\$ 2,724,721		2,000AF	15,340	2,000	100%	Jul-12	Jul-13	0%	KR
40	Terrace Irrigation Co			\$ 153,921,922			669,854	48,618					KR
Projects Not Under Contract													
a	Southeastern CO Water Conserv. District	Arkansas Valley Conduit	Crowley	\$ 60,600,000		138 Miles	6,555			In Contracting			KR
b	South Metro Water Supply Authority	Raw Water Delivery - Capacity Purchase	Adams/Denver	\$ 5,090,400		10,750 AF	10,750			In Contracting			KR
c	Lake Durango Water Authority	North Gray Reservoir Rehab Project	Laplatia	\$ 2,525,000		309 AF	309			In Contracting			KR
d	Lake Canal Reservoir Company	Ridgway Reservoir Micro Hydro Project	Larimer/Weld	\$ 116,625.00		75 AF	333	75		In Contracting			AM
e	Tri-county Water Conservancy District	Dedicated Fill Pipe	Ouray/Mont/Delta	\$ 9,090,000		7 MW	35,000			In Contracting			KR
f	Paradise Acres Homeowners Association	Lone Pine & May Pipeline Improvements	Huerfano	\$ 62,721		3700 LF	5			Will be Deauthorized			AM
g	Montezuma Valley Irrigation Company	North Lake Dam Rehabilitation	Montezuma	\$ 339,600		\$340K	136,000			In Contracting (Grant)			AM
h	City of Trinidad	Ditch Diversion and Headgate Replacement	Las Animas	\$ 746,627		650AF	2,800	650		In Contracting			AM
i	McDonald Ditch Company		Rio Grande	\$ 70,700		5,018AF	5,018			In Contracting			RE
			SubTotal =	\$ 78,641,673			196,770	725					
Grand Total =				\$ 232,563,595			866,624	49,343					

Reservoir construction projects involving storage: new, enlargement, dredging or removal of a SEO restriction =



## Design & Construction Status Report

### PROJECTS SUBSTANTIALLY COMPLETED IN FY 2011/12

#### 1. WRCC, Inc. – Cobb Lake Inlet Structure Rehabilitation

Authorization: Construction Fund	County: Larimer/Weld
Water Source: Cach La Poudre	Project Yield: 35,000 AF
Terms of Loan: \$1,352,592@ 2.85% for 30 yr.	Project Type: Reservoir Rehabilitation

WRCC, Inc. owns and operates six storage reservoirs in Larimer and Weld Counties including Cobb Lake. The inlet ditch to the Reservoir has been badly eroded over time and vertical degradation has resulted in very steep ditch side slopes that are a safety concern. The inlet structures were built in the early 1900s and have been patched over the years; however, they are to the point where they could be subject to sudden catastrophic failure. If the inlet failed, the Reservoir could not be filled. The project reconstructed the inlet structure/ditch to address both the safety and possible failure issues. Construction was completed November 2010 however additional cosmetic work was completed in the spring of 2011 with a loan contract increase in January 2011. The project was Substantially Completed on July 1, 2011.

#### 2. Grand River Ditch Company – Grand River Ditch Pipeline

Authorization: Construction Fund	County: Garfield
Water Source: Colorado River	Project Yield: 14,500 AF
Terms of Loan: \$543,380@4.20% for 30 yrs.	Project Type: Ditch Rehabilitation

The Grand River Ditch Company operates the Grand River Ditch by providing direct flow irrigation water from the Colorado River. The ditch is 14 miles long and runs on the north side of the river from three miles west of New Castle to about a mile east of Rifle. In the spring of 2010, a retaining wall that protects the ditch from the river collapsed. The Company plans to repair the ditch by piping the damaged section, and by installing riprap and rock jetties in the river. Construction was completed in December 2010. NRCS has provided design engineering services for the Project. The Company has been approved for a \$100,000 grant from the USDA Farm Service Agency Emergency Conservation Program for this Project along with a \$20,000 WSRA Basin Grant. CWCB loan funding will allow for an initial loan for 100% of construction costs which will be reduced by the grant dollars received. The Company received a Colorado River District grant for \$85K. The balance of the principal will become a 30-year CWCB Loan. Construction commenced in Sept. 2010 and was completed by Nov. 2011. The project was Substantially Completed on July 1, 2011.

#### 3. Bull Creek Reservoir Canal and Power Company – Reservoir Rehabilitation

Authorization: Severance Tax Fund	County: Mesa
Water Source: Colorado River	Project Yield: 900 acre-feet
Terms of Loan: \$1,801,630@ 2.5% for 30 yrs.	Project Type: Reservoir Rehabilitation

The Company is located in Mesa, Colorado, and has a service area of approximately 800 acres. The Company operates the Bull Creek Reservoirs for irrigation water. The Project is a repair to remove the current restriction on Reservoir #4 and provide additional storage necessary to store the Company's decreed rights. The Company has a Stipulation and Agreement with the SEO that requires the Company to repair Reservoir No. 4 in order to avoid abandonment of a portion of the senior water rights. The

Project is located on the US Forest Service property and will require a Special Use Permit for access roadway work and dam construction. The reservoir is remote and located at 10,000 feet elevation. The project was approved by the Board in 2006, but has been re-scoped to address SEO concerns and higher than previously anticipated construction costs. The Company received SEO approval in August of 2008. The contractor, Geer-up-Construction, completed the outlet works, seepage control, and 75% of the dam embankment reconstruction. Work was suspended in October of 2008 due to weather. The contractor negotiated a new contract with the Company to finish the remaining work in the summer of 2009. The Company elected to release the original engineering firm and hired Vista Engineer, Grand Junction, Colorado to finish the project. Geer-up-Construction mobilized in July of 2009 and was failed to complete the project by winter. The remaining items (spillway cutoff wall and rip rap, minor rip rap placement along the upper dam face, monitoring devices, final grading of the dam crest, re-vegetation, and cleanup) were completed in the summer of 2010 by Sorter Construction. The project construction is now 100% complete. The Company received approval of additional funding from CWCB in November 2010. The Company negotiated a lien settlement with Geer-up Const./S4 Corp. in April 2011. The Company plans to begin marketing a portion of its water rights in order to comply with the amended loan contract requirement. In the event a sale is not feasible, the Company may ask the CWCB to reconsider the contract clause requiring the sale of water and the assessment limit. Construction commenced in Aug. 2008 and was completed by Nov. 2010. The project was Substantially Completed on September 1, 2011.

#### **4. Boulder White Rock Ditch and Reservoir Company – Reservoir Rehabilitation**

Authorization: Severance Tax Fund

Water Source: South Platte River

Terms of Loan: \$2,864,164@3.45% for 30 yrs.

County: Boulder/Weld

Project Yield: 12,000 acre-feet

Project Type: Reservoir Rehabilitation

The Boulder White Rock Ditch and Reservoir Company delivers irrigation water to land in Boulder and Weld Counties. It diverts water from Boulder Creek in downtown Boulder through the Boulder White Rock Ditch and stores water in two of its facilities: Six Mile Reservoir and Panama Reservoir. Due to recent operational changes, the Company no longer exchanges water with nearby ditches and needs to improve the flexibility in its own system to meet its shareholder's needs. The Project includes a reservoir pump station at the Panama Reservoir outlet in order to use water stored in the reservoir that it was unable to access by a gravity outlet. The Company was approved for a loan increase in the amount of \$434,000. The construction was completed in 2010 and Substantial Completion was November 1, 2011.

#### **5. Lower Poudre Augmentation Company – Reservoir and Water Rights Purchase**

Authorization: Severance Tax Fund

Water Source: South Platte

Terms of Loan: \$3,104,053@2.50% for 30 yrs.

County: Larimer/Weld

Project Yield: 657 acre-feet

Project Type: Reservoir & Water Rights

The Lower Poudre Augmentation Company (LPAC) is a non-profit company that was incorporated in 2004, by the New Cache La Poudre Irrigating Company (2/3 interest) and the Cache La Poudre Reservoir Company (1/3 interest). There are 88 wells owned by 35 individuals/entities and the augmentation demands are approximately 3200 AF. The LPAC has filed for a permanent Augmentation Plan, and has operated on a Substitute Water Supply Plan for 3-4 years. LPAC proposes to purchase the Timnath Flatiron Reservoir, and 4.5 shares of Boxelder Ditch, and construct the necessary improvements to utilize the reservoir for augmentation purposes. The reservoir currently has a storage capacity of approximately 657 AF, with a depth of 12-15 feet. The reservoir area was mined for sand and gravel and lined with clay once mining was complete. The reservoir has received SEO certification as a lined gravel pit storage facility. Construction of the reservoir is complete. Substantial completion was November 1, 2011.

**6. Louden Irrigating Canal and Reservoir Company – Rist Benson Reservoir Rehabilitation**

Authorization: Severance Tax Fund  
Water Source: Big Thompson River  
Terms of Loan: \$263,610@3.5% for 30 yrs.

County: Larimer  
Project Yield: 150 acre-feet  
Project Type: Reservoir Rehabilitation

The Company owns and operates the Rist Benson Reservoir, which is on the west side of Loveland, Colorado. Since 2005, the Reservoir has been restricted to a gauge height of 10.0 feet due to seepage problems along the dam. The Borrower has repaired two sections of the embankment in previous years. This Project is the third phase of repairs and once completed will increase storage by 150 AF allowing for full storage of 491 AF. The rehabilitation involves excavating and re-compacting sections of the embankment, installation of a toe drain, and installing riprap on the upstream face of the dam. Construction was completed in June 2011. SEO acceptance letter was received and Substantial completion was April 1, 2012.

**7. Farmers Pawnee Canal Company – Ditch Flow Control Structures**

Authorization: Severance Tax Fund  
Water Source: South Platte River  
Terms of Loan: \$255,530@2.5% for 30 yrs.

County: Logan  
Project Yield: 27,260 acre-feet  
Project Type: Diversion Rehabilitation

The Farmers Pawnee Canal Company (Company) provides irrigation water to approximately 10,000 acres of land between Merino and Sterling, Colorado. It uses two separate structures to control flow in the Pawnee Ditch (Ditch). The first is a main diversion at the South Platte River. The second is a few miles down the Ditch and is used to adjust flow. The main diversion is a concrete rollover wall with vents to allow flushing of sand when opened. The secondary structure is currently controlled through the use of board style gates. Both structures are labor intensive and require monthly maintenance. To help with efficiency, the Company plans on replacing a portion of the main diversion with a new 12-foot radial gate. It also plans on replacing the board gates at the secondary structure with four 8-foot wide radial gates. Ransome Boone Excavating, Fort Morgan, Colorado has completed the ditch control structure. The Company recently completed improvements to their diversion structure and was approved for a loan contract increase in March 2011 to automate the new gate. Work was completed in late 2011 and Substantial Completion was June 1, 2012.

**8. Seven Lakes Reservoir Company – Reservoir Rehabilitation**

Authorization: Severance Tax Fund  
Water Source: South Platte  
Terms of Loan: \$772,842@ 2.95% for 30 yrs.

County: Weld and Larimer  
Project Yield: 7,796 acre-feet  
Project Type: Reservoir Rehabilitation

The Seven Lakes Reservoir Company (SLRC) and its sister company Greeley and Loveland Irrigation Company (GLIC), own and operate an extensive system of reservoirs and canals in the Loveland and Greeley area. GLIC owns 4 reservoirs (including Lake Loveland and Boyd Lake) and SLRC owns 5 reservoirs (including Horseshoe Lake, immediately adjacent to Boyd Lake.). SLRC uses GLIC's Big Barnes Ditch to fill Horseshoe Reservoir. Water is carried in the Big Barnes Ditch and discharges into Lake Loveland at a decreed rate of 1000 cfs. SLRC desired to remove and replace an existing deteriorated 5-tunnel railroad crossing structure with a new bridge in order to safely move 1,000 cfs from the Big Thompson River through Lake Loveland to Horseshoe Reservoir, thus removing a serious bottleneck in

the flow path of water. The Project's design originally included a new pre-fabricated railroad bridge; however, due to complications with BNSF Railroad requirements the Company elected to bore under the railroad tracks. Work was completed by BT Construction in May 2012 and Substantial Completion was June 1, 2012.

#### **9. Deuel and Snyder Improvement Company – Diversion Structure Rehabilitation**

Authorization: Severance Tax Fund

Water Source: South Platte

Terms of Loan: \$109,053 @2.50% for 30 yrs.

County: Morgan

Project Yield: 4,950 acre-feet

Project Type: Diversion Rehabilitation

The Deuel and Snyder Improvement Company provides irrigation water to a 1,650 acre service area located in Morgan County. The Company operates a sand gate located on a South Platte River diversion structure. The sand gate is a vent section through the concrete rollover wall which is boarded up when the Company needs to divert water. Boards must be removed during the winter to allow excess sand (which builds up in front of the Company's diversion point) to wash down river. Currently, in order to remove boards and open the gate, a Company employee must walk several yards along the crest of the rollover wall to reach the sand gate. The Company elected to replace the existing board gates with a new radial gate. However, after further evaluation from the contractor and engineer it was determined that the foundation of the entire diversion structure has been compromised over time due to long term erosion. Work was completed by Ransom Boone in February 2012.

#### **10. Last Chance Ditch Company – Ditch Headworks Replacement**

Authorization: Construction Fund

Water Source: St. Vrain Creek

Terms of Loan: \$185,436 @4.65% for 30 yrs.

County: Weld

Project Yield: 9,257 AF

Project Type: Ditch Rehabilitation

The Last Chance Ditch Company utilizes the Last Chance Ditch to supply water to its 14 shareholders for irrigation and gravel company operations. The existing headworks of the ditch consisted of a wooden structure with dual gates that had been in place since the early 1900's. The headgate has been rehabilitated numerous times over the years and the annual maintenance and reliability was a growing concern. The Project included the replacement of the existing headworks with a reinforced concrete structure with dual headgates and an overshot gate. Work was completed by Concrete Structures, Inc. in May 2012 and Substantial Completion was June 1, 2012

## PROJECTS UNDER CONTRACT and CURRENTLY UNDER DESIGN/CONSTRUCTION

## 1. New Cache La Poudre Irrigation Company – Reservoir Construction

Authorization: Construction Fund	County: Weld
Water Source: South Platte	Project Yield: 4,500 acre-feet
Terms of Loan: \$7,200,000 @ 2.50% for 30-years	Project Type: New Reservoir

The Company provides irrigation water to a 35,000-acre service area. This project will provide water storage to equalize ditch flows and improve efficiency and the reliability of the irrigation system, and to meet future demands. The project involves the construction of three reservoirs near Barnesville, totaling 4,500 acre-feet of storage. Additionally, 8,200 feet of pipeline will be installed. The Barnesville Reservoir project was awarded to Barker Construction, Fort Collins, Colorado and has been completed and received final SEO approval. The Company received approval of a loan increase in Sept. 2007. The project will remain open until the land purchased to construct Cornish Reservoir is paid off in 2021.

## 2. Mancos Water Conservancy District - Canal Rehabilitation

Authorization: Severance Tax Perpetual Account	County: Montezuma
Water Source: West Mancos River	Project Yield: 9,000 acre-feet
Terms of Loan: \$5,486,531 @2.80% for 30-years	Project Type: Canal Rehabilitation

The Mancos Water Conservancy District supplies irrigation and municipal water within a 13,496 acre service area. The District's carriage facility is over 50-years old and the U.S. Bureau of Reclamation has recommended rehabilitation of the inlet and outlet canals. The project is to rehabilitate inlet and outlet canals to the Jackson Gulch Reservoir and to replace its operational shops and headquarters. The District completed the rehabilitation of a critical portion of their ditch system in 2009, involving the construction of retaining walls and access road along the ditch. Ditch rehabilitation was completed in October 2011.

### 3. Upper Arkansas Water Conservancy District – N. Fork Reservoir Rehabilitation

Authorization: Severance Tax Fund	County: Chaffee/Custer/Fremont
Water Source: N. Fork of S. Arkansas	Project Yield: 500 acre-feet
Terms of Loan: \$3,520,000 @ 3.50% for 30 yrs.	Project Type: Reservoir Rehabilitation

The UAWCD has operated the North Fork Reservoir since 1979 for domestic, municipal, industrial, recreational, and augmentation water supply. The reservoir is at elevation 11,400 feet and is located approximately 10 miles from Maysville on the North Fork of the South Arkansas River. The project involves replacement of the outlet gate, improved access, increased spillway capacity, seepage control, and raising the dam 15-feet to achieve a storage capacity of 500 acre-feet. The project is located on Forest Service property, which requires a special use permit and an environmental assessment prior to construction. The initial phase of construction was awarded to ASI, Buena Vista, Colorado, and completed in May of 2007. The District will not be pursuing enlargement of the reservoir, due to issues associated with the Forest Service and the NEPA process. The District is currently working on remote monitoring equipment for North Fork Reservoir, and the NEPA process to continue operating at historic levels.

#### 4. Union Ditch Company – Well Augmentation Project

Authorization: Severance Tax Trust Fund  
 Water Source: South Platte River  
 Terms of Loan: \$312,595 @2.50% for 320-years

County: Weld  
 Project Yield: 206 acre-feet  
 Project Type: Well Augmentation

The Union Ditch Company provides irrigation water to an area of 5,500 acres east of the Town of LaSalle and south of Greeley. The Union Ditch Company has filed application for an augmentation plan to provide replacement water for 40 junior wells owned by the shareholders, formerly serviced by GASP. This project involves the development of 3 recharge ponds, placement of flow measurement devices, and headgate structures into the ponds. The ponds will be filled by gravity flow from the Union Ditch. Union Ditch Company is currently constructing one recharge pond at the Miller Feedlot Site with an accompany diversion structure on the Union Ditch.

## **5. Overland Ditch and Reservoir Company – Reservoir Rehabilitation**

Authorization: Severance Tax Fund  
 Water Source: Cow Creek  
 Terms of Loan: \$1,130,000@ 2.5% for 30 yrs.

County: Delta  
 Project Yield: 17,000 AF  
 Project Type: Reservoir Rehabilitation

The Company's 120 members own and operate the Overland Reservoir, located in Delta County in the Gunnison National Forest at elevation 10,000-ft. This project involves increasing the current reservoir capacity from 6,200 AF to 7,171 AF, raising the spillway elevation 3.8 feet, installing toe drains, increasing the dam crest width, and additional embankment protection. The Overland Ditch Company shareholders at their August 2006 Board Meeting, approved increasing the capacity of the reservoir. The project is currently under design, with construction on-hold until fens can be addressed on-site. High altitude fens on the Grand Mesa have become a significant issue and staff is currently working with area water users, local wetland consultants, and the Army Corps of Engineers to address this problem on a regional permit basis.

## **6. Montezuma Valley Irrigation Company – May Lateral Pipeline**

Authorization: Severance Tax Fund  
 Water Source: Dolores River  
 Terms of Loan: \$5,292,400@2.25% for 30 yrs.

County: Montezuma  
 Project Yield: 128,000 acre-feet  
 Project Type: Pipeline

The MVIC manages the delivery of irrigation water to a 46,000 acre service area. The Project includes installing approximately five miles of 36-inch pipe in the existing May Lateral Ditch alignment. The pipe installation will improve delivery and reduce leakage. The May Lateral water is diverted from the Dolores River and is routed through the McPhee Reservoir prior to delivery to shareholders. The new pipeline will carry approximately 18 cfs to the 105 shareholders that depend on the May Lateral for irrigation water. AgriTech Consulting has provided planning and preliminary design services. The Company has completed the installation of the entire pipe along the 5-mile project length. Substantial Completion is expected in 2013.

## **7. Platte Valley Irrigation Company – New Equalizer Reservoir Project**

Authorization: Severance Tax Fund  
 Water Source: South Platte River  
 Terms of Loan: \$2,388,650@2.25% for 20 yrs.

County: Weld  
 Project Yield: 52,401 AF  
 Project Type: Reservoir Construction

Platte Valley Irrigation Company serves 14,800 acres of irrigated farm land in Weld County east of Platteville. The Company diverts water from the South Platte near Fort Lupton and shares a headgate with Farmers Reservoir and Irrigation Co (FRICO), as well as 10 miles of the Platte Valley Canal. The company intends to construct an equalizer reservoir on the ditch system to allow for more efficient management of the water, as well as additional measurement and control structures on their main ditch.

The reservoir will have a junior storage right and direct water to PVIC's recharge program. In an average year the reservoir is expected to store 300 AF, with a 300 AF refill. Construction will consist of a 431 AF reservoir with a 14 foot high dam with a 48 inch RCP outlet/spillway. The project also includes relocation of an existing section of Evans No. 2 Ditch below the split from the Platte Valley Canal, modification of the existing bifurcation structure, and construction of three new Parshall Flumes, as directed by the Water Court. The project is being designed by Smith Geotechnical, Fort Collins.

## **8. Greeley Irrigation Company – Greeley No. 3 Canal Rehabilitation**

Authorization: Severance Tax Fund

Water Source: South Platte

Terms of Loan: \$2,233,867@2.85% for 30 yrs.

County: Weld

Project Yield: 18,000 acre-feet

Project Type: Canal Rehabilitation

The Greeley Irrigation Company (GIC) provides irrigation water to a service area of 2,367 acres in Weld County, generally within the City of Greeley and east of the City. GIC operates the Greeley Canal No. 3, constructed in 1870 by the Union Colony. About 1,100 acres of the 3,500 original irrigated acres have been subject to dry-up, and water converted to augmentation use. Present canal usage is roughly 1/3 City of Greeley, 1/3 agricultural irrigation, and 1/3 augmentation. GIC facilities consist of a river diversion structure, approximately 13 miles of earthen canal, check structures, delivery headgates, spill structures, trash screens, and other minor structures. A portion of these facilities are in need of repair, upgrades, or replacement. The GIC Board is undertaking a number of phased improvements to the canal including: 1) repairs to, and partial replacement of, the river diversion; 2) piping or lining of portions of the canal; 3) consideration of canal automation using supervisory control and data acquisition (SCADA) equipment; 4) tree removal and tree pruning; 5) canal realignment, reshaping, and straightening; and 6) removal or repair of selected headgates and installation of new headgates. The project is nearly complete. The Company is currently working on their SCADA system and the realignment and reshaping of various sections of existing channel.

## **9. Henrylynn Irrigation District – Horse/Prospect Reservoirs Rehabilitation**

Authorization: Severance Tax Fund

Water Source: Denver/Hudson Canal

Terms of Loan: \$2,184,327@2.25% for 30 yrs.

County: Weld

Project Yield: 13,850 acre-feet

Project Type: Reservoir Rehab.

The District diverts water through the Burlington Canal Headworks on the South Platte River, extending 16 miles to and past Barr Lake. From Barr Lake the Denver-Hudson Canal continues 25 miles to Horse Creek Reservoir, and then continues another 25 miles to Prospect Reservoir. Horse Creek Reservoir was constructed in 1910, and is a High Hazard, 64 ft high earth fill dam 4800 ft long with a 200 foot wide earth-lined spillway. The decreed storage right is 19,515 AF, but normal storage is 18,747 AF. The project will provide a lining of the steel outlet works, install additional toe drainage, and resurface and re-grade the dam crest. Prospect Reservoir was constructed in 1914, and is a Significant Hazard, 43.5 ft high earth fill dam, 5,300 ft long with a 250 wide concrete/riprap spillway. The decreed storage right is for 7,660 AF, but the normal storage is 6,368 acre feet. The outlet works consist of a 48 in. concrete pipe that narrows to about 30 in. downstream of the control gate, due to previous re-lining projects. The reservoir has a restriction of 1.5 feet below the historic maximum stage, due to concerns about the stability of the downstream slope of the dam. The proposed project is a lining for the outlet works, and resurface and re-grade the dam crest. Zak Dirt Construction has completed reconstruction of outlet channel and has regraded the dam crest on Horse Creek Reservoir. The Prospect Reservoir outlet pipe has been lined and dam crest regrading is complete. **UPDATE: The Company contracted with Zac Dirt in October 2011 to increase the dam width of Horse Creek with the remaining loan funds. Construction is expected to be complete in the summer of 2012.**

## **10. New Salida Ditch Company – Ditch Rehabilitation**



Authorization: Severance Tax Fund  
 Water Source: Upper Arkansas River  
 Terms of Loan: \$365,620@2.50% for 30 yrs.

County: Chaffee  
 Project Yield: 7,000 acre-feet  
 Project Type: Ditch Rehabilitation

The New Salida Ditch Company owns and operates the New Salida Ditch to deliver water to agricultural users from the Arkansas River through a diversion in Browns Canyon. The diversion is located 10 miles north of Salida and is approximately eight miles from its diversion to its end at Ute Gulch. In Browns Canyon, the Ditch runs parallel to the River for 1.25 miles. This section has historically been difficult for the Company to maintain and has suffered frequent breaks, resulting in costly repairs and the discharge of sediment into the adjacent river. The Company was cited by the Colorado Department of Health and Environment for a recent failure of the ditch in 2005. This project involves the installation of 3,200 feet of 42-inch pipe along the historically troubled ditch area. Project construction commenced in September of 2009 and will have a final phase completed in 2012.

#### **11. Republican River Water Conservation District – Compact Compliance Pipeline**

Authorization: Severance Tax Fund  
 Water Source: Republican River  
 Terms of Loan: \$60,600,000@2.0% for 20 yrs.

County: N. E. Colorado  
 Project Yield: 15,000 acre-feet  
 Project Type: Pipeline Construction

December 2002, Colorado entered into a Stipulation with Kansas and Nebraska to address the U.S. Supreme Court case of *Kansas v. Nebraska and Colorado*. Colorado agreed to develop a ground water model to determine stream flow depletions caused by well pumping in the Basin and to a five-year running average to determine compliance with the Republican River Compact. In 2007, the State had exceeded its allocation under the Compact by an average of 11,350 AF/yr. To solve the problem the District elected to acquire ground water rights with a historical consumptive of 15,000 AF/yr. This water will be delivered to the North Fork of the Republican River via a Pipeline to the stream gage at the state line to offset stream depletions. The \$60 million loan is for engineering, construction and water acquisition related to the Project. The loan represents approximately 85% of the estimated \$71 million total cost of the Project. Design was completed in 2009. The District continues to work on resolving compact issues with Kansas regarding the point of release of compact water on the North Fork of the Republican, which does not address the depletions on the South Fork of the Republican at the Colorado-Kansas state line and other related issues. The District did address issues of senior surface water users along the North Fork with the purchase of a 20-year lease from Yuma County Water Authority, who recently purchased the North Fork Water Rights under a separate CWCB loan contract. On June 19, 2009, the District purchased the \$49,000,000 Cure water rights with CWCB loan funds, which was a critical piece to the overall success of the compliance project. **UPDATE: Pipe and pump facilities are nearly complete. Substantial Completion is expected in 2013.**

#### **12. Ogilvy Augmentation Company – Well Augmentation Project**

Authorization: Severance Tax Fund  
 Water Source: South Platte River  
 Terms of Loan: \$1,010,808@2.5% for 30 yrs.

County: Weld  
 Project Yield: 60 acre-feet  
 Project Type: Augmentation

The Ogilvy Augmentation Company was established in 2005 to augment wells that operate under the Ogilvy Irrigating and Land Company service area. Approximately 1,400 acres of land are irrigated by the Augmentation Company members in an area north of Kersey. There are 17 wells in the Augmentation Company that operate under its temporary substitute water supply plan (SWSP). The SWSP is currently operated using leased water. A permanent water supply is necessary for the Augmentation Company to obtain a permanent augmentation plan. This project includes the purchase of water rights, construction of a recharge facility, constructing a storage reservoir, and installing monitoring devices. It will file for its permanent augmentation plan in 2009. The Company has purchased the water rights and has constructed

the recharge facility. The Company is waiting on approval of their augmentation plan before proceeding with the construction of the storage reservoir.

### **13. Snowmass Water and Sanitation District – Zeigler Reservoir Water Management System**

Authorization: Construction Fund

County: Pitkin

Water Source: Snowmass Creek

Project Yield: 1,800 acre-feet

Terms of Loan: \$1,952,805@4.25% for 20 yrs.

Project Type: System Improvements

The District's project involves the construction of a new delivery system; which includes the construction of a pump house, 1,400ft of pipe, a flow control building, installation of telemetry and electric power. The District diverts water for treatment from creeks upstream of Snowmass Village. The District purchased Ziegler Reservoir (aka Lake Deborah) in 2008 because they didn't have a raw water storage facility and to improve system reliability. The District plans to expand the Reservoir from its current 57 AF to approximately 225 AF (under a separate CWCB loan). The District currently serves approximately 3,500 full time residents and during the winter ski season an additional 12,000 residents. To regulate flows and provide a supply during times of diminished stream flows, a system to divert water to and pump water from the reservoir is required. The construction was completed in 2010 and Substantial Completion is expected in 2012.

### **14. Farmers Reservoir and Irrigation Company – Milton Reservoir and Barr Lake Improvements**

Authorization: Construction Fund

County: Adams/Weld

Water Source: Beebe Seep Canal/Platte Valley Canal

Project Yield: 125,000 AF

Terms of Loan: \$3,535,000@3.7% for 30 yrs.

Project Type: Spillway

Farmers Reservoir and Irrigation Company operates a ditch and reservoir system extending 3,500 square miles along the Front Range corridor, from Golden to Kersey, Colorado. The system consists of four major reservoirs (Standley Lake, Marshall Lake, Barr Lake and Milton Reservoir) numerous smaller reservoirs, and approximately 400 miles of diversion and delivery canals. This loan request specifically relates to work to be completed at Milton Reservoir and Barr Lake. The Project includes three separate projects: Milton Reservoir Outlet Works (replacing the upstream outlet gate structure and a portion of the piped outlet works), Milton Spillway (enlarging the existing spillway), and Barr Lake Spillway (enlarging the existing spillway and raising the perimeter dike). These projects are nearly complete and complete Substantial Completion is expected in late 2012 or early 2013.

### **15. Lower Latham Reservoir Company – Well Augmentation Project – Phase III**

Authorization: Construction Fund

County: Weld

Water Source: South Platte River

Project Yield: 5,705 acre-feet

Terms of Loan: \$3,811,573@2.75% for 30 yrs.

Project Type: Augmentation

The Lower Latham Reservoir Company is acquiring five shares of Lower Latham Ditch Company, for the purpose of providing augmentation water for existing shareholder wells. It is also constructing groundwater recharge facilities and other system improvements to utilize these shares and shares acquired in phases I & II of the project (both of which were financed by the CWCB). The Company provides augmentation water for 84 wells in Weld County by replacing out-of-priority pumping depletions. 39 of these wells were formerly in the GASP Augmentation Plan, and the remaining 45 wells are covered in the Augmentation Plan of Central Colorado Water Conservancy District's GMS. The Company is attempting to cover the former GASP wells, and supplement coverage of the GMS wells with their own augmentation plan. In 2003, the Company filed a permanent well augmentation plan that is pending. The Company has concluded that additional replacement sources are necessary to provide sufficient replacement water during extended drought years. A 2010 SWSP for the Company was revised and

submitted to the SEO in December 2009. The Company has completed its water rights purchase and the construction of the augmentation ponds.

#### **16. Town of Gypsum – LEDE Ditch and Reservoir Rehabilitation**

Authorization: Construction Fund

County: Eagle

Water Source: Colorado River

Project Yield: 685 acre-feet (254 new)

Terms of Loan: \$2,689,731@4.5% for 30 yrs.

Project Type: Reservoir Rehabilitation

The Town purchased the LEDE Ditch and LEDE Reservoir water rights in 2006. The original water rights are decreed for irrigation uses, and provide storage for up to 947 AF in the reservoir. The Reservoir was built to a capacity of 431 AF. The Town seeks to increase capacity to 685 AF in order to accommodate continued agricultural irrigation, and for future water supplies to the Town. 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. The Town wishes to repair and improve the reservoir to utilize its potential, and to protect valuable senior storage rights in the reservoir. The reservoir is located in the headwaters of Gypsum Creek, south of Gypsum within the White River National Forest. Dam design and permitting will continue through 2012. The Town received a WSRA grant for an increased enlargement of the reservoir. To Date: a supply side pipeline component of the Project above the Reservoir was completed in September 2010. **UPDATE: Town's EIS is open for public comment.**

#### **17. Town of Dillon – Old Dillon Reservoir Enlargement**

Authorization: Construction Fund

County: Summit

Water Source: Salt Lick Gulch

Project Yield: 286 acre-feet (140 new)

Terms of Loan: \$1,515,000@4.0% for 30 yrs.

Project Type: Reservoir Enlargement

The Town of Dillon is participating in the enlargement of the Old Dillon Reservoir. In 2004, the Town, Summit County and Town of Silverthorne signed an agreement to enlarge the reservoir. The Town's participation cost is approximately 27% of the construction and 20% of the engineering costs. The Town and the County initiated a feasibility study in 1995. The Reservoir was originally constructed as a 46 AF raw water storage reservoir filled via the Dillon Ditch, which diverts from Salt Lick Gulch. The Reservoir site is southwest of the Dillon Reservoir Dam. In the summer of 2008, the SEO issued an order to drain the Reservoir due to concerns over the integrity of the north dam. The project will increase the reservoir capacity from 46 to 286 AF. The contractor failed to complete the project within the contract deadline. Construction was postponed due to the winter weather but has commenced again and the Project is expected to be completed in the summer of 2012.

#### **18. Lake Canal Reservoir Company – South Gray and Gray No. 3 Reservoir Rehabilitation**

Authorization: Construction Fund

County: Larimer/Weld

Water Source: Box Elder Creek

Project Yield: 1,120 AF (165 AF new)

Terms of Loan: \$433,000@3.15% for 30 yrs.

Project Type: Reservoir Rehabilitation

The Lake Canal Reservoir Company planned improvements that include: 1) the installation of toe drains on the South Gray dam 2) the breaching of Gray No. 3 dam including erosion protection and access road realignment. The Project is necessary to address a SEO Dam Safety hazard and avoid the potential for a reservoir storage restriction. The South Gray Reservoir dam has excessive seepage along a major portion of the dam. Gray Reservoir No. 3 is restricted to zero storage by the SEO due to the poor condition of the dam and outlet works. The Company received a court decree allowing the storage in No 3 to be moved to other locations. **UPDATE: Construction was completed in the fall of 2011 and Substantial Completion is scheduled for July 1, 2013.**

**19. City of Monte Vista – Augmentation Water Rights Purchase**

Authorization: Construction Fund  
Water Source: Rio Grande River  
Terms of Loan: \$1,693,770@4.0% for 30 yrs.

County: Rio Grande  
Project Yield: 321 AF  
Project Type: Water Rights

The City of Monte Vista provides water to 4,300 residents and is located 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. Proposed 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 plans to add 321 AF of replacement water to its portfolio. In order to meet this need, the City is purchasing Anderson Ditch water rights and storing them in the Rio Grande Reservoir. The City executed the purchase of the Anderson Ditch rights and will soon file a water court application to enable the use of those rights to replace depletions as soon as possible. The Town has executed an agreement with the San Luis Valley Irrigation District for the purchase of storage space in the Rio Grande Reservoir. CWCB has disbursed funds for part of the water purchase and the Reservoir storage space.

**20. Fort Morgan Reservoir and Irrigation Company – Pipeline Project/Augmentation Retiming**

Authorization: Construction Fund  
Water Source: South Platte River  
Terms of Loan: \$1,494,800@2.9% for 30 yrs.

County: Morgan  
Project Yield: 37,058 AF  
Project Type: Augmentation/Pipeline

The Company operates a ditch system that serves surface water to approximately 15,000 acres of irrigated land between Weldona and Brush, and operates a recharge and augmentation plan that provides augmentation water for approximately 90 irrigation wells. In addition, the Company has an operational agreement with Groves Farms, LLC, which is a family farming corporation also located in Morgan County, for a recharge/augmentation plan. The Company, with Groves Farms, plans to re-divert and re-time augmentation credits from the Company's more senior recharge projects at certain times when they are not needed for direct augmentation use, and to divert water under new junior water rights when available for recharge and augmentation use. The Project involves installing three miles of 24" pipe from the River to recharge ponds on Groves Farms' land; installing pumps; installing one augmentation well and pumping equipment near Groves' ponds to pump ground water back to the South Platte River; and installing seven recharge /augmentation ponds on Groves Farms' land. The Company has completed the project and is addressing some complications with the pumps ability to pump the specified amount of water to the recharge ponds during the summer months. The primary concern is that the screen in the river is not functioning as designed during sandy/silty river flows.

**21. Joseph W. Bowles Reservoir Company – Bowles No. 1 Dam Rehabilitation**

Authorization: Construction Fund  
Water Source: Bear Creek  
Terms of Loan: \$1,703,870@4.65% for 30 yrs.

County: Jefferson  
Project Yield: 2,062 acre-feet  
Project Type: Reservoir Rehabilitation

The Joseph W. Bowles Reservoir Company (Company) owns and operates Bowles No. 1 Reservoir, located in the southwest metropolitan area of Denver. The Company was formed in 1906 and currently has 50 shareholders who use the water for golf courses, parks, open space, and some individual ranches for irrigation water. The Company is applying for a loan to implement several repairs to correct dam-safety deficiencies and improve the long-term performance of Bowles Reservoir No. 1 Dam and to rehabilitate the deteriorating reservoir inlet ditch. The dam rehabilitation includes widening the crest, reconstructing the upstream slope, and installing a seepage collection and toe drain system on the downstream slope. Work on the inlet ditch includes removing trees, reconstructing the ditch cross section and alignment,

placing slope protection in high erosion areas, and installing a flow control pipe that will provide for discharge of excessive ditch flows into an existing spillway and drainage structure. Dam construction project was completed in the summer of 2011. Ditch construction is expected to continue thru 2012.

## **22. Pagosa Area Water and Sanitation District – Dry Gulch Reservoir Land Acquisition**

Authorization: Construction Fund	County: Archuleta
Water Source: San Juan River	Project Yield: 35,000 acre-feet
Terms of Loan: \$11,217,060@3.50% for 30 yrs.	Project Type: Land Acquisition

The District serves 9,500 residents in the 100 sq. mile District service area. Drought and demand from growth is requiring additional storage and of around 12,400 AF of storage by 2040. Growth projections estimate the need for a 35,000 AF reservoir to meet demand through 2100. Dry Gulch site is the only reasonably valued site available due to land development. Primary fill source will be pumping of San Juan River water to the reservoir. A CWCB loan will be used to purchase two parcels of land to begin the process of meeting the needs of the District. The land is needed for both sizes of reservoir. Preliminary design and permitting is expected to start in 2008 and construction of the reservoir is projected to start in 2020. CWCB has disbursed just under \$10,000,000 in loan funds for land purchases to-date.

## **23. Supply Irrigation Ditch Company – Knoth Reservoir Dam Rehabilitation**

Authorization: Severance Tax Fund	County: Boulder – N.E. of Lyons
Water Source: St. Vrain Creek	Project Yield: 4,800 acre-feet
Terms of Loan: \$1,515,000@2.6% for 30-years	Project Type: Dam Rehabilitation

Supply Irrigating Ditch Company services approximately 8,500 acres of irrigated farmland in Boulder County between Lyons and Mead. Currently the water for irrigation is supplied by a direct flow decree and from the Beaver Park Reservoir (which is approx. 25 miles west of the start of the Supply Ditch near the continental divide). Supply Irrigating Ditch Company is in the process of acquiring a storage decree within Knouth Reservoir in exchange for the rehabilitation of the reservoir. This reservoir will give the Company some system flexibility, as this storage is significantly closer to users than Beaver Park Reservoir. The reservoir improvements include: construction of a spillway, removing vegetation from the embankment of the dam, lining select areas on the upstream dam face with a clay liner, placing riprap along the upstream dam face, enclosing an irrigation ditch within a pipe, and installing dam instrumentation. URS Corporation is currently working on the final SEO plans, which could be approved sometime this summer. Design changes and refinement of the original cost estimate have resulted in an increase to the overall project cost. The Company was approved for additional loan funds at the November 2009, for a new loan amount of \$1,515,000. The Company was recently informed by Little Thompson Water District that they will not be participating in the project, given the cost per acre-foot to complete the project. The Company is currently evaluating its options to continue with the project.

**UPDATE: Upon further review of the yield, the Company is unlikely to construct this project. This loan will be a candidate for deauthorization in November 2012.**

## **24. Owl Creek Reservoir Company - Reservoir Rehabilitation**

Authorization: Construction Fund	County: Weld
Water Source: Owl Creek Basin	Project Yield: 1,200 acre-feet
Terms of Loan: \$1,125,000 @2.75% for 30-years	Project Type: Reservoir Rehabilitation

Owl Creek Reservoir is located approximately 6 miles east and 3 miles north of the Town of Ault. The reservoir was originally constructed in 1896 to store water for irrigation. The dam was constructed of granular material, and over the years has suffered structural damage due to seepage. Given the condition of the dam embankment and the potential for failure, the dam was intentionally breached in 1983. The

proposed project involves rehabilitating the existing dam embankment, the construction of a controlled outlet structure, and the construction of an emergency spillway. The project was bid in the fall of 2003. The Reservoir Company is currently exploring its options increasing the dredging quantity to obtain its full storage decree of 1,750 acre-feet. The Company is considering applying for additional funds from the Board to achieve the full reservoir capacity. Additionally, the Company has amended the loan contract for a 1-year time extension to complete the work. The Company is also researching the possibility of utilizing Owl Creek Reservoir as storage facility from flows outside of Owl Creek. This could be accomplished by pumping water from the Larimer Weld Canal, located approximately  $\frac{3}{4}$  of a mile downstream of the reservoir. The Company has received bids and is currently negotiating with Barker Construction, Fort Collins, Colorado to construct project for approximately \$1,250,000. The Company has expended approximately \$450,000 to-date for permitting, soils, and design and will need an additional \$600,000 to complete the project. Staff has indicated to the Company that additional collateral will be required to proceed forward with a loan increase, which is currently being considered.

## **25. Penrose Water District – Water Rights Purchase and Pipeline Installation**

Authorization: Severance Tax Fund

County: Fremont

Water Source: Arkansas River

Project Yield: 339 AF - Consumptive

Terms of Loan: \$8,844,570@3.25% for 30 yrs.

Project Type: Pump/Pipeline/Reservoir

The District provides domestic water to approximately 4,000 people with 1,700 taps in and around the Town of Penrose, with existing demand of 489AF per year. The District's water supply is a lease with the Beaver Park Water, Inc. (BPW) who owns and operates Brush Hollow Reservoir. The 1990 lease has a 30-year term, and provides an increasing amount of water each year, 751 AF in 2006, leveling out at 1,000 AF in 2020. In drought years, the amount available to PWD is further reduced below the contract amount. Future build-out demand in 2040 is projected to be 1,200 acre-feet for about 8,000 residents and 3,240 taps. The Project includes the acquisition of  $\frac{5}{6}$ <sup>th</sup> of the Pleasant Valley Ditch water rights. Water will be diverted through alluvial wells and pumped 6 miles through a 12-inch pipe to Brush Hollow Reservoir. Brush Hollow will be used to store the water through a storage agreement. Water rights were purchased in 2005 with bridge financing. A water court application was filed in 2006. Dist. closed on the Brush Hollow Reservoir storage purchase in November of 2011.

## **26. Farmers Highline Canal and Reservoir Co. – System Rehabilitation**

Authorization: Construction Fund

County: Adams/Jefferson

Water Source: Clear Creek

Project Yield: 24,000 AF

Terms of Loan: \$1,410,768@4.65% for 30 yrs.

Project Type: Reservoir Rehabilitation

The Company was established in 1885 and it diverts water off of clear creek and it delivers water through a 31 mile canal running from Golden to Northglenn, through Arvada and Westminster. The Company has completed a canal evaluation and engineering planning study and identified a list of improvements it intends to do with the CWCB loan proceeds. These items include: replacement of corroded drain pipes, replacement of three siphons, headgate rehabilitation, SCADA control system installation at the headgate, diversion dam rehabilitation, and tree removal along the ditch. This work is expected to be completed between the fall of 2010 through 2014. Bids came back high due to the short construction window, plan to rebid this fall to give contractors larger construction window.

## **27. Riverside Reservoir and Land Company – Riverside Reservoir Spillway Enlargement**

Authorization: Severance Tax Fund

County: Weld

Water Source: South Platte River

Project Yield: 64,000 AF (200 new)

Terms of Loan: \$2,838,100@2.5% for 30 yrs.

Project Type: Spillway

The Riverside Reservoir and Land Company owns and operates the 64,000 AF 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 irrigation water for approximately 50,000 acres. There is a storage restriction of 0.5 foot (200 AF of storage loss) due to the lack of a spillway per SEO Dam Safety Branch. In order to prevent further storage restrictions, the Project includes constructing an emergency spillway. Construction is expected in **2013. The engineer is re-evaluating design options with support from the SEO.**

## **28. Riverside Ditch and Allen Extension Company – Ditch System Rehabilitation**

Authorization: Construction Fund	County: Chaffee
Water Source: Arkansas River	Project Yield: 3,250 AF
Terms of Loan: \$186,345@2.75% for 30 yrs.	Project Type: System Rehabilitation

The Riverside Ditch and Allen Extension Company, located near Buena Vista, owns and operates the Riverside Ditch 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 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. Ditch lining phase of the project was completed in December 2010. Additional phases will be constructed in the fall of 2012.

## **29. Snowmass Water and Sanitation District – Ziegler Reservoir Expansion Project**

Authorization: Construction Fund	County: Pitkin
Water Source: Snowmass Creek	Project Yield: 240 AF
Terms of Loan: \$2,873,804@4.75% for 20 yrs.	Project Type: Reservoir Construction

The District was approved for a loan to enlarge Ziegler Reservoir that it purchased in 2008. Prior to that, it did not have a useable raw water storage facility. The District purchased the reservoir to enlarge it from 57 AF to 240 AF. It will allow the District to regulate flows and provide a supply during times of diminished stream flows. The CWCW previously approved a loan to the District in May 2009 to construct the pipeline to deliver water to and from this reservoir. The reservoir expansion plans were submitted to the State Engineers Office in November of 2010. Hudick Construction Company completed the dam construction in the fall of 2011.

## **30. Thunderbird Water & Sanitation District – Lambert Ranch Water Rights Purchase**

Authorization: Construction Fund	County: Douglas
Water Source: Denver Basin Aquifer	Project Yield: 896 AF
Terms of Loan: \$318,150@4.25% for 20 yrs.	Project Type: Water Rights Purchase

The District provides potable water to the Indian Creek Ranch subdivision, consisting of 175 customers. The District plans to purchase 896 AF of Denver Basin Aquifer 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. Closing has been delayed to mid 2012 due to easement access to purchased wells.



### **31. Fisher Ditch Company – Ditch Infrastructure Project**

Authorization: Construction Fund  
Water Source: Clear Creek  
Terms of Loan: \$454,500@4.0% for 30 yrs.

County: Denver  
Project Yield: 7,623 AF  
Project Type: Ditch Rehabilitation

The Ditch Company utilizes the ditch to supply water to its 28 shareholders for the purpose of irrigation, augmentation and industrial uses. The ditch has aging infrastructure that has become a burden and unreliable. The Project includes four system rehabilitation tasks: 1) headgate rehabilitation, 2) replacement of 650 LF of damaged CMP with RCP, 3) installation of a sand-out pipe and gate, and 4) burying 1,500 LF of open ditch with plastic irrigation pipe. Construction start delayed due to 404-permitting, construction start rescheduled for fall 2012.

### **32. Parkville Water District – Canterbury Tunnel Repair**

Authorization: Construction Fund  
Water Source: East Fork Arkansas  
Terms of Loan: \$1,838,200@4.0% for 30 yrs.

County: Lake  
Project Yield: 1.086 AF  
Project Type: Tunnel Repair

The Parkville Water District provides municipal water for the Town of Leadville and surrounding areas. The District provides service to about 2300 taps. The Canterbury Tunnel has been a critical water supply source to the District for over 45 years. The Tunnel originally served as mine drainage; however, because it was of such good quality and reliability the District added it to its water supply system. About 15 years ago, the flow of water was significantly reduced due to a collapse in the tunnel. The project includes drilling a new well to access the functioning part of the tunnel and pumping the water to the District's distribution system. **UPDATE: The Dist. has selected Stan Miller, Inc as the contractor. Construction is underway and should be completed in 2012.**

### **33. Crystal Lakes Water & Sewer Association – Lower Lone Pine Lake Enlargement Project**

Authorization: Construction Fund  
Water Source: N. Lone Pine Creek  
Terms of Loan: \$2,363,400@4.0% for 30 yrs.

County: Larimer  
Project Yield: 101 AF  
Project Type: Reservoir Enlargement

The Association is proposing to enlarge Lower Lone Pine Lake from 10.5 AF to 100.5 AF. The increase will provide augmentation water for the Crystal Lakes subdivision, located in Larimer County. Crystal Lakes, established in 1969, is a private community with 1,656 lots. More than 800 residences are currently served by the Association. The residences derive their water supply from individual wells. The Crystal Lakes augmentation decree specifically links the allowable use of well water to the amount of augmentation water held in storage. The increased storage capacity will protect the community against possible well curtailments. **UPDATE: Awaiting SEO approval, with RFP expected to be issued in July 2012.**

### **34. Big Elk Meadows Association – Raw Water System Improvements Project**

Authorization: Construction Fund  
Water Source: W. Fork Little Thompson  
Terms of Loan: \$272,700@4.5% for 30 yrs.

County: Boulder, Larimer  
Project Yield: 109 AF  
Project Type: Tunnel Repair

The Big Elk Meadows Association is requesting a loan for improvements to its raw water system which serves Big Elk Meadows, a 205-lot subdivision with 160 residences distributed across 460 acres. During SEO inspection of the Association's raw water system and review of its water accounting practices it was determined the outlet conduit from Meadow Lake Dam was collapsing and there was no way to control

release rates. It was also determined that the Association has no accurate means to measure flows and accurately control reservoir releases, violating the terms of its 1995 decree regarding return flows. The SEO has required that the Association improve their raw water system and accounting protocol in order to function safely and in compliance with its decrees. Project improvements include: Meadow Lake Dam outlet replacement, raw water monitoring, and ISH Reservoir augmentation outfall. This project will provide the Association with a means to monitor and control reservoir releases while satisfying downstream obligations per their augmentation plan. Construction started in February 2012. ISH outfall and flow monitoring were completed in Spring 2012. **Update: Meadow Lake to be drained in August 2012 in order to start construction by October.**

### **35. Two Rivers Water Company – Orlando Reservoir Rehabilitation**

Authorization: Construction Fund	County: Huerfano, Pueblo
Water Source: Huerfano River	Project Yield: 6,800 acre-feet
Terms of Loan: \$1,184,882 @ 2.50% for 20 yrs.	Project Type: Reservoir Rehabilitation

The Company requested a loan to restore aging water infrastructure in order to support the company's agricultural production. Loan funds will be used to modify the spillway at the Cucharas Dam. This will bring the spillway up to SEO standards and will allow the company to store water and avoid a pending breach order. Loan funds will also be used to repair the outlet works at the Orlando Reservoir No. 2, to construct a new headgate on the Orlando Canal, and to complete the Cucharas Dam phase I rehabilitation. Construction on the Orlando project began in the winter/spring of 2012. To date, the Cucharas Dam phase I rehabilitation, Orlando Reservoir No. 2 outlet works have been completed. The headgate at the Orlando Canal is currently in the final design phase and bidding phase.

### **36. Town of Georgetown – Outlet Works Modifications Project**

Authorization: Construction Fund	County: Clear Creek
Water Source: Clear Creek	Project Yield: 208 AF
Terms of Loan: \$2,976,975 @ 4.5% for 30 yrs.	Project Type: Reservoir Rehabilitation

The Town is located on Clear Creek, along the I70 corridor. 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 Lake operations, up to 500 cfs must be released so the Town can meet the terms of its augmentation plan. Construction is expected to begin in the spring of 2013.

### **37. Jackson Ditch Company – Headgate Check Structure Rehabilitation Project**

Authorization: Construction Fund	County: Larimer
Water Source: Cache la Poudre River	Project Yield: 5,500 AF
Terms of Loan: \$124,533 @ 3.60% for 30 yrs.	Project Type: Ditch Rehabilitation

The Ditch Company is rehabilitating its check dam structure on the Cache la Poudre River. The river splits and flows around an island just upstream of the Company's diversion headgate. When flows are particularly low the structure is utilized to convey flows to the east side of the island where they can be diverted through the headgate. The concrete check dam has been in place since the 1960's, but has recently fallen into disrepair, preventing the Company from diverting its most senior water rights at times. Construction is planned for the spring 2012. **Update: Construction started in March 2012 and substantial completion expected by summer 2012.**

### **38. North Delta Irrigation Company – NDIC Tunnel Repair Project**

Authorization: Construction Fund	County: Delta
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Water Source: Gunnison River  
Terms of Loan: \$808,000 @ 3.10% for 30 yrs.

Project Yield: 17,735 AF  
Project Type: Ditch Rehabilitation

The Company is responsible for supplying water to its 174 shareholders for the irrigation of 2,300 acres of land. The water is delivered through the North Delta Irrigation Canal. A two-mile stretch of the twenty-three mile canal is located along the steep hillside paralleling the Gunnison River, and includes three tunnels. The longest tunnel, 1,450 feet in length, experienced a collapse in July 2011, blocking deliveries to 94% of its shareholders. This project will repair the tunnel by removing the blockage, installing 1,500 LF of 54" fused HDPE and underdrain system, and backfilling the HDPE with grout. Additional funding for the project includes an \$800,000 WSRA grant approval from the Gunnison Basin Round Table. Construction started in April 2012. **UPDATE: Tunnel has been cleared and pipe installed. Ditch began flowing May 31, 2012. Grout backfill of new tunnel pipe to be complete during summer 2012.**

### **39. La Veta, Town of – La Veta Dam Rehabilitation**

Authorization: Construction Fund  
Water Source: Cucharas River  
Terms of Loan: \$372,690 @ 3.00% for 30 yrs.

County: Huerfano  
Project Yield: 209 acre-feet  
Project Type: Reservoir Rehabilitation

The Town of La Veta is supplies its residents with potable water. The primary water source for the Town is from a diversion on the Cucharas River. The town stores raw water in two reservoirs (North Lake and South Lake) to supplement the river diversions in times of low flow and in periods of drought. North Lake reservoir has exhibited growing signs of distress over the years and the SEO issued a 2.5-foot restriction on the dam in March 2011. The restriction impacts the Town's storage capacity by 17 AF.. The Project will repair the dam and outlet works and restore the capacity lost from the restriction.

### **40. Terrace Irrigation Company – Spillway Replacement Project**

Authorization: Construction Fund  
Water Source: Alamosa River  
Terms of Loan: \$1,010,000 @ 1.75% for 30 yrs.

County: Conejos  
Project Yield: 15,339 AF  
Project Type: Reservoir Rehabilitation

The Company, responsible for supplying irrigation water to its shareholders for irrigation of 9,300 acres of agricultural lands, is also an active participant in the Alamosa River Instream Flow Project. The ISF Project is intended to restore flows and replace natural resources damaged by mining operations in the upper reaches of the Alamosa River. The Company relies on Terrace Reservoir to meet its irrigation demands throughout the later part of the irrigation season. The reservoir is currently under a restriction order from the SEO, reducing its available capacity by 2,000 AF. This project will replace the existing spillway and remove the SEO restriction order. Funding for this project includes grant money from WSRA (\$1,500,000) and the Summitville Natural Resource Damage (NRD) account (\$2,000,000). In return for NRD funding, the Company has agreed to donate 2,000 AF of storage in Terrace Reservoir towards instream flow storage to further the efforts of the ISF Project. Construction is expected to begin in summer/fall of 2012 and be completed by the end of 2013. **Update: ASI has been selected for construction which will occur in the summer/fall of 2012.**

**PROJECTS APPROVED BUT NOT UNDER CONTRACT**

**a. Southeastern Colorado Water Conservancy District – Arkansas Valley Conduit (NOT UNDER CONTRACT)**

Authorization: Severance Tax Fund  
 Water Source: Arkansas – Fry Ark Project  
 Terms of Loan: \$60,600,000@3.25% for 30 yrs.

County: Pueblo, Crowley, Otero, Bent  
 Project Yield: 6,555 AF  
 Project Type: Raw Water Pipeline

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. The District is proceeding with NEPA permitting efforts with Federal funding assistance.

**b. South Metro Water Supply Authority – Raw Water Delivery (NOT UNDER CONTRACT)**

Authorization: Construction Fund  
 Water Source: South Platte  
 Terms of Loan: \$5,090,400@4.50% for 30 yrs.

County: Adams/Denver/etc.  
 Project Yield: 10,750 acre-feet  
 Project Type: Raw Water Delivery

South Metro Water Supply Authority (Authority) is made up of 13 independent water providers that serve communities in the southern area of metro Denver. Currently, the Authority members rely mainly on groundwater aquifers to supply the area's M&I needs. Because this source is nonrenewable, members have been working to identify new supplies of water and opportunities to share resources and infrastructure to reduce dependence on groundwater. The Authority intends to acquire capacity in the East Cherry Creek Valley Water and Sanitation District (ECCV) Northern Supply Pipeline as a means to convey renewable water supplies, recapture consumable return flows, and increase operational flexibility. The Pipeline is a 48-inch steel pipe that runs from Barr Lake to ECCV's service area (located to the east of Cherry Creek Reservoir). The capacity is 47 mgd. The Pipeline is a regional transmission line and will deliver water both to storage reservoirs and directly to Authority members who will then deliver the water through their distribution systems. The Authority is acquiring a total of 31.98 mgd of excess capacity from ECCV. The four members seeking funding from the CWCB will be acquiring 6.55 mgd of this total capacity. Final purchase and operating agreements are still under negotiation.

**c. Lake Durango Water Authority – Source Water Supply Project (NOT UNDER CONTRACT)**

Authorization: Construction Fund  
 Water Source: Animas River via Lake Nighthorse  
 Terms of Loan: \$2,525,000 @ 4.0% for 30 yrs.

County: La Plata  
 Project Yield: 309 AF  
 Project Type: Water Rights/Infrastructure

The 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 was approved for a loan and grant from CWCBA to purchase 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. **The Authority continues contract negotiations with the La Plata West Water Auth. and the Tribes.**

**d. Lake Canal Company – North Gray Reservoir Rehabilitation Project (NOT UNDER CONTRACT)**

Authorization: Construction Fund

County: Larimer/Weld

Water Source: Box Elder Creek

Project Yield: 33 AF

Terms of Loan: \$116,265 @ 2.10% for 30 yrs.

Project Type: Reservoir Rehabilitation

The Reservoir Company plans to construct a new spillway on North Gray Reservoir. The reservoir is currently under a storage restriction by the Office of the State Engineer. The existing spillway is a corrugated metal pipe that has corroded through and will be removed/back filled. A new concrete cutoff wall and riprap lined channel will be constructed to replace the old spillway. Project design and SEO review is expected to be completed by July 2012. Construction is planned for September through November of 2012.

**e. Tri-County Water Conservancy District – Ridgway Reservoir Micro-Hydro (NOT UNDER CONTRACT)**

Authorization: Construction Fund

County: Uncompahgre River

Water Source: Cache la Poudre River

Project Annual Yield: 22,600 MW

Terms of Loan: \$9,090,000 @ 2.0% for 30 yrs.

Project Type: Hydroelectric

The District is building a 7MW hydroelectric power generating facility at Ridgway Reservoir. The project will be permitted through the “Lease of Power Purchase” process with the Bureau of Reclamation, allowing the incorporation of a hydropower facility into the existing outlet works of Ridgway Dam. The dam, constructed by the Bureau as part of the Dallas Creek Project, began storing waters of the Uncompahgre Basin in 1987. The District plans to sell power to the San Miguel Power Association/Tri-State Generation and Transmission and the City of Aspen/Municipal Energy Agency of Nebraska through a Power Purchase Agreement. Construction is scheduled to begin in the spring of 2012 and take approximately 2 years to complete, with energy production expected by spring 2014.

**f. Paradise Acres Homeowners Association – Dedicated Fill Pipe (TO BE DEAUTHORIZED)**

Authorization: Construction Fund

County: Huerfano

Water Source: Pass Creek

Project Yield: 5 acre-feet

Terms of Loan: \$62,721 @ 4.00% for 30 yrs.

Project Type: Pipeline Project

The Association is responsible for supplying the Paradise Acres subdivision with potable water. Paradise Acres is a 140-lot subdivision located 18 miles northwest of La Veta. The primary water supply for the community is from a groundwater (Houchin Well #3). The proposed 3,700 LF of 2” pipe will complete a direct fill line capable of transmitting raw water between the well and two storage tanks, isolating the raw water supply from the distribution network. Without the project the Association is unable to comply with a disinfection mandate from the CDPHE, subjecting the Association to fines and shut-down of their potable water distribution network, leaving the residences of Paradise Acres without water.

**g. Montezuma Valley Irrigation Company – Lone Pine & May Pipeline Improvements Project (NOT UNDER CONTRACT)**

Authorization: Construction Fund

Water Source: Dolores River

Terms of Loan: \$339,603 @ 2.75% for 30 yrs.

County: Montezuma

Project Yield: 136,039 AF

Project Type: System Rehabilitation

The Company, responsible for the delivery of irrigation water to a service area of over 30,000 acres, is planning on addressing issues that have become long-term maintenance concerns through this project including: trash and debris removal in delivery pipelines, pipeline pressure management, and water management issues. It is planning on installing screens on the Lone Pine and May pipelines; improving an existing pressure reducing valve on the Lone Pine pipeline; installing totalizing recording devices with solar panels at the delivery turnouts on the May pipeline; and implementing a new water accounting program for more accurate data collection on water deliveries. The Company is eligible to receive \$100,000 from the Bureau of Reclamation Water Conservation Field Services Program for the water accounting program. Update: Construction is expected to begin in spring/summer of 2012.

**h. City of Trinidad – North Lake Dam Rehabilitation Project (NOT UNDER CONTRACT)**

Authorization: Construction Fund

Water Source: North Fork of the Purgatoire

Terms of Loan: \$746,627 @ 2.50% for 10 yrs.

County: Las Animas

Project Yield: 650 AF (Recovered Storage)

Project Type: Reservoir Rehabilitation

The City of Trinidad plans on rehabilitating the dam at North Lake Reservoir which is located approximately 40 miles west of Trinidad and is the primary source of municipal water for the City. Because of safety concerns, the Office of the State Engineer imposed a restriction on the dam. To avoid further restrictions, the City intends to address the dam safety concerns by constructing a new stability berm and replacing the spillway. The total project cost is estimated to be \$1,848,086. The City is receiving \$739,235 in grant funds from the Water Supply Reserve Account. Update: Construction is expected to begin in summer/fall of 2012.

**i. McDonald Ditch Company – Project (NOT UNDER CONTRACT)**

Authorization: Construction Fund

Water Source: Rio Grande

Terms of Loan: \$ 70,700 @ 2.5% for 20 yrs.

County: Rio Grande

Project Yield: 5,018 AF

Project Type: Ditch Rehabilitation

The Company diverts water from the Rio Grande to supply shareholders with irrigation water. The existing diversion structure was constructed from concrete rubble, dirt, wooden debris, and an old bridge pier. The diversion is inefficient, aging, and functions poorly. The headgate consists of a rusted single slide gate that is set back from the river and uses a section of an old metal fence as a screening device. Sediment and debris are prone to build up around the gate, decreasing its efficiency while increasing maintenance costs. This project provides an environmentally sensitive solution for increasing the efficiency of the ditch with a less maintenance intensive diversion and headgate. Construction is scheduled to begin in November of 2012.

## COLORADO WATER CONSERVATION BOARD

## FINANCIAL ACTIVITY REPORT

FOR FISCAL YEAR 2012

## CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2011	\$ 1,561,271	\$ 1,000,359	\$ 2,561,630	\$ 18,981	\$ 2,542,649
August 2011	\$ 255,073	\$ 220,854	\$ 475,927	\$ 1,172,066	\$ (696,139)
September 2011	\$ 503,491	\$ 328,170	\$ 831,661	\$ -	\$ 831,661
October 2011	\$ 586,918	\$ 319,171	\$ 906,090	\$ 912,546	\$ (6,456)
November 2011	\$ 272,399	\$ 242,144	\$ 514,543	\$ -	\$ 514,543
December 2011	\$ 592,812	\$ 1,218,167	\$ 1,810,979	\$ 362,744	\$ 1,448,234
January 2012	\$ 99,637	\$ 43,595	\$ 143,231	\$ 376,407	\$ (233,176)
February 2012	\$ 199,127	\$ 158,039	\$ 357,165	\$ -	\$ 357,165
March 2012	\$ 10,239,871	\$ 589,485	\$ 10,829,356	\$ 641,999	\$ 10,187,357
April 2012	\$ 395,660	\$ 300,907	\$ 696,567	\$ 211,229	\$ 485,339
May 2012	\$ 706,359	\$ 3,480,852	\$ 4,187,211	\$ 1,360,345	\$ 2,826,866
June 2012	\$ 452,981	\$ 229,191	\$ 682,172	\$ 363,651	\$ 318,521
<b>FY 2012 Totals</b>	<b>\$ 15,865,599</b>	<b>\$ 8,130,933</b>	<b>\$ 23,996,532</b>	<b>\$ 5,419,967</b>	<b>\$ 18,576,565</b>

## SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2011	\$ 82,727	\$ 121,546	\$ 204,273	\$ 43,888	\$ 160,385
August 2011	\$ 164,379	\$ 85,011	\$ 249,391	\$ 14,144	\$ 235,247
September 2011	\$ 661,555	\$ 900,733	\$ 1,562,288	\$ 385,719	\$ 1,176,569
October 2011	\$ 352,032	\$ 322,801	\$ 674,833	\$ 2,517,487	\$ (1,842,654)
November 2011	\$ 90,580	\$ 78,726	\$ 169,306	\$ 62,193	\$ 107,113
December 2011	\$ 440,875	\$ 897,285	\$ 1,338,160	\$ 4,006,762	\$ (2,668,602)
January 2012	\$ 92,858	\$ 270,282	\$ 363,140	\$ 11,771	\$ 351,369
February 2012	\$ 878,480	\$ 460,459	\$ 1,338,940	\$ 5,173,886	\$ (3,834,946)
March 2012	\$ 13,761,917	\$ 180,849	\$ 13,942,766	\$ 1,954,233	\$ 11,988,533
April 2012	\$ 669,058	\$ 577,227	\$ 1,246,285	\$ 796,375	\$ 449,910
May 2012	\$ 787,996	\$ 581,480	\$ 1,369,476	\$ 948,486	\$ 420,990
June 2012	\$ 15,287,242	\$ 537,069	\$ 15,824,312	\$ 724,153	\$ 15,100,159
<b>FY 2012 Totals</b>	<b>\$ 33,269,699</b>	<b>\$ 5,013,470</b>	<b>\$ 38,283,169</b>	<b>\$ 16,639,096</b>	<b>\$ 21,644,073</b>
<b>GRAND TOTALS</b>	<b>\$ 49,135,299</b>	<b>\$ 13,144,403</b>	<b>\$ 62,279,701</b>	<b>\$ 22,059,063</b>	<b>\$ 40,220,638</b>

**July 17-18, 2012 Board Meeting  
Instream Flow and Natural Lake Level Program  
Summary of Resolved Opposition Cases**

The Board's ISF Rule 8i. states that:

“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 and authorized the Attorney General's Office to enter into stipulations that protect the CWCB's water right:

**(1) Case No. 6-05CW023 - Application of Deerwood Service Company, LLC**

The Board ratified this statement of opposition at its July 2005 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 right and plan for augmentation and exchange do not injure the Board's instream flow (ISF) water right on Trout Creek by an expansion of use, or 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 that involves “acceptance of injury ... with mitigation” for some of the depletions on a segment of Trout Creek. The injury with mitigation terms were accepted by the Board in September 2011. This stipulation includes protective terms and conditions to fully protect the Board's water rights for the remaining depletions resulting from this application.

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

<b>CWCB Case No.</b>	<b>Stream/Lake</b>	<b>Amount (cfs)</b>	<b>Approp. Date</b>	<b>Watershed</b>	<b>County</b>
6-77W1338	Trout Creek	5	09/23/77	Yampa River	Routt

The Applicant has agreed to the following terms and conditions:

- Plan for Augmentation: When a call is in effect on Trout Creek at or below the headgate for Trout Creek Ditch No. 2, Deerwood Service Company will release from its storage supplies water at a rate and in a quantity equal to the lesser of the amount of Deerwood's simultaneous actual diversions from the DP Wells No. 3 and 4 or the amount by which the calling right is short of its maximum allowable diversions. In addition to these releases, Deerwood will simultaneously release water in an amount equal to transit losses assessed by the Division Engineer.
- Injury with Mitigation Plan. At full build-out for the three subdivisions within the Deerwood Service Area, and with well diversions from DP Wells No.3 and 4 capped at the volumetric limits set forth in the decree, CWCB and Deerwood agree that depletions from the wells to Trout Creek above its confluence with Whetsone Creek will reach a maximum rate of 0.04 c.f.s. in July of any year, with a maximum monthly depletion of 2.39 acre-feet during that month. The potential injury resulting from the operation of Deerwood's wells will be approximately 0.8% of the 5 cfs Trout Creek ISF water right.



- The CWCB and Deerwood agree to allow Deerwood to complete the following Mitigation Project to offset the potential injury caused by Deerwood's out-of-priority depletions: Deerwood has identified two locations on Trout Creek the restoration of which would enhance the wildlife habitat and riparian nature of Trout Creek in the affected reach. Deerwood will install toe rock in the channel substrate, grade the banks, harvest site-specific woody shrubs and transplant them to the restored bank, and other activities, with the intent to deepen the channel and lower water temperatures for fish habitat as well as stabilize the creek bank for each of the sites. The Mitigation Project is described in more detail in Exhibit 5 to the Decree.
- Improvements. Deerwood agrees that it will complete construction of the mitigation measures by November 30, 2012. Specifically, Deerwood will construct two additional habitat structures within the stretch of Trout Creek affected by depletions from the operation of the Applicant's wells. The structures will be constructed for stream restoration and habitat purposes, and shall generally be designed to consolidate the banks of the creek, decrease the channel width-to-depth ratio, stabilize the banks and increase riparian vegetation and pool creation with the intent to lower temperature in the creek and enable an increased fishery carrying capacity. Until the above-described mitigation measures are in place and fully operational, Deerwood shall replace any out-of-priority depletions, in time, place and amount, to Trout Creek that would reduce flows in Trout Creek below the decreed ISF rate.
- Maintenance. Deerwood will commit to permanently maintaining the structures and improvements in Trout Creek that provide the mitigation benefits, and acknowledge that any injurious depletions to Trout Creek caused by operation of Deerwood's wells will cease in the event the mitigation structures and improvements in Trout Creek are not maintained.
- Additional Controls. Deerwood will coordinate with the Creek Ranch Owners Association to implement noxious weed control measures, and to ensure grazing practices in the pastureland protect the riparian habitat to a reasonable degree.
- Inspection access. Deerwood will allow access for the CWCB and the Division of Wildlife staff to inspect the mitigation structures, and, if necessary, to perform biological stream monitoring, subject to reasonable limits and provisions for advanced notice.
- Measuring devices. Deerwood agrees to install, replace and pay operation and maintenance costs of (or commit to pay operation and maintenance costs if the CWCB installs) any measuring devices deemed by the Division Engineer as necessary to administer the terms of the IWM Plan and the Decree.
- In support of Deerwood's Application and the Injury with Mitigation Plan, Creek Ranch Owners Association, owner of certain water rights that divert within the injury reach junior to the ISF water right and a member of Deerwood, has entered a Subordination Agreement and Covenant with the CWCB and has approved a Resolution in which Creek Ranch Owners Association has agreed not to exercise certain water rights in the injury reach at times when flows in the injury reach are below 5 c.f.s., unless such operation is pursuant to a decreed augmentation plan. The Agreement and Covenant are exhibits to the Stipulation.
- Consistent with the IWM Plan, the CWCB agrees that it will request that the Division Engineer administer any call for its ISF water right on Trout Creek to be based on gage location as follows: (1) CWCB may place a call for its water right from any gauge located either upstream or downstream of the "injury reach"; (2) If CWCB chooses to place a call from a gage within the "injury reach," the only water rights that will be curtailed are those filed for

with the Court after December 31, 2001. Further, the CWCB agrees that, in view of the specific facts and circumstances presented by this matter and the Injury with Mitigation Plan, any call for the ISF right based upon a gage located upstream of the "injury reach" shall only be administered as against water rights located upstream of the gage. The "injury reach" is defined as that reach between the location where Applicant's depletions impact the stream and the location where Applicant's replacement water accrues to Trout Creek (at the confluence with Whetstone Creek). So long as CWCB's ISF right is administered as provided in this paragraph, the IWM Plan will not interfere with the regular administration of CWCB's ISF water right or Applicant's water rights within the priority system.

- If, in the future, any court holds that administration of the IWM Plan results in a subordination of the CWCB's ISF water right to any water rights other than as provided in the forgoing paragraph, and if that holding becomes binding in this case, the Applicant must, at the CWCB's discretion: (1) provide replacement water to prevent injury to those rights so that no subordination of the ISF water rights occurs; or (2) provide additional mitigation adequate to enable the CWCB to preserve the natural environment to a reasonable degree with the subject ISF water right.
- Pursuant to §37-92-304(6), C.R.S., the Court shall retain continuing jurisdiction of this case on the question of injury to vested water rights or decreed conditional water rights of others until five years after Deerwood provides notice to the Division Engineer and the Objectors that the Deerwood Service Company has reached 75% of its maximum buildout. The Court shall retain jurisdiction to enforce the IWM Plan.

**(2) Case No. 4-09CW144 – Application of Energy Fuels Resources Corporation**

The Board ratified this statement of opposition at its May 2010 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 right on the Dolores River by not replacing out-of-priority depletions in proper time, place, or amount. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement that involves "acceptance of injury ... with mitigation" for some of the depletions on a segment of the Dolores River. The injury with mitigation (IWM) terms were accepted by the Board in November 2011. This stipulation includes protective terms and conditions to fully protect the Board's water rights for the remaining depletions resulting from the case.

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

<b>CWCB Case No.</b>	<b>Stream/Lake</b>	<b>Amount (cfs)</b>	<b>Approp. Date</b>	<b>Watershed</b>	<b>County</b>
7-75W1346	Dolores River	78	5/1/1975	Dolores	San Miguel, Montrose, Montezuma, Dolores

The Applicant has agreed to the following terms and conditions:

- CWCB's ISF water right is located partially in Division 4 and partially in Division 7, was decreed prior to the filing of the Application and is senior in priority to the water rights described in Paragraphs 3, 4 and 5 of the Decree. Those water rights could cause injury to the ISF right if they deplete the Dolores River during times when the ISF right is not satisfied. Pursuant to section 37-92-102(4)(a), C.R.S. (2011) and ISF Rule 8i.(3), the CWCB has considered this application and has reached an agreement with Applicant regarding an IWM Plan. The CWCB has found that the mitigation provided by the Applicant allows the CWCB to continue to preserve the natural environment to a reasonable degree despite the impacts

caused by the Applicant's operations. In accordance with the procedures and standards set forth in ISF Rule 8i.(3), CWCB agreed to accept the injury caused by Applicant's operations, subject to the following terms and conditions, which constitute Applicant's mitigation for the injury to the CWCB ISF Right:

- Applicant plans to install up to 7 wells for industrial uses with a maximum combined pumping rate of 175 gpm (0.39 cfs). Maximum total combined withdrawals from the wells shall not exceed 282 AF per year. Applicant has calculated a maximum groundwater depletion rate to the Dolores River from withdrawals from the wells of 101.7 acre feet per year, based upon a forty-year project life, the results of a Glover analysis and using assumptions published in a USGS basin report. Applicant also plans to intercept precipitation across a 240-acre zero discharge facility. However, the entire 240 acres will not be operating at any one time. Total precipitation captured by this area is 95 acre feet per year, based on average annual precipitation of 12.6 inches. Total depletions caused by the project could be as high as 11,470 acre feet, based on a forty-year project life. Of the total depletions, it is anticipated that only 58% of these depletions will be out-of-priority in relation to the ISF right. Total out-of-priority depletions are calculated to be 6,653 acre feet over more than 100 years. Applicant has proposed to replace 11,520 AF over the expected life of the project, which is 40 years. Thus, given the assumptions for out-of-priority depletions, the Applicant will over-replace out-of-priority depletions during the project life and under-replace after the project is closed and the site is reclaimed.
- Under the Applicant's mitigation proposal, the Applicant would purchase the mitigation water, including a sufficient amount to cover transit losses, which will be stored in McPhee Reservoir and made available to the CWCB in an amount of up to 288 AF per year. Water released from McPhee Reservoir, less transit loss, will be shepherded down the Dolores River by the Division Engineers through Division 7 and Division 4 to the U.S.G.S. "Dolores River at Bedrock, CO" river gage, Station No. 09169500 near the confluence with East Paradox Creek. The water will remain in the river and will benefit the environment from McPhee Reservoir downstream for approximately 100 miles during the expected 40-year life of the project.
- The Dolores Water Conservancy District (the "Dolores District") operates McPhee Reservoir. Applicant shall enter into one or more contracts (collectively, the "Dolores District Contract") with the Dolores District for the release of water from McPhee Reservoir to the Dolores River. Applicant shall keep CWCB advised regarding its negotiations with the Dolores District for the Dolores District Contract.
- CWCB shall be entitled to direct when releases of the McPhee Reservoir water shall be made, subject to coordination with, and the rules and regulations of, the Dolores District. Applicant shall seek to include a provision in the Dolores District Contract allowing CWCB to control the timing of releases of water available under that contract. If such a provision cannot be included in the Dolores District Contract, Applicant shall instruct the Dolores District that releases shall be made under the contract as directed by CWCB.
- No diversions shall be made from the Energy Fuels Wells, and no water shall be retained at the Energy Fuels Zero-Discharge Facilities, until Applicant and the Dolores District have executed the Dolores District Contract and 288 acre feet of water is available to be released under that contract.
- Applicant shall maintain the Dolores District Contract in full force and effect for the time period necessary to provide the releases. This obligation can be met by using one or more

long term contracts, a series of shorter term contracts, or any combination thereof, so long as the contracts provide continuous coverage of Applicant's obligations under the Decree. If the Applicant fails to maintain the Dolores District Contract in full force and effect, Applicant shall cease all diversions from the Energy Fuels Wells and shall not retain water at the Energy Fuels Zero-Discharge Facilities, until the Dolores District Contract is reinstated or a new contract, complying with the provisions of the Decree, is entered into.

- Releases of Zero-Discharge Facility Water and Well Replacement Water from McPhee Reservoir into the Dolores River shall be protected from diversion by intervening water rights from the outlet of McPhee Reservoir to the U.S.G.S. "Dolores River at Bedrock, CO" river gage, Station No. 09169500. Transit Loss Water shall be available to be released in order to allow the Zero-Discharge Facility Water and Well Replacement Water to be delivered to the end of the reach of the Dolores River described above. The releases of Zero-Discharge Facility Water and Well Replacement Water shall be protected and transit losses shall be calculated in the manner set forth in the Decree.
- Applicant shall install and pay the operation and maintenance costs of any measuring devices deemed necessary by the Division Engineers for Water Division 4 to administer the terms of this Decree.
- The water court will retain jurisdiction to enforce the terms and conditions of the injury with mitigation agreement as a water matter.

**(3) Case No. 4-03CW070 – Application of Riverland Lot Owners Association**

The Board ratified this statement of opposition at its July 2003 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 underground water right and plan for augmentation do not injure the Board's instream flow water rights on the Slate River by not replacing out-of-priority depletions in 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 that could have been injured by this application:

<b>CWCB Case No.</b>	<b>Stream/Lake</b>	<b>Amount (cfs)</b>	<b>Approp. Date</b>	<b>Watershed</b>	<b>County</b>
4-80CW092	Slate River	23/12	3/17/1980	Gunnison River	Gunnison

The Applicant has agreed to the following terms and conditions:

- Prior to the operation of the Riverland Industrial Well, pursuant to this augmentation plan, the Applicant shall modify well Permit 44665-F subject to and conditioned upon the ruling and findings herein.
- The Meridian Lake Decree provides that purchases of Augmentation Certificates entitle the owner to be included in the UGRWCD's plan for augmentation approved in that decree. Meridian Lake Decree ¶ 21. A Class D Certificate entitles the owner to the release of one base unit, which is 0.05 acre-feet. The Meridian Lake Decree recognizes that releases cannot be made to replace depletions to the ISF during certain months because of ice. That decree also implements a settlement reached between the UGRWCD and the CWCB for mitigation of injury to the ISF during the winter months. Paragraph 55 of the Meridian Lake Decree provides in pertinent part:

To mitigate injury to the CWCB instream flow water right decreed to the Affected Reach of the Slate River from out-of-priority depletions during the winter months by wells and other structures covered by this plan, the CWCB shall be entitled to request that the Division Engineer order releases from Meridian Lake Reservoir at any time during the period from October 1 through April 30 when conditions (or future improvements in technology) would permit the discharge from the reservoir to flow to a reach of the stream protected by said instream flow right, in the following amounts:

\* \* \*

d. For each Class D Augmentation Certificate issued by the District under this plan, the equivalent of the consumptive use of the diversions augmented by such certificate for ten days, calculated by dividing annual consumptive use by 365 and multiplying by ten (10). The amount of consumptive use thus determined shall be approved by the Division Engineer.

- Pursuant to paragraph 55.d. of the Meridian Lake Decree, Applicant's contribution to the Winter Mitigation Pool to the ISF for the period October 1 through April 30 are calculated by dividing the annual depletions by 365 and multiplying by 10. The Division Engineer shall make the foregoing calculation as required by paragraph 55.d. of the Meridian Lake Decree. Release of this water shall be at the direction of the Division Engineer and at the time or times requested by the CWCB. Meridian Lake Decree, ¶ 55.
- Whenever there is a valid enforceable call, depletions to the ISF will be replaced by releases from Meridian Lake pursuant to paragraph 60 d. of that decree by releasing the amount required by the Division Engineer, in increments of 0.05 acre-feet of water (one Base Unit) per year, on a case-by-case basis. In the event of a valid call by the ISF, the Division Engineer shall calculate the amount in acre-feet to be released by multiplying the number of days the call is in force by the monthly depletion factor in row 20 of Exhibit A and dividing by the number of days in the month. Transit loss will be assessed at the rate of 0.1 percent of reservoir releases for each mile pursuant to paragraph 46 of the Meridian Lake Decree based on an estimate of ten river miles from Meridian Lake outlet to the RIW point of impact. The amount calculated plus transit loss shall be rounded up to the nearest 0.05 acre-feet.
- This Court retains jurisdiction of this matter for reconsideration on the issue of injury to the vested rights of others, pursuant to § 37-92-304(6), C.R.S. (as amended). The period of retained jurisdiction shall be for a period of five years after full build-out.

#### **(4) Case No. 5-99CW196 – Application of Inn at the Fairways**

The new water owner in this case requested a modification to an existing stipulation with CWCB. The board stipulated in this case on June 23, 2003; a decree was entered on September 9, 2003. Division Engineer requested that the Windows, LLC, successor-in-interest to the Applicant in this case, pursue an alternative method for delivery of augmentation water to the Blue River to satisfy the conditions of the final decree. Staff, in cooperation with the Attorney General's Office, have negotiated a new settlement with The Windows, LLC to ensure that the CWCB's instream flow water right on the Blue River will not be injured.

The Applicant has agreed to the following terms and conditions:

- Paragraph 6(G) of the Final Decree provides that "at times the CWCB's instream flows in Case No. 86CW217 are not met, Applicant shall release to the stream at or upstream of the

Wells an amount of water sufficient to replace the gross depletions, less the historic use credits from the subject Wells...The Applicant will use water stored onsite or water pumped directly from the Wells, or some other source suitable to the CWCB to make this replacement."

- The Wells are located on the Subject Property directly in between the Blue River and the Swan River, a tributary to the Blue River. Windows originally intended to truck replacement water to the Blue River to satisfy the conditions of Paragraph 6(G) of the decree. However, the Division Engineer has requested Windows to find an alternative method of delivering augmentation water to the river to satisfy the conditions of the Final Decree.
- An alternative method for delivery of augmentation water is delivery via a pipeline extending from the Subject Property to the Swan River, tributary to the Blue River. Windows wishes to pursue this alternative method, which would entail installation of a pipeline extending from the Subject Property to a location along the Swan River at or upstream of the Wells. The location at which the water will be delivered to the Swan is at or above the point depicted on Figure 1 of the Decree.
- The stipulation confirms that CWCB consents to the alternative method of delivering augmentation water from the Subject Property via pipeline to the Swan River with a delivery point at or above the location depicted on Figure I of the Decree. Both parties agree that delivery of water via pipeline to the Swan River satisfies Windows' augmentation obligations to the CWCB, and that such replacements are sufficient to ensure protection of the CWCB's instream flow rights.

**(5) Case No. 4-10CW194 – Application of Montrose County, Town of Nucla and Town of Naturita**

The Board ratified this statement of opposition at its March 2011 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 right and appropriative right of exchange do not injure the Board's San Miguel Power Company Canal water right on the San Miguel River. The CWCB and Applicants are parties to a Memorandum of Understanding dated March 20, 1991 ("MOU") regarding several water rights that include the water rights that are the subject of this application. Those water rights also are the subject of Appendix VI to the Consent Decree entered by the U.S. District Court on April 13, 1988 in Case No. 83-CWCB-2384 ("Consent Decree"). CWCB needed to ensure that the proposed change of water rights and appropriative right of exchange claimed in the case were consistent with the terms of the MOU and Consent Decree. Upon motion by another opposer, the case was dismissed by the Division 4 Water Court on June 19, 2012.

WSRA COMPLETED PROJECTS

Updated 7/2/2012



ATTACHMENT 5										
Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water Activity	Number	Project Expiration Date	Final Date Closed
Arkansas	Southeastern Colorado Water Activity Enterprise	Arkansas Valley Conduit	Mar-07	\$0	\$200,000	\$200,000	Municipal & Industrial	C150406	6/30/11	11/24/10
Arkansas	Southeastern Colorado Water Conservancy District	Native Phreatophyte Trees 7 Mapping Project	Mar-07	\$0	\$50,000	\$50,000	Other	8000000005		6/30/09
Arkansas	El Paso County Water Authority	Upper Black Squirrel Creek Aquifer Recharge Investigation	Mar-07	\$45,200	\$0	\$45,200	Municipal & Industrial	8000000011		
Arkansas	El Paso County Water Authority	Ground Water Conference	Mar-07	\$24,721	\$0	\$24,721	Education	8000000010	10/10/07	6/30/09
Arkansas	Pueblo and El Paso Counties	Fountain Creek Vision Task Force	May-07	\$75,000	\$0	\$75,000	Needs Assessment	8000000084	6/30/09	6/30/09
Arkansas	Round Mountain Water and Sanitation District	Round Mountain Water & Sanitation District Water System Improvements Project	May-07	\$120,000	\$0	\$120,000	Municipal & Industrial	C150403	9/2/09	9/17/09
Arkansas	Lower Arkansas Valley Water Conservancy District	Rotational Land Following-Water Leasing Program -Lower Arkansas Super Ditch Company	Jan-08	\$150,000	\$0	\$150,000	Agricultural	C150425	6/30/10	5/15/10
Arkansas	Upper Big Sandy Ground Water Management District	Upper Big Sandy Water Balance	Jan-08	\$45,000	\$0	\$45,000	Needs Assessment	8000000100		5/8/09
Arkansas	Southeastern Colorado Water Conservancy District	Model Transfers- Agriculture to Urban, Arkansas Basin	Jan-08	\$23,860	\$0	\$23,860	Agricultural	8000000135		12/1/08
Arkansas	Greater Arkansas River Nature Association	Arkansas Headwaters Diversion Structure Improvement Project Arkansas River Basin	Mar-08	\$0	\$57,955	\$57,955	Nonconsumptive	9000000025		8/31/09
Arkansas	City of Las Animas	City of Las Animas Water System Improvements	Mar-08	\$100,000	\$200,000	\$300,000	Municipal & Industrial	C150424	12/31/09	9/23/09
Arkansas	Colorado State Parks	Colorado State Parks Zebra Mussel Response	Mar-08	\$0	\$1,000,000	\$1,000,000	Other	C150416	6/30/09	6/30/10
Arkansas	Upper Arkansas Water Conservancy District	Telemetry data collection platforms at six reservoirs plus flow control equipment & gauging at six reservoir outlet channels & nine streams with the Upper Ark River basin Stakeholder's Cooperative Management Analysis for the Upper Arkansas River Basin	Sep-08	\$75,000	\$210,332	\$285,332	Agricultural	C150439	12/31/11	9/7/11
Arkansas	Southeastern Colorado Water Conservancy District	Stakeholder's Cooperative Management Analysis for the Upper Arkansas River Basin	Jul-10	\$33,600	\$0	\$33,600	Nonconsumptive	11000000012	8/31/11	12/31/11
Arkansas	Fountain Creek Watershed Greenway and Flood Control District	Fountain Creek Fish Marking and Monitoring Study	Sep-10	\$7,000	\$28,000	\$35,000	Nonconsumptive	121BC000009	4/1/12	3/29/12
Arkansas Basin Total Request				\$699,381	\$1,746,287	\$2,445,668				
Number of Projects				15						
Arkansas/Metro	El Paso County Water Authority	Flaming Gorge Project Task Force Assessment	May-10	\$60,000	\$0	\$60,000	Other	11000000008	6/30/11	6/30/11
Arkansas/Metro Basin Total Request				\$60,000	\$0	\$60,000				
Number of Projects				1						
Colorado	Eagle Park Reservoir Company	Enlargement of Eagle Park Reservoir	Mar-07	\$0	\$250,000	\$250,000	Municipal & Industrial	C150401	12/31/09	12/17/09
Colorado	Ruedi Water and Power Authority	Roaring Fork Watershed Assessment	Mar-07	\$40,000	\$0	\$40,000	Nonconsumptive	8000000012		
Colorado	Colorado River Water Conservation District	Upper Colorado Endangered Fish Recovery Alternatives Analysis (10,825)	Mar-07	\$0	\$0	\$0	Other	C150404	6/30/08	
Colorado	Grand County	Vail Ditch Project	Mar-07	\$0	\$1,500,000	\$1,500,000	Agricultural	C150409	6/30/08	6/30/08
Colorado	Colorado River Water Conservation District	Upper Colorado Endangered Fish Recovery Alternatives Analysis (10,825)	Mar-07	\$0	\$200,000	\$200,000	Nonconsumptive	C150404	6/30/08	6/30/08
Colorado	Bull Creek Reservoir Canal and Power Co.	Bull Creek Reservoir No. 5 Spillway Adequacy Analysis	Sep-07	\$50,000	\$0	\$50,000	Agricultural	8000000039	6/30/10	2/25/09
Colorado	Summit County	Old Dillon Reservoir	Mar-08	\$100,000	\$0	\$100,000	Municipal & Industrial	9000000026	6/30/09	3/2/10
Colorado	Grand County	Fraser Sedimentation Basin	Mar-08	\$60,000	\$127,900	\$187,900	Nonconsumptive	C150449	6/30/12	12/28/11
Colorado	Grand County	Grand County Stream flow Management Plan	May-08	\$100,000	\$0	\$100,000	Nonconsumptive	C150461	6/30/11	12/16/10
Colorado	Ruedi Water and Power Authority	Roaring Fork Watershed Assessment -Phase 2	May-08	\$40,000	\$0	\$40,000	Nonconsumptive	9000000049	10/1/09	10/1/09
Colorado	West Divide WCD	Feasibility and design assessment of off-channel reservoir sites in the Crystal River water shed	Sep-08	\$40,000	\$0	\$40,000	Municipal & Industrial	9000000052	8/31/09	9/2/09
Colorado	Trout Unlimited Inc.	Battlement Reservoir #3 Dam reconstruction to enhance recreational & environmental opportunities	Sep-08	\$80,000	\$0	\$80,000	Nonconsumptive	121BC0000016	12/31/12	12/23/11
Colorado	Colorado Foundation for Water	Solicitation of Stakeholders input and advice through a	Sep-10	\$25,000	\$0	\$25,000	Education	11000000039	6/30/11	6/28/11

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Education		North Plate Basin education package		Basin Account Approved	Statewide Amount Approved	Total Request	Project Expiration Date	
North Plate Basin Total Request				\$637,040	\$96,000	\$733,040		
Number of Projects		6						
Rio Grande	El Paso County Water Authority	Alamosa River In-stream Flow Project	Mar-07	\$64,500	\$0	\$64,500	Nonconsumptive	7000000076
Rio Grande	San Luis Valley Irrigation District	Preliminary Design Multi-use Rio Grande Reservoir Rehabilitation and Enlargement	Mar-07	\$0	\$288,000	\$288,000	Agricultural	C150402
Rio Grande	Colorado Rio Grande Restoration Foundation	Rio Grande Basin Conservation Reserve Enhancement Program	May-07	\$36,750	\$0	\$36,750	Agricultural	8000000006
Rio Grande	San Luis Valley Resource Conservation and Development Council	Alamosa River Watershed Restoration Project	Sep-07	\$0	\$104,000	\$104,000	Other	C150419
Rio Grande	Romero Irrigation Company	Romero-Guadalupe Channel Rectification Project	Sep-07	\$83,700	\$0	\$83,700	Agricultural	8000000060
Rio Grande	Rio Grande Headwaters Land Trust	Rio Grande Initiative	Mar-08	\$200,000	\$1,300,000	\$1,500,000	Nonconsumptive	C150420
Rio Grande	Conejos Water Conservancy District	Platoro Reservoir Restoration	Sep-08	\$50,000	\$200,000	\$250,000	Agricultural	C150448
Rio Grande	Manassa Land and Irrigation Company	Conejos River and North Branch Diversion and Stabilization	Sep-08	\$50,000	\$333,700	\$383,700	Agricultural	C150446
Rio Grande	San Luis Valley Irrigation District	Rio Grande Reservoir Multi-Use Rehabilitation: Refinement and Enhancement of Reservoir Reoperation and Optimization Model	Nov-08	\$100,000	\$0	\$100,000	Agricultural	C150437A
Rio Grande	El Codo Ditch Company	San Antonio River - El Codo Ditch Diversion and Rehabilitation	May-09	\$65,000	\$0	\$65,000	Agricultural	1000000001
Rio Grande	Trinchera Irrigation Company	Sangre de Cristo Trinchera Diversion Canal Restoration	Sep-09	\$50,000	\$150,000	\$200,000	Agricultural	C150458
Rio Grande	Trinchera Irrigation Company	Shortfall Request - Sangre de Cristo Trinchera Diversion Canal Restoration	Jan-10	\$54,000	\$0	\$54,000	Agricultural	C150458
Rio Grande	Rio Grande Watershed Conservation and Education Initiative	Educating Today to Balance Tomorrow's Water Supplies & Needs	May-10	\$25,000	\$0	\$25,000	Education	11000000059
Rio Grande	San Luis Peoples Ditch Company	San Luis Peoples Ditch Upgrade and Rehabilitation Project - Phase I	May-10	\$40,000	\$0	\$40,000	Agricultural	11000000053
Rio Grande	Manassa Land and Irrigation Company	Conejos North Branch Water Conservation and Management	Jan-11	\$75,000	\$0	\$75,000	Agricultural	11000000109
Rio Grande	Co Rio Grande Restoration Foundation & McDonald Ditch Co	The McDonald Ditch and Plaza Project, Phase I Planning	Jan-11	\$40,000	\$0	\$40,000	Agricultural	11000000102
Rio Grande	Rio Grande Headwaters Land Trust	Rio Grande Initiative: North Rio Grande Ranch Conservation Easement	Mar-11	\$15,000	\$55,000	\$70,000	Nonconsumptive	C150489
Rio Grande	Sanchez Ditch & Reservoir Company	Sanchez Reservoir Rehabilitation - Phase I Assessment & Upgrade	Sep-11	\$10,000	\$85,000	\$95,000	Agricultural	121BC000013
Rio Grande Basin Total Request				\$958,950	\$2,515,700	\$3,474,650		
Number of Projects		18						
South Plate	The Greenway Foundation	Chatfield Reallocation EIS/FR (Metro BRT contributing \$103,000)	Mar-07	\$27,000	\$0	\$27,000	Municipal & Industrial	
South Plate	Clear Creek County	Clear Creek Water Banking/High Altitude Storage	May-07	\$52,000	\$0	\$52,000	Municipal & Industrial	C8000000037
South Plate	District 64 Reservoir Company	Ovid Reservoir Comprehensive Feasibility Study	Sep-07	\$176,000	\$0	\$176,000	Agricultural	C150417
South Plate	Ducks Unlimited, Inc.	Lower South Plate Wetland Initiative Phase I South Plate River, CO	Sep-07	\$0	\$278,476	\$278,476	Nonconsumptive	C150415
South Plate	Northern Colorado Water Conservancy District	Stage Discharge Data Loggers and Telemetry	Jan-08	\$48,800	\$0	\$48,800	Agricultural	80000000120
South Plate	City of Greeley	Halligan Seaman Water Mgmt project share vision planning model	Sep-08	\$25,435	\$76,305	\$101,740	Municipal & Industrial	C150436
South Plate	Ducks Unlimited, Inc.	Central South Plate Wetland Partnership	Mar-09	\$150,000	\$0	\$150,000	Nonconsumptive	C150454
South Plate Basin Total Request				\$479,235	\$354,781	\$834,016		
Number of Projects		7						
South Plate/Metro	Clear Creek County on behalf of Upper Mountain Counties Water Needs Consortium	Upper Mountain Counties Water Needs Assessment	May-08	\$174,350	\$0	\$174,350	Needs Assessment	C150429A
South Plate/Metro	Colorado Foundation for Water Education	Solicitation of Stakeholder Input through a South Plate Edition of Headwaters	Jul-08	\$32,038	\$0	\$32,038	Education	9000000019
South Plate/Metro	Lost Creek Groundwater Management District	Lost Creek Aquifer Recharge and Storage Study	Jan-09	\$240,000	\$0	\$240,000	Municipal & Industrial	C150447

South Platte/Metro Basin Total Request					Basin Account Approved Meeting	Statewide Amount Approved	Total Request	Project Expiration Date	
Number of Projects					3	\$446,388	\$0	\$446,388	
Southwest	San Juan Water Conservancy District	Dry Gulch Reservoir/San Juan Reservoir Land Acquisition	Mar-07	\$0	\$0	\$0	Municipal & Industrial	C150408	12/17/08
Southwest	Goodman Point Water Association	Goodman Point Water Association Pipeline Environmental Assessment	Mar-07	\$7,700	\$0	\$7,700	Municipal & Industrial	8000000075	7/31/09
Southwest	Mancos Water Conservancy District	Jackson Gulch Reservoir Expansion Project	Jul-07	\$80,000	\$0	\$80,000	Municipal & Industrial	8000000076	6/30/09
Southwest	Goodman Point Water Association	Goodman Point Phase 2	Sep-07	\$20,000	\$120,000	\$140,000	Municipal & Industrial	C150462	6/30/12
Southwest	Bauer Lake Water Company	Bauer Lakes Water Co. Dam Outlet Structure Upgrade	Mar-08	\$40,000	\$0	\$40,000	Agricultural	10000000084	12/31/11
Southwest	La Plata West Water Authority	La Plata West Rural Water Supply System	Mar-08	\$100,000	\$1,000,000	\$1,100,000	Municipal & Industrial	C150422	6/30/09
Southwest	Town of Sawpit	Town of Sawpit Engineering/Planning for Domestic Water System, Southwest Basin	Mar-08	\$25,000	\$0	\$25,000	Municipal & Industrial	9000000006	6/30/09
Southwest	Summit Reservoir and Irrigation Company	MVIC Summit Irrigation Company feasibility study	Sep-08	\$39,300	\$0	\$39,300	Agricultural	9000000085	8/31/10
Southwest	Happy Scenes	Water System Well, Treatment System and Distribution Upgrades	Nov-08	\$50,000	\$0	\$50,000	Municipal & Industrial	9000000127	6/30/10
Southwest	La Plata Archuleta Water District	Water System Master Planning	Nov-08	\$100,000	\$0	\$100,000	Municipal & Industrial	9000000112	12/31/09
Southwest	Town of Silverton	Molas Lake Ditch Rehabilitation and Diversion Structures	Jan-09	\$95,000	\$0	\$95,000	Municipal & Industrial	9000000143	12/31/11
Southwest	Lower Blanco Property Owners Association	Lower Blanco River Restoration Project	Mar-09	\$100,000	\$0	\$100,000	Nonconsumptive	C150450	6/30/10
Southwest	Florida Mesa Canal Companies (Florida Canal, Florida Farmers Ditch, Florida Enlargement Ditch, and the Florida Co-operative Ditch Company)	Ditch Loss, Hydropower, and Monitoring Improvement Program	Mar-09	\$100,000	\$0	\$100,000	Agricultural	9000000115	6/30/11
Southwest	Red Mesa Dam & Reservoir Company	Red Mesa Dam Incremental Damage Analysis (IDA) and Emergency Action Plan (EAP)	May-09	\$29,000	\$0	\$29,000	Agricultural	10000000061	6/30/12
Southwest	Park Ditch Company	Park Ditch Improvements	Jul-09	\$85,000	\$0	\$85,000	Agricultural	10000000011	6/30/11
Southwest	Lower Blanco Property Owners Association	Lower Blanco River Restoration Project	Sep-09	\$0	\$0	\$0	Needs Assessment	C150468	6/30/12
Southwest	San Juan Resources Conservation and Development - Animas Watershed Project	Animas River Needs Assessment	Sep-09	\$57,000	\$0	\$57,000	Needs Assessment	11000000028	4/28/11
Southwest	Mancos Water Conservancy District	Mancos River Diversion Project, Phase I	Nov-09	\$24,753	\$0	\$24,753	Nonconsumptive	10000000111	12/30/10
Southwest	Florida Mesa Canal Companies (Florida Canal, Florida Farmers Ditch, Florida Enlargement Ditch, and the Florida Co-operative Ditch Company)	Canal Seepage Reduction Project	Nov-09	\$225,000	\$1,000,000	\$1,225,000	Agricultural	C150463	6/30/11
Southwest	Town of Norwood	Raw Water System Update and Future Needs Study	Jan-10	\$58,458	\$0	\$58,458	Municipal & Industrial	10000000085	6/30/11
Southwest	Dolores Water Conservancy District	Totten Reservoir Hydrographic Survey	Nov-10	\$29,500	\$0	\$29,500	Agricultural	110000000114	12/31/11
Southwest	Animas La Plata Water Conservancy District	Recreational Plan for Lake Nighthorse	Nov-10	\$25,000	\$0	\$25,000	Nonconsumptive	12IBC000005	12/31/11
Southwest	La Plata River and Cherry Creek Ditch Company	La Plata Cherry Creek Ditch Headgate Improvement Project	Nov-10	\$25,000	\$0	\$25,000	Agricultural	12IBC000014	8/31/12
Southwest	Town of Rico	Town of Rico Alluvium Pipeline Water Supply Project - Well Drilling and Water Quality Testing	Mar-11	\$20,000	\$80,000	\$100,000	Municipal & Industrial	11000000122	6/30/12
Southwest Basin Total Request				\$1,335,711	\$2,200,000	\$3,535,711			
Number of Projects				24					
Yampa/White	Upper Yampa Water Conservancy District	Morrison Creek Reservoir Feasibility Study	Jul-07	\$49,500	\$0	\$49,500	Municipal & Industrial	8000000058	3/31/08
Yampa/White	Mofat County	Agricultural Water Needs Assessment	Jan-08	\$0	\$0	\$0	Needs Assessment	C150418	12/31/10
Yampa/White	City of Steamboat Springs and Rout County	Common Data Repository	Jan-08	\$106,600	\$0	\$106,600	Other	C150423	6/30/10
Yampa/White	Vermillion Ranch	Sparks Reservoir	Jul-08	\$16,000	\$0	\$16,000	Agricultural	9000000039	12/31/08
Yampa/White	Mofat County	Sandwash basin coalbed methane production depletive effects on water resources	Sep-08	\$20,000	\$98,835	\$118,835	Municipal & Industrial	C150435	6/30/11
Yampa/White	Colorado Foundation for Water Education	Headwaters Magazine - January 2010	Sep-09	\$20,000	\$0	\$20,000	Education	10000000050	6/30/10

## ATTACHMENT 5

Project Name	Project Description	Project Start Date	Project End Date	Project Status	Project Budget	Project Actuals	Project Variance	Project Comments
Yampa/White	Community Agriculture Alliance, Inc.	Development and Implementation of Water Forums, Workshop, and/or Tours	Sep-09	Jan-10	\$169,002	\$0	\$169,002	Nonconsumptive
Yampa/White	The Nature Conservancy of Colorado	Yampa White Basin Nonconsumptive Needs Assessment Watershed Flow Evaluation Tool			\$391,102	\$98,835	\$489,937	
Yampa/White Basin Total Request								
Number of Projects		8						

Yampa/White Basin Total Request	\$391,102	\$98,835	\$489,937
Number of Projects	8		

## WSRA Open Grant Projects - Board Approved - Not Yet Contracted

Updated 7/2/2012



Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water Activity	PM	Actions/Comments/Notes
<b>2012 May Board Approvals</b>									
Arkansas	El Paso County by its Board of County Commissioners	Groundwater Quality Study - Phase 2 - Upper Black Squirrel Creek Alluvial Aquifer in the Arkansas River Basin	May-12	\$35,000	\$0	\$35,000			
Colorado	Eagle River Watershed Council, Inc.	Colorado River Inventory & Assessment	May-12	\$30,000	\$0	\$30,000	Needs Assessment	Chris Sturm	
Gunnison	Delta Conservation District	North Fork of Gunnison Invasive Weed Removal	May-12	\$20,000	\$0	\$20,000		Todd Doherty	
North Platte	Jackson County Water Conservancy District	Structures for Water Control: Headgates and Diversion - Additional Funds Request	May-12	\$20,000	\$0	\$20,000		Greg Johnson	
<b>2012 March Board Approvals</b>									
Arkansas	City of Trinidad	North Lake Dam Rehabilitation Project	Mar-12	\$12,000	\$727,235	\$739,235	Municipal & Industrial	Anna Maus	
Rio Grande	Terrace Reservoir Irrigation Company, Inc.	Terrace Reservoir Spillway Replacement	Mar-12	\$75,000	\$1,425,000	\$1,500,000	Agricultural	Ryan Edwards	
<b>2012 January Board Approvals</b>									
Arkansas	Lower Arkansas Valley Water Conservancy District	Colorado Water 2012	Jan-12	\$6,255	\$0	\$6,255	Education	Jacob	
<b>2011 September Board Approvals</b>									
South Platte	Ducks Unlimited, Inc.	South Platte River Phreatophyte Control Pilot	Sep-11	\$35,000	\$30,000	\$65,000	Nonconsumptive	Todd Doherty	
Southwest	Lake Durango Water Authority	Lake Durango Water Authority/ Source Water Infrastructure	Sep-11	\$50,000	\$450,000	\$500,000	Municipal & Industrial	Greg Johnson	
Yampa/White	The Friends of the Yampa	Yampa River Structures Project	Sep-11	\$50,000	\$0	\$50,000	Nonconsumptive	Jacob	
<b>2011 July Board Approvals</b>									
Southwest	Pagosa Lake Property Owners Association	Pagosa Lakes Area Village Lake Dam Outlet Pipe Repair Project	Jul-11	\$0	\$0	\$0	Municipal & Industrial	Greg Johnson	
<b>2011 May Board Approvals</b>									
Colorado	Orchard Mesa Irrigation District	Canal #1 Check Structure Pilot Project at Dalton, Kieler & Springer Properties	May-11	\$0	\$0	\$0	Agricultural	Jacob	
<b>2011 March Board Approvals</b>									
Arkansas	Colorado State Parks	Helena Diversion Structure/BV Boat Chute Improvement Project	Mar-11	\$0	\$0	\$0	Nonconsumptive	Todd Doherty	
Gunnison	Grand Mesa Water Conservancy District, Water Enterprise Fund	The Rehabilitation of Blanche Park Reservoir	Mar-11	\$0	\$0	\$0	Agricultural	Todd Doherty	
South Platte/Metro	Colorado Division of Water Resources	Alluvial Aquifer Accretion/Depletion Analysis Tool	Mar-11	\$0	\$300,000	\$300,000	Other	Ray Alvarado	
<b>2010 November Board Approvals</b>									
Southwest	Aspen Springs Metro District	Aspen Springs Metro Water Filling Station	Nov-10	\$0	\$0	\$0	Municipal & Industrial	Greg Johnson	
<b>2010 July Board Approvals</b>									
South Platte	Northern Colorado Water Conservancy District	Data Logger and Telemetry Installation Project	Jul-10	\$46,000	\$0	\$46,000	Agricultural	Todd Doherty	
<b>2010 May Board Approvals</b>									
Gunnison	Lake San Cristobal Water Activity Enterprise (LSCWAC)	Lake San Cristobal Outlet Structure	May-10	\$150,000	\$0	\$150,000	Municipal & Industrial	Todd Doherty	
<b>2009 September Board Approvals</b>									
Rio Grande	CDPHE	Demonstration of membrane zero liquid discharge process for drinking water systems (\$50,000 Metro Basin Fund Contribution)	Sep-09	\$50,000	\$200,000	\$250,000		Eric Hecox	
<b>2009 July Board Approvals</b>									
Southwest	Town of Sawpit	Domestic Water System Construction	Jul-09	\$25,000	\$0	\$25,000	Municipal & Industrial	Greg Johnson	

## WSRA IN PROGRESS PROJECTS

Updated 7/2/2012



Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water	Number	Project End Date
Arkansas	Colorado State University	Geospatial decision support system for integrated water mgmt	Sep-08	\$100,000	\$500,000	\$600,000	NONE	C150441	6/30/13
Arkansas	Lower Arkansas Valley Water Conservancy District	John Martin Wetlands & Neenostie Reservoir Nonconsumptive Needs Quantification	May-09	\$148,975	\$0	\$148,975	Needs Assessment	C150457	6/30/12
Arkansas	Upper Arkansas Water Conservancy District	UAWCD Hydrologic Water Balance Study	Sep-09	\$0	\$180,000	\$180,000	Needs Assessment	C150460	6/30/13
Arkansas	City of Pueblo	Bedload/Sediment Collection and Removal Technology - Fountain Creek	Sep-09	\$75,000	\$150,000	\$225,000	Nonconsumptive	C150465	6/30/13
Arkansas	Colorado State University	Geospatial Decision Support System for Integrated Water Management in the Arkansas River Basin	Jul-10	\$100,000	\$500,000	\$600,000	Needs Assessment	C150441	6/30/13
Arkansas	Purgatoire River Water Conservancy District	Trinidad/Purgatoire River Reach 4 Demonstration Project	Jan-11	\$75,000	\$0	\$75,000	Nonconsumptive	11000000131	12/31/12
Arkansas	Southeastern Colorado Water Conservancy District	The use of excess storage capacity in Blue Mesa Reservoir to avoid or reduce the impact of a Colorado River Compact curtailment in Colorado	Mar-11	\$49,000	\$196,000	\$245,000	Municipal &	C150496	6/30/13
Arkansas	Colorado Foundation for Water Education	Raising Awareness in 2012: A Statewide Celebration of Colorado Water	Mar-11	\$0	\$30,515	\$30,515	Education	11000000113	12/31/12
Arkansas	Lower Arkansas Valley Water Conservancy District	Super Ditch Delivery Engineering	Mar-11	\$0	\$225,837	\$225,837	Agricultural	C150490	12/31/12
Arkansas	Sangre de Cristo RC&D Council Inc.	A Multi-Media Program for Reporting Crop and Turf Water Use Estimates from the Colorado Agricultural Meteorological Network (CoAgMet)	May-11	\$0	\$0	\$0	Agricultural	121BC000006	6/30/15
Arkansas Basin Total Request				\$547,975	\$1,782,352	\$2,330,327			
Number of Projects				10					
Arkansas/Colorado/Gunnison/North Platte/Rio Grande/Southwest/South Platte/Metro	Pikes Peak Regional Water Authority	Basin Roundtable Project Exploration Committee: Flaming Gorge	Sep-11	\$22,000	\$92,861	\$114,861	Other	121BC000012	12/31/12
Arkansas/Colorado/Gunnison/North Platte/Rio Grande/Southwest/South Platte/Metro Basin Total Request				\$22,000	\$92,861	\$114,861			
Number of Projects				1					
Arkansas/South Platte	Pikes Peak Regional Water Authority	Rotating Agricultural Following Public Policy Working Group	Jul-11	\$20,000	\$0	\$20,000	Agricultural	121BC000015	12/31/12
Arkansas/South Platte Basin Total Request				\$20,000	\$0	\$20,000			
Number of Projects				1					
Arkansas/South Platte/Metro	Water Environment Research Foundation	Demonstration of Membrane Zero Liquid Discharge Process for Drinking Water Systems	Sep-08	\$0	\$0	\$0		C150456	6/30/13
Arkansas/South Platte/Metro Basin Total Request				\$0	\$0	\$0			
Number of Projects				1					
Colorado	Basalt Water Conservancy District	Missouri Heights	Sep-07	\$25,000	\$0	\$25,000	Needs Assessment	8000000049	1/31/13
Colorado	Northwest Colorado Council of Governments	Colorado Basin Nonconsumptive Needs Quantification	Mar-09	\$315,171	\$0	\$315,171	Needs Assessment	C150451	6/30/12
Colorado	Town of Gypsum	L.E.D.E. Ditch and Reservoir Reconstruction	Sep-10	\$50,000	\$175,000	\$225,000	Municipal &	C150494	12/31/13
Colorado	Mesa Conservation District	Small Acreage Irrigation Audit Program	Mar-11	\$18,273	\$0	\$18,273	Agricultural	121BC000001	6/30/13
Colorado	Colorado Mesa University	Colorado Water 2012	Jan-12	\$29,700	\$0	\$29,700	Education	121BC000018	6/30/14
Colorado	Colorado State University	Investigation of Water Savings, Water Quality benefits and Profitability of Sub Surface Drip on Alfalfa in Grand Valley	Mar-12	\$46,894	\$0	\$46,894	Agricultural	121BC000019	4/30/16
Colorado	Blue River Watershed Group	Upper Swan River Restoration Project	Mar-12	\$30,000	\$0	\$30,000	Nonconsumptive	121BC000021	10/31/12
Colorado Basin Total Request				\$515,038	\$175,000	\$690,038			
Number of Projects				7					

ATTACHMENT 7

				Basin	Statewide	Total		Project Expiration
			CWCB	Account	Amount	Amount	Request	Date
			Meeting	Approved	Approved	Approved		
Gunnison	Upper Gunnison River Water Conservancy District (UGRWCD)	Blue Mesa Reservoir	Sep-07	\$24,500	\$98,000	\$122,500		C150497 6/30/13
Gunnison	North Fork Water Conservancy District (NFWCD) and Fire Mountain Canal and Reservoir Company (FMCC)	Sedimentation Management Study For Paonia Reservoir - North Fork of the Gunnison	Sep-07	\$79,000	\$230,000	\$309,000		C150414 2/28/13
Gunnison	Upper Gunnison River Water Conservancy District (UGRWCD) Gunnison County	Lake San Cristobal Outlet Structure Modification--Phase III	Sep-08	\$0	\$120,960	\$120,960	Municipal &	C150444A 6/30/11
Gunnison	Leroux Creek Water Users Association (LCWUA)	75 Ditch Diversion Improvement and Feature Enhancements	May-10	\$46,100	\$0	\$46,100	Nonconsumptive	12BIC000002 6/30/15
Gunnison	Gunnison Gorge Anglers - Trout Unlimited	Hanson Reservoir Outlet Rehabilitation	Jul-10	\$0	\$0	\$0	Agricultural	110000000068 6/30/13
Gunnison	Colorado State University	Relief Ditch Diversion Dam Design	May-11	\$20,650	\$0	\$20,650	Agricultural	12BIC0000004 6/30/12
Gunnison	Grand Mesa Reservoir Company	Agricultural Weather Data Delivery Improvements to Uncompangne Valley Irrigators	Sep-11	\$77,000	\$35,000	\$112,000	Agricultural	C150499 12/31/14
Gunnison	Colorado Mesa University	Lining Outlet for Grand Mesa Reservoir #6	Nov-11	\$19,840	\$0	\$19,840	Agricultural	12BIC0000022 12/31/12
Gunnison	North Delta Irrigation Company	Gunnison Basin Roundtable Education Program	Mar-12	\$19,750	\$0	\$19,750	Education	12BIC0000020 6/30/14
Gunnison		Tunnel Reconstruction Project	Mar-12	\$40,000	\$370,000	\$410,000	Agricultural	C150478 4/1/13
Gunnison Basin Total Request				\$326,840	\$853,960	\$1,180,800		
Number of Projects				10				
Metro	WaterReuse Foundation	Demo of membrane zero liquid discharge process for drinking water systems (\$50,000 Metro Basin Fund Contribution)	Sep-08	\$50,000	\$233,333	\$283,333	Municipal &	C150456 6/30/13
Metro	South Metro Water Supply Authority	Aquifer Recharge Pilot Study	Sep-09	\$0	\$425,000	\$425,000	Municipal &	C150474 6/30/13
Metro	Douglas County Water Resource Authority	Feasibility Study for Bureau of Reclamation Funding from the National Rural Water Supply Act	Sep-09	\$100,000	\$500,000	\$600,000	Municipal &	C150470 6/30/13
Metro	South Metro Water Supply Authority	Aquifer Recharge Pilot Study	Sep-10	\$0	\$125,000	\$125,000	Municipal &	C150474 6/30/13
Metro	Douglas County Water Resource Authority	Rotary Sprinkler Nozzle Retrofit	Sep-10	\$0	\$250,000	\$250,000	Municipal &	C150471 6/30/13
Metro	Rural Water Authority of Douglas County	Rural Douglas County groundwater-level monitoring network	Sep-10	\$28,263	\$84,792	\$113,055	Municipal &	C150473 6/30/13
Metro Basin Total Request				\$178,263	\$1,618,125	\$1,796,388		
Number of Projects				6				
North Plate	USFS	Effects of Mtn pine beetle and forest mgmt on water quantity, quality, and forest recovery N.P. and Upper CO River basins	Sep-08	\$212,306	\$164,618	\$376,923	Other	C150440 6/30/13
North Plate	Colorado Climate Center--CSU	Monitoring the effects of weather conditions on the evapotranspiration in N.P. Basin	Sep-08	\$50,409	\$50,409	\$100,818	Agricultural	C150438 6/30/14
North Plate	Ducks Unlimited, Inc.	North Park Irrigated Meadow Conservation Program - Phase I	May-10	\$20,000	\$0	\$20,000	Nonconsumptive	100000000126 6/30/12
North Plate	Jackson County Water Conservancy District	Structures for Water Control: Headgates and Diversion	Sep-11	\$128,828	\$0	\$128,828	Agricultural	C150488 12/31/12
North Plate Basin Total Request				\$411,543	\$215,027	\$626,569		
Number of Projects				4				
Rio Grande	Santa Maria Reservoir Company	Santa Maria and Continental Reservoirs: Rehabilitation and Multiple Use Studies	Sep-08	\$72,000	\$141,700	\$213,700	Agricultural	C150443 6/30/12
Rio Grande	Colorado Rio Grande Restoration Foundation	2008 Rio Grande Riparian Stabilization Project	Sep-08	\$35,000	\$250,000	\$285,000	Nonconsumptive	C150452 12/31/12
Rio Grande	Colorado Mesa University	DELETE THIS RECORD	Sep-09	\$0	\$0	\$0	Education	12BIC0000018 12/31/14
Rio Grande	Lower Willow Creek Restoration Company	Lower Willow Creek Restoration Project	Sep-09	\$50,000	\$200,000	\$250,000	Nonconsumptive	C150467 12/31/14
Rio Grande	Colorado Rio Grande Restoration Foundation	Rio Grande Conservation Reserve Enhancement Program (CREP) Phase II - Implementation	Sep-09	\$31,500	\$0	\$31,500	Agricultural	100000000056 12/31/12
Rio Grande	Colorado Rio Grande Restoration Foundation	2009 Rio Grande Riparian Stabilization Project - Phase 4	May-10	\$50,000	\$0	\$50,000	Nonconsumptive	C150486 12/31/14
Rio Grande	Santa Maria Reservoir Company	Santa Maria & Continental Reservoirs: Priority Studies to Restore Capacity	May-11	\$22,000	\$0	\$22,000	Agricultural	C150443A 6/30/12
Rio Grande	Conejos Water Conservancy District	Platoro Reservoir Crest of Dam Repair	Sep-11	\$15,000	\$135,000	\$150,000	Agricultural	C150495 12/31/12

					Basin	Statewide	Total		Project Expiration
					CWCB Meeting Approved	Account Approved	Request		Date
Rio Grande	Colorado Rio Grande Restoration Foundation	McDonald Ditch - Plaza Project - Phase 2	Sep-11	\$20,000	\$275,000	\$295,000	Nonconsumptive	C150492	3/31/15
Rio Grande	Rio Grande Watershed Conservation and Education Initiative	Water 2012: The Rio Grande Basin Partnering for Colorado's Water Future	Nov-11	\$15,600	\$0	\$15,600	Education	12IBC000017	12/31/12
Rio Grande	Conejos Water Conservancy District	Conejos River System Gauging Stations Project	Mar-12	\$20,000	\$387,280	\$407,280	Agricultural	C150501	6/30/14
Rio Grande Basin Total Request					\$331,100	\$1,388,980	\$1,720,080		
Number of Projects					11				
South Plate	Ducks Unlimited, Inc.	Weld County School Dist RE1 Wetland Partnership	Jul-08	\$42,110	\$0	\$42,110	Nonconsumptive	9000000063	8/31/12
South Plate	Ducks Unlimited, Inc.	S.P. Water protection and restoration	Sep-08	\$0	\$825,552	\$825,552	Nonconsumptive	C150432	6/30/13
South Plate	The Nature Conservancy of Colorado	Artikaree River Wall retirement program, Republican River basin, CO.	Sep-08	\$19,984	\$79,936	\$99,920	Agricultural	9000000084	3/29/14
South Plate	Fort Morgan Reservoir and Irrigation Company (FMRIco)	FMRIco Recharge & Wetlands Project	Sep-09	\$250,000	\$420,000	\$670,000	Agricultural	C150464	6/30/12
South Plate	Colorado Climate Center--CSU	Colorado Agricultural Meteorological Network (CoAgMet)	Jul-10	\$20,000	\$0	\$20,000	Agricultural	11000000079	6/30/12
South Plate	Lower South Plate Water Conservancy District	Lower South Plate Water Cooperative Organizational Analysis	Sep-10	\$60,977	\$200,000	\$260,977	Agricultural	C150476	6/30/13
South Plate	Ducks Unlimited, Inc.	Development of Decision Support Model for Identifying & Ranking Waterfow and Wildlife Related Recharge Projs along the South Platte River	Sep-10	\$0	\$85,421	\$85,421	Nonconsumptive	OE12IBC000023	6/30/13
South Platte Basin Total Request					\$393,071	\$1,610,909	\$2,003,980		
Number of Projects					7				
South Platte/Metro	The Greenway Foundation	South Platte River Recreation and Habitat Improvement Preliminary Design	Sep-11	\$75,000	\$300,000	\$375,000	Nonconsumptive	C150493	6/28/13
South Platte/Metro Basin Total Request					\$75,000	\$300,000	\$375,000		
Number of Projects					1				
Southwest	La Plata Archuleta Water District	La Plata Archuleta Water District Permitting	Sep-09	\$0	\$400,000	\$400,000	Municipal &	C150459	6/30/13
Southwest	Mancos Valley Resources Inc.	Protecting Irrigated Agricultural Lands and Water Rights for Agricultural Production	Nov-09	\$31,500	\$0	\$31,500	Agricultural	100000000125	6/30/12
Southwest	Florida Mesa Canal Companies (Florida Canal, Florida Farmers Ditch, Florida Enlargement Ditch, and the Florida Co-operative Ditch Company)	Canal Seepage Reduction Program	Sep-10	\$0	\$775,000	\$775,000	Agricultural	C150475	6/30/13
Southwest	San Juan Citizens Alliance	A Way Forward: The Dolores River Below McPhee Reservoir	Nov-10	\$25,000	\$0	\$25,000	Nonconsumptive	12IBC0000011	12/31/12
Southwest	Montezuma Valley Irrigation Company	Improvement Project for Groundhog Reservoir/Regulate Release	Mar-11	\$35,000	\$0	\$35,000	Agricultural	12IBC0000003	6/30/12
Southwest	La Plata Water Conservancy District	La Plata River Water Resources Operations Model	Mar-11	\$0	\$148,823	\$148,823	Agricultural	C150477	1/31/13
Southwest	Montezuma Valley Irrigation Company	Groundhog Reservoir Bathymetric Survey	Mar-11	\$0	\$0	\$0	Agricultural	12IBC0000003	6/30/12
Southwest Basin Total Request					\$91,500	\$1,323,823	\$1,415,323		
Number of Projects					7				
Yampa/White	Town of Yampa	Town of Yampa Water Facilities Plan and storage tank upgrades	Sep-08	\$61,062	\$0	\$61,062	Municipal &	9000000090	6/30/13
Yampa/White	Bear River Reservoir Company	Stillwater Reservoir Seepage Project	Sep-09	\$189,000	\$0	\$189,000	Agricultural	C150469	6/30/12
Yampa/White	Yellow Jacket Water Conservancy District	Yellow Jacket Water Storage Feasibility Study	Jan-10	\$220,800	\$0	\$220,800	Agricultural	C150472	6/30/13
Yampa/White	Colorado Climate Center--CSU	Improvement of Lysimeter Operations and Consumptive Use Quantification in High-Altitude, Irrigated Meadows in the Yampa /White Basin	Sep-10	\$10,000	\$10,978	\$20,978	Agricultural	11000000058	6/30/15
Yampa/White	The Upper Walker Ditch Company/Walker Ditch Company	Yampa River/Walker Ditch River Restoration Project	Mar-11	\$20,000	\$20,000	\$40,000	Agricultural	12IBC0000010	6/30/13
Yampa/White	Moffat County	Yampa-White Basin Projects and Methods Analysis	Mar-11	\$0	\$0	\$0	Other	C150481	12/31/12
Yampa/White Basin Total Request					\$500,862	\$30,978	\$531,840		
Number of Projects					6				