



COLORADO WATER CONSERVATION BOARD

DIRECTOR'S REPORT

JANUARY 2012

STATE OF COLORADO

Colorado Water Conservation Board

Department of Natural Resources

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MEMORANDUM

TO: Colorado Water Conservation Board

FROM: Jennifer Gimbel
Brent Newman
CWCB Staff

DATE: January 23-24, 2012

SUBJECT: **Agenda Item 6d**, January 2012 CWCB Board Meeting Director's Report

John W. Hickenlooper
Governor

Mike King
DNR Executive Director

Jennifer L. Gimbel
CWCB Director

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~INTERSTATE AND FEDERAL~

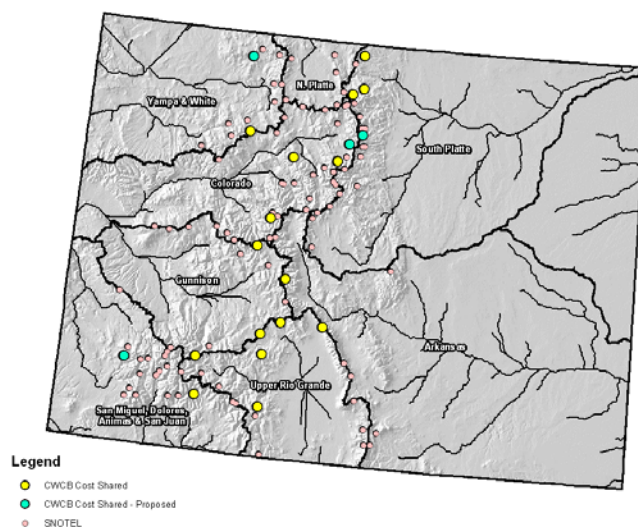
U.S.-MEXICO BI-NATIONAL NEGOTIATIONS CONTINUE: The principals for the Colorado River Basin States continue to work with U.S. and Mexican federal officials and other stakeholders to explore opportunities to improve water management in a way that could benefit both countries. We will update the Board at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

~STATEWIDE~

DROUGHT UPDATE: Drought conditions in southeastern Colorado have eased significantly with recent winter precipitation, however, severe drought conditions (D2) continue and the drought plan remains activated at this time. Abnormally dry conditions (D0) have also developed in the northern Colorado mountains and along the Continental Divide within Grand and Summit counties. We will continue to monitor these conditions closely. *(Taryn Hutchins-Cabibi)*

GROUND WATER COMMISSION MEETING: The Ground Water Commission (GWC) held its quarterly meeting on November 18, 2011, in Castle Rock, CO. The agenda items included routine reports and a follow-up presentation by Michael Shimmin on proposed legislation granting Ground Water Management Districts (GWMD) enforcement authority and the ability to impose fines. The Ground Water Commission will hold its next meeting on February 17, 2012 in Denver, CO. For more information visit: <http://water.state.co.us/groundwater/CGWC/Pages/default.aspx>. *(Suzanne Sellers)*

NRCS SNOTEL SITES FINAL REPORT: Attached to the director's report as Attachment 3 is a final report from the NRCS Snow Survey Program for the 16 newly installed SNOTEL sites (yellow circles) and four sites (green circles) yet to be installed. In 2004, the CWCB started making grants to local agencies for half of the equipment costs for NRCS automated snow measurement stations, upon which the local agencies entered into contracts with the NRCS to purchase the equipment. The USFS permitting and annual O&M costs were the responsibility of the NRCS. Mike Gillespie, supervisor of the NRCS Snow Survey Program for Colorado, retired after 34 years of federal service. Mr. Gillespie was the lead presenter at the Governor's Water Availability and Flood Task Force meetings regarding snowpack and streamflow outlooks. The NRCS Snow Survey program has exceeded their guidance for SNOTEL sites they can maintain in this region with their existing field staff. The CWCB SNOTEL site grant program is on hold indefinitely and will be resumed when appropriate. *(Joe Busto)*



CENTER FOR SNOW AND AVALANCHE STUDIES IN JEOPARDY: A recent memo by Chris Landry emailed to stakeholders from the Center for Snow and Avalanche Studies presented a plea for a local, state, and federal collaboration to sustain the research conducted by CSAS. According to the memo, “Given the absence of federal agency grant programs (including NSF) or private foundations that will fund long-term mountain system monitoring (the equivalent of general operations funding in our case), we have proposed to our federal agency stakeholders that one or several of them provide sustained annual funding totaling \$100,000 per year, to contract with CSAS to operate Senator Beck Basin, conduct 24/7/365 mountain system monitoring, and provide those data to their agencies. Because there are no grant programs calling for such a proposal, and because the SBBSA product is such a unique “deliverable”, there may be a need to enable non-compete awards of discretionary funds that sole source the CSAS for these services. Again, in the absence of commitments of this level of stakeholder funding in the near term, the board of directors has determined that CSAS is not viable, as an organization, and anticipates terminating SBBSA operations and staff in summer 2012.” A link to the Landry request and dire need for CSAS funding is at <http://snowstudies.org/funding/> (Joe Busto)

~COLORADO RIVER BASIN~

GLEN CANYON TECHNICAL WORK GROUP (TWG) AND ADAPTIVE MANAGEMENT WORK GROUP (AMWG) MEETINGS: The Technical Work Group Winter annual reporting and TWG meeting is scheduled to occur on January 31-February 2, 2012 in Phoenix, AZ. The agenda for these meetings includes: 1) development of the bi-annual budget and workplan; 2) development of the 2012 proposed Hydrograph; 3) review of the five year plan for Humpback Chub; and 4) finalization of the Desired Future Conditions (DFC) recommendations. On December, 11, 2011, two environmental assessments were released; analyzing the effects of the proposed high-flow experimental releases from Glen Canyon Dam, and proposing to conduct research, monitoring, and specific actions to control non-native fish downstream from Glen Canyon Dam. These documents and other related items are available at <http://www.usbr.gov/uc/rm/amp/amwg/mtgs/12feb22/index.html>. (Ted Kowalski)

LTEMP SCOPING COMMENTS: As reported before, the U.S. National Park Service and the U.S. Bureau of Reclamation have provided notice to solicit comments and hold public scoping meetings on the adoption of a Long Term Experimental and Management Plan for the Operation of Glen Canyon Dam (“LTEMP”). The CWCB, on behalf of the State of Colorado, will be submitting a scoping letter along with the other Colorado River Basin states. We will provide a copy of the final scoping letter to the Board in a subsequent Director’s Report. The Attorney General’s Office and the Staff will discuss the draft scoping letter with the CWCB at the upcoming Board meeting. In addition, the Upper Colorado River Commission will be seeking cooperative agency status for this process. For more information, visit: <http://ltempeis.anl.gov/index.cfm>. (Ted Kowalski)

UPPER COLORADO RIVER COMMISSION (UCRC) WINTER MEETING: The UCRC met in Las Vegas, NV on December 14, 2011 in conjunction with the Colorado River Water Users Association annual meeting. The Commission received briefings from: 1) the U.S. Bureau of Reclamation; 2) the U.S. Fish and Wildlife Service; 3) the U.S. National Park Service; 4) Western Area Power Administration; and, 5) Assistant Secretary for Water and Science, Anne Castle. The next meeting will be held in May 2012, hosted by Utah. They intend to hold this

meeting near Page, Arizona so that the Commission and their support staff can see Glen Canyon Dam and some of the resources in the area. *(Ted Kowalski)*

COLORADO RIVER WATER USERS' ASSOCIATION (CRWUA) ANNUAL

MEETING: The annual meeting of CRWUA was informative, interesting, and well attended, as usual. Key speakers included Commissioner Connor, Assistant Secretary Anne Castle, and Secretary Salazar (by video). The next CRWUA meeting is scheduled for December 12-14, 2012. *(Ted Kowalski)*

LORRI GRAY-LEE LEAVES LOWER COLORADO REGION OF BOR: Lorri Gray-Lee has announced that she will be moving to Boise, ID to become the Regional Director for the Pacific-Northwest Region, starting on January 1, 2012. While we will miss her leadership in the Lower Colorado Region, we look forward to continue working with Terry Fulp, who was named the acting Regional Director. A press release from the Bureau is included, as Attachment 1. *(Ted Kowalski)*

COLORADO RIVER WATER AVAILABILITY STUDY (CRWAS): The model and reporting refinements are currently being finalized. The Draft Final Executive Summary and report will be presented to the Board at the March Board meeting. This draft final report will be incorporating all the written comments received under the public review process as well as from numerous outreach meetings workshops held with the Basin Roundtable in 2011. The public data viewer will be made available as soon as the draft final report is completed. *(Ray Alvarado)*

CDSS WEBSITE ACTIVITY: Since the launch date for the new CDSS website in September, 2011, the site has been visited over 73,000 times. The average time spent at the site was approximately 1:08 minutes with the top pages accessed being, Water Rights, Water Court Documents, Structures/Diversions and Call Chronology. The highest traffic originated in the US, 86% (68% from Colorado, 12% from California and 5% from Washington). China accounted for 7% of the traffic. *(Ray Alvarado)*

SECRETARY OF THE INTERIOR APPROVES 2012 ANNUAL OPERATING PLAN

(AOP): On December 14, 2011, Secretary of the Interior approved the 2012 Annual Operating Plan for Colorado River Reservoirs. This was the conclusion of the 2012 AOP Process. The Upper Colorado Region will have the lead for development of the 2013 AOP. The 2012 AOP can be downloaded at: <http://www.usbr.gov/lc/region/g4000/aop/AOP12.pdf>. *(Brent Newman)*

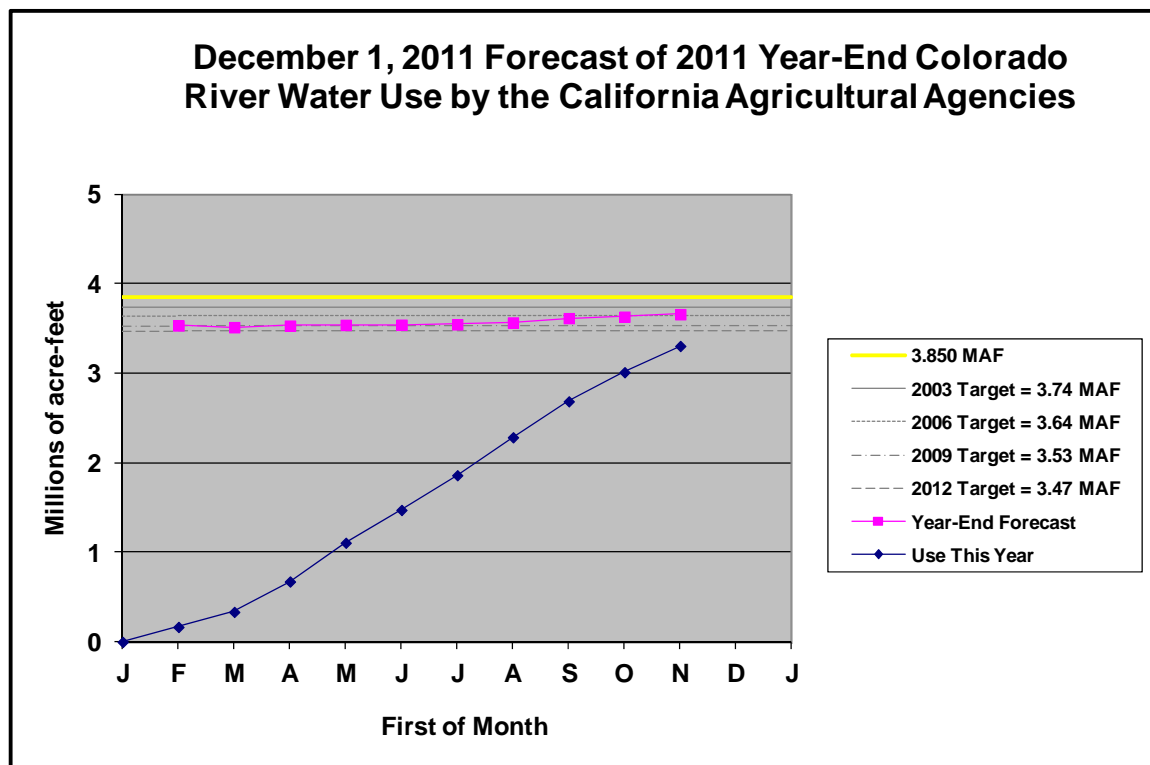
UPPER COLORADO STAKEHOLDER GROUP UPDATE: On September 16, 2011, the Bureau of Land Management (BLM) issued their Colorado River Valley Draft Resource Management Plan (DRMP)/Draft Environmental Impact Statement (DEIS) and the Kremmling DRMP/DEIS. The preferred alternative for each document is Alternative B. Alternative B is further divided into two options; B1 and B2. Between the two documents, Alternative B1 would find four Colorado River segments suitable while Alternative B2 would defer Wild and Scenic River suitability determination, and adopt and implement the Stakeholder Group's proposed Management Plan. Under either Alternative B1 or B2, two segments of Deep Creek would be found suitable. Comments on the Colorado River Valley DRMP/DEIS and the Kremmling DRMP/DEIS are both due January 17, 2012. For more information or electronic copies of these documents, see the following links:

http://www.blm.gov/co/st/en/BLM_Programs/land_use_planning/rmp/kfo-gsfo/crv.html and http://www.blm.gov/co/st/en/BLM_Programs/land_use_planning/rmp/kfo-gsfo/kremmling.html

The Staff of the CWCB has reviewed the documents and we anticipate submitting comments to assure that the documents are accurate and consistent with State law. Any comments that the CWCB staff would submit will be developed in cooperation with the Department of Natural Resources, the Division of Water Resources, and Colorado Parks and Wildlife. (*Suzanne Sellers*)

COLORADO RIVER WATER USE: As of October 31, 2011, storage in the major Upper Basin reservoirs decreased by 439,400 acre-feet and storage in the Lower Basin reservoirs increased by 288,100 acre-feet during October 2011. Total system active storage as of November 1 was 38.527 million acre-feet (MAF), or 65 percent of capacity, which is 5.748 MAF more than one year ago. (Upper Basin reservoirs increased by 2.288 MAF, and Lower Basin reservoirs increased by 3.460 MAF.)

The preliminary year-end estimate for 2011 California agricultural consumptive use of Colorado River water under the first three priorities and the sixth priority of the 1931 *California Seven Party Agreement* is 3.631 MAF. The target under the Interim Surplus Guidelines (ISG) for 2009 was 3.530 MAF, and the target for 2012 is 3.470 MAF. (*Andy Moore*)



~ARKANSAS RIVER BASIN~

BUREAU OF RECLAMATION CONTINUES TO EXPLORE CRITERIA FOR MARKET RATE PRICING FOR EXCESS CAPACITY CONTRACTS FOR THE FRYINGPAN-ARKANSAS PROJECT: In September, I informed the Board about an August 10, 2011 meeting that the Bureau of Reclamation held to collect information and ideas about the proper criteria related to excess capacity contracts. The Bureau of Reclamation suggested that this work may result in a Temporary Directive and Standard for the Bureau of Reclamation, and

it could have west-wide implications, despite the fact that it is limited to excess capacity contracts for the Fry-Ark project at first. On September 30, 2011, I submitted a comment letter, attached to the November Director's Report, about this process and the CWCB's desire to continue to provide meaningful input into this process. Recently, the BOR stated that they would look to follow-up on this process with a meeting in February or March of 2012. I will keep the Board informed as this process unfolds. *(Ted Kowalski)*

ARKANSAS RIVER DECISION SUPPORT SYSTEM (ARKDSS): The final ArkDSS feasibility report is now available online at <http://cwcb.state.co.us/water-management/basinroundtables/Pages/ArkansasBasinRoundtable.aspx>. This report outlines the various level of implementation of a DSS within the Arkansas River Basin and the costs associated at those levels. *(Ray Alvarado)*

~PLATTE RIVER BASIN~

PLATTE RIVER RECOVERY PROGRAM: The Platte River Recovery Implementation Program ("Program") Governance Committee held a teleconference on November 18, 2011 and a meeting on December 6-7, 2011 in Denver, CO. The primary agenda items were discussion and approval of the Executive Director's contract and the FY11 Master Plan and Budget. Other agenda items included water quality monitoring and geomorphology & vegetation monitoring requests for proposals (RFPs); an agreement with Rainwater Basin Joint Venture for habitat availability analysis; and approval of various stages of land acquisition transactions. Ms. Sellers also participated in Water Advisory Committee, Technical Advisory Committee, Land Advisory Committee, Finance Committee and Independent Scientific Advisory Committee conference calls and meetings. The next Governance Committee meeting will be held on March 13-14, 2012 in Kearney, NE. For more information, please visit: <http://www.platteriverprogram.org/Pages/default.aspx>. *(Suzanne Sellers)*

SOUTH PLATTE DECISION SUPPORT SYSTEM (SPDSS): The USGS Professional Paper 1770 titled "Groundwater Availability of the Denver Basin Aquifer System, Colorado", has finally been released and can be downloaded using this link, <http://pubs.usgs.gov/pp/1770/>. This work was done with the cooperation of the CWCB as part of SPDSS. The modeling input and output files will also be made available at this same site in the near future. *(Ray Alvarado)*

~SAN JUAN/SAN MIGUEL-DOLORES RIVER BASIN~

RIVER PROTECTION WORKGROUP: The Animas River Protection Workgroup (RPW) workgroup held meetings on November 17 and December 15, 2011 in Silverton, CO and its next meeting is scheduled for January 30, 2012 at a location to be announced. Presentations on various river and stream protection tools were given including a presentation on the CWCB's Instream Flow Program by Linda Bassi. The workgroup began an in-depth review of its first segment of the Animas River from Baker's Bridge to Silverton.

The Piedra River RPW workgroup held a meeting on December 6, 2011 in Pagosa Springs, CO and its next meeting is scheduled for January 17, 2012 at the same location. During this meeting, a review of the RPW wild and scenic river process and the purpose and the intent of the work group were discussed. Also during this meeting, the values of the group were discussed as well as basin specific information with regard to the Piedra River drainage.

Representatives from the RPW will be providing the CWCB with an update on RPW activities on January 24, 2012 at the CWCB's regular board meeting.

For more information, see the following link: <http://ocs.fortlewis.edu/riverprotection>. (Suzanne Sellers)

~AGENCY UPDATES~

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. CWCB staff is pleased to have the most recent grant application to be for drought planning.

One new grant application has been received and is being considered and reviewed:

- Mount Werner Water & Steamboat Springs – Rebate program

No grants have been approved since the last Board meeting:

Two Water Efficiency Grants were completed. Deliverables to the CWCB is as follows:

- City of Dacono Water Conservation Plan – *Plan approved*
- Town of Firestone Drought Management Plan – *submitted 25% Progress Report*
- Town of Firestone Rebate Program – *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:

- **City of Arvada** –CWCB staff has been informed that comments were received and they will contact staff when the city is in a position to move forward on the plan.
- **City of Broomfield** – CWCB staff reviewed plan on September 9, 2011 and sent comments to Broomfield. Resubmission pending.
- **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 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. Resubmission pending.
- **Douglas County Government** – CWCB staff has also completed the review of the regional plan. Acceptance is pending.
- **Little Thompson Water District** – CWCB staff reviewed the District's revisions in late November and sent comments to the District on December 6, 2011. Resubmission pending.
- **Town of Frederick** – CWCB Staff reviewed the plan on October 17 and sent comments to the Town on November 2, 2011. Resubmission pending.

- **Donala Water & Sanitation District** – CWCB received the Plan on October 28, 2011. The Plan is under review.
- **South Adams County Water & Sanitation District** – CWCB received the Plan on November 3, 2011. The Plan is under review.

Since the last Board Meeting, the following Plans have been approved:

- City of Durango
- Town of Superior
- City of Dacono (*Ben Wade*)

GOVERNOR’S WATER AVAILABILITY TASK FORCE: The next Water Availability Task Force Meeting is scheduled for January 18, 2012 from 9:30-11:30am at Colorado Water Congress, 1580 Logan Street, Denver, CO in the Conference 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*)

WATER CONSERVATION LEVELS ANALYSIS PHASE II UPDATE: Tracy Bouvette presented some findings from the report to the WCTAG in September. The WCTAG responded favorably to the presentation of material and had a very good discussion on several areas of the report. The report has been delayed but will be finalized in early 2012. (*Kevin Reidy*)

PUBLIC AWARENESS RESEARCH PROJECT UPDATE: GBSM, the consultant retained by the CWCB to evaluate the feasibility of the state conducting a public awareness research project, completed their evaluation and report titled, “Colorado’s Water Future: A Communications Roadmap for Enhancing the Value of Water”. The goal of the Roadmap is to raise awareness among all Coloradans of the value and importance of water. After a meeting of the DNR leadership, including Mike King, John Stulp, and Jennifer Gimbel, to discuss the role of the state in a statewide campaign to raise awareness among Colorado constituents, the decision was made to move forward on the first phase of the research project. This phase includes a comprehensive statewide survey of Coloradoans as well as well placed focused groups around the state. The research accomplished by these activities would be conducted to gain a better understanding of the perspectives, knowledge, and level of awareness of Coloradoans on water and water issues in the state. CWCB staff is working with the assistance of GBSM to complete a Request for Proposals process in order to procure the services of an appropriate consultant to conduct the first phase of the project. (*Veva Deheza*)

2012 DROUGHT CONFERENCE: CWCB will host a two day drought conference in the fall of 2012 which will focus on drought planning and preparedness as well as the latest in drought science. More information on dates will be forthcoming. (*Taryn Hutchins-Cabibi*)

WATER CONSERVATION GUIDANCE DOCUMENT: The CWCB is revising the guidance documents for water conservation plans. A working group was selected from existing covered entities based on geographic and customer base diversity to assist in the development of the new water conservation planning documents. Since the last CWCB Board meeting in November, CWCB staff has been revising the draft version of the document. CWCB staff will bring it to the Water Conservation Technical Advisory Group in January for a final review and then to the CWCB Board in March with a public review period scheduled to begin in March after the Board meeting. (*Kevin Reidy*)

PUBLICATION OF REPORT ON ECONOMIC BENEFITS OF INSTREAM FLOWS AND THE RECOVERY PROGRAM:

The CWCB staff has published the report by John Loomis and Jeff Ballweber of Colorado State University entitled “Cost Savings Associated with the Upper Colorado River Basin Endangered Fish Recovery Program, Instream Flows, and Prospects for the Future.” Staff presented the draft report to the Board in July 2010. The report was finalized on November 15, 2010 and is posted on the CWCB website at <http://cwcb.state.co.us/public-information/publications/Pages/StudiesReports.aspx> under “Instream Flow Related Reports”. Hard copies of the published report will be available upon request at this CWCB meeting. To request a hard copy of the published report after the meeting, contact Rob Viehl at rob.viehl@state.co.us. (Linda Bassi)

SNOW COVERED AREA ARCHIVE PROJECT COMPLETED: Using \$83,793 in Severance Tax funds, the CWCB contracted with Riverside Technologies for a project entitled, “Using Snow Covered Area to Improve Snow Modeling and Water Supply Forecasts”. The idea came from the Portland NRCS and was coordinated with the NWS Arkansas, Colorado, Missouri, and West Gulf River Basin Forecast Centers. RTi compiled and organized two data sets to make them specific for use in Colorado and in the forecast regions of the various agencies. The two data sets were SNODAS data from 2003 to 2011 and the Moderate Resolution Imagine Spectroradiometer (MODIS) Terra Snow Cover daily dataset from 2000 to 2011. The agencies are now responsible for acquiring the future datasets in real time as needed to expand the snow covered area data archive and to support forecast operations. The two historical datasets are intended to be used by the agencies for developing relationships with the SNOW-17 (current NWS operational snowpack model) model states, enhancing water supply statistical models, and evaluating historical forecast improvements to inform future operations. Several published papers have stated that these datasets have the potential to improve both short-term deterministic forecasts and well as long term probabilistic forecasts. Attached to the Director’s Report as Attachments 4 and 5 are two letters from the Portland NRCS and the Colorado Basin River Forecast Center thanking the CWCB for their involvement. The report is at <http://cwcbweblink.state.co.us/WebLink/0/doc/156001/Electronic.aspx?searchid=a34cde4c-3de0-4959-b5ac-f0b13c1a8d18>. (Michelle Garrison & Joe Busto)

CWCB WEATHER MODIFICATION PROGRAM EXPENDITURES: The CWCB has three rounds of weather modification funding to contract for this winter. These include \$175,000 in Colorado River carry-over funds from winter 2010-11, \$175,000 in the new CWCB Construction Fund appropriation, and \$140,500 in new winter 2011-12 Colorado River funds. Timing issues with Lower Basin funding were resolved after several years and as a result, last water year’s funding was rolled forwarded into this current Water Year. To date the funds have been spent as follows: \$47,500 (P.O. 12-23) to Gunnison County, \$80,000 (P.O. 12-35) to Grand River Consulting (the fiscal agent for the Front Range Water Council and four ski areas), \$32,680 (P.O. 12-41) to the Water Enhancement Authority for the Grand Mesa, \$60,000 to extend operations by Western Weather Consultants for the three southwestern Colorado programs, and \$59,539 (P.O.12-22) to Desert Research Institute (DRI) to target the Winter Park Ski Area with two remote generators. Task Order proposals to San Juan Resource Conservation & Development Council (SJRCDC) for cloud seeding for \$44,941.99 for four new generators and \$92,616 for seeding solution are in place. To summarize, \$490,500 funding was available, \$380,100 is under contract and \$84,000 is still yet to be contracted for as part of WY2013

deliverables to the Lower Basin. Beyond that, an additional \$25,900 remains in place for uses that are as of yet unidentified. The CWCB awaits proposals from consultants for \$54,000 to refurbish a DRI remote operated generator for use on the Grand Mesa, and \$30,000 for DRI to deploy a cloud seeding specific weather station at Vail Ski Area. (*Joe Busto*)

COMMUNITY ASSISTANCE PROGRAM UPDATES: The latest edition of the Watershed and Flood Protection Section's *Floodstage* newsletter was produced at the end of November. The newsletter highlights several CWCB products, including the new State Model Flood Damage Prevention Ordinance and the Flood DSS. *Floodstage* was distributed to the local Floodplain Administrators throughout the state using a new email list that was created to communicate information to local officials. *Floodstage* can be found on the CWCB website at http://cwcb.state.co.us/water-management/flood/Documents/Floodstage_Nov2011.pdf (*Jamie Prochno*)

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
1-11CW193	John Zimmerman	Bear Creek/ 1-90CW260	15 cfs (summer) 7 cfs (winter)	0.0013 % 0.0015 %	0.2020 % 0.3422%	39
1-11CW193	John Zimmerman	Bear Creek/ 1-90CW259	10 cfs (summer) 5 cfs (winter)	0.0020 % 0.0021 %	0.1796 % 0.3023 %	30
1-11CW193	John Zimmerman	Bear Creek/ 1-90CW258	10 cfs (summer) 5 cfs (winter)	0.0020 % 0.0021 %	0.1183 % 0.0758 %	17
2-94CW005	David & Ashley Blazer	Cottonwood Creek/ 2-79CW115	20 cfs (summer) 20 cfs (winter)	0.0040 % 0.0022 %	0.6444 % 0.3082 %	149
4-11CW114	Telluride Regional Airport Authority	San Miguel River/ 4-84CW427	6.5 cfs (summer) 20 cfs (winter)	0.0154 % 0.0200 %	0.0154 % 0.0200 %	0
4-11CW114	Telluride Regional Airport Authority	San Miguel River/ 4-05CW154	6.5 cfs (summer)	0.0250 %	0.0250 %	0

ISF WORKSHOP: The CWCB's annual Instream Flow Workshop will be held on the afternoon of February 22, 2012 in Denver at the REI Flagship Store. In addition to an overview of the Instream Flow ("ISF") Program and the new appropriation process, the workshop will be expanded to include: (1) an update on the SWSI 2010 Nonconsumptive Needs Assessment; (2) a discussion of the potential synergy between stream restoration projects and ISF appropriations and acquisitions; (3) an update on the Basin Roundtables' implementation projects to meet

nonconsumptive needs; and (4) an opportunity for Basin Roundtable representatives to discuss potential partnerships on nonconsumptive needs projects with representatives of two of the entities that recommend ISFs to the CWCB -- Colorado Division of Parks and Wildlife and the BLM. The CWCB staff anticipates that this workshop will spark some discussion and ideas on coordinating on projects to meet nonconsumptive needs identified by the Roundtables. (*Rob Viehl*)

RECENTLY DECREED ISF WATER RIGHTS: On November 15, 2011, the Division 4 Water Court decreed an instream flow water right to the CWCB on Cebolla Creek in Case No. 10CW182 for 26.0 cfs (April 1 – September 30), 22.0 cfs (October 1 – November 15) and 13.5 cfs (November 16 – March 31) with an appropriation date of January 26, 2010. The upstream terminus is the confluence with Spring Creek and the lower terminus is the Powderhorn USGS gage. This ISF reach is approximately 10.7 miles long and flows in a northerly direction in Hinsdale County.

On November 15, 2011, the Division 4 Water Court decreed an instream flow water right to the CWCB on Cebolla Creek in Case No. 10CW183 for 23.0 cfs (May 1 – September 30), 12.5 cfs (October 1 – November 15), 7.5 cfs (November 16 – March 31) and 7.5 cfs (April 1 – April 30) with an appropriation date of January 26, 2010. The upstream terminus is the confluence with Brush Creek and the lower terminus is the confluence with Spring Creek. This ISF reach is approximately 10.1 miles long and flows in a northeasterly direction in Hinsdale County.

On December 6, 2011, the Division 4 Water Court decreed an instream flow water right to the CWCB on East Beaver Creek in Case No. 10CW189 for 5.8 cfs (April 1 – July 31), 3.7 cfs (August 1 – October 31) and 2.4 cfs (November 1 – March 31) with an appropriation date of January 26, 2010. The upstream terminus is the headwaters and the lower terminus is the confluence with South Beaver Creek. This ISF reach is approximately 6.26 miles long and flows in a northwesterly direction in Saguache County. (*Rob Viehl*)

UPDATE ON WGA/WSWC REPORT ON INNOVATIVE WATER TRANSFERS: CWCB Staff has been assisting and participating in a year-long project lead by the Western Governors' Association and the Western States Water Council to identify ways to allow for water-sharing among urban, environmental, and agricultural uses while minimizing impacts on rural communities. The project, with support from the Walton Family Foundation, aims to determine how market transfers of water rights can be done with minimal impact on agricultural economies, rural communities and environmental values. This effort stems from a policy adopted by the WGA in 2008 (WGA Policy 11-7) which states: "Western Governors recognize the potential benefits of market-based water transfers, and that the predominant water use in the West is agriculture, but they are concerned about maintaining the important cultural, economic, and environmental benefits of agricultural lands and food production. Western Governors believe states should identify and promote innovative ways to allow water transfers from agricultural to other uses (including urban, energy and environmental) while avoiding or mitigating damages to agricultural economies and communities." This policy also directs the WGA staff to conduct a study of water transfers in the Western United States with a focus on developing a tool box of institutional and management strategies that states can employ as appropriate.

To accomplish this directive, the WGA and the WSWC will prepare a report on innovative water transfer strategies to be presented to the WGWC members in the summer of 2012 and the Governors in the fall of 2012. As part of the project, WGA and the WSCC have hosted a series of workshops to gain input from stakeholders. These workshops have been held in Bend, OR, Denver, CO and Las Vegas, Nevada and have drawn on the expertise of state water resources administrators, local irrigation district managers, scholars, environmental groups, and water users.

Topics that have been discussed at the workshops include: history and background in water transfers, states' activities with transfers, case studies, issues associated with transfers (e.g. high transaction costs, water rights administration issues and institutional barriers), impacts to areas of origin, Bureau of Reclamation's policies on transfers and the use of private equity for financing infrastructure.

In addition to the workshops, the WSWC/WGA have asked the participating western states to complete a comprehensive survey describing the water transfer activities occurring within their state. The information from the surveys will be summarized and included in the report.

A draft report will be presented to the WSWC members at their June 2012 meeting and then presented to the WGA's 2012 Winter Meeting. The report will include a toolbox of strategies, options for new programs and administrative practices, and policy recommendations for Governors and water managers to consider. (*Todd Doherty*)

LOAN REPAYMENT DELINQUENCY: Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2011 through December 2011. The effective due date of the payment is inclusive of the Board's current 30 day late policy. Hence, the date the payment was received was compared to the last day allowable prior to the payment being considered late.

Repayments due for the first six months of Fiscal Year 2012 totaled 148. There were two 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 is less than 30 days late but has not been received to date. The loan payment due in June 2011 for the Coon Creek Reservoir and Ditch Company had been received in November 2011 and has been paid in full. The loan payment due in June 2011 for the Town of Starkville 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 (3) the Pinon Mesa Ranches Community Association's loan is in default and has been referred to the State's Central Collections Services for disposition of the remaining balance. (*Steve Biondo*)

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 \$9.9 M for this period. Funds disbursed relative to new project loans totaled \$9.1 M for this period. Net activity resulted in \$0.8 M received by

the CWCBC 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 \$6.8 M in receivables and \$2.2 M in disbursements for a total net activity of \$4.6 M received over disbursed. The STTFPBA consists of \$3.1 M in receivables and \$6.9 M in disbursements for a total net activity of \$3.8 M disbursed over received. (*Steve Biondo*)

CWCB PROVIDES COMMENTS ON NOTICE OF PRELIMINARY PERMIT

APPLICATION: On December 19, 2011, the CWCBC sent a comment letter to the Federal Energy Regulatory Commission (FERC) regarding a preliminary permit application for the Regional Water Supply Project (RWSP). The letter is enclosed, as Attachment 9. (*Brent Newman*)

SWSI 2010 WORK PLAN: In January 2011 the Board finalized SWSI 2010 by approving the full report along with its 16 recommendations (Section 8). Leading up to finalizing SWSI 2010 the Board held a series of workshops to examine each of the 16 recommendations in detail. The Board was unable to finalize the additional detail with each of the 16 recommendations and consequently decided to publish only the main 16 recommendations in SWSI 2010. However, the Board directed staff to refine the detail they helped develop for the 16 recommendations in the form of a SWSI 2010 Work Plan. The goal of the Work Plan is to identify specific work items to pursue over the next 6 years. Staff from all sections of CWCBC have been working together to refine a draft of the work plan. Staff will circulate a draft work plan to Board members in February and anticipates presenting a draft SWSI 2010 Work Plan for Board discussion at the March 2012 board meeting. (*Eric Hecox & Greg Johnson*)

~ATTACHMENTS~

- 01 Bureau of Reclamation Press Release Regarding Lorri Gray-Lee
- 02 Finance Section – Design and Construction Status Report
- 03 NCRS SNOTEL Sites Final Report
- 04 Letter from NOAA Regarding Snow Covered Area Archive Project
- 05 Letter from NRCS Regarding Snow Covered Area Archive Project
- 06 Finance Section – Financial Activity Report
- 07 Finance Section – Prequalification Project List Update
- 08 Instream Flow and Natural Lake Level Program – Summary of Resolved Cases
- 09 CWCB Comment Letter Regarding Preliminary Permit Application
- 10 WSRA Balance Summary – December 31, 2011
- 11 WSRA Open Grant Projects – Board Approved – Not Yet Contracted
- 12 WSRA In Progress Projects
- 13 WSRA Completed Projects

Commissioner's Office
Washington, D.C.

Media Contact: Peter Soeth
303-445-3615 (office), 303-910-7473 (cell)

Released On: October 14, 2011

Lorri Gray-Lee Named Regional Director for Reclamation's Pacific Northwest Region

Gray-Lee will succeed Karl Wirkus when he retires in December

Bureau of Reclamation Commissioner Michael L. Connor has announced that Lorri Gray-Lee will succeed Karl Wirkus as the Pacific Northwest Regional Director when he retires at the end of December. In January, Gray-Lee will move to the Pacific Northwest Region after serving the last four years as the Lower Colorado Region Regional Director.

"Lorri brings a history of developing partnerships through collaboration with regional, local and international parties on a variety of issues that will benefit Reclamation and the numerous stakeholders in the northwest," said Commissioner Connor. "I would like to thank Deputy Commissioner David Murillo and Lorri for developing a solution that will allow for the seamless transition of the Pacific Northwest Regional Director position."

Gray-Lee has over 28 years of federal service, all with Reclamation's Lower Colorado Region. She was named Regional Director in 2007 where she oversaw all Reclamation operations in southern Nevada, southern California, most of Arizona and small portions of Utah and New Mexico.

The region serves as the Water Master of the 700 miles of lower Colorado River below Lees Ferry in northern Arizona to the Mexican border on behalf of the Secretary of the Interior. The region also oversees the operation and management of Hoover, Davis and Parker Dams and numerous other facilities.

Prior to being named as Regional Director, Gray-Lee was the Program Manager for the Lower Colorado River Multi-Species Program where she was responsible for implementing the program on the lower Colorado River. She has also served as a Deputy Regional Director for five years and spent two years working in the Commissioner's Office in Washington, D.C.

Gray-Lee has received numerous awards during her career, including the Superior Service Award and Meritorious Service Award, two of the Department of the Interior's highest for career employees. In 2007, she was recognized by the Arizona Department of Game and Fish as Conservationist of the Year for her work in building partnerships and collaboration. She has a Bachelor of Science degree in business administration from the University of Phoenix.

A native of southwestern Colorado, she and her family enjoy the great outdoors.

Terry Fulp will be the acting Regional Director in the Lower Colorado Region beginning in January. Fulp currently serves as the Deputy Regional Director in the Lower Colorado Region.

STATE OF COLORADO

Colorado Water Conservation Board
Department of Natural Resources

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TO: Colorado Water Conservation Board Members

FROM: Kirk Russell, P.E. Design & Construction Manager
 Finance Section

DATE: January 4, 2012

SUBJECT: **Directors Report – January 23/24, 2012 Board Meeting**
Finance Section – Design & Construction Status Report

John W. Hickenlooper
 Governor

Mike King
 DNR Executive Director

Jennifer L. Gimbel
 CWCB Director

The CWCB Loan Program has Substantially Completed twelve projects in Calendar Year 2011 as shown in Table 1. There are currently 50 projects authorized to receive loan funding totaling \$234 million. There are 36 projects currently under contract and in the Design and Construction phase totaling \$146 million.

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

TABLE 1

	Borrower	Project	County	Loan	Completed
1	Raymond Dairy, Incorporated	Ditch Reconstruction	Mesa	\$63,950	2/1/11
2	Bijou Irrigation District	Empire Reservoir Rehab	Morgan	\$2,408,850	3/1/11(a)
3	Orphan Wells of Wiggins	Well Augmentation	Morgan	\$1,037,700	3/1/11
4	Stagestop Owners Assoc	Reservoirs Rehab	Park	\$192,708	4/1/11(b)
5	Las Animas Consolidated Canal Co	Diversion Structure Rehab	Bent	\$77,265	6/1/11
6	Consolidated Extension Canal Co	Diversion Structure Rehab	Bent	\$180,285	6/1/11
7	Trinchera Irrigation Co	Ditch Piping	Costilla	\$251,793	6/1/11
8	North Sterling Irrigation Dist	Reservoir Rehab	Logan	\$1,094,840	6/1/11
9	WRCC, Inc.	Cobb Lake Inlet Rehab	Larimer	\$1,352,592	7/1/11
10	Grand River Ditch Co	Ditch Piping	Garfield	\$543,380	7/1/11
11	Bull Creek Reservoir Co	#4 Reservoir Rehab	Mesa	\$1,801,630	9/1/11(c)
12	Lower Poudre Augmentation Co	Harmony 25 Reservoir	Larimer	\$3,104,053	11/1/11
		Total		\$12,109,046	

Calendar year 2011 added or preserved 3,602 AF of reservoir storage [(a) 2,682 AF, (b) 20 AF, (c) 900AF]

Colorado Water Conservation Board
Water Project Loan Program
Project Design and Construction Status Report

January 4, 2012

Applicant/Borrower	Project	County	Loan Amount	Size	Annual Delivery Yield (AF)	Storage Created (AF)	Design Status	Start	Construction End	Status
Current Projects in Design or under Construction										
1 New Cache 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%
2 Mancos Water Conservancy District	Reservoir Rehabilitation	Montezuma	\$ 5,486,531.00	15,840 LF	9,000		75%	Jan-04	Jan-14	99%
3 Upper Arkansas Water Conservancy District	Well Augmentation Project	Chaffee/Custer	\$ 3,520,000.00	500 AF	500	200	100%	Jun-05	Jan-13	90%
4 Union Ditch Company	Well Augmentation Project	Weld	\$ 312,595.00	206 AF	206		75%	Sep-06	Jan-13	80%
5 Overland Ditch and Reservoir Company	Overland Reservoir Rehabilitation	Delta	\$ 1,130,000.00	6,200 AF	17,000	971	50%	Permitting	Jan-13	0%
6 Montezuma Valley Irrigation Company	May Lateral Pipeline	Montezuma	\$ 5,292,400.00	5 Miles	128,000		100%	Nov-07	Jul-12	99%
7 Platte Valley Irrigation Company	Equalizer Reservoir Project	Weld	\$ 2,388,650.00	431 AF	52,401	431	100%	Nov-10	Jul-12	5%
8 Greeley Irrigation Company	Greeley Canal No. 3 Rehabilitation	Weld	\$ 2,233,867.00	18,000 AF	18,000		90%	Feb-08	Jul-12	90%
9 Henrylyn Irrigation District	Horse Creek & Prospect Reservoir Rehabilitation	Weld	\$ 2,184,327.00	13,850 AF	13,850	3,000	100%	Nov-08	Jul-12	90%
10 New Salda Ditch Company	Ditch Rehabilitation	Chaffee	\$ 365,620.00	300 L.F.	7,000		100%	Oct-09	Jul-12	99%
11 Farmers Pawnee Canal Company	Ditch Flow Control Structures	Logan	\$ 255,530.00	27,260	27,260		100%	Oct-08	Jan-12	99%
12 Republican River Water Conservation District	Compact Compliance Pipeline	NE, Colo	\$ 60,600,000.00	15,000 AF	15,000	60	100%	Aug-11	Jul-12	85%
13 Ogilvy Augmentation Company	Well Augmentation	Weld	\$ 1,010,808.00	60 AF			100%	Dec-08	Jul-12	100%
14 Boulder White Rock Ditch and Reservoir Company	Parana Reservoir Outlet Rehabilitation	Boulder/Weld	\$ 2,864,164.00	300 L.F.	12,000	2,600	100%	Oct-09	Jan-12	100%
15 Snowmass Water and Sanitation District	Zeigler Reservoir Water Management System	Pitkin	\$ 1,952,805.00	1,800 AF	1,800		100%	Feb-10	Feb-12	99%
16 Farmers Reservoir and Irrigation Company	Milton Reservoir and Barr Lake Improvement Proj.	Adams/Weld	\$ 3,535,000.00	64,900 AF	125,000		100%	Oct-09	Jun-12	99%
17 Lower Latham Reservoir Company	Well Augmentation Project	Weld	\$ 3,811,573.00	5,705 AF	5,705		100%	Nov-09	Jan-13	85%
18 Town of Gypsum	LEDC Ditch and Reservoir Rehabilitation	Eagle	\$ 2,689,731.00	685 AF	1,200	254	60%	Permitting	Jan-13	15%
19 Town of Dillon	Old Dillon Reservoir Enlargement	Summit	\$ 1,515,000.00	286 AF	321	140	100%	Sep-10	Jan-14	90%
20 Lake Canal Reservoir Company	South Gray Reservoir Rehabilitation/Gray No. 3 Augmentation	Larimer	\$ 393,900.00	1,120 AF	1,120	165	100%	Sep-10	Jun-12	90%
21 City of Monte Vista	Pipeline Project - Augmentation Retining	Rio Grande	\$ 1,693,770.00	321 AF	1,212		n/a	Oct-10	Jul-12	50%
22 Fort Morgan Reservoir and Irrigation Company	Bowls No. 1 Dam Rehabilitation	Morgan	\$ 1,494,800.00	15,840 L.F.	37,058		100%	Sep-10	Dec-12	99%
23 Joseph W. Bowles Reservoir Company	Rist Besnon Reservoir Rehabilitation	Jefferson	\$ 1,703,870.00	2,062 AF	900	150	100%	Aug-10	Apr-12	99%
24 Louden Irigating Canal and Reservoir Company	Dry Gulch Reservoir Land Acquisition	Larimer	\$ 663,610.00	150AF	35,000	35,000	n/a	Nov-08	Mar-20	85%
25 Pagosa Area Water and Sanitation District	Krohn Reservoir Dam Rehabilitation	Archuleta	\$ 11,217,060.00	4,800 AF	4,800	400	95%	Jan-10	On-Hold	0%
26 Supply Irrigating Ditch Company	Owl Creek Reservoir Rehabilitation	Boulder	\$ 1,515,000.00	1200 AF	1,200	1,200	99%	Jul-10	On-Hold	0%
27 Owl Creek Reservoir Company	Water Rights Purchase and Pipeline Installation	Weld	\$ 1,125,000.00	30,624 LF	339		65%	Oct-10	Jan-14	20%
28 Penrose Water District	Railroad Crossing	Fremont	\$ 8,844,570.00	7,796 AF	7,796		100%	Oct-11	Jan-13	20%
29 Seven Lakes Reservoir Company	Diversion Structure Rehabilitation	Weld	\$ 772,842.00	4,590 AF	4,590		95%	Sep-10	On-hold	0%
30 Duval and Snyder Improvement Company	System Rehabilitation Project	Morgan	\$ 90,900.00	31 Miles	24,000		85%	Sep-11	Feb-14	10%
31 Farmers High Line Canal and Reservoir Company	Riverside Reservoir Spillway Enlargement	Adams/Jefferson	\$ 1,410,768.00	64,000 AF	105,000		80%	Feb-11	Jan-13	0%
32 Riverside Reservoir and Land Company	Ditch System Rehabilitation	Weld	\$ 2,838,100.00	3,250 LF	3,260		85%	Sep-10	Dec-12	80%
33 Riverside Ditch and Allen Extension Company	Zeigler Reservoir Expansion Project	Chaffee	\$ 186,345.00	240 AF	1,850	240	100%	Jul-10	Jun-12	99%
34 Snowmass Water and Sanitation District	Lambert Ranch Water Rights Purchase	Pitkin	\$ 2,873,804.00	896 AF	55		100%	Oct-10	Jan-14	0%
35 Thunderbird W&S Dist	Ditch Headworks Replacement Project	Douglas	\$ 318,150.00	9,257 AF	9,257		100%	Oct-11	Jan-12	0%
36 Last Chance Ditch Company		Weld	\$ 185,436				100%	Jan-12	Jan-12	0%
			\$ 145,676,526		676,390	49,251				
Projects Not Under Contract										
a Parkville Water District	Canterbury Tunnel Repair	Lake	\$ 1,838,200.00	250 LF	1,086			In Contracting		
b Southeastern CO Water Conserv. District	Arkansas Valley Conduit	Crowley	\$ 60,600,000	138 Miles	6,555			In Contracting		
c Huerfano-Cucharas Irrigation Company	Cucharas Reservoir Rehabilitation	Pueblo	\$ 1,622,060	35,395 AF	3,000	7,500		In Contracting		
d South Metro Water Supply Authority	Raw Water Delivery - Capacity Purchase	Adams/Denver	\$ 5,090,400	10,750 AF	10,750			In Contracting		
e Lake Durango Water Authority	Source Water Supply Project	LaPlatta	\$ 2,525,000	309 AF	309			In Contracting		
f Fisher Ditch Company	Ditch Infrastructure Project	Denver	\$ 454,500	7,623 AF	7,623			In Contracting		
g Town of Georgetown	Outlet Works Modification Project	Clear Creek	\$ 2,976,975	208 AF	208			In Contracting		
h Lake Canal Reservoir Company	North Gray Reservoir Rehab Project	Larimer/Weld	\$ 116,625	75 AF	333	75		In Contracting		
i Jackson Ditch Company	Headgate Check Structure Rehab Project	Larimer	\$ 81,810	5,500 AF	5,500			In Contracting		
j Big Elk Meadows Association	J Water System Improvements Project	Boulder/Larimer	\$ 272,700	109 AF	6			In Contracting		
k Tri-county Water Conservancy District	Ridgway Reservoir Micro Hydro Proj	Ourey/Mont/Delta	\$ 9,090,000	7 MW	35,000			In Contracting		
l Crystal Lakes Water and Sewer Association	Lower Lone Pine Lake Enlargement Project	Larimer	\$ 2,363,400	100 AF	10	100		In Contracting		
m Two Rivers Water Company	Orlando Reservoir Rehabilitation	Huerfano/Pueblo	\$ 1,184,882	2,400	6,800			In Contracting		
n Paradise Acres Homeowners Association	Dedicated Fill Pipe	Huerfano	\$ 62,721	3700 LF	5			In Contracting		
		SubTotal =	\$ 88,279,273		77,185	7,675				

Grand Total = \$ 233,955,799 753,575

Reservoir construction projects involving storage: new, enlargement, dredging or removal of a SEO restriction = 56,926

Design & Construction Status Report

PROJECTS SUBSTANTIALLY COMPLETED IN CALENDAR YEAR 2011

1. Raymond Dairy, Incorporated – Concrete Ditch Reconstruction Project

Authorization: Construction Fund
Water Source: Grand Valley Canal
Terms of Loan: \$63,950@ 2.5% for 30 yrs.

County: Mesa
Project Yield: 386 AF
Project Type: Ditch Rehabilitation

Raymond Dairy is located just northwest of Fruita, Colorado and is owned by Robert and Helen Raymond. The Raymond Ditch has a capacity of 3.5 cfs and is used to carry irrigation water to 125 acres of field crops for dairy cattle. This Project involved rehabilitating 2,400 feet of the ditch, and installing new head gates. This Project will decrease ditch seepage; thereby improving the environment by reducing salt leaching into the Colorado River. NRCS provided planning and design engineering services for this work. The total project cost was \$95,000. NRCS provided 33% cost share in the Project. CWCB funding consisted of an initial loan for \$95,950 which was reduced to \$63,950 after construction was complete. The Project was substantially completed on February 1, 2011.

2. Bijou Irrigating District – Empire Reservoir Rehabilitation Project

Authorization: Severance Tax Fund
Water Source: South Platte River
Terms of Loan: \$4,454,100@ 2.25% for 30 yrs.

County: Morgan/Weld
Project Yield: 19,900 acre-feet
Project Type: Reservoir Rehabilitation

The District owns and operates Empire Reservoir located west of Fort Morgan in Weld and Morgan Counties. It is an off-stream reservoir primarily impounded by four separate dams constructed in about 1905. Water is diverted from the South Platte River through the Empire Intake Ditch. The water storage rights are 37,709 acre-feet and there is one refill right. The reservoir has been restricted by the SEO due to wind erosion problems along the east embankment. The Project consists of repairing failed sections of parapet walls, removing trees along the upstream toe of the dam, and adding additional riprap slope stabilization along the East Dike Embankment. This will allow the reservoir to be filled to its full gage height. The Project will result in 2,682 AF of recovered storage. Due to increased cost of fuel and materials the loan contract was increased from \$2.4M to \$4.5M at the November 2008 Board Meeting. The Project was substantially completed on March 1, 2011.

3. Orphan Wells of Wiggins – Augmentation Project

Authorization: Construction Fund
Water Source: South Platte Basin
Terms of Loan: \$1,037,700 @ 2.5% for 30-years

County: Morgan
Project Yield: 6,000 acre-feet

Project Type: Well Augmentation

The Orphan Wells of Wiggins is a new company comprised of 31 separate agricultural operators that own 45 wells which irrigated approximately 4,500 acres of farmland. This project involves the construction of 1 recharge well, 1 augmentation well, various pipeline, and 23 recharge ponds. The project will generate augmentation credits to cover the depletions for the 45 existing wells. The project is currently 90% complete. The project has changed from its original scope to include additional piping and recharge sites. Additionally, the Company has purchased several Riverside Ditch shares that will improve augmentation efforts. The Company was approved for an increase of \$200,000 at the November 2006 Board Meeting to complete the additional recharge sites and for the purchase of the Riverside Ditch shares. These funds have

not been distributed. The Company elected to decline presenting its case in court, given strong objectors and the lack of senior water in its augmentation plan. Based on that decision the Company will not be able to operate and are currently in the process of dissolving the Company. CWCB is currently working with a few interested parties in purchasing the Company assets, which would be used to pay off or pay down the Company's existing debt with CWCB. Staff has met with the board members and they agreed to substantially complete the project and put the project in repayment. They have requested that the interest that has accumulated be forgiven, which staff has denied given the precedent it would make and project history. Staff did meet with the Company's Board Members in March 2010. The Board is currently pursuing the sale of 10 shares of Riverside Ditch and the augmentation project itself to hopefully generate sufficient revenue to pay off their \$900K loan with CWCB. There are a number of parties interested in purchasing Orphan Wells of Wiggins assets. The Project was substantially completed on March 1, 2011.

4. Stagestop Owners Association – Water Augmentation Reservoirs Project

Authorization: Construction Fund	County: Park
Water Source: Old House Creek/ Tarryall River	Project Yield: 20AF
Terms of Loan: \$192,708@ 2.25% for 20 yrs.	Project Type: Dam Rehabilitation

The Stagestop Owners Association represents property owners in the Stagestop subdivision, located near Jefferson, Colorado. The Association was incorporated in 1976 and is made up of 500 single-family residential lots. Individual wells supply water to each lot in the Association. There are 199 active wells at this time. Groundwater depletions from these wells are offset by an augmentation decree that includes storage and releases of water from Old House Creek. The water is stored in two reservoirs referred to as the Upper Reservoir and Lower Reservoir. Both reservoirs required outlet work repair and the Upper Reservoir was under a fill restriction by the Office of the State Engineer. This project replaced the outlet pipes at both reservoirs, installed new outlet structures and valves, and spillways. The Project was substantially completed on April 1, 2011.

5. Las Animas Consolidated Canal Company – Diversion Structure Rehabilitation

Authorization: Construction Fund	County: Bent
Water Source: Arkansas River	Project Yield: 26,000 AF
Terms of Loan: \$77,265@ 2.75% for 30 yrs.	Project Type: Diversion Rehabilitation

The Las Animas Consolidated Canal Company provides irrigation water to approximately 5,600 acres near Las Animas, Colorado. The Canal Company, along with the Consolidated Extension Canal Company, operates the Las Animas ditch diversion dam, located on the Arkansas River approximately 11 miles east of La Junta and about 7 miles west of Las Animas. The diversion dam was constructed in the late 1800s and is at the end of its useful life. The purpose of this project is to complete emergency repairs to support the dam and to minimize further downstream erosion and deterioration of the diversion dam so that safe and reliable future operations of the structure can be ensured. The loan request is for 6% of the estimated \$1,275,000 total cost of the project. The additional project funding will come from the Consolidated Extension Canal Company (through a CWCB loan) and from Xcel Energy (a large shareholder in both companies). The project construction was completed in March, 2011 and was substantially completed on June 1, 2011.

6. Consolidated Extension Canal Company – Diversion Structure Rehabilitation

Authorization: Construction Fund	County: Bent
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Water Source: Arkansas River
 Terms of Loan: \$180,285@ 2.75% for 30 yrs.

Project Yield: 26,000 AF
 Project Type: Diversion Rehabilitation

The Canal Company, along with the Las Animas Consolidated Canal Company, operates the Consolidated Ditch diversion dam, located on the Arkansas River approximately 11 miles east of La Junta and about 7 miles west of Las Animas. The diversion dam was constructed in the late 1800s and is at the end of its useful life. The purpose of this project is to complete emergency repairs to support the dam and to minimize further downstream erosion and deterioration of the diversion dam so that safe and reliable future operations of the structure can be ensured. The loan request is for 6% of the estimated \$1,275,000 total cost of the project. The additional project funding will come from the Las Animas Consolidated Canal Company (through a CWCB loan) and from Xcel Energy (a large shareholder in both companies). The project construction was completed in March, 2011 and was substantially completed on June 1, 2011.

7. Trinchera Irrigation Co – Garland Canal #2 Pipeline Project

Authorization: Construction Fund
 Water Source: Ute Creek
 Terms of Loan: \$251,793@ 2.75% for 30 yrs.

County: Costilla
 Project Yield: 3,700 AF
 Project Type: Ditch Rehabilitation

The Company owns and operates Smith Reservoir, Mountain Home Reservoir, and approximately 26 miles of canals and 45 miles of laterals to provide irrigation water for the benefit of its shareholders. The Company services approximately 14,100 acres of irrigated farm land. The received a loan to repair a portion of the Garland #2 Canal. The Canal was originally constructed around 1913 and a substantial portion of the ditch deteriorated and became unreliable and inefficient. Emergency repairs were made following a 2010 flash flood. The proposed project includes: replacement of the diversion headgate, modifying the siphon inlet to accommodate a new trash rack, installing rock riprap at the siphon outlet, and installing 2,300 linear feet of 36" irrigation pipe. The project construction was completed in the spring of 2011 and was substantially completed on June 1, 2011.

8. WRCC, Inc. – Cobb Lake Inlet Structure Rehabilitation

Authorization: Construction Fund
 Water Source: Cach La Poudre
 Terms of Loan: \$1,352,592@ 2.85% for 30 yr.

County: Larimer/Weld
 Project Yield: 35,000 AF
 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.

9. North Sterling Irrigation District – North Sterling Reservoir Rehabilitation

Authorization: Construction Fund
 Water Source: South Platte River
 Terms of Loan: \$1,094,840@2.25% for 20 yrs.

County: Logan
 Project Yield: 74,590 acre-feet
 Project Type: Reservoir Rehabilitation

The District owns and operates the North Sterling Reservoir located in Logan County and provides stored and direct flow water to landowners within the District's 40,917 acre service area. The District service area begins just east of the Reservoir approximately 15 miles northwest of Sterling and extends east to Crook. The Reservoir faced the possibility of a storage restriction from the State Engineer's Office. Improvements to the current spillway and the dam were necessary in order to retain full storage capacity. Improvements included: enlarging the existing spillway, raise the dam crest, and installing a seepage collection system. Construction commenced in September of 2009 and was completed by September 2010. The project was Substantially Completed on June 1, 2011.

10. Grand River Ditch Company – Grand River Ditch Pipeline

Authorization: Construction Fund

Water Source: Colorado River

Terms of Loan: \$543,380@4.20% for 30 yrs.

County: Garfield

Project Yield: 14,500 AF

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.

11. Bull Creek Reservoir Canal and Power Company – Reservoir Rehabilitation

Authorization: Severance Tax Fund

Water Source: Colorado River

Terms of Loan: \$1,801,630@ 2.5% for 30 yrs.

County: Mesa

Project Yield: 900 acre-feet

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.

12. 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 is expected in mid-2011.

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. **UPDATE: 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	County: Weld
Water Source: South Platte River	Project Yield: 206 acre-feet
Terms of Loan: \$312,595 @2.50% for 320-years	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	County: Delta
Water Source: Cow Creek	Project Yield: 17,000 AF
Terms of Loan: \$1,130,000@ 2.5% for 30 yrs.	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	County: Montezuma
Water Source: Dolores River	Project Yield: 128,000 acre-feet
Terms of Loan: \$5,292,400@2.25% for 30 yrs.	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 2011.

7. Platte Valley Irrigation Company – New Equalizer Reservoir Project

Authorization: Severance Tax Fund	County: Weld
Water Source: South Platte River	Project Yield: 52,401 AF
Terms of Loan: \$2,388,650@2.25% for 20 yrs.	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

County: Weld

Water Source: South Platte

Project Yield: 18,000 acre-feet

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

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

County: Weld

Water Source: Denver/Hudson Canal

Project Yield: 13,850 acre-feet

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

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 spring 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. 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. **UPDATE: Work was completed in late 2011.**

12. 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: Garney Construction is under contract and pipe installation is underway. Construction is scheduled to continue until through the summer of 2012.**

13. Ogilvy Augmentation Company – Well Augmentation Project

Authorization: Severance Tax Fund	County: Weld
Water Source: South Platte River	Project Yield: 60 acre-feet
Terms of Loan: \$1,010,808@2.5% for 30 yrs.	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.

14. Boulder White Rock Ditch and Reservoir Company – Reservoir Rehabilitation

Authorization: Severance Tax Fund	County: Boulder/Weld
Water Source: South Platte River	Project Yield: 12,000 acre-feet
Terms of Loan: \$2,864,164@3.45% for 30 yrs.	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 project construction was completed in 2010.

15. 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.

16. 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 2012.

17. 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.

18. 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.

19. 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. **UPDATE: The contractor failed to complete the project within the contract deadline. Construction was postponed due to the winter season and is expected to commence again in the summer of 2012.**

20. 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.**

21. 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.

22. 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.

23. 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.

24. 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. **UPDATE: SEO acceptance letter has been received and Substantial completion is set for April 1, 2012.**

25. Pagosa Area Water and Sanitation District – Dry Gulch Reservoir Land Acquisition

Authorization: Construction Fund

Water Source: San Juan River

Terms of Loan: \$11,217,060@3.50% for 30 yrs.

County: Archuleta

Project Yield: 35,000 acre-feet

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.

26. Supply Irrigation Ditch Company – Knoth Reservoir Dam Rehabilitation

Authorization: Severance Tax Fund

Water Source: St. Vrain Creek

Terms of Loan: \$1,515,000@2.6% for 30-years

County: Boulder – N.E. of Lyons

Project Yield: 4,800 acre-feet

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 Knoth 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.

27. 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.

28. 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 $\frac{5}{6}$ th 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. **UPDATE: Penrose closed on the Brush Hollow Reservoir storage purchase in November of 2011.**

29. 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 desires 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. This project originally included a new pre-fabricated railroad bridge however due to complications with BNSF Railroad requirements the Company has elected to bore under the railroad tracks. **UPDATE: BT Construction has been awarded the construction contract and will begin work in the winter of 2011/12.**

30. Deuel and Snyder Improvement Company – Diversion Structure Rehabilitation

Authorization: Severance Tax Fund

Water Source: South Platte

Terms of Loan: \$90,900@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. There is not a walkway or handrail for safety. Because this is a major safety concern for the Company, it evaluated alternatives to both improve the safety conditions for its employees and more efficiently operate the 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. Therefore, the Company is currently evaluating it options on how to address the foundation issue prior to commencing with any improvement above. The project costs could escalate considerable.

31. Farmers Highline Canal and Reservoir Co. – System Rehabilitation

Authorization: Construction Fund

Water Source: Clear Creek

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

County: Adams/Jefferson

Project Yield: 24,000 AF

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.

32. Riverside Reservoir and Land Company – Riverside Reservoir Spillway Enlargement

Authorization: Severance Tax Fund
Water Source: South Platte River
Terms of Loan: \$2,838,100@2.5% for 30 yrs.

County: Weld
Project Yield: 64,000 AF (200 new)
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 2012. Compliance with County roadway permitting is currently controlling the start date.

33. Riverside Ditch and Allen Extension Company – Ditch System Rehabilitation

Authorization: Construction Fund
Water Source: Arkansas River
Terms of Loan: \$186,345@2.75% for 30 yrs.

County: Chaffee
Project Yield: 3,250 AF
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 2011.

34. Snowmass Water and Sanitation District – Ziegler Reservoir Expansion Project

Authorization: Construction Fund
Water Source: Snowmass Creek
Terms of Loan: \$2,873,804@4.75% for 20 yrs.

County: Pitkin
Project Yield: 240 AF
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 CWCB 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.

35. 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. **UPDATE: Closing is proposed for January or February of 2012.**

36. Last Chance Ditch Company – Ditch Headworks Replacement

Authorization: Construction Fund

County: Weld

Water Source: St. Vrain Creek

Project Yield: 9,257 AF

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

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 consists of a wooden structure with dual gates that have been in place since the early 1900's. The headgate has been rehabilitated numerous times over the years and the annual maintenance and reliability is a concern. The Project will include the replacement of the existing headworks with a reinforced concrete structure with dual headgates and an overshot gate.

United States Department of Agriculture

Natural Resources Conservation Service
Denver Federal Center
Building 56, Rm. 2604
PO Box 25426
Denver, Colorado 80225-0426

December 22, 2011

Mr. Joseph Busto
Colorado Water Conservation Board
1580 Logan St., Suite 200
Denver, CO 80203

Dear Joe;

Enclosed is a summary of the project we have been working on for the past eight years. Our effort to improve the NRCS SNOTEL data collection network has made significant strides. You, and the CWCB, are to be commended for your important contributions to this effort. As this project winds down, we are leaving the State's water users with an improved network, which will continue to pay benefits into the future with the opportunity for improved water management.

This project is also a model example of Federal, State, and Local government cooperation to benefit the public. After 34 years of Federal service I am retiring with the satisfaction that this project is one of the most rewarding of my career.

Best Regards,

A handwritten signature in black ink, appearing to read "Mike Gillespie", with a stylized flourish at the end.

MICHAEL A. GILLESPIE
Snow Survey Supervisor

Helping People Help the Land

An Equal Opportunity Employer and Provider

Project Summary
Improving Colorado's Snowpack Data Collection
Through CWCB Severance Tax Trust Funds

Like most of the Western US, Colorado relies on the runoff from each winter's melting snowpack for a majority of the annual surface water supplies. Runoff forecasts, issued during the winter and spring are critical for managing water resources and minimizing the potential impacts of both floods and droughts. Reliable runoff forecasts are dependent on accurate, long-term snowpack data, which is provided by SNOTEL sites. Since 2004, local water managers across Colorado have utilized the Colorado Water Conservation Board's Severance Tax trust funds to partner with the USDA-Natural Resources Conservation Service (NRCS) to improve the availability of SNOTEL data across the state.

These new sites have improved the State's coverage of real-time snowpack data either by automating an existing manually measured snow courses, or by eliminating a void in the network. In addition, access to daily data values as opposed to the traditional monthly data provides water managers improved insight into the condition of the winter's snowpack while also providing improved accuracy of forecasts issued jointly by NRCS and National Weather Service River Forecast Center hydrologists.

Following is a summary of the new SNOTEL sites which have been installed since this project began in 2004. Table 1 presents a project summary, while figure 1 shows a map of the new and proposed SNOTEL sites which have been added during this project.

Currently Installed Sites as of January 1, 2012

1. The Cochetopa SNOTEL was installed in 2004 near the top of Cochetopa Pass which divides the Rio Grande and Gunnison basins. Equipment costs for this site were cooperatively funded by the CWCB and the Upper Gunnison River Water Conservancy District. This new site automates an existing snow course which has been manually measured since 1949. Data parameters initially collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature). NRCS funded and installed soil moisture and temperature sensors at 2", 8" and 20" depths in 2009.
2. The Grayback SNOTEL was installed in 2004 south of Del Norte at an elevation of 11,620' in the Rio Grande Basin. Equipment costs for this site were cooperatively funded by the CWCB and both the Rio Grande and Conejos Conservation Districts. This new site automates an existing snow course which has been manually measured since 1967. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).
3. The Bear River SNOTEL was installed in 2004 near the headwaters of the Yampa River south of Steamboat Springs. Equipment costs for this site were cooperatively funded by the CWCB and the Yampa River Water Conservancy District. This new site automates an existing snow course which has been manually measured since 1956. Data parameters

initially collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).

4. The Chapman Tunnel SNOTEL was installed in 2007 near the Fry-Ark collection system in the Fryngpan River basin above Rudi Reservoir. Equipment costs for this site were cooperatively funded by the CWCB and the Southeastern Colorado Water Conservancy District. This new site automates an existing void in the SNOTEL network and will provided water supply information for both the Arkansas and Roaring Fork basins in Colorado. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).
5. The Hayden Pass SNOTEL was installed in 2007 near the top of Hayden Pass which divides the Rio Grande and Arkansas basins. Equipment costs for this site were cooperatively funded by the CWCB and the Southeastern Colorado Water Conservancy District. This new site automates an existing void in the SNOTEL network and will provided water supply information for both the Arkansas and Roaring Fork basins in Colorado. Data parameters initially collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).
6. The Saint Elmo SNOTEL was installed in 2007 above the old townsite of Saint Elmo in the Chalk Creek drainage of the Arkansas Basin. Equipment costs for this site were cooperatively funded by the CWCB and the Southeastern Colorado Water Conservancy District. This new site automates an existing snow course which as been manually measured since 1949. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).
7. The Moon Pass SNOTEL was installed in 2008 near the top of Moon Pass which divides Saguache, Carnero and La Garita Creeks the Rio Grande basin. Equipment costs for this site were cooperatively funded by the CWCB and the Center Conservation District. This new site automates an existing void in the SNOTEL network and will provided water supply information for water users on several creeks in the Rio Grande basin. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).
8. The Sargents Mesa SNOTEL was installed in 2008 near the top of Sargents Mesa which divides the Rio Grande and Gunnison basins. Equipment costs for this site were cooperatively funded by the CWCB and the Center Conservation District. This new site automates an existing void in the SNOTEL network and will provided water supply information for both the Rio Grande and Gunnison basins in Colorado. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).
9. The Hourglass Lake SNOTEL was installed in 2008 near Pingree Park on Bennett Creek, a tributary of the Cache La Poudre River in the South Platte basin. Equipment costs for this site were cooperatively funded by the CWCB and the City of Greeley along with the

Cache La Poudre Water User's Association. This new site automates and existing snow course which has been manually measured since 1936. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).

10. The Long Draw Reservoir SNOTEL was installed in 2009 near Long Draw Reservoir in the headwaters of the Cache La Poudre River in the South Platte River Basin. Equipment costs for this site were cooperatively funded by the CWCB and the Cache La Poudre Water User's Association. This new site automates and existing snow course which has been manually measured since 1971. Data parameters initially collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature). NRCS funded and installed soil moisture and temperature sensors at 2", 8" and 20" depths.
11. The Elliot Ridge SNOTEL was installed in 2009 near the top of the north end of the Gore Range which divides the Blue River and the Eagle River in the Colorado River Basin. Equipment costs for this site were cooperatively funded by the CWCB and the Middle Park Conservation District and several local landowners who will benefit from this data. This new site automates an existing void in the SNOTEL network and will provide water supply information for both the Blue River and several smaller streams which originate along Elliot Ridge and are local water sources for a number of ranching operations in the Colorado Basin. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).
12. The Upper Taylor SNOTEL was installed in 2009 near the headwaters of the Taylor River in the Gunnison basin, above Taylor Park Reservoir. Equipment costs for this site were cooperatively funded by the CWCB and the Upper Gunnison River Water Conservancy District. This new site automates an existing void in the SNOTEL network and will provide water supply information for the inflow into Taylor Park Reservoir in the Gunnison River Basin. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature). The UGRWCD also funded the installation of soil moisture and temperature sensors at 2", 8" and 20" depths.
13. The Black Mountain SNOTEL was installed in 2010 at 8920' elevation in the North Fork of the Cache La Poudre River, north of Red Feather Lakes. Equipment costs for this site were cooperatively funded by the CWCB and the Cache La Poudre Water User's Association. This new site automates an existing void in the SNOTEL network and will provide the only snowpack data in the North Fork of the Poudre basin. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).
14. The Weminuche Creek SNOTEL was installed in 2010. This site is located near the headwaters of the Piedra River, a tributary of the San Juan River. Equipment costs for this site were cooperatively funded by the CWCB and the San Juan Conservation District. This new site automates and existing void in the SNOTEL network and will provide the only snowpack data in the Piedra River basin. Data parameters collected at this site

include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).

15. The Fool Creek SNOTEL was installed in 2011 in the Fraser Experimental Forest at a location with historical snowpack data collection by Experimental Forest staff. Equipment costs for this site were cooperatively funded by CWCB and Denver Water. This new site automates an existing void in the SNOTEL network and will provide additional data for water supplies affecting the Frasier River which is also important for Denver Water's supplies. In addition, this new site will help automate some of the data collection for research conducted by the Fraser Experimental Forest. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).
16. The Wager Gulch SNOTEL site was installed in 2011 in a tributary to the upper Lake Fork above Lake City. Equipment costs for this site were cooperatively funded by the CWCB, the Upper Gunnison River Water Conservancy District and the Rio Grande Water Conservation District. This new site automates an existing void in the SNOTEL network and will provide water supply information for both the Lake Fork and Rio Grande Rivers. One of the primary concerns on the Lake Fork is improving the management of inflows and operations of Lake San Cristobal above Lake City. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).

Scheduled Future Installations

17. The Sawtooth SNOTEL site has been funded and is currently awaiting permitting from the US Forest Service. The planned location for this site is in the Middle Fork of the St. Vrain River. Equipment costs for this site were cooperatively funded by the CWCB and the Longmont Conservation District. This new site automates an existing snow course which has been measured since 2008 and will help fill an existing data void in the St. Vrain basin. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature). In addition, the Longmont Conservation District is also funding the installation of soil moisture and temperature sensors at 2", 8" and 20" depths.
18. The High Lonesome SNOTEL site has been funded and is currently awaiting permitting from the US Forest Service. The planned location for this site is above Meadow Creek Reservoir in the Fraser River basin. Equipment costs for this site were cooperatively funded by CWCB and the Northern Colorado Water Conservancy District. The initial NRCS and NCWCD analysis of data voids above Lake Granby revealed a need for a site in Rocky Mountain National Park. However, due to environmental concerns a permit to install the site was denied by the Park Service. As an alternate location, the current site was selected on US Forest Service land. Data parameters collected at this site will include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).
19. The Elkhead Divide SNOTEL site has been funded and is currently awaiting permitting from the US Forest Service. The planned location for this site is above Elkhead

Reservoir in the Yampa River basin. Equipment costs for this site were cooperatively funded by CWCB and the Colorado River Water Conservation District. This new site will automate an existing data void in the SNOTEL network, providing the only data in the Elkhead basin to aid with runoff forecasts for the inflow into Elkhead Reservoir. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).

20. The Black Mesa SNOTEL site has been funded and permitted. Installation was initially planned for Fall of 2011, however an October storm prevented access for installation. Installation should be completed during the summer field season of 2012. This site is located in the Dolores River basin at 11,600' elevation. Equipment costs for this site were cooperatively funded by the CWCB and the Dolores Water Conservancy District. This new site will automate an existing void in the SNOTEL network and will provide additional high elevation snowpack data for inflows into McPhee Reservoir, also helping management of late-season inflows and allowing for improved recreation opportunities. Data parameters collected at this site include the standard SNOTEL data (snow water equivalent, accumulated precipitation, maximum, minimum and average air temperature).

Table 1. Improving Colorado's Snowpack Data Collection project summary.

	Site Name	Cooperator Partner	Basin(s) Benefitted	Data Benefit	Year Installed
1	Cochetopa Pass	UGRWCD	Rio Grande/Gunnison	Automates an existing manual site	2004
2	Grayback	Rio Grande and Conejos Conservation Districts	Rio Grande	Automates an existing manual site	2004
3	Bear River	Upper Yampa Water Conservancy District	Yampa	Automates an existing manual site	2004
4	Chapman Tunnel	SECWCD	Colorado/Arkansas	Fills existing data void	2007
5	Hayden Pass	SECWCD	Rio Grande/Arkansas	Fills existing data void	2007
6	St. Elmo	SECWCD	Arkansas	Automates an existing manual site	2007
7	Moon Pass	Center Conservation District	Rio Grande	Fills existing data void	2008
8	Sargents Mesa	Center Conservation District	Rio Grande/Gunnison	Fills existing data void	2008
9	Hourglass Lake	City of Greeley/Cache La Poudre Water Users Association	South Platte	Automates an existing manual site	2008
10	Long Draw Resv.	Cache La Poudre Water Users Association	South Platte	Automates an existing manual site	2009
11	Elliot Ridge	Middle Park Conservation District	Colorado	Fills existing data void	2009
12	Upper Taylor	UGRWCD	Gunnison	Fills existing data void	2009
13	Black Mountain	Cache La Poudre Water Users Association	South Platte	Fills existing data void	2010
14	Wimenuche Creek	San Juan Conservation District	San Juan	Fills existing data void	2010
15	Fool Cree	Denver Water	Colorado	Fills existing data void	2011
16	Wager Gulch	UGRWCD/Rio Grande WCD	Gunnison/Rio Grande	Fills existing data void	2011
17	Sawtooth	Longmont Conservation District	Saint Vrain	Automates an existing manual site	2012
18	High Lonesome	NCWCD	Upper Colorado	Fills existing data void	2012
19	Elkhead Divide	Colorado River Water Conservation District	Yampa	Fills existing data void	2012
20	Black Mesa	Dolores Water Conservancy District	Dolores	Fills existing data void	2012

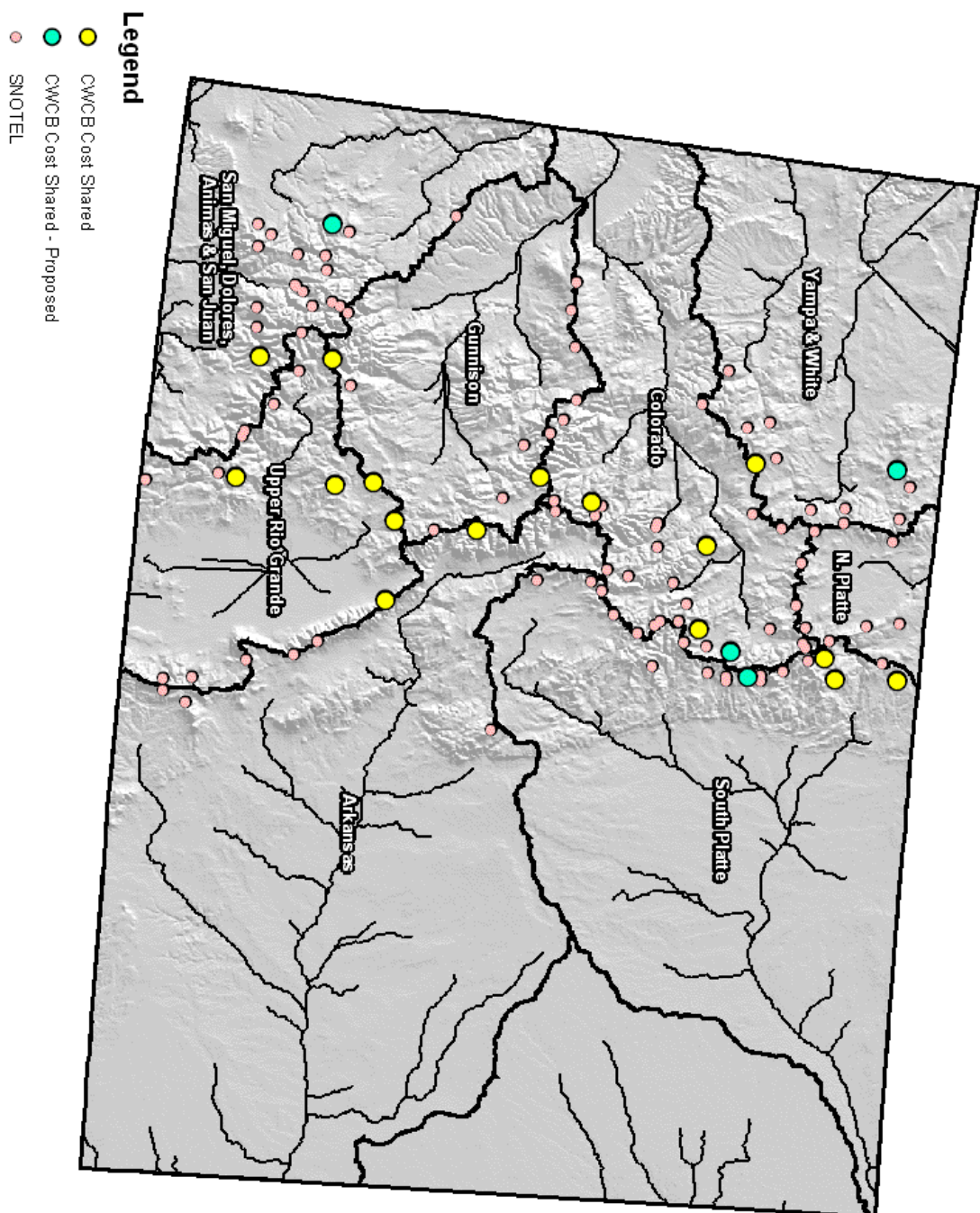


Figure 1. Improving Colorado's Snowpack Data Collection project summary.

**U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL WEATHER SERVICE**

December 14, 2011

Michelle Garrison
Water Resources Specialist
Colorado Water Conservation Board (CWCB)
Interstate and Federal Section
1313 Sherman St, Room 721
Denver, CO 80203

Dear Michelle,

We are writing to thank CWCB for your support of the "Using snow covered area to improve snow modeling and water supply forecasts" project sponsored by your group. This project was collaboratively framed with our River Forecast Center and others to investigate a potential area of improvement for streamflow forecasting, the incorporation of satellite derived snow covered area observations. This is a dataset not currently incorporated into our forecasting methodology. The output for this project will enable further analysis at our office and elsewhere to assess the potential benefit of including this data in the future.

We view the collaborative approach employed by CWCB to develop and manage this project as a successful model for improving streamflow forecasts to better meet the needs of Colorado stakeholders. We look forward to continuing to work with CWCB in the future.

Best Regards,

Michelle Schmidt
Hydrologist in Charge, Colorado Basin River Forecast Center





Natural Resources Conservation Service
National Water & Climate Center
1201 NE Lloyd Blvd., Suite 802
Portland, OR 97232

Date: January 3, 2012

Mr. Joseph Busto
Colorado Water Conservation Board
1580 Logan St., Suite 200
Denver, CO 80203

Dear Joe,

I would like to thank the Colorado Water Conservation Board (CWCB) for sponsoring the "Using Snow Covered Area to Improve Snow Modeling and Water Supply Forecasts" project. This project, which was a collaborative effort between CWCB, Riverside Technology, NWS, and NRCS, will allow us to investigate the potential of using spatial snow covered area data to improve streamflow forecasting.

In the water supply business, there are many sources for error in our forecasts. Through our SNOTEL system, we have a very good source of point meteorological data. However, in my opinion, there are three major ways to improve our water supply forecasts. The largest forecast error is the uncertainty and variability in subsequent weather events, especially in the spring. This will always be a concern for the forecasters, but one that they can't do much about. Two other sources for errors in the forecasts are the spatial soil moisture and snow cover conditions over the watershed at forecast time. The NRCS has been adding soil moisture sensors to all new SNOTEL sites and have retrofitted many other established sites with the hope that this information will be useful in reducing forecast errors. The addition of the snow covered area time series that was made available to us through this project will allow us to assess the potential benefit of including these data in our future models. The NRCS will be actively analyzing the addition of these spatial data throughout the coming year.

The CWCB has been working with the NRCS for several years. Your efforts to provide funding for several additional SNOTEL sites and this snow covered area project will, I believe, improve streamflow forecasts to better meet the needs of Colorado water users and managers. We look forward to continuing to work with CWCB in the future.

Respectfully,

A handwritten signature in black ink, appearing to read "Tom Perkins", written over a horizontal line.

TOM PERKINS
Water & Climate Services Branch Leader



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	\$ 645,630	\$ 260,460
November 2011	\$ 272,399	\$ 242,144	\$ 514,543	\$ -	\$ 514,543
December 2011	\$ 463,198	\$ 1,070,560	\$ 1,533,758	\$ 362,744	\$ 1,171,013
January 2012	\$ -	\$ -	\$ -	\$ -	\$ -
February 2012	\$ -	\$ -	\$ -	\$ -	\$ -
March 2012	\$ -	\$ -	\$ -	\$ -	\$ -
April 2012	\$ -	\$ -	\$ -	\$ -	\$ -
May 2012	\$ -	\$ -	\$ -	\$ -	\$ -
June 2012	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2012 Totals	\$ 3,642,350	\$ 3,181,258	\$ 6,823,608	\$ 2,199,421	\$ 4,624,187

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	\$ 362,094	\$ 1,200,194
October 2011	\$ 352,032	\$ 322,801	\$ 674,833	\$ 2,517,487	\$ (1,842,654)
November 2011	\$ 90,580	\$ 78,726	\$ 169,306	\$ -	\$ 169,306
December 2011	\$ 34,029	\$ 182,787	\$ 216,816	\$ 4,006,762	\$ (3,789,946)
January 2012	\$ -	\$ -	\$ -	\$ -	\$ -
February 2012	\$ -	\$ -	\$ -	\$ -	\$ -
March 2012	\$ -	\$ -	\$ -	\$ -	\$ -
April 2012	\$ -	\$ -	\$ -	\$ -	\$ -
May 2012	\$ -	\$ -	\$ -	\$ -	\$ -
June 2012	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2012 Totals	\$ 1,385,302	\$ 1,691,605	\$ 3,076,907	\$ 6,944,374	\$ (3,867,467)
GRAND TOTALS	\$ 5,027,652	\$ 4,872,863	\$ 9,900,515	\$ 9,143,795	\$ 756,720

STATE OF COLORADO

Colorado Water Conservation Board
Department of Natural Resources

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TO: Colorado Water Conservation Board Members

FROM: Anna Mauss, P.E.
Finance Section

DATE: January 13, 2012

SUBJECT: **Directors Report, January 23 - 24, 2012 Board Meeting**
Finance Section – Prequalification Project List Update

John W. Hickenlooper
Governor

Mike King
DNR Executive Director

Jennifer L. Gimbel
CWCB Director

This item is for information only. No new applications were received for this board meeting.

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.

Pregualified Project List

BORROWER	PROJECT NAME	APPLICATION DATE	BASIN	PROJECT DESCRIPTION	PROJECT COST	LOAN AMOUNT
Previously Approved Applications						
City of Trinidad	North Lake Dam Rehabilitation	September 1, 2011	Arkansas	North Lake Dam is currently restricted by the SEO. The City intends to address dam safety concerns through this loan with additional funding likely coming from a WSRRA statewide grant.	\$1,850,000	\$740,000
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
Town of La Veta	North Lake Dam Rehabilitation Project	May 1, 2011	Arkansas	The purpose of this project is to repair the outlet works and address seepage problems at North Lake dam in La Veta.	\$750,000	\$675,000
Loan to be presented at January 2012 board meeting						
Totals					\$5,650,000	\$3,970,000

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
	4/10	Boulder Left Hand Irrigation. Co	Ditch Piping (2012)		\$300,000
	2/10	Bergen Ditch Company	Dam Rehabilitation		\$2,000,000
	1/09	East Larimer County Water District	Rigdon Storage Project		\$3,000,000
	10/10	NISP Participants	NISP		\$30,000,000
	10/10	Chatfield Reallocation Participants	Chatfield Reallocation Participants		\$40,000,000
	4/10	Bergen Ditch & Res. Co	Dam Rehabilitation (Late 2010)		\$1,000,000
		Boulder Left Hand Irrigation. Co	Ditch Piping		\$300,000
	1/12	Pinehurst Country Club	Harriman Reservoir	\$5,000,000	\$500,000
				TOTAL	\$89,800,000
Arkansas					
	1/10	Upper Arkansas WCD	Trout Creek Reservoir	\$3,000,000	\$3,000,000
		Cherokee Metro District	Wells and Pipelines	\$800,000	\$800,000
	9/09	Ditch and Reservoir company	Big Johnson Reservoir		\$8,000,000
	8/11	Town of Ordway	Reservoir Rehab & Pipeline Const		\$2,000,000
	10/10	Lower Arkansas Water Mgmt Association	Water Rights Purchase		\$7,500,000
	10/11	Highline Canal Company	Water Rights Purchase	\$4,500,000	\$4,100,000
				TOTAL	\$25,400,000
San Miguel/Juan					
		Farmers Water Development Co	Gurley Reservoir Enlargement	\$5,000,000	\$5,000,000
	2/10	City of Ouray	Red Mountain Ditch Rehabilitation	\$200,000	\$200,000
				TOTAL	\$5,200,000
Colorado					
		Lateral MC070 Inc.	NRCS Ditch Rehabilitation	\$200,000	\$140,000
		Highland Ditch Co	Ditch Rehabilitation Project	\$200,000	\$200,000
		Ian Carney - Felix Tornare	Polaris Reservoir Rehabilitation	\$500,000	\$500,000
	9/11	Leon Park Reservoir Company	Dam Rehabilitation		\$35,000
				TOTAL	\$875,000

Gunnison					
	7/09	Fire Mountain Canal & Reservoir Co.	New Reservoir		\$500,000
	10/09	Hinsdale County/Lake City	Lake San Cristobal Dam/Spillway		\$500,000
				TOTAL	\$1,000,000
Rio Grande					
				TOTAL	\$0
Yampa					
	4/09	Catamount Reservoir Company	Reservoir Rehabilitation		\$500,000
				TOTAL	\$500,000

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

Recent inquiries:

Colorado City Metro District – Beckwith Dam Repair

Catlin Canal Company – Mt. Pisgah Dam Repair

Montezuma Valley Irrigation Company – Pipeline Project

**January 23-24, 2012 Board Meeting
Instream Flow and Natural Lake Level Program
Summary of Resolved 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. 1-04CW323 – Application of EMJ Squaw Pass, LLC

The Board ratified this statement of opposition at its March 2005 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed plan for augmentation and exchange does not injure the Board's instream flow water right on Little Bear Creek, Soda Creek and West Clear Creek. Pursuant to ISF Rule 8.i. (3), an Injury with Mitigation proposal was accepted by the Board at its January 2007 meeting. The injury is a potential out-of-priority depletion of up to 2.9 acre-feet per month, 35 acre-feet annually on Soda Creek and Little Bear Creek. The mitigation is a contribution of \$3,000 per year into an account for fish stocking or other habitat improvements to be directed by CPW and CWCB staff.

For all other potential injury actions, CWCB 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 rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
1-87CW275	Little Bear Creek	1	12/11/87	Clear Creek	Clear Creek
1-87CW274	Soda Creek	1	12/11/87	Clear Creek	Clear Creek
1-87CW276	West Clear Creek	11/5	12/11/87	Clear Creek	Clear Creek

The CWCB and the Applicant have agreed to the entry of a decree that will prevent injury to the Board's ISF water rights on Little Bear Creek, Soda Creek and West Clear Creek except for the potential 35 acre-feet annually that will be mitigated.

The Applicant has agreed to the following terms and conditions:

- CWCB has agreed to accept the following impacts to its instream flow water rights: EMJ may divert groundwater up to the amount of 35 acre-feet annually, or 2.9 acre-feet monthly, representing a flow of 22 gallons per minute, or 0.048 cfs, when the CWCB's instream flow water rights on Soda Creek or Little Bear Creek are not met. CWCB accepts the maximum rate of 0.048 cfs of impact to its instream flow water rights because EMJ has agreed to mitigate the impact to the stream environment resulting from its diversions. The CWCB is allowing the Applicant to impact its instream flow water rights only because the proposed mitigation will enable CWCB to continue to preserve the natural environment to a reasonable degree with those instream flow water rights. If Applicant fails to maintain the agreed upon mitigation, CWCB will no longer accept this impact to its water rights.
- The injury with mitigation agreement shall not otherwise interfere with the regular administration of the CWCB's instream flow water rights in the priority system under Colorado water law. Applicant's water right decreed in this case shall be administered in priority with regard to all other water rights.

The injury with mitigation agreement shall not result in the CWCB subordinating its instream flow water rights to any other water rights that are junior to those water rights. The CWCB is allowing the Applicant to impact its instream flow water rights only because the proposed mitigation will enable CWCB to continue to preserve the natural environment to a reasonable degree. If a Colorado Court holds that this injury with mitigation agreement results in a subordination of the CWCB's instream flow water rights to any other water rights junior to those rights, the Applicant must: (1) provide replacement water to prevent injury to those rights so that no subordination of the instream flow 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 instream flow water rights.

- The Applicant's appropriative rights of exchange for storage listed above and decreed herein are and shall be administered as junior in priority to CWCB's instream flow water rights decreed in Case Nos. 87CW274, 87CW275, and 87CW276, Water Division 1.
- When the instream flow water rights on Soda Creek or Little Bear Creek are not met, any depletions greater than the agreed upon amount of 0.048 cfs shall be replaced at or upstream of the depleted instream flow reach.
- Applicant shall install and maintain measuring devices as reasonably requested by the Division Engineer or Water Commissioner for the proper administration of these water rights.

(2) Case No. 1-94CW043 - Application of Boulder Mountain Lodge

The Board ratified this statement of opposition at its July 1994 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed plan for augmentation does not injure the Board's instream flow water rights on Boulder Creek by not replacing out-of-priority depletions in time, place and amount. This case raised additional issues in that some of the Board's water rights on Boulder Creek were donated by the City of Boulder under a donation agreement that does not allow the Board to dispose of its interests in the conveyed water rights without the written consent of the City of Boulder. Staff, in cooperation with the Attorney General's Office and in coordination with the City of Boulder, has negotiated a settlement to ensure that the CWCB's instream flow water right will not be injured. A trial is set to begin on January 17, 2012. Two opposing parties have not yet signed stipulations.

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

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
1-74W7637	Boulder Creek	15	10/1/1973	St. Vrain	Boulder
1-79CW308	Boulder Creek	1	6/1/1862*	St. Vrain	Boulder
1-90CW193	Boulder Creek	Up to 15	Various*	St. Vrain	Boulder

*Acquired water rights

As of the date of this report, the Applicant has agreed to the following terms and conditions:

- Applicant seeks approval of a Plan for Augmentation, with replacement water to be provided by the Applicant's leasehold interest in water rights decreed to Pine Brook, as described herein, water stored in on-site tanks and an on-site swimming pool, and by transporting water for direct release or storage as appropriate and necessary.
- On-site Storage Water: Applicant has approximately 41,800 gallon (0.13 acre feet) of storage capacity in storage tanks, swimming pool and hot tubs. Applicant will deliver water from this on-site storage to Four Mile Creek, adjacent to the Applicant's property when sufficient releases of water, as determined by the Water Commissioner, cannot be made under the Water Lease.

- Transported Water: Applicant owns a water-hauling truck that may be used to transport water purchased from bulk distribution vendors and releasing such water into Four Mile Creek to offset Applicant's stream depletions. Applicant will only use this method of augmentation at times when sufficient releases of water cannot be made under the Water Lease, and with the approval of the Water Commissioner.
- If at any time for any reason the Pine Brook Water District water is not available as a source of augmentation for the Plan of Augmentation decreed herein, Applicant shall provide replacement water of sufficient quality and quantity in the appropriate location and timing to prevent injury to other water rights.

(3) 1-09CW185 – Application of Crystal Lakes Water and Sewer Association, Inc.

The Board ratified this statement of opposition at its March 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 right did not injure the Board's instream flow water rights on Killpecker Creek, North Fork of Lone Pine Creek, Lone Pine Creek, and North Fork Cache la Poudre River. A request for inundation as a result of the change of water right was approved by the Board at the November 15-16, 2011 meeting for CWCB's water right on North Fork Lone Pine Creek. 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 rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
1-85CW421	North Fork Lone Pine Creek	1.5	11/8/1985	Cache la Poudre	Larimer
1-85CW433	Lone Pine Creek	3.5	11/8/1985	Cache la Poudre	Larimer
1-87CW291	Killpecker Creek	1.0/0.4	12/11/1987	Cache la Poudre	Larimer
1-87CW291A	Killpecker Creek	2.0/1.0	12/11/1987	Cache la Poudre	Larimer
1-85CW420	North Fork Cache la Poudre	5.0	11/8/1985	Cache la Poudre	Larimer
1-85CW427	North Fork Cache la Poudre	8.0	11/8/1985	Cache la Poudre	Larimer
1-85CW428	North Fork Cache la Poudre	14.0	11/8/1985	Cache la Poudre	Larimer
1-85CW430	North Fork Cache la Poudre	20.0	11/8/1985	Cache la Poudre	Larimer

The Applicants have agreed to the following terms and conditions:

- Applicant has withdrawn its request to add Lower Lone Pine Lake reservoir as an alternate storage location for water diverted through a pipeline from Killpecker Creek
- CLWSA's decreed plans for augmentation (Case Nos. W-7631-74 and W-8540-77, District Court, Water Division 1), and/or any other previously-decreed case as to which changes were not requested in the present case, are not at issue in this case or changed by this case, and the Water Court has made no precedential findings regarding those plans for augmentation.
- Total annual diversions under the Upper Lone Pine Lake reservoir storage rights shall be limited to 271 acre-feet each year. This includes diversions to storage in Upper Lone Pine Lake, diversions to storage under said rights in Lower Lone Pine Lake, or both.
- Diversions to storage in Lower Lone Pine Lake under each of the changed water rights shall be limited to the quantity of water available in priority at the location of Upper Lone Pine Lake described in paragraph 12.b. Crystal Lakes shall install a gauge to measure the flow of the North Fork of Lone Pine Creek at the existing culvert or other suitable location in the immediate vicinity of the decreed location of the dam of Upper Lone Pine Lake. The gage may be installed as far downstream as the property owned by Crystal Lakes Road and Recreation Association approximately 2500 feet downstream of the decreed location of the dam of Upper Lone Pine Lake.

- Applicant shall pass all out of priority inflows through the subject reservoir.
- In order to protect the 1.5 cfs CWCB instream flow right decreed in Case 85CW421, at any time that Crystal Lakes stores more than 100.5 acre feet of water in Lower Lone Pine Lake in any one water year, it shall pass through Lower Lone Pine Lake at least 1.5 cfs, as measured at a gage which Crystal Lake shall install at the outlet of Lower Lone Pine Lake.

(4) 2-09CW073 – Application of Donala Water and Sewer District

The Board ratified this statement of opposition at its September 2009 meeting. A trial was held beginning on March 8, 2011. The court ruled in favor of CWCB and a subsequent decree was negotiated. The Board's main objective in filing a statement of opposition in this case was to ensure that the Applicant's proposed change of water right did not injure the Board's instream flow water rights on Lake Fork, Halfmoon, and Lake Creeks, and that historical return flows were replaced in time, place and amount to prevent injury to the Board's ISF water rights. 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 rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
2-77CW4654	Lake Fork Creek	15	1/19/1977	Arkansas Headwaters	Lake
2-77CW4645	Halfmoon Creek	7	1/19/1977	Arkansas Headwaters	Lake
2-75CW4271	Lake Creek	15	5/1/1975	Arkansas Headwaters	Lake

The Applicants have agreed to the following terms and conditions:

- At such times as the flow in Lake Fork Creek below the confluence of Lake Fork Creek with Rock Creek is insufficient to meet the 20 cfs instream flow right decreed in Case No. 2-77W4655, releases to meet Non-Irrigation Season Return Flow obligations will be made at or above the instream flow right.
- Non-Irrigation Season Pattern of Releases: When water is diverted and/or stored under the changed WCR Water Rights, Donala will account for a portion of such water as water reserved for the replacement of the upcoming Non-Irrigation Season Return Flows, plus any associated storage and transit loss on that amount. Donala shall release the amount of water required to replace historical non-irrigation season return flows, calculated as a percentage of the total prior Irrigation Season Available Water, as measured at the gages located on the Willow Creek Ranch, according to a monthly table in the decree with a 20-year running minimum annual and monthly averages.
- Beginning in the month after the month in which this decree is signed, in any year in which (1) the provisions of paragraph 15(c) would result in a Non-Irrigation Season Return Flow release of less than or equal to 48 acre-feet, and (2) the streamflow measured at the gages on the Willow Creek Ranch and the in-priority decreed diversion rates of the WCR Water Rights would have allowed diversions resulting in Non-Irrigation Season Return Flows greater than 48 acre-feet, Donala shall release a minimum of 48 acre-feet according to a monthly table in the decree.
- If the streamflow measured at the gages on the Willow Creek Ranch and the in-priority decreed diversion rates of the WCR Water Rights would allow diversions resulting in non-irrigation return flows of less than 48 acre-feet pursuant to the provisions of paragraph 15(c), and Donala elects not to divert and/or use such allowed diversions, then Donala shall make Non-Irrigation Season Return Flow releases in the amount calculated pursuant to the provisions of paragraph 15(c) applied to the amount of water Donala could have diverted. In this event, the monthly schedule of releases shall be based on the monthly percentage set forth in paragraph 15(e).

- Donala shall not divert the WCR Water Rights to irrigate lands for which dry-up credit is being taken. A dry-up covenant has been executed and recorded in Lake County for approximately 60 acres of land on the Willow Creek Ranch. A dry-up covenant in the form of **Exhibit F** will be executed and recorded for the remaining Willow Creek Ranch acreage.
- Any of the WCR Water Rights may be diverted at the alternate points of diversion/places of storage only to the extent that such right is in priority and water is physically and legally available at the measurement gages described in paragraph 16(c). When diverting the WCR Water Rights for the New Uses, Donala will not divert at rates in excess of those allowed by paragraph 16(b).
- All future diversions and use of the WCR Water Rights changed herein shall be made pursuant to the terms of this decree and subject to the diversion and return flow rates set forth above. Donala shall install and maintain measuring devices and shall keep records and shall report to the Division Engineer as reasonably required by the Division Engineer or Water Commissioner.

(5) 3-10CW102 - Application of Jack Morris / Last Chance Mine

The Board ratified this statement of opposition at its September 2010 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's claimed 1891 appropriation date for 1 cfs did not injure the Board's instream flow water rights on West Willow Creek and the Rio Grande River. 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 has appropriated the following instream flow water rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
3-84CW171	West Willow Creek	2.0	8/16/1982	Rio Grande	Mineral
3-83CW39	Rio Grande River	150/65	8/16/1982	Rio Grande	Mineral
3-83CW42	Rio Grande River	160/80	8/16/1982	Rio Grande	Mineral Rio Grande

The Applicants have agreed to the following terms and conditions:

- The claimed amount was reduced from 1 cfs to 2 gpm (0.0045 cfs) upon the Division Engineer's recommendation.
- The claimed date of appropriation of November 1891 was stipulated.
- A measuring device acceptable to the Division Engineer shall be installed and maintained in good working order by Applicant. Permanent records of all diversions shall be maintained by the structure owner (recorded at least annually) and submitted to the Division Engineer upon request.

(6) Case No. 4-03CW108 – Application of the Upper Gunnison River WCD (Lake San Cristobal)

The Board ratified the statement of opposition filed in this case at its November 2003 meeting. The original stipulation was reported to Board in November 2010. Since that time, a protest was filed to the Referee's Ruling, which prompted additional negotiations. The Board's main objective in filing its statement of opposition was to ensure that the Applicant's proposed storage water right and operation of the plan for augmentation would not injure the Board's natural lake level (NLL) water right on Lake San Cristobal. An injury with mitigation proposal was considered and approved by the Board in 2010.

CWCB Case No.	Stream/Lake	Amount (AF)	Lake Level (ft)	Approp. Date	Watershed	County
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4-W3366-77	Lake San Cristobal	13,545	8,995	05/12/1976	Gunnison River	Hinsdale
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The Board holds the following natural lake level water right that could have been injured by this application:

The District and the CWCB have reached a settlement regarding the injury to the CWCB water right pursuant to Rule 8i(3) of the *Rules Concerning the Colorado Instream Flow and Natural Lake Level Program* (IWM Rule) under the terms of which the District will provide mitigation that enables the CWCB to accept the impact to its water right while continuing to preserve the natural environment to a reasonable degree. The mitigation consists of:

- Utilizing the outlet structure during most years to improve maintenance of a constant lake surface level at the decreed natural lake level of 8,995 feet where it has historically fluctuated;
- Utilizing the outlet structure to store water to provide replacement water for out-of-priority diversions on the Lake Fork of the Gunnison River, and to release water from the impoundment of the outlet structure that will supplement CWCB instream flow water rights in the Lake Fork of the Gunnison River downstream from Lake San Cristobal (these instream flow rights are entitled to call the river when flows fall below their decreed rates, but without the impoundment there would be little or no replacement water available);
- Dedicating 200 acre-feet of water stored in priority in Lake San Cristobal under the storage rights decreed herein for use as directed by the CWCB, in its discretion, to preserve the natural environment to a reasonable degree under its water rights decreed in Case Nos. 80CW097 and 80CW119. Notwithstanding any other provision of this decree, this 200 acre-feet of water will be released solely on such terms and according to a schedule as directed by the CWCB in consultation with the Colorado Division of Parks and Wildlife.

The settlement with the CWCB includes the following terms and conditions:

- The Enterprise will not store water in Lake San Cristobal under this Decree until the outlet structure is in place and fully operational, and the dedication required by paragraph ☐ above has been delivered to the CWCB, thus providing the agreed-upon mitigation measures.
- The outlet structure must be maintained permanently as a condition of making releases from Lake San Cristobal.
- CWCB staff and Colorado Division of Parks and Wildlife staff shall have access to the outlet structure and the Reservoir at all times for the purpose of inspecting the structure and, if necessary, to perform biological lake monitoring; provided, however, that the Enterprise shall receive written notice of the date and time of any such inspection or testing at least fourteen days prior to the date of inspection or testing and shall be provided with the results of the testing and a copy of any report prepared as a result of such inspection or testing.
- If the Enterprise ceases to utilize the outlet structure when hydrologic conditions permit to improve maintenance of a constant lake surface level at the decreed natural lake level of 8,995 feet, or ceases in dry years to release water from the impoundment that supplements CWCB instream flow water rights in the Lake Fork of the Gunnison River downstream from Lake San Cristobal, all in accordance with this Decree, the CWCB will no longer accept the injury to the NLL Right. In such case, if the CWCB places a call for the natural lake level water right, the CWCB will notify the Division Engineer this provision of this Decree is now in effect and that the CWCB is not accepting the injury.
- All water released from Lake San Cristobal for the benefit of the CWCB pursuant to the injury with mitigation agreement described in paragraph 34 shall be available for diversion, for power generation only, by the Crooke's Falls Flume hydroelectric facility located on the Lake Fork of the Gunnison River in Hinsdale County, Colorado; provided, however, that at those specific times when: (1) such

releases are necessary and are being made to satisfy the CWCB's instream flow decreed in Case No. 80CW097, and (2) such instream flow right is lawfully calling for water, and (3) the District and Enterprise are in compliance with their stipulation with Daniel L. Plies in this case, then the Crooke's Falls Flume may divert the amount of such releases that is needed to satisfy such instream flow right only if the location of the facility's discharge of hydropower return flows to the Lake Fork has not been moved downstream from its location on the date of this Decree.

- This court shall retain jurisdiction indefinitely to enforce the terms of the settlement with the CWCB as a water matter.
- The injury with mitigation agreement incorporated in this Decree shall not otherwise interfere with the regular administration of the NLL Right, or the water rights decreed herein, in priority consistent with Colorado water law. The water rights decreed herein shall be administered in priority against all other water rights. The injury with mitigation settlement incorporated in this Decree shall not result in the CWCB subordinating the NLL Right to any other water rights that are junior to that water right. The CWCB is allowing the District and the Enterprise to cause impact to the NLL Right as specified in this Decree only because the proposed mitigation will enable the CWCB to continue to preserve the natural environment to a reasonable degree.
- After the date of this Decree, the Enterprise shall not include in this plan for augmentation any structure which the owner proposes to augment by exchange that is located within or upstream of the reach of a senior decreed CWCB instream flow water right without completing an analysis and procedure regarding exchange potential as set forth in the decree.

(7) Case No. 5-08CW197 - Application of Aspen School District RE-1

The Board ratified this statement of opposition at its March 2009 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 do not injure the Board's instream flow water rights on Woody Creek and the Roaring Fork River by not replacing out-of-priority depletions in time, place and 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 rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
5-76W2938	Woody Creek	6 (01/1-12/31)	1/14/76	Roaring Fork River	Pitkin
5-85CW646	Roaring Fork River	55 (04/01 – 09/30) 30 (10/1-03/31)	11/8/85	Roaring Fork River	Pitkin

The Applicants have agreed to the following terms and conditions:

- During the irrigation season, Applicant will replace 100% of depletions through the bypass at the Waco Ditch headgate of historic consumptive credits attributable to the dry-up of 1.25 acres previously irrigated by the Waco Ditch.
- The Applicant's appropriative right of exchange described below is junior to the CWCB's instream flow water right, and the exchange shall only operate when it is in priority. If the CWCB places a call under its instream flow water right that is recognized and administered by the Water Commissioner or the Division Engineer, the Applicant shall not operate its exchange and shall replace all depletions to the Roaring Fork River with replacement sources accruing to Woody Creek upstream of its confluence with the Roaring Fork River.
- Historically, the CWCB's instream flow has not placed a call during the non-irrigation season (October to April). However, in the event the stream conditions change in the future and the CWCB

places a call under its instream flow water right that is recognized and administered by the Water Commissioner or the Division Engineer during the non-irrigation season, Applicant will either construct or obtain sufficient storage that could release water to Woody Creek upstream of its confluence with the Roaring Fork River to off-set the out-of priority depletions from the West Ranch Phase 2 Well within one year after the call.

(8) Case No. 5-04CW060 - Application of Vail Associates, Inc.

The Board ratified this statement of opposition at its July 2004 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed plan for augmentation does not injure the Board's instream flow water rights on Gore Creek and the Eagle River by not replacing out-of-priority depletions in time, place and amount. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCBC's instream flow water right will not be injured.

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

CWCBC Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
5-77W3636	Gore Creek	22/8	7/27/77	Eagle River	Eagle
5-86CW216	Gore Creek	14	5/9/86	Eagle River	
5-78W3796	Eagle River	50/20	5/12/78	Eagle River	Eagle
5-80CW134	Eagle River	85/35	3/17/80	Eagle River	Eagle
5-80CW126	Eagle River	110/45	3/17/80	Eagle River	Eagle
5-80CW124	Eagle River	130/50	3/17/80	Eagle River	Eagle

The Applicants have agreed to the following terms and conditions:

- So as to assure the operation of the subject augmentation plan, Vail will install and maintain such water measuring devices and implement such accounting procedures as may be required to ensure compliance with the terms of this decree and verify that, after accounting for transit losses, the amount of augmentation water equals the amount of consumptive use resulting from the out-of-priority diversions augmented herein. However, nothing contained in this decree shall modify the measurement and accounting obligations of any entity or individual contained in any previously entered decrees.
- The 20 shares of Eagle Park Reservoir water used in this plan for augmentation derive from the 420 shares of stock issued to Vail via Eagle Park Reservoir Company Stock Certificate No. 48. The 20 share portion of the 420 shares in Stock Certificate No. 48 will be dedicated to this plan for augmentation and the remaining 400 shares will be available for other lawful uses by Vail. However, by April 15th in any year, Vail may notify the Division Engineer that it will not be using the subject well in that year, and Vail may then use the 20 shares for any lawful purpose during said year. Vail may also elect to submit a one-year projection identifying: (1) the monthly pumping and maximum, potential, monthly out-of-priority depletions for the upcoming year assuming a year-round senior call and, (2) identify the number of shares necessary to cover all such depletions, including all lagged depletions, consistent with the terms and conditions of this decree. Upon approval of the projection by the Division Engineer, any excess shares under such a projection may be used by Vail, its successors or assigns, for any other lawful use of such shares. If Vail elects to submit such a projection, Vail shall not exceed the projected monthly pumping and maximum monthly depletions set forth in Vail's projection.
- The Water Court shall retain jurisdiction for reconsideration of injury to the vested rights of others for a period of five (5) years from the date Applicant provides written notice to the CWCBC, the Engineers and the Court that the plan for augmentation has operated.

STATE OF COLORADO

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

1313 Sherman Street, Room 721
 Denver, Colorado 80203
 Phone: (303) 866-3441
 Fax: (303) 866-4474
 www.cwcb.state.co.us



December 19, 2011

Kimberly D. Bose, Secretary
 Federal Energy Regulatory Commission
 888 First Street NE
 Washington, D.C. 20426

John W.
 Hickenlooper
 Governor

Mike King
 DNR Executive
 Director

COMMENTS ON NOTICE OF PRELIMINARY PERMIT
 APPLICATION ACCEPTED FOR FILING AND SOLICITING
 COMMENTS, MOTIONS TO INTERVENE, AND COMPETING
 APPLICATIONS, WYCO POWER AND WATER, INC., COLORADO
 AND WYOMING (FERC PROJECT NO. P-14263)

Jennifer L. Gimbel
 CWCB Director

Dear Ms. Bose:

The Colorado Water Conservation Board (CWCB) has reviewed the Federal Energy Regulatory Commission's (FERC) subject public notice dated October 24, 2011, and the associated preliminary permit application for the Regional Water Supply Project (RWSP). It is our understanding that Wyco Power and Water, Inc. (Wyco) filed its preliminary application to preserve a priority to file a licensing application during the permit term while it studies the feasibility of the RWSP. If, during the course of its feasibility investigations, Wyco decides to pursue licensing with FERC for the RWSP, it will have to prepare a development application that includes a specific Preliminary Application Document and Notice of Intent to initiate the Integrated Licensing Process, and provides additional opportunities for affected parties to comment and intervene. With this understanding, CWCB reserves the state of Colorado's right to intervene if the licensing process is started. In the mean time, we provide the following overarching and specific comments for your consideration.

Overarching Comments:

CWCB would like to acknowledge and emphasize two overarching factors that the state of Colorado considers extremely important. First, three key programs in place on the Colorado River are designed to assist, rather than impede, the development of each Upper Division State's compact apportionment—the Upper Colorado River Recovery Implementation Program and the San Juan River Recovery Implementation Program addressing the four Colorado River endangered fish as well as the Colorado River Salinity Control Program for addressing water quality. It should be recognized throughout the RWSP study process that water project development within a state's compact entitlement is an objective of and is consistent with these

programs. Moreover, impacts to these programs cannot and should not be used to distinguish the RWSP from other water development projects in the Upper Colorado River Basin. Second, Colorado is in the process of conducting several studies concerning the availability, management and need for Colorado River water. CWCB encourages use of these studies as the feasibility analysis proceeds.

Specific Comments:

Water Rights and Administration

As the state to which RWSP's water use will be charged under the Colorado River Compact and the Upper Colorado River Basin Compact, Colorado is very interested in and affected by the legal and administrative feasibility of the RWSP under state water law. Accordingly, the RWSP study process should address how the project will operate under Colorado water law as well as the method by which the firm yield and reliability of the project will be determined to clarify how the implications of the project on Colorado's system of administering water. Furthermore, the study process should also delineate how the project will be administered with respect to other water rights in Wyoming and the impact of Wyoming's administration of water rights on this project's firm yield and reliability. Specifically, the RWSP studies should clarify:

- i. The authority, process, and studies relied upon to verify the availability of water for the RWSP under Colorado's compact apportionment;
- ii. The hydrologic analysis or determination upon which the Federal permitting and contracting parties will rely in considering this project;
- iii. The limitations on annual water availability, if any, that are being considered; and
- iv. How any water service contract and/or Wyoming permit for the RWSP will allow for administration and limit the water available to the project under various hydrologic conditions.

Additionally, Colorado is committed to complying with state and federal laws, and in so doing wants all water development projects in the Upper Basin, public or private, to be held to the same environmental compliance standards. If, for example, the Upper Colorado River Recovery Program and the Biological Opinion for Flaming Gorge Operations provide ESA protection for Utah's Lake Powell Pipeline Project, then they should provide the same protection for the RWSP or any other project diverting out of Flaming Gorge (so long as that project is within a state's compact apportionment).

Project

The Notice of Intent and preliminary permit application documentation do not fully describe the proposed project. A more detailed description of the project is required during preparation of the feasibility studies. Some of the additional information necessary should better clarify:

- i. The actual amount of water projected to be diverted under average, wet and dry conditions considering potential climate change, and description of whether the estimates of available water supply are sustainable under those conditions.
- ii. The project's energy requirements as well as hydropower generation potential.
- iii. Preliminary cost estimates on an acre-foot basis.
- iv. Project financing.

- v. Provisions for Quality Assurance and Quality Control (QA\QC) during project construction should be considered to assure project reliability.
- vi. The estimated costs for operations and maintenance during and following construction should be identified.
- vii. Whether and how the Colorado Public Utilities Commission regulation may affect the price of project water and Wyco's ability to recover its investment.

Environmental Compliance

In regard to any future NEPA or ESA analyses, CWCB requests that it be notified if and when FERC and Wyco move forward. Additionally, the status of NEPA compliance and other federal actions taken or to be taken by federal agencies concerning the RWSP should be clearly set forth. As part of this clarification, CWCB has the following questions to consider:

- i. How will the NEPA process be implemented to address the various federal actions that must be taken in connection with the RWSP?
- ii. Which agency is expected to be the lead for applying the NEPA process to the RWSP?
- iii. What is the timeline for performing and finalizing the processes in the future?

Contracting Process and Provisions

Given the complexity of the RWSP, the following questions regarding contracting process and provisions should also be addressed as part of the feasibility process:

- i. Will the FERC process be adequate to cover Reclamation contracting if a license was successfully completed allowing the project to proceed? Please outline the sequence of events.
- ii. What happens if the RWSP is done in stages, will this NEPA process cover all stages of development?
- iii. What would be the duration of any Reclamation contract, and if not permanent, what would be its term of renewability? Is a perpetual contract for a project of this size possible?
- iv. Is there a process, other than the FERC licensing process, that will provide the state of Colorado the opportunity for additional input prior to federal consent to terms on any water service contract for the project?
- v. Will Reclamation have to determine the cost for a stand-by contract or for a long-term water service contract for the project as part of the FERC process?
- vi. Will a FERC license provide the opportunity for provisions related to the Operation, Maintenance and Replacement of the pipeline and other facilities?

Project Ownership and Management

With regard to project ownership and management of the RWSP components, the feasibility studies should provide the financial analysis demonstrating the end retailer's ability to pay or otherwise finance the debt associated with the project.

CWCB's comments and questions are not intended in any way to demonstrate opposition to or support for the RWSP. Rather, at this time, DNR appreciates the attention and effort that FERC and Wyco have and will provide regarding the RWSP, and requests the opportunity to intervene

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December 19, 2011

to address our interests and ensure proper development and administration if the project moves forward. Should there be any questions or comments regarding this letter or the state's interest in the RWSP, please contact the Section Chief for Federal and Interstate matters at the Colorado Water Conservation Board, Ted Kowalski, at (303)-866-3441 or ted.kowalski@state.co.us at the earliest convenience.

Sincerely,

A handwritten signature in cursive script that reads "Jennifer Gimbel". The signature is written in dark ink and is positioned above a horizontal line.

Jennifer Gimbel
Director
Colorado Water Conservation Board

cc: Colorado Water Conservation Board Members:

COLORADO WATER CONSERVATION BOARD

Water Supply Reserve Account - Balance Summary

December 31, 2011

Fund Appropriation and Receipts				
Fiscal Year	Legislative Appropriation	Funds Received	Statewide Account	Basin Account
2006/2007	\$10,000,000	\$10,000,000	\$5,500,000	\$4,500,000
2007/2008	\$6,000,000	\$6,000,000	\$4,200,000	\$1,800,000
2008/2009	\$10,000,000	\$7,000,000	\$4,300,000	\$2,700,000
2009/2010	\$5,775,000	\$5,775,000	\$4,215,750	\$1,559,250
2010/2011	\$6,000,000	\$6,000,000	\$4,380,000	\$1,620,000
2011/2012	\$7,000,000	\$2,800,000	\$2,044,000	\$756,000
TOTAL	\$44,775,000	\$37,575,000	\$24,639,750	\$12,935,250

Note: The WSRRA is a Severance Tax "Tier II" program with 40% of funds distributed on July 1, 30% on January 1, and the final 30% on April 1.
In FY 2008/2009 the final 30% installment of \$3,000,000 was not received due to the State's budgetary shortfall.

For FY 2011/2012 the first installment of 40% was received on July 1, resulting in \$2,044,000 for the Statewide Account and \$84,000 for each Basin Account.

Fund Distribution					
Basin	Approved Basin Grants	Total Basin Funds	Basin Account Balance	Approved State Grants	Statewide Account Balance
Arkansas	\$1,237,550	\$1,437,250	\$199,700	\$3,498,692	
Colorado	\$995,656	\$1,437,250	\$441,594	\$2,410,043	
Southwest	\$1,314,946	\$1,437,250	\$122,304	\$4,463,966	
Gunnison	\$1,222,572	\$1,437,250	\$214,678	\$1,001,803	
Metro	\$1,089,929	\$1,437,250	\$347,321	\$1,925,268	
North Platte	\$1,036,483	\$1,437,250	\$400,767	\$311,027	
Rio Grande	\$1,247,365	\$1,437,250	\$189,885	\$3,518,543	
South Platte	\$1,175,857	\$1,437,250	\$261,393	\$2,550,566	
Yampa/White	\$1,181,374	\$1,437,250	\$255,876	\$431,813	
TOTAL	\$10,501,732	\$12,935,250	\$2,433,518	\$20,111,720	\$4,528,030
TOTAL APPROVED GRANTS	\$30,613,452				

Note: Only includes grants approved by CWCB

WSRA Open Grant Projects - Board Approved - Not Yet Contracted

Updated 01/06/12

Basin	County	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Account Approved	Total Request	Type of Water Activity	PM	Action/Comments/Notes
2011 November Board Approvals										
Rio Grande	Alamosa, Archul, Conejos, Costilla, Hinsdale, RG	Rio Grande Watershed Conservation & Education Initiative	Water 2012: The Rio Grande Basin Partnering for Colorado's Water Future	Nov-11	\$15,600	\$0	\$15,600	Study/implementation of nonstructural, consumptive & nonconsumptive water project.	Jacob	
Gunnison	Mesa	Grand Mesa Reservoir Company	Lining Outlet Pipe for Grand Mesa Reservoir #6	Nov-11	\$19,840	\$0	\$19,840	Structural water activity	Todd	
2011 September Board Approvals										
Gunnison		Colorado State University Extension (with: Colorado Water Institute and Colorado Climate Center)	Agricultural Weather Data Delivery Improvements to Uncompahgre Valley Irrigators	Sep-11	\$77,093	\$35,254	\$112,347	Nonstructural consumptive water project	Todd	
Rio Grande	Hinsdale	Conejos Water Conservancy District	Platano Reservoir Crest of Dam Repair	Sep-11	\$15,000	\$135,000	\$150,000	Structural water project	Greg/Kirk	
South Plate	Various	Duck Unlimited, Inc.	South Plate River Phreatophyte Control Pilot	Sep-11	\$35,000	\$30,000	\$65,000	Environmental compliance, feasibility study, technical assistance, structural water project	Todd	
Southwest	La Plata	Lake Durango Water Authority	Source Water Infrastructure Project	Sep-11	\$50,000	\$0	\$50,000	Structural water project	Greg/Kirk	
Yampa/White	Route	The Friends of the Yampa	Yampa River Structures Project	Sep-11	\$50,000	\$0	\$50,000	Structural water project	Jacob	
2011 July Board Approvals										
Arkansas		Pikes Peak Regional Water Authority	Rotating Agricultural Following Public Policy Working Group	Jul-11	\$20,000.00	\$0.00	\$20,000	Study/Analysis of a consumptive and non consumptive project	Todd	1/6/12 Updates to Name change. PO in progress.
Southwest		Pagosa Lakes Property Owners Association	Pagosa Lake Area Village Lake Dam Outlet Pipe Repair Project	Jul-11	\$25,000.00	\$0.00	\$25,000	Structural water project or activity	Greg	
2011 May Board Approvals										
Southwest	La Plata	Lake Durango Water Authority	Source Water Infrastructure Project	May-11	\$0	\$450,000	\$450,000	Structural project or activity	Greg	
Colorado	Mesa	Orchard Mesa Irrigation District	Canal #1 Check Structure Pilot Project at Dalton, Kieler & Springer Properties	May-11	\$25,212.00	\$0.00	\$25,212	Study of a structural project & a structural water project	Jacob	5/31 Congrats
2011 March Board Approvals										
Arkansas/Gunnison		Southeastern Colorado Water Conservancy District	The use of excess storage capacity in Blue Mesa Reservoir to avoid or reduce the impact of a Co River Compact curtailment in Co	Mar-11	\$49,000	\$196,000	\$245,000	Nonstructural project or activity	Todd	5/10 Email from TD to Jean: SOW to Subcommittee...See 5/10 email to Jean VanPelt. No Prod of Ins. "G" Entry. Need SOW appo'l from Todd. Have not seen one to date 4/8/11
Arkansas	Chaffee	Arkansas Headwaters Recreation Area	Helena Diversion Structure/BV Boat Chute Improvement Project	Mar-11	\$35,000	\$290,000	\$325,000	Structural project or activity	Chris	
Gunnison	Delta	Grand Mesa Water Conservancy District, Water Enterprise Fund	The Rehabilitation of Blanche Park Reservoir	Mar-11	\$75,000	\$0	\$75,000	Structural project or activity	Todd/Jacob	
South Plate	Sedgwick, Logan, Morgan, Washington	TBD	Alluvia Aquifer Accretion/Depletion Analysis Tool	Mar-11	\$0	\$200,000	\$200,000		Ray	
Southwest	La Plata	Lake Durango Water Authority	Source Water Infrastructure Project	Mar-11	\$0	\$450,000	\$450,000	Structural project or activity	Greg	See Anna.
2010 November Board Approvals										
Southwest	La Plata	La Plata River and Cherry Creek Ditch Company	Diversion Improvement Project	Nov-10	\$25,000	\$0	\$25,000	Structural consumptive water project	Todd	Rec'd W-9 12/9, 11/18 sent congrats email

ATTACHMENT 11

Southwest	Archuleta	Aspen Springs Metro District	Aspen Springs Metro Water Filling Station	Nov-10	\$30,000	\$0	\$30,000	Structural consumptive water project	Greg	11/18 sent congrats email
2010 Sept Board Approvals										
Colorado	Garfield	Town of Gypsum	L.E.D.E. Ditch and Reservoir Reconstruction Development of a Decision Support Model for Identifying and Ranking Waterflow and Wildlife Related Recharge Projects along the South Plate River	Sep-10	\$50,000	\$175,000	\$225,000	Structural project or activity	Todd	1/5/12 to DNR for approval
South Plate		Ducks Unlimited, Inc.		Sep-10	\$0	\$99,821	\$99,821	Structural project or activity	Todd	
2010 July Board Approvals										
South Plate	Weld, Denver	NCWCD	Data Logger & Telemetry Install Project	Jul-10	\$46,000.00	\$0.00	\$ 46,000.00	Structural project or activity	Todd	07/27 Congrats letter sent requesting insurance, w-9.
2010 May Board Approvals										
Gunnison Basin	Gunnison	Lake San Cristobal Water Activity Enterprise (LSCWAE)	Lake San Cristobal Outlet Structure	May-10	\$150,000	\$0	\$150,000	Structural project or activity	Todd	5/19/10 CWCB Board approved w/ conditions
2009 September Board Approvals										
		Lower Willow Creek Restoration Company	Lower Willow Creek Restoration Project	Sep-09	\$50,000	\$200,000	\$250,000	Structural and/or nonstructural water project or activity	Greg	8/3 Greg to follow up with Applicant. Applicant has requested a change of fiscal agent to the City of Creede to be addressed at the July 2010 CWCB Board Meeting.
2009 July Board Approvals										
Southwest	San Miguel	Town of Sampit	Domestic Water System Construction	Jul-09	\$25,000	\$0	\$25,000	Structural water project or activity	Greg	8/3 Still pending per GJ. 6/8/10 Corresp to Steve Johnson (8750law.com) frm Greg re: req for W-9, Ins and SOIW have not been completed by the Town. Pending

WSRA IN PROGRESS PROJECTS														UPDATED 01/16/12			
Basin	County	Applicant	Name of Water Activity	CWCB Mfg Approved	Basin Account	Statewide Account	Total Request	Type of Water Activity	Number	Amount	Matching Funds Authorized	Matching Funds Paid	Project Final Date Expire Date Closed	Complete/In Progress Contracting Project Manager			
Arkansas	No information on Summary for counties	Colorado State Univ.	Geospatial decision support system for integrated water mgmt	Sep-08	100,000	\$500,000	600,000	Study/analysis of structural/nonstructural, consumptive/non water needs projects	C150441	\$599,931	Unknown		6/30/12	In Progress Andy			
Arkansas	Bert, Kiowa	Lower Arkansas Valley Water Conservancy District	John Martin Wetlands & Neeroshie Reservoir Nonconsumptive Needs Quantification	May-09	148,975	\$0	148,975	Study/analysis of nonconsumptive water needs	C150457		\$43,250		6/30/12	In Progress Jacob			
Arkansas	Chaffee,Lake, Sequache	Upper Arkansas Water Conservancy District	UAWCD Hydrologic Water Balance Study	Sep-09	\$0	\$180,000	180,000	Study or analysis of non structural, nonconsumptive water needs and projects	C150460	\$180,000			6/30/13	In Progress Todd			
Arkansas	Pueblo	City of Pueblo	Bedload/Sediment Collection and Removal Technology - Fountain Creek	Sep-09	\$75,000	\$150,000	\$225,000	Study or analysis of structural, non structural, nonconsumptive water needs, projects	C150465	\$225,000			6/30/13	In Progress Todd			
Arkansas	Adams,Clairo	Water Enviro Research Foundation	Demonstration of membrane zero liquid discharge process for drinking water systems	Sep-08	\$25,000	\$233,333	\$258,333	Technical assistance regarding permitting feasibility studies and environmental compliance	C150466	\$258,333			6/30/13	In Progress Gieg			
Arkansas		Colorado Foundation for Water Education	Raising Awareness in 2012 : A Statewide Celebration of Colorado Water	Mar-11	\$0	\$30,515	\$30,515	Nonstructural project or activity	110000000113	\$30,515	\$52,070		12/31/12	In Progress Jacob			
Arkansas	Las Animas	Purgatoire River Water Conservancy District	Trinidad/Purgatoire River Reach 4 Demonstration Project	Jan-11	\$75,000	\$0	\$75,000	Structural and Non-structural water activity	110000000131	\$75,000			12/31/12	In Progress Chris S.			
Arkansas	Various	Sangre de Chisto RC&D Council Inc.	A Multi-Media Program for Reporting Crop and Turf Water Use Estimates	May-11	\$9,394.00	\$37,577.00	\$46,971	Structual & Non-structural water Activity	121BC0000006	\$46,971	\$9,394.20		6/30/15	In Progress Todd			
Arkansas		Lower Arkansas Valley Water Conservancy District	Super Ditch Delivery Engineering	Mar-11	\$0	\$225,837	\$225,837	Nonstructural project or activity	C150490	\$225,837	\$56,460.0		12/31/12	In Progress Todd			
Arkansas	N/A	Pikes Peak Regional Water Authority/EI Paso Cnry Wtr Authority	Basin Rounable Project Exploration Committee: Flaming Gorge	Sep-11	\$5,300	\$7,143	\$12,443	Study of structural, consumptive & nonconsumptive water project	121BC0000012	\$12,443	\$5,300		12/31/12	In Progress Eric			
Arkansas	Pueblo	Fountain Creek Watershed Greenway and Flood Control District	Flathead chub movement associated with the Clear Springs Ranch diversion structure in Fountain Creek	Sep-10	\$7,000.00	\$28,000.00	\$35,000	Studies or analysis of structural, nonstructural, consumptive, nonconsumptive water needs, projects	121BC0000009	\$35,000	\$7,000		4/1/2012	In Progress Todd			
Arkansas	Number of Projects	11			345,689	\$1,392,405	1,738,074										
Colorado	Garfield, Eagle, Grand Pitkin, Eagle, Garfield, Summit,Mesa	Basalt Water Conservancy District	Missouri Heights	Sep-07	25,000	\$0	25,000	Non-structural study--ground water monitoring, phase II	8000000049	\$25,000	\$25,000		1/31/13	In Progress Jacob			
Colorado		Northwest Colorado Council of Governments	Colorado Basin Nonconsumptive Needs Quantification	Mar-09	315,171	\$0	315,171	Nonstructural study of nonconsumptive needs	C150451	\$315,171	\$25,000		6/30/12	In Progress Jacob			
Colorado	Garfield	Trout Unlimited Chapter	Battlement Reservoir #3 Dam reconstruction to enhance recreational & environmental opportunities	Sep-08	\$80,000	\$0	\$80,000	Structural and/or non structural water project or activity	11000000126	\$80,000	\$320,000		12/31/12	In Progress Jacob			
Colorado	Mesa	Mesa Conservation District	Small Acreage Irrigation Audit Program – Grand Valley	Mar-11	\$18,273	\$0	\$18,273	Nonstructural project or activity	121BC000001	\$18,273	\$8,000		6/30/12	In Progress Jacob			
Colorado	N/A	Pikes Peak Regional Water Authority/EI Paso Cnry Wtr Authority	Basin Rounable Project Exploration Committee: Flaming Gorge	Sep-11	\$2,000	\$7,143	\$9,143	Study of structural, consumptive & nonconsumptive water project	121BC0000012	\$9,143	\$2,500		12/31/12	In Progress Eric			
Colorado	Colorado Basin Total Request	6			440,444	\$7,143	447,587										
Southwest	La Plata, Archuleta	La Plata Archuleta Water District	La Plata Archuleta Water District	Sep-09	\$0	\$400,000	400,000	Technical assistance regarding permitting feasibility studies and environmental compliance	C150459	\$400,000	\$150,000		6/30/13	In Progress Gieg			
Southwest	La Plata	Red Mesa Reservoir and Ditch Company	Incremental Damage Analysis (IDA) & Emergency Action Plan (EAP)	May-09	\$29,000	\$0	\$29,000	Study or analysis of structural/nonstructural water needs, projects	1000000061	\$29,000			6/30/12	In Progress Gieg			
Southwest	All Counties in SW Basin	Marcos Valley Resources Inc.	Protecting Irrigated Agricultural Lands and Water Rights for Agricultural Production	Nov-09	\$31,500	\$0	\$31,500	Study/analysis of nonstructural consumptive water project or activity	10000000125	\$31,500			6/30/12	In Progress Todd			
Southwest	La Plata	Florida Mesa Canal Companies	Canal Seepage Reduction Program	Sep-10	\$0	\$775,000	\$775,000	Structural and/	C150475	\$775,000			6/30/13	In Progress Gieg			

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Southwest		La Plata Water Conservancy District	La Plata River Water Resources Operators Model	Mar-11	\$0	\$148,823	\$148,823	Studies or analysis of nonstructural, nonconsumptive water project	C150477	\$148,823								In Progress	6/30/12
Southwest		Town of Rico	Town of Rico Alluvium Pipeline Water Supply Project - Well Drilling and Water Quality Testing	Mar-11	\$20,000	\$88,000	\$88,000	Structural project or activity	11000000122	\$88,000	\$80,000							In Progress	6/30/12
Southwest		Montezuma Valley Irrigation Company	Grounding Reservoir Bathymetric Survey	Mar-11	\$35,000	\$0	\$35,000	Nonstructural project or activity	12BC0000003	\$35,000	\$122,500							In Progress	6/30/12
Southwest	Montezuma, Dolores	San Juan Citizens Alliance	A Way Forward: The Dolores River Below McPhee Reservoir	Nov-10	\$25,000	\$0	\$25,000	Study or analysis of nonstructural, nonconsumptive water activity	12BC0000011	\$55,000								In Progress	12/31/12
Southwest	N/A	Pikes Peak Regional Water Authority/EI Paso City Wtr Authority	Basin Rounable Project Exploration Committee: Flaming Gorge	Sep-11	\$1,000	\$7,143	\$8,143	Study of structural, consumptive & nonconsumptive water project	12BC0000012	\$8,143	\$1,000							In Progress	12/31/12
Southwest Basin Total Request					14	141,500	\$1,398,966	1,540,466											
Number of Projects																			
Gunnison		North Fork Water Conserv District (NFWCD) and Fire Mountain Canak Reservoir Company (FMCO)	Sedimentation Management Study For Peoria Reservoir - North Fork of the Gunnison	Sep-07	79,000	\$230,000	309,000	Study/Analysis	C150414	\$309,000	\$10,000							In Progress	2/28/13
Gunnison	Hinsdale	Upper Gunnison WCD	Lake San Cristobal Outlet Structure Modification--Phase III	Sep-08	0	\$120,960	120,960	Studies or analysis of structural, nonstructural, consumptive, non consumptive water needs	C150444A	\$50,000	\$0							In Progress	6/30/15
Gunnison	Delta	Leroux Creek Wtr Users Association	Hanson Reservoir Outlet Rehab	Jul-10	\$50,000.00	\$0.00	\$	50,000.00	Structural project or activity	11000000068	\$50,000	\$50,000						In Progress	6/30/12
Gunnison Basin	Gunnison	Gunnison County	75 Ditch Diversion Improvements and Feature Enhancements	May-10	\$46,100	\$0	\$46,100	Structural project or activity	12BC0000002									In Progress	6/30/15
Gunnison	Delta	Gunnison Gorge Anglers - Chapter of Trout Unlimited	Relief Ditch Diversion Dam Design	May-11	\$20,650.00	\$0.00	\$20,650	Nonstructural consumptive water project	12BC0000004		\$11,500							In Progress	6/30/12
Gunnison	N/A	Pikes Peak Regional Water Authority/EI Paso City Wtr Authority	Basin Rounable Project Exploration Committee: Flaming Gorge	Sep-11	\$2,000	\$7,143	\$9,143	Study of structural, consumptive & nonconsumptive water project	12IBC0000012	\$9,143	\$2,000							In Progress	12/31/12
Gunnison	Delta	Painted Sky Development and Resource Council	Hartland Dam Improvements	Sep-11	\$53,100	\$0	\$53,100	Structural water project	12IBC0000008	\$53,100	\$1,200,000.000							In Progress	3/31/13
Gunnison Basin Total Request					250,850	\$358,103	608,953												
Number of Projects					7														
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	Technical assistance regarding permitting feasibility studies and environmental compliance; and study or analysis of structural project or activity	C150470	\$600,000	\$1,125,000							In Progress	6/30/13
Metro	Douglas	Douglas County Water Resource Authority	Rouay Sprinkler Nozzle Retrofit	Sep-10	\$0	\$250,000	\$250,000	Structural project or activity	C150471	\$250,000	\$87,500							In Progress	6/30/13
Metro	Douglas	Rural Water Authority of Douglas County	Rural Douglas County groundwater-level monitoring network	Sep-10	\$28,283	\$84,792	\$113,055	Study or analysis of nonstructural project or activity	C150473	\$113,055	\$60,880							In Progress	6/30/13
Metro	Douglas, Arapahoe	South Metro Water Supply Authority	Aquifer Recharge Pilot Study	Sep-10	\$0	\$125,000	\$125,000	Study or analysis of consumptive water project or activity	C150474	\$125,000								In Progress	6/30/13
Metro		South Metro Water Supply Authority	Aquifer Recharge Pilot Study	Sep-09	\$0	\$425,000	\$425,000	Study or analysis of consumptive water project or activity	C150474	\$425,000								In Progress	6/30/13
Metro	Den,Douglas,Adams	Colorado Foundation for Water Education	Educating Denver Metro elected officials and decision makers on solutions-oriented water supply planning	Jan-11	\$14,820	\$0	\$14,820	Non-structural water activity	11000000083	\$14,820	\$0							In Progress	6/30/12
Metro	Adams,Otero	Water Enviro Research Foundation	Demonstration of membrane zero liquid discharge process for drinking water systems	Sep-08	\$50,000	\$233,333	\$283,333	Technical assistance regarding permitting feasibility studies and environmental compliance	C150466	\$233,333								In Progress	6/30/13
Metro	Denver	The Greenway Foundation	Habitat Improvement Preliminary Design	Sep-11	\$25,000	\$125,000	\$150,000	Study/analysis of a nonconsumptive project	C150493	\$150,000	\$25,000.00							In Progress	6/28/13
Metro	N/A	Pikes Peak Regional Water Authority/EI Paso City Wtr Authority	Basin Rounable Project Exploration Committee: Flaming Gorge	Sep-11	\$8,700	\$7,143	\$15,843	Study of structural, consumptive & nonconsumptive water project	12IBC0000012	\$8,700	\$15,843							In Progress	12/31/12
Metro Basin Total Request					9	226,783	\$1,750,268	1,977,051											

North Plate	USFS	Effects of Min pine beetle & forest mgmt on water quantity, quality, & forest recovery N.P. and Upper CO River basins	Sep-08	212,306	\$164,618	376,923	Studies or analysis of nonstructural project or activity	C150440	\$376,923	In-Kind	6/30/13	In Progress	Greg
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	Studies or analysis of consumptive water needs project or activity	C150438	\$100,818	Volunteer	6/30/14	In Progress	Greg
North Plate	Jackson	North Park Irrigated Meadow Conservation Program - Phase I Solicitation of stakeholder input through production of a North Plate Basin Education Package	May-10	\$20,000	\$0	\$20,000	Environmental compliance and feasibility study. Technical assistance regarding permitting, feasibility studies, and environmental compliance.	10000000126	\$20,000	\$41,338	6/30/12	In Progress	Greg
North Plate	Jackson	Colorado Foundation for Water Education	Jan-11	\$14,040	\$0	\$14,040	Non-structural water activity	11000000084	\$14,040	\$0	6/30/12	In Progress	Jacob
North Plate	Jackson	Jackson County Water Conservancy District	Sep-11	\$128,828	\$0	\$128,828	Structural water project	C150486	\$128,828	\$26,383	12/31/12	In Progress	Greg
North Plate Basin Total Request			5	425,583	\$215,027	640,609							
Rio Grande	Santa Maria Reservoir Company	Santa Maria and Continental Reservoirs: Rehabilitation and Multiple Use Studies	Sep-08	50,000	\$141,700	191,700	Studies or analysis of nonstructural project or activity. Structural and/or nonstructural water project or activity	C-150443		\$18,300	6/30/12	In Progress	Kirk
Rio Grande	Colorado Rio Grande Restoration Foundation	2008 Rio Grande Riparian Stabilization Project	Sep-08	35,000	\$250,000	285,000	Structural and/or nonstructural water project or activity	C150452		\$366,000	12/31/12	In Progress	Chris S.
Rio Grande	Colorado Rio Grande Restoration Foundation	Rio Grande Conservation Reserve Enhancement Program (CREP) Phase II - Implementation	Sep-09	31,500	\$0	31,500	Environmental compliance & feasibility study, technical assist regarding feasibility studies & environmental compliance, analysis of consumptive & nonconsumptive water projects	10000000056		\$0	12/31/12	In Progress	Greg
Rio Grande	Manassas Land and Irrigation Company	Conejos North Branch Water Conservation and Management	Jan-11	\$75,000	\$0	\$75,000	Structural project or activity	110000000109	\$75,000		6/30/12	In Progress	Greg
Rio Grande	Hinsdale	Santa Maria & Continental Reservoirs: Priority Studies to Restore Capacity	May-11	\$22,000.00	\$0.00	\$22,000	Studies or analysis of structural consumptive water project project or activity. (Note: Statewide request to be considered at September board meeting)	C150443	\$22,000		6/30/12	In Progress	Kirk
Rio Grande	Alamosa	The Colorado Rio Grande Restoration Foundation	May-10	\$50,000	\$89,000	\$148,000	Study of structural, consumptive & nonconsumptive water project	C150486	\$148,000	\$352,000	12/31/14	In Progress	Chris S.
Rio Grande	N/A	Pikes Peak Regional Water Authority/EI Paso City Water Authority	Sep-11	\$1,000	\$7,143	\$8,143	Structural water project	121BC0000012	\$8,143	\$1,000	12/31/12	In Progress	Eric
Rio Grande	Rio Grande	The Colorado Rio Grande Restoration Foundation and McDonald Ditch Company	Sep-11	\$20,000	\$275,000	\$295,000	Structural water project	C150492	\$295,000	\$593,000	3/31/15	In Progress	Chris S.
Rio Grande	Costilla	Sanchez Ditch & Reservoir Company	Sep-11	\$10,000	\$85,000	\$95,000	Study of structural & nonstructural, consumptive & nonconsumptive water project	121BC0000013	\$95,000	\$33,160	7/31/2012	In Progress	Greg
Rio Grande Basin Total Requests			9	294,500	\$866,843	1,151,343							
South Plate	District 64 Reservoir Company	Ovid Reservoir Comprehensive Feasibility Study	Sep-07	176,000	\$0	176,000	Study/Analysis of Structural Water Project	C150417	\$176,000	\$1,000,000	12/31/11	In Progress	Todd
South Plate	South Plate	Wild County School Dist RE1 Wetland Partnership	Jul-08	42,110	\$0	42,110	Structural water project or activity	9000000063	\$42,110	\$160,000	8/31/12	In Progress	Todd
South Plate	South Plate	Ducks Unlimited	Sep-08	0	\$825,552	825,552	Structural and/or nonstructural water project or activity	C150432	\$825,552	\$2,000,000	6/30/12	In Progress	Todd
South Plate	South Plate	The Nature Conservancy of Colorado	Sep-08	19,984	\$79,936	99,920	Studies or analysis of nonstructural project or activity. Structural and/or nonstructural water project or activity	09000000084	\$99,920	\$471,920	12/31/09	In Progress	Todd
South Plate	South Plate	Ducks Unlimited, Inc.	Mar-09	150,000	\$0	150,000	Environmental Compliance and Feasibility Study and Structural Water Project	C150454		\$565,000	6/30/11	In Progress	Greg
South Plate	South Plate	Fort Morgan Reservoir and Irrigation Company (FMRICo)	Sep-09	\$250,000	\$420,000	\$670,000	Structural and/or nonstructural water project or activity	C150464	\$670,000		6/30/12	In Progress	Todd
South Plate	South Plate	Co Climate Center, CSU	Jul-10	\$20,000.00	\$0.00	\$20,000.00	Structural project or activity	110000000079	\$20,000		6/30/12	In Progress	Greg

South Plate	Morgan, Washington, Logan, Sedgwick	Lower South Plate Water Conservancy District	Lower South Plate Water Cooperative South Plate Basin Organizational Analysis	Sep-10	\$60,977.00	\$200,000.00	\$260,977.00	Studies or analysis of structural, nonstructural, consumptive, nonconsumptive water needs, projects	C150476	\$260,977	\$100,000	6/30/12	In Progress	Todd
South Plate	Adams, Otero	Water Enviro Research Foundation	Demonstration of membrane zero liquid discharge process for drinking water systems	Sep-08	\$25,000	\$233,333	\$258,333	Technical assistance regarding permitting feasibility studies and environmental compliance	C150456	\$258,333		6/30/13	In Progress	Greg
South Plate	Denver	The Greenway Foundation	South Plate River Recreation and Habitat Improvement Preliminary Design	Sep-11	\$25,000	\$125,000	\$150,000	Study/analysis of a nonconsumptive project	C150493	\$150,000	\$25,000.00	6/28/13	In Progress	Chris S.
South Plate	N/A	Pikes Peak Regional Water Authority/EI Paso City Water Authority	Basin Roundtable Project Exploration Committee - Flaming Gorge	Sep-11	\$2,000	\$7,143	\$9,143	Study of structural, consumptive & nonconsumptive water project	12BIC0000012	\$9,143	\$2,000	12/31/12	In Progress	Eric
Number of Projects		South Plate Basin Total Request	11		771,071	\$1,890,964	2,662,035							
YVWG	Rio Blanco/Garfield/Moffat	Town of Yampa	Town of Yampa Water Facilities Plan and storage tank upgrades	Sep-08	61,062	\$0	61,062	Studies or analysis of structural and consumptive water needs projects or activity. Structural and/or nonstructural water project or activity	9000000090		\$15,628	9/30/12	In Progress	Todd
YVWG		The Nature Conservancy	Yampa White Basin Non consumptive Needs Assessment Watershed Flow Evaluation Tool	Jan-10	\$169,002.35	\$0.00	\$169,002	Study/analysis of nonconsumptive water project or activity	C150466			6/30/12	In Progress	Jacob
YVWG	Garfield/Rout	Bear River Reservoir Company	Siltwater Reservoir Seepage Project	Sep-09	\$189,000	\$0	\$189,000	Structural and/or nonstructural water project or activity	C150469			6/30/12	In Progress	Jacob
YVWG	Rout	Colorado Climate Center, Colorado Division of Water Resources	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	Studies or analysis of structural, nonstructural, consumptive, nonconsumptive water needs, projects	110000000058		\$20,978	6/30/15	In Progress	Greg
YVWG	Rio Blanco/Garfield/Moffat	Colorado River WCD	Water Storage Feasibility	Jan-10	\$220,800	\$0	\$220,800	Technical assistance regarding permitting, feasibility studies, and environmental compliance. Study of Structural Project	C150472	\$220,800	\$56,200	6/30/13	In Progress	Jacob
YVWG		Moffat County Natural Resources Department	Yampa-White Basin Projects and Methods Analysis	Mar-11	\$38,000	\$152,000	\$190,000	Nonstructural project or activity	C150481	\$190,000		12/31/12	In Progress	Jacob
YVWG	Rout	The Upper Walker Ditch Company	Yampa River/Walker Ditch River Restoration Project	Mar-11	\$20,000	\$20,000	\$40,000	Structural project or activity	12BIC0000010	\$40,000	\$92,250	12/31/12	In Progress	Chris
Number of Projects		YVWG Basin Total Request	7		707,864	\$182,978	890,842							
Total WSRA Project In Progress		79			\$3,604,263.81	\$8,052,696.73	\$11,656,960.54							

Basin	County	Applicant	Name of Water Activity	CWCB Mtg Approved	Basin Account	Statewide Account	Total Request	Type of Water Activity	Number	Match Funds Authorized	Match Funds Paid	Expire	Closed	PM	
Arkansas	Pueblo,Otero/ Crowley, Bent, Powers, Fremont, Chaffee, ElPaso, Kiowa	Southeastern Colorado Water Conservancy District	Tamarrisk	Mar-07	\$0	\$50,000	\$50,000	Study/analysis of nonstructural water activity	8000000005				06/30/09	Todd	Completed
Arkansas	El Paso	El Paso County Water Authority	Upper Black Squirrel Creek Aquifer Recharge Investigation	Mar-07	\$45,200	\$0	\$45,200	Study or Analysis of Structural Project	8000000011					Andy	Completed
Arkansas	El Paso	El Paso County Water Authority	Ground Water Conference Fountain Creek Vision Task Force	Mar-07	\$24,721	\$0	\$24,721	Study/analysis of nonstructural activity	8000000010			10/10/07	06/30/09	Andy	Completed
Arkansas	Pueblo, ElPaso, Teller	Pueblo and El Paso Counties Round Mountain Water & Sanitation District	Round Mountain Water & Sanitation District Water System Improvements Project	May-07	\$75,000	\$0	\$75,000	Facilitation and Analysis	8000000084			06/30/09	06/30/09	Eric	Completed
Arkansas	Custer	Round Mountain Water and Sanitation District		May-07	\$120,000	\$0	\$120,000	Structural Water Project	C150403			09/02/09	09/17/09	Todd	Completed
Arkansas	El Paso, Elbert, Lincoln	Upper Big Sandy Ground Water Management District	Upper Big Sandy Water Balance	Jan-08	\$45,000		\$45,000	Study/analysis of nonstructural activity	8000000100					Eric	Completed
Arkansas	Pueblo,Otero/ Crowley, Bent, Powers, Fremont, Chaffee, ElPaso, Kiowa	Southeastern Colorado Water Conservancy District	Model Transfers- Agriculture to Urban, Arkansas Basin Arkansas Headwaters Diversion Structure	Jan-08	\$23,860		\$23,860	Study/analysis of structural/nonstructural project	8000000135					Eric	Completed
Arkansas	Lake, Chaffee, Fremont	Greater Arkansas River Nature Association	Improvement Project City of Las Animas Water System Improvements	Mar-08	\$57,955	\$57,955	\$57,955	Consumptive and Non- Consumptive Project	9000000025				Closed 8/31/09	Ted	Completed
Arkansas	Bent	City of Las Animas	Rotational Land Following- Water Leasing Program -Lower Arkansas Super Ditch Company	Mar-08	\$100,000	\$200,000	\$300,000	Structural/Non-Structural Water Activity	C150424	\$2,022,000		12/31/09	09/23/09	Todd (Kirk?)	Completed
Arkansas	Pueblo, Otero, Crowley,Bent, Powers	Lower Arkansas Water Conservancy District	Colorado State Parks Zebra Mussel Response	Jan-08	150,000		150,000	Study/analysis of nonstructural activity	C150425	\$68,735		06/30/10	05/15/10	Todd	Completed
Arkansas	Pueblo	Colorado State Parks		Mar-08	0	\$1,000,000	1,000,000	Structural and Non- Structural water project	C150416	\$3,000,000		06/30/09	06/30/10	Todd	Completed
Arkansas	Pueblo,Otero, Bent,Crowley, Powers,Fremont,Kiow a, Chaffee, El Paso	Southeastern Colorado Water Activity Enterprise	Arkansas Valley Conduit	Mar-07	0	\$200,000	200,000	Study/analysis of structural activity	C150406	\$200,000	\$352,000		6/30/11	11/24/10	Completed
Arkansas	El Paso	El Paso County Water Authority/The Keystone Center	Fleming Gorge Project Task Force Assessment	May-10	\$20,000	\$0	\$20,000	Studies or analysis of structural, nonstructural, consumptive, nonconsumptive water needs and project	11000000008	\$20,000			6/30/11	6/30/11	Completed
Arkansas	Chaffee, Fremont, Custer	Upper Arkansas WCD	Telemetry data collection platforms at six reservoirs plus flow control equipment & gauging at six reservoir outlet channels & nine streams w/in the upper Ark River basin	Sep-08	75,000	\$210,332	285,332	Structural and/or nonstructural water project or activity	C150439	\$285,332	\$529,884		12/31/11	9/7/11	Completed
Arkansas	Chaffee, Fremont, Pueblo	Southeastern CO WCD	Stakeholders Coop Mgmt Analysis for the UARB	Jul-10	\$33,600.00	\$0.00	\$33,600	Studies or analysis of nonconsumptive water needs and project	11000000012	\$33,600	\$8,400		8/31/11	8/31/11	Completed
Arkansas Basin Total Request					\$712,381	\$1,718,287	\$2,430,668								
Number of Projects		15						Structural water activity-- Spillway adequacy study/environmental permitting							
Colorado	Mesa	Bull Creek Reservoir Canal and Power Co.	Bull Creek Reservoir No. 5 Spillway Adequacy Analysis	Sep-07	50,000	\$0	50,000	Structural Project and Study-Technical Assistance	8000000039	\$0		06/30/10	02/25/09	Eric	Completed
Colorado	Eagle	Eagle Park Reservoir Company	Enhancement of Eagle Park Reservoir	Mar-07	\$0	\$250,000	\$250,000		C150401	\$118,707		12/31/09	12/17/09	Eric	Completed

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Colorado	Garfield, Pitkin, Gunnison, Eagle	Ruedi Water and Power Authority	Roaring Fork Watershed Assessment	Mar-07	\$40,000	\$0	\$40,000	Study or Analysis of Non-Consumptive Needs	8000000012				Chris	Completed
Colorado		Colorado River Water Conservation District	Upper Colorado Endangered Fish Recovery Alternatives Analysis (10,825)	Mar-07	\$0	\$200,000	\$200,000	Study or analysis of non-consumptive water activity	C150404	06/30/08	Closed		Todd	Completed
Colorado	Grand County	Grand County	Vail Ditch Project	Mar-07	\$0	\$1,500,000	\$1,500,000	Structural and/or non structural water activity	C150409	06/30/08	Closed			Completed
Colorado	Garfield, Pitkin	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	Structural water project or activity	9000000052	08/31/09	09/02/09		Mike	Completed
Colorado	Summit	Summit County	Old Dillon Reservoir	Mar-08	\$100,000	\$0	100,000	Study/Analysis of consumptive project	9000000026	06/30/09	03/02/10		Kirk	Completed
Colorado	No information on Summary for counties	Grand County	Grand County Stream flow Management Plan	May-08	\$100,000	\$0.00	100,000	Study/Analysis of Non-consumptive needs/project	C150461	06/30/11	12/16/10		Todd	Completed
Colorado		City of Grand Junction	Energy Development Water Needs Assessment (300,000 Joint Application see Yampa)	Mar-07	0	\$150,000	150,000	Study of consumptive water needs assoc. w/energy develop. in the CO, White& Yampa river basins	C150407	03/31/11	03/31/11		Jacob	Completed
Colorado	Eagle/Pitkin/ Garfield	Ruedi Water and Power Authority	Roaring Fork Watershed Assessment -Phase 2	May-08	\$40,000.00		\$40,000.00	Study/Analysis Consumptive and Non-Consumptive Project	9000000049		04/07/11		Chris	Completed
Colorado	Garfield	Grand River Ditch Company	Grand River Ditch Pipeline Solicitation of stakeholder input and advice through a Colorado River Basin edition of Headwaters Magazine	Sep-10	\$25,000	\$0	\$25,000	Structural project or activity	11000000097	06/30/11	06/01/11		Kirk	Completed
Colorado	Grand, Summit, Eagle, Pitkin, Garfield, Mesa	Colorado Foundation for Water Education	Fraser Sedimentation Basin	Sep-10	\$25,000	\$0	\$25,000	Nonstructural water project or activity	11000000039	06/30/11	06/28/11		Jacob	Completed
Colorado	Grand County	Grand County		Mar-08	\$60,000.00	\$127,900	\$187,900.00	Structural Water Project	C150449	6/30/12	12/31/11		Greg	Completed
Basin Total					\$480,000	\$2,227,900	\$2,707,900							
Number of Projects		13												
Southwest		Goodman Point Water Association	Goodman Point Water Association Pipeline Environmental Assessment	Mar-07	\$7,700	\$0	\$7,700	Study of structural water project	8000000075		07/31/09		Eric	Completed
Southwest		San Juan Water Conservancy District	Dry Gulch Reservoir/San Juan Reservoir Land Acquisition	Mar-07	\$0	\$1,000,000	1,000,000	Structural Water Project – Land Acquisition for Reservoir Site	C150408	12/31/25	12/17/08		Rick	Completed
Southwest		Mancos Water Conservancy District	Jackson Gulch Reservoir Expansion Project	July-07	\$61,735	\$0	\$61,735	Feasibility Study	8000000076	06/30/09	06/30/09		Todd	Completed
Southwest		La Plata West Water Authority	La Plata West Rural Water Supply System	Mar-08	\$100,000	\$1,000,000	\$1,100,000	All purposes	C150422	06/30/09		Todd (Kirk?)	Completed	
Southwest	La Plata/Archuleta	La Plata Archuleta Water District	Water System Master Planning	Nov-08	\$100,000	\$0	\$100,000	Environmental/Technical feasibility studies and studies or analysis of structural and/or non structural water project or activity	9000000112	12/31/09	12/22/09		Eric	Completed
Southwest	Archuleta	Park Ditch Company	Park Ditch Improvements	Jul-09	\$85,000	\$0	\$85,000	Structural water project or activity	10000000011	06/30/11	12/09/09		Greg	Completed
Southwest	La Plata	Happy Scenes	Water System Well, Treatment System and Distribution Upgrades	16-Sep-08	\$39,760	\$50,000	\$0	Structural Project	9000000127	06/30/10	11/17/09		Greg	Completed
Southwest		Town of Sawpit	Town of Sawpit – Engineering/Planning for Domestic Water System; Southwest Basin	Mar-08	25,000	\$0	25,000	Study Structural Project	9000000006	06/30/09	06/07/10		Anna	Completed
Southwest		Lower Blanco Property Owners Association	Lower Blanco River Restoration Project	Mar-09	100,000	\$0	100,000	Analysis and Construction of Structural Nonconsumptive Water Project	C150450	06/30/10	06/30/10		Greg	Completed

ATTACHMENT 13

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ATTACHMENT 13

Gunnison	Mesa	City of Grand Junction Water Enterprise Fund Painted Sky Resource Conservation and Development Council, Inc.	Junata Reservoir Spillway Modification	Mar-09	\$97,000	\$0	\$97,000	Structural Water Project Study or analysis of a structural water project or activity	9000000008	\$97,586	\$66,914	06/30/10	12/15/09	Jacob	Completed
Gunnison	Delta	City of Ouray	Development of Augmentation Supplies	May-09	22,100	\$0	22,100	Structural and/or nonstructural water project or activity	90000000144	\$1,000	\$87,129	06/30/10	01/25/10	Greg	Completed
Gunnison	Ouray	City of Ouray	Development of Augmentation Supplies	May-09	50,000	\$0	50,000	Tech Assist Regarding Permitting, Feas. Studies, & Enviro Compliance;& Study or Analysis of a Structural Project	100000000041	\$50,000	\$87,129	06/30/11	06/30/11	Todd	Completed
Gunnison	Ouray	Town of Ridgway	Ridgway Ditch and Lake Oronawanda Improvement Project	Mar-09	109,500	\$0	109,500		C150455	\$109,500	\$27,380	6/30/11	6/30/11	Greg	Completed
Gunnison	Montrose	Valley View Irrigation Association	Valley View Irrigation Improvement Project Phase II Engineering for Lake San Cristobal Outlet Modification	Mar-11	\$11,817	\$0	\$11,817	Structural project or activity	110000000127	\$11,817	\$1,600	12/31/11	7/26/11	Jacob	Completed
Gunnison	Hinsdale	Upper Gunnison WCD	Safety and Serviceability Needs Inventory for Reservoirs in the Leroux Creek Drainage Basin	July-08	75,265	\$0	75,265	Study of structural project/activity	90000000041	\$75,265	\$0	1/31/09	6/30/11	Todd	Completed
Gunnison	Delta	Leroux Creek Water Users Association (LCWUA)	Overland Reservoir Dam Expansion/Restoration	May-07	60,000	\$0	60,000	Study/Analysis Feasibility Study and Environmental Permitting Assistance	80000000008	\$60,000	\$10,000	6/30/2008	6/30/11	Todd	Completed
Gunnison Basin Total Request	Delta	Overland Ditch and Reservoir Company	Chatfield Reallocation EIS/FR (South Plate BRT contributing \$27,000)	Mar-07	\$103,000	\$0	\$103,000	Study/Analysis of Structural Water Project	C150412			01/08/09		Eric	Completed
Number of Projects				13		\$625,382	\$510,700	\$1,136,082							
Metro	Denver, Multiple	The Greenway Foundation	Zero Liquid Discharge Pilot Study	Sept-07	\$200,000	\$200,000	\$400,000	Study/Analysis	C150413			12/31/09	10/02/09	Todd	Completed
Metro	Douglas	Parker Water and Sanitation District	Solicitation of Stakeholder Input through a South Plate Edition of Headwaters	Sept-07	\$150,000	\$0	\$150,000	Non-structural water project or activity	90000000019			12/31/09		Todd	Completed
Metro	Logan	CFWE	South Metro Water Supply Authority - Regional Aquifer Supply Assessment	Jul-08	\$16,019	\$0	\$16,019	Study/analysis of structural project & consumptive project/activity	C150430	In-kind		12/31/09	12/31/10	Andy	Completed
Metro	Douglas, Arapahoe	South Metro Water Supply Authority	Greenway Foundation Clear Creek County on behalf of Upper Mountain Counties Water Needs Consortium	May 2008	43,587	\$0	43,587	Study/analysis of structural, non structural, nonconsumptive water needs, projects	C150442	\$0		06/30/10		Chris	Completed
Metro	Denver	Upper Mountain Counties Water Needs Assessment	Flaming Gorge Project Task Force Assessment	May-10	\$20,000	\$0	\$20,000	Studies or analysis of structural, nonstructural, consumptive, nonconsumptive water needs and project	C150429	\$8,070		06/30/11	12/31/10	Eric	Completed
Metro	El Paso	EI Paso County Water Authority/The Keystone Center	Lost Creek Groundwater Management District	Jan-09	80,000	\$0	80,000	Studies or analysis of structural, consumptive water projects	C150447	\$160,000	\$13,000	6/30/2011	9/27/11	Greg	Completed
Metro Basin Total Request					\$863,146	\$200,000	\$1,063,146								
Number of Projects				9											
North Plate	Silver Spur Operating CO.	New Pioneer Ditch Diversion Reconstruction Project	Mar-08	\$116,000	\$0	\$116,000	Structural/Non-Structural Water Activity	C150421				12/31/09		Chris	Completed

North Platte		CSU	Identification and assessment of important wetlands in N.P. River watershed	Sep-08	86,000	\$96,000	182,000	Studies or analysis of nonconsumptive water needs project or activity	C150433	\$10,000	06/30/10	06/30/10	Todd	Completed	
North Platte		Town of Walden	Town of Walden Water Supply Improvement Project	Jul-08	385,000	\$0	385,000	Structural &/or Non-structural water project or activity	C150431	\$385,000	\$0	9/30/2011	9/30/2011	Todd	Completed
North Platte	Jackson	Walden Reservoir Company	Structure for Water Control	Jan-11	\$36,000	\$0	\$36,000	Structural water project	11000000087	\$7,900	11/30/11	11/7/11	Greg	Completed	
North Plate Basin	N Plate Basin Total Request				\$623,000	\$96,000	\$719,000								
Number of Projects	4														
Rio Grande		Alamosa Riverkeepers	Alamosa River In-stream Flow Project	Mar-07	\$64,500	\$0	\$64,500	Study/Design for Structural Water Project	70000000076						
Rio Grande		Colorado Rio Grande Restoration Foundation	Rio Grande Basin Conservation Reserve Enhancement Program	May-07	\$36,750	\$0	\$36,750	Non-structural water activity	80000000006						
Rio Grande		Romero Irrigation Company	Romero-Guadalupe Channel Rectification Project	Sep-07	\$83,700	\$0	\$83,700	Structural Water Project	80000000060						
Rio Grande		Rio Grande Headwaters Land Trust	Rio Grande Initiative	Mar-08	\$200,000	\$1,300,000	\$1,500,000	Structural/Non-Structural Water Activity	C150420						
Rio Grande	Conejos	El Codo Ditch Company	San Antonio River - El Codo Ditch Diversion and Rehabilitation	May-09	\$65,000	\$0	\$65,000	Structural and/or nonstructural water project or activity	10000000001	\$23,445	12/31/09	12/08/09	Greg	Completed	
Rio Grande		Manassa Land and Irrigation Company	Conejos River and North Branch Diversion and Stabilization	Sep-08	50,000	\$333,700	383,700	Structural and/or nonstructural water project or activity	C150446	\$98,000	06/30/10	06/30/10	Chris S	Completed	
Rio Grande		San Luis Valley Irrigation District	Preliminary Design Multi-use Rio Grande Reservoir Rehabilitation and Enlargement	Mar-07	0	\$288,000	288,000	Study/Design for Structural Water Project	C150402	\$0	06/30/10	06/30/10	Kirk	Completed	
Rio Grande		Conejos Water Conservancy District	Platoro Reservoir Restoration	Sep-08	50,000	\$200,000	250,000	nonstructural water project or activity	C150448	\$250,000	06/30/11	02/03/11	Kirk	Completed	
Rio Grande		Trinchera Irrigation Company	Sangre de Cristo Trinchera Diversion Canal Restoration	Sep-09	\$104,000	\$150,000	254,000	nonstructural and/or nonstructural water project or activity	C150458	\$254,000	\$46,500	7/31/11	10/22/10	Greg	Completed
Rio Grande	Costilla	San Luis Peoples Ditch Company	San Luis Peoples Ditch Upgrade and Rehabilitation Project - Phase I	May-10	\$40,000	\$0	\$40,000	Structural project or activity	110000000053	\$40,000	\$102,000	6/30/11	9/7/11	Greg	Completed
Rio Grande	Grande, Conejos, Archuleta, Alamosa, Hinsdale, Costilla	Rio Grande Watershed Conservation and Education Initiative	Educating Today to Balance Tomorrow's Water Supplies & Needs	May-10	\$25,000	\$0	\$25,000	Nonstructural project or activity	110000000059	\$25,000	\$163,900	6/30/2012	10/17/2011	Jacob	Completed
Rio Grande	Alamosa	Rio Grande Headwaters Land Trust	Rio Grande Initiative: North Rio Grande Ranch Conservation Easement	Mar-11	\$15,000	\$55,000	\$70,000	Nonstructural project or activity	C150489	\$70,000	12/31/11	12/6/2011	Chris	Completed	
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	Structural and/or nonstructural water project or activity	C150437	\$100,000	\$0	12/31/11	12/31/11	Kirk	Completed
Rio Grande	Rio Grande	The Colorado Rio Grande Restoration Foundation and McDonald Ditch Company	The McDonald Ditch and Plaza Project – Phase I - Planning	Jan-11	\$40,000	\$0	\$40,000	Studies or analysis of structural, nonstructural, consumptive, and nonconsumptive water project	110000000102	\$40,000	\$50,000	12/31/11	12/22/11	Chris	Completed
R Grande Basin Total Request					\$873,950	\$2,326,700	\$3,200,650								
Number of Projects	14														
South Platte		The Greenway Foundation	Chatfield Reallocation EIS/FR (Metro BRT contributing \$103,000)	Mar-07	\$27,000	\$0	\$27,000	Study/Analysis of Structural Water Project							
South Platte		Clear Creek County	Clear Creek Water Banking/High Altitude Storage	May-07	\$52,000	\$0	\$52,000	Environmental Compliance/Feasibility Study	80000000037						
											Closed				
												Eric			
												Completed			
												Todd /Tom			
												Completed			

South Plate	Colorado Foundation for Water Education	Solicitation of Stakeholder Input through a South Plate Edition of Headwaters Lower South Plate Wetland Initiative Phase I	Jul-08	\$16,019	\$0	\$16,019	Non-structural water project or activity	9000000019		Todd	Completed
South Plate	Ducks Unlimited, Inc. Clear Creek County on behalf of Upper Mountain Counties Water Needs Consortium	Upper Mountain Counties Water Needs Assessment	Sep-07	\$0	\$278,476	278,476	Specifies all eligible activities	C150415	\$500,255	Todd	Completed
South Plate			May 2008	130,763	\$0	130,763	Study/Analysis Environmental compliance/Tech. Assist./Studies or analysis of structural, nonstructural, nonconsumptive, nonconsumptive wtr needs projects	C150429	See Metro	Eric	Completed
South Plate	City of Greeley Northern Colorado Water Conservancy District	Halligan Seaman Water Mgmt project share vision planning model Stage Discharge Data Loggers and Telemetry	Sep-08	25,435	\$76,305	101,740		C150436	\$271,109	Eric	Completed
South Plate	Lost Creek Groundwater Management District	Lost Creek Aquifer Recharge and Storage Study	Jan-08	48,800	\$0	48,800	Structural Activity Studies or analysis of structural, consumptive water projects	8000000120	\$48,800	Todd	Completed
South Plate			Jan-09	80,000	\$0	80,000		C150447		Andy	Completed
South Plate Basin Total Request				\$380,017	\$354,781	\$734,798					
Number of Projects	8										
Y/W/G	Upper Yampa Water Conservancy District	Morrison Creek Reservoir Feasibility Study	July-07	49,500	\$0	49,500	Feasibility Study Study/Analysis of Consumptive Activity/Project	8000000058	\$0	Todd	Completed
Y/W/G	Vermillion Ranch	Sparks Reservoir	Jul-08	16,000	\$0	16,000	Study or analysis of structural, non structural, consumptive, and nonconsumptive water needs and projects	9000000039	\$3,000	Todd	Completed
Y/W/G	Colorado Foundation for Water Education	Headwaters Magazine - January 2010 Development and Implementation of Water Forums, Workshop, and/or Tours	Sep-09	20,000	\$0	20,000	Study or analysis of structural, non structural, consumptive, and projects	10000000050	\$22,938	Jacob	Completed
Y/W/G	Community Agriculture Alliance, Inc.		Sep-09	10,000	\$0	10,000	Study or analysis of consumptive/ nonconsumptive needs	10000000046	\$2,675	Jacob	Completed
Y/W/G	City of Steamboat Springs and Rout County	Common Data Repository	Jan-08	106,600	\$0	106,600	Study or analysis of structural/nonstructural and consumptive/ nonconsumptive needs	C150423	\$50,000	Todd	Completed
Y/W/G	Moffat Counry	Agricultural Water Needs Assessment	Jan-08	201,410	\$0	201,410	Study of consumptive water needs associated with energy development in the Colorado, While and Yampa river basins	C150418	\$0	Eric	Completed
Y/W/G	City of Grand Junction	Energy Development Water Needs Assessment (300,000 Joint Application see Colorado Sandwash basin coabed methane production deplive effects on water resources	Mar-07	0	\$150,000	150,000	Studies or analysis of consumptive water needs project or activity	C150407	\$300,000	Jacob	Completed
Y/W/G	Moffat County		Sep-08	20,000	\$98,835	118,835		C150435	\$2,000	Jacob	Completed
Y/W/G Basin Total Request	8			423,510	\$248,835	\$672,345					
Water Supply Reserve Account Total Requests				\$5,931,134	\$10,406,661	\$16,337,795					