



COLORADO WATER CONSERVATION BOARD

DIRECTOR'S REPORT

MARCH 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: March 20-21, 2012

SUBJECT: **Agenda Item 7d**, March 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~

FOREST SERVICE PLANNING RULE: On January 26, the U.S. Forest Service announced a final Programmatic Environmental Impact Statement (PEIS) for the National Forest System (NFS) Land Management Planning Rule. The PEIS includes the Service's "preferred alternative" on how to establish new procedures for the development and revision of NFS land management plans.

Under the preferred alternative, NFS management plans would: (1) include requirements to maintain or restore watersheds, water resources, and water quality (including drinking water), as well as the ecological integrity of riparian areas; (2) include components to restore and maintain forests and grasslands; (3) provide habitat for plant and animal diversity and species conservation; (4) provide for multiple uses, including recreation, range, timber, watershed, wildlife, and fish; (5) provide for sustainable recreation; (6) provide opportunities for tribal consultation and coordination with state and local governments and federal agencies; (7) utilize the best available scientific information; and (8) provide the Service with a "more efficient and adaptive" process for land management planning. See:

<http://www.fs.fed.us/news/2012/releases/01/planning-rule.shtml>. (*Dan McAuliffe*)

MEMBERS OF CONGRESS SUPPORT STREAMGAUGES: On January 27, five Democratic Senators wrote the Office of Management and Budget (OMB) in support of the U.S. Geological Survey's streamgaging programs. "The National Streamflow Information Program (NSIP)...is on an unsustainable funding path," it said. "Unfortunately the federal government is neglecting its responsibility to fund these gauges and relying on states to pay for this federal responsibility. As states face harder financial times, their ability to backfill the federal government's financial shortfall is quickly dwindling. We urge [OMB] to begin a positive trend in the [FY 2013] budget proposal by requesting a higher federal share of the cost of these gauges."

The letter also discusses the Cooperative Water Program (CWP), which had historically maintained a 50/50 federal-state cost share. "Unfortunately the cost share has not worked and long-term gauges are being terminated by increasing cost burdens to state, private and nonprofit partners," the letter said. "Between 2005 and 2009, 384 long-term stream gauges, or those with a continuous record of data collection greater than 30 years, were terminated. This year, an additional 111 gauges are listed as threatened, and another 73 gauges are listed as endangered. In [some] cases, gauges are continuing to [operate] only because local groups have held bake sales and car washes."

Senators Jon Tester (D-MT), Patrick Leahy (D-VT), Kirsten Gillibrand (D-NY), Charles Schumer (D-NY), and Bernie Sanders (I-VT) signed the letter. (*Dan McAuliffe*)

ENERGY HEARING KICKS OFF FARM BILL REAUTHORIZATION: The Senate Agriculture Committee took the first step in reauthorizing the farm bill during a hearing on February 16. Members of the Senate Agriculture, Nutrition and Forestry Committee questioned Agriculture Secretary Tom Vilsack on issues ranging from crop insurance to biomass and ethanol at the first in a series of hearings planned on different aspects of the farm bill.

The Obama administration's \$154.5 billion agriculture budget request released Monday on February 13 was a key concern for Senator's. Committee members across the board criticized the administration for recycling a proposal to cut billions from crop insurance.

Vilsack defended the plan, saying President Obama decided against taking an approach that cuts evenly from all areas -- conservation, nutrition assistance and subsidies -- and instead chose to spare nutrition assistance programs at the expense of crop insurance.

Beyond the budget, the hearing was mostly an information-gathering activity for lawmakers as they begin to craft the next farm bill, which sets crop subsidies, conservation and energy funding, and nutrition assistance. (Dan McAuliffe)

WATER RESEARCH FOUNDATION STUDY PRESENTS NATIONAL VISION FOR DRINKING WATER SOURCE PROTECTION: On February 15 the Water Research Foundation (WaterRF) released a study to help drinking water utilities and other stakeholders develop a strategy to protect the vital sources of our drinking water, titled, Source Water Protection Vision and Roadmap.

The goal of the foundation is to help water utilities and supporting groups to implement a source water protection program by 2025.

The study emphasizes a focus in four key areas: raising awareness, enhanced coordination, support for developing source water protection programs and the need for increased recognition of successful efforts being made to protect sources of drinking water.

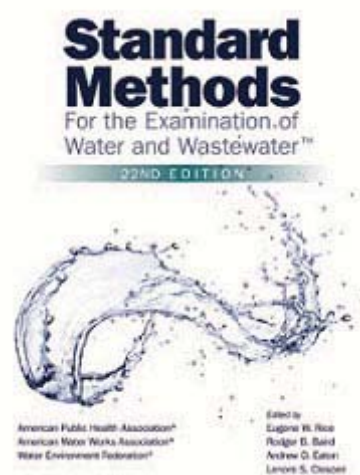
An annotated bibliography of source water protection information, comprehensive case studies, and other background details are provided in the document "Developing a Vision and Roadmap for Source Water Protection for U.S. Drinking Water Utilities (#4176a).

For more information, go to <http://www.waterrf.org/Pages/WaterRFHome.aspx>. (Dan McAuliffe)

STANDARD METHODS WATER MANUAL UPDATED: The manual, *Standard Methods for the Examination of Water and Wastewater*, has been expanded and revised and is now available in its 22nd Edition.

Published jointly by the American Public Health Association (APHA), the American Water Works Association (AWWA) and the Water Environment Federation (WEF), *Standard Methods* reflects the latest developments in water analysis. One significant change in this edition is an emphasis on quality assurance/quality control (QA/QC) practices. More than 40 percent of the book is new or updated.

Since the first edition in 1905, *Standard Methods* has represented the best current practice of American water analysts, covering all aspects of water and wastewater analysis techniques. In 1999, APHA appointed a Standard Methods of Water Analysis committee that was charged with extending standard procedures to all methods involved in the analysis of



water. The committee's report constituted the first edition of the book. (*Dan McAuliffe*)

CONGRESSIONAL COMMITTEES EXAMINE WATER INFRASTRUCTURE

FUNDING NEEDS: On Feb. 27, 2012, House and Senate committees met to discuss the need for funding to repair drinking water and wastewater pipelines and treatment plants across the United States. The estimates to repair the nation's drinking water infrastructure total more than a trillion dollars according to the American Water Works Association.

The Senate Environment and Public Works Subcommittee on Water and Wildlife heard local perspectives on the funding problem; and in the House of Representatives, the House Transportation and Infrastructure Water Resources and Environment Subcommittee focused on innovative financing approaches for local water infrastructure projects.

The House hearing is the first of several hearings that will look at ways to leverage public and private dollars. Efforts to open new financing options were boosted when the Senate Finance Committee approved a measure to remove caps for the next six years on how much money communities can raise through tax-exempt, private activity bonds to fund drinking water and wastewater infrastructure repairs. These bonds allow private companies to participate in public projects and may be a way to boost private investment in water.

Other ideas advocated include creating a so-called Water Infrastructure Finance Innovations Authority (WIFIA) modeled after the Transportation Infrastructure Finance and Innovations Authority. A WIFIA could lower the cost of capital for water utilities with no harm to the federal budget deficit by accessing U.S. Treasury funds and low interest rates.

For now however, states and utilities rely largely on two EPA-administered, low-interest loan programs -- the Clean Water and Drinking Water State Revolving Funds -- to finance water and wastewater infrastructure upgrades. Both those programs, which together make up a significant chunk of EPA's budget, would be cut 15 percent in President Obama's 2013 budget. (*Dan McAuliffe*)

SENATE PANEL DISCUSSED FARM BILL CONSERVATION PROGRAMS: On Feb. 27, 2012 the Senate Agriculture, Nutrition and Forestry Committee held the second in a series of four hearings scheduled to be held this year to review farm bill programs. The hearings are a precursor to the required reauthorization of the five-year farm bill authorization. The 2008 farm bill expires at the end of September 2012.

The farm bill conservation title's largest program is the Conservation Reserve Program, which pays farmers rent to idle their lands for habitat purposes. The title also includes the Environmental Quality Incentives Program, a cost-share program that helps farmers with environmental improvements, such as stream crossings and fences.

The Conservation Stewardship Program, the title's other large program, is designed to reward farmers who work their way up stewardship tiers and take steps to reduce nutrient runoff into local waterways.

The bill's 23 conservation programs were squeezed tightly in last year's appropriations process; lawmakers in November passed a final appropriations measure that reduced programs by more than \$1 billion compared to the levels set out in the 2008 farm bill. The expectation is that the 23 programs will be consolidated into five "buckets": working lands programs, regional partnerships

that focus on target areas like the Chesapeake Bay, easements, the Conservation Reserve Program and a category that includes everything else.

The Senate is expected to lead the farm bill reauthorization process this year, unlike in previous years when the House Agriculture Committee pushed the bill through first. *(Dan McAuliffe)*

FY 2013 FEDERAL BUDGET: On February 13, President Obama sent his \$3.8 trillion FY 2013 budget request to Congress.

Funding for the Department of the Interior remains relatively flat at \$11.4 billion. Within Interior, the Bureau of Reclamation would receive \$1 billion, a \$14 million cut from FY 2012 levels. Of this amount, \$423 million would fund operation, maintenance, and rehabilitation. Another \$395.6 million would support resource management and development efforts. WaterSMART funding would increase \$6.8 million to \$53.9 million, including \$6 million for the Basin Study program.

The U.S. Geological Survey (USGS) would receive \$1.1 billion, up \$34.5 million. USGS' Water Challenges Initiative would receive \$21 million, a \$13 million increase that the agency would use to enhance implementation of the WaterSMART Water Availability and Use Assessment. National Streamflow Information Program (NSIP) funding would increase \$3.1 million to \$32.5 million, while Cooperative Water Program (CWP) funding would fall \$4.7 million to \$59.3 million.

The Fish and Wildlife Service funding would increase \$72 million to \$1.5 billion, while Bureau of Land Management funding would remain flat at \$1.1 billion.

The U.S. Department of Agriculture (USDA) would get \$23 billion, a \$700 million cut. Of this amount, Forest Service funding would increase by about \$15 million to \$4.86 billion. Natural Resources Conservation Service (NRCS) funding would fall \$234 million to \$833 million. Most of those cuts would come from the Emergency Watershed Protection Program and the Watershed Rehabilitation Program. The Snow Survey and Water Forecasting funding would remain at about \$9.3 million.

The Army Corps of Engineers Civil Works program would receive \$4.7 billion, a \$270 million decrease. Of this amount, \$2.4 billion goes to operation and maintenance, while \$1.5 billion would go towards construction, representing respective cuts of \$14 million and \$223 million. Funding for the Corps' regulatory program would increase \$12 million to \$205 million.

The Environmental Protection Agency's (EPA) budget drops \$105 million to \$8.3 billion. Among other things, EPA is seeking \$265 million for state water pollution control grants, a \$27 million increase that includes \$15 million to address nutrient loading. However, the Clean Water State Revolving Fund (SRF) would be reduced to \$1.17 billion, a \$291 million cut. Likewise, Drinking Water SRF funding falls \$68 million to \$850 million. *(Dan McAuliffe)*

CONDUIT FUNDING IN FEDERAL BUDGET: Funding for the Arkansas Valley Conduit is included in President Barack Obama's budget. About \$3 million is included in the president's budget to complete the Environmental Impact Statement being prepared by the Bureau of Reclamation. The draft EIS is expected to be completed by the end of this year. The project is expected to be completed by 2022. *(Dan McAuliffe)*

EPA CLEAN WATER ACT GUIDANCE: On Feb. 22, 2012 the Environmental Protection Agency (EPA) sent draft Clean Water Act (CWA) guidance to the Office of Management and Budget (OMB) for final review. Although the guidance isn't law, it will guide how federal agencies determine if water is subject to CWA jurisdiction.

The EPA is attempting to clarify CWA jurisdiction under the U.S. Supreme Court's *SWANCC* and *Rapanos* decisions. These two decisions have been criticized for creating jurisdictional uncertainty about what waters are subject to the CWA. The draft guidance also replaces early guidance the EPA and the U.S. Army Corps of Engineers released in 2003 and 2008.

EPA released an earlier version of the draft guidance in April 2011 and received over 200,000 public comments. In August 2011 the WSWC wrote to the EPA regarding the draft guidance and said that it preferred that EPA issue a regulation rather than unenforceable guidance. It also said that it did not believe the draft resolved the uncertainty about what water was subject to CWA jurisdiction and asked EPA to ensure that when a final regulation or guidance was issued, that it be developed with the states and not infringe upon the states' authority to allocate water and administer water rights within their borders." (*Dan McAuliffe*)

FEDERAL RECLAMATION MANUAL REVISIONS: On Nov. 30, 2011 Reclamation announced a second, 90-day comment period beginning in January 2012 for new draft requirements the agency has developed. The requirements are set forth in four draft Reclamation Manual (RM) releases that address: (1) water related contract and repayment general principles and requirements; (2) water rates and pricing; (3) transfers and conversions of project water; and (4) conversions of project water from irrigation use to municipal and industrial (M&I) use.

The Reclamation Manual consists of a series of Policy and Directives and Standards. Collectively, these releases assign program responsibility and establish and document Bureau of Reclamation-wide methods of doing business. All requirements in the Reclamation Manual are mandatory.

Among other things, the Policy and Directive and Standard changes will establish post-conversion rates for project water converted from irrigation to municipal and industrial (M&I) use. They define irrigation use as "...the use of contract water for the commercial production of agricultural crops or livestock, and domestic uses that are incidental thereto, through the irrigation of tracts of land that are at least 10 acres in size, or tracts of land that are less than 10 acres in size subject to the contracting officer's determination that the resulting products are primarily produced for sale, rather than for personal uses." M&I use is defined as "...the use of contract water for municipal, irrigation and miscellaneous other purposes, exclusive of irrigation use as defined above."

All four policy releases now include new language clarifying that they apply "...prospectively to contracts executed, renewed, amended, or supplemented on or after [their] issuing date." The bulk of the other revisions were made to the water rates and pricing policy release, including revisions regarding the calculation of rates for irrigation as well as municipal and industrial (M&I) water service contracts.

At the same time, Reclamation has not changed previously proposed definitions for irrigation and M&I use.

The following is a summary of the proposed revisions and a sample of the why concerns have been expressed about the revisions:

Draft Policy Regarding Water-Related Contracts-General Principles and Requirements (PEC P05)

The Policy covers the contracts and the contracting process. The draft Policy reissues past policies not converted to the Reclamation Manual format. The most controversial component of the draft Policy consists of changes in definitions for terms for contracting purposes. For example, the Policy changes the definition of irrigation water. The change will result in irrigation water supplied to 10-acres or less being treated as M&I water and therefore subject to re-payment at market rates. The change could also impact the current ability to share water because the resulting reclassification may make future transactions infeasible. **The Western States Water Council Executive Committee has endorsed a letter to Reclamation that opposes this change.**

Draft Policy Regarding Transfers and Conversions of Project Water (PEC P09)

This draft Policy replaces an existing Policy, *Voluntary Transfers of Project Water* (WTR P02). This Policy implements the new definitions in draft Policy PEC P05 by realigning irrigation and municipal and industrial water use categories.

The existing options and requirements for transfers and conversions in WTR P02 carry over to this draft Policy. However, because definitions were changed in Policy PEC 05, and are implemented in this Policy, the concerns about the resulting adverse impacts on water users from the changes in the definitions are also transferred. **The Western States Water Council Executive Committee has endorsed a letter to Reclamation that opposes this change.**

Draft Directive and Standard Regarding Water Rates and Pricing (PEC 05-01)

This draft Directive and Standard replaces the existing PEC 05-01. The draft addresses cost-recovery and rate-setting requirements for contracts. Because the definitions were changed in Policy PEC 05 and rates would be set based on the new definitions, the concerns about the resulting adverse impacts on water users from the changes in the definitions are also transferred to this Directive and Standard. **The Western States Water Council Executive Committee has endorsed a letter to Reclamation that opposes this change.**

Draft Directive and Standard Regarding Conversions of Project Water from Irrigation Use to Municipal and Industrial Use (PEC 09-01)

This draft Directive and Standard accompanies draft Policy, *Transfers and Conversions of Project Water* (PEC P09). This revision replaces an existing Directive and Standard of the same number. Most of the existing Directive and Standard was retained. However, because definitions were changed in Policy PEC 05, the concerns about the resulting adverse impacts on water users from the changes in the definitions are transferred to this Directive and Standard. **The Western States Water Council Executive Committee has endorsed a letter to Reclamation that opposes this change.**

Draft Directive and Standard Regarding Water and Related Resources Feasibility Studies (CMP 09-02)

Reclamation is required to evaluate the feasibility of proposed projects before seeking congressional authorization and appropriations for implementation. This document provides guidance for conducting feasibility level water resources planning studies consistent with the *Economic and Environmental Principles and Guidelines for Water and Related Resources Implementation Studies* (commonly referred to as the P&Gs), U.S. Water Resources Council, March 10, 1983.

The comment period on this Directive and Standard opened on Jan. 17, 2012 and will close on April 25, 2012. This is also the second public comment period on this Directive and Standard. The first comment period ended on November 25, 2011.

Generally, the concerns expressed about this draft Directive and Standard are that the proposed changes are inconsistent with NEPA requirements and Reclamation's own NEPA handbook an update of which was released on February 20, 2012. Concerns have also been expressed that there is a lack of provisions for categorical exclusions and this conflicts with recent FERC regulations on in-canal hydropower facilities and administrative changes being considered by Congress. Other concerns have been raised that a change now will delay ongoing feasibility studies. Finally, many water users have questioned why the current Directive and Standard is being revised at all because the existing Directive and Standard already provides sufficient direction and because the Council on Environmental Quality (CEQ) may change underlying principles and requirements that apply to all environmental reviews, making this revision obsolete.

While the current comment period is set to close on April 3, 2012 for four of the five revisions, a Reclamation official recently announced at the annual Family Farm Alliance meeting in February in Las Vegas that Reclamation plans to reissue a third set of revisions and extend the comment period an additional 30 to 60 days.

My intent is to send a letter to Reclamation regarding the revisions when the final revisions are issued. The letter will echo the concerns being expressed by water users and provide suggestions for further revisions as appropriate.

Please see <http://www.usbr.gov/recman/> for complete copies of all the proposed Reclamation manual revisions. (Dan McAuliffe)

BILL EXEMPTING SMALL HYDRO-PROJECTS FROM REVIEW TO RECEIVE

VOTE: A House bill streamlining permitting for small hydropower installations in canals and pipelines is expected to get a floor vote the week of Feb. 5.. The bill (H.R. 2842), was introduced by Rep. Scott Tipton and it exempts hydropower projects of 1.5 megawatts or less planned for tunnels, canals, pipelines or the like from most reviews and other requirements of the National Environmental Policy Act.

The House Natural Resources Committee passed the bill Oct. 5 on a 30-12 vote. The floor vote is expected Tuesday or Wednesday.

Supporters of the bill say current regulatory hurdles are too great for what they deem to be small, environmentally harmless projects that will create local jobs, produce clean electricity and generate needed revenues for the federal government. local officials testified at a hearing in September that a \$20,000 project could incur environmental permitting expenses of \$30,000 to \$50,000 -- on up to \$1 million.

The Family Farm Alliance, the National Water Resources Association and the American Public Power Association have endorsed the bill. We will keep you informed as the bill progresses through the process. (*Dan McAuliffe*)

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~

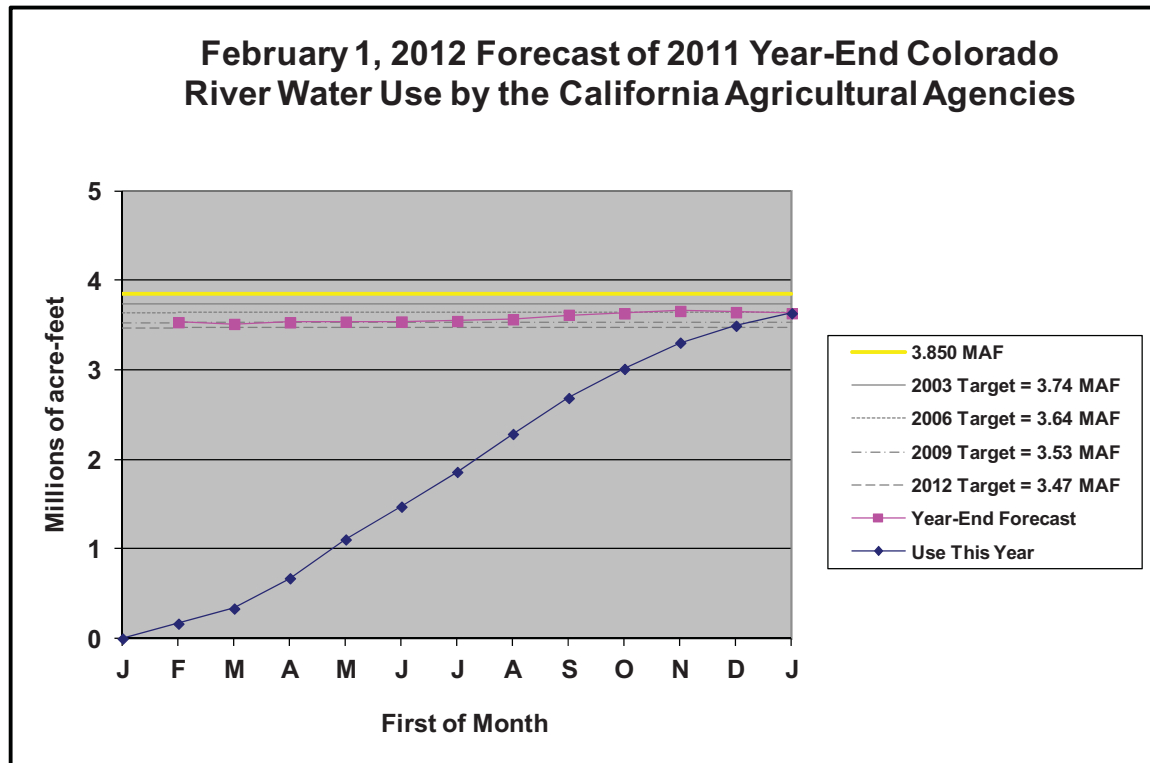
GROUND WATER COMMISSION MEETING: The Ground Water Commission (GWC) held its quarterly meeting on February 17, 2012, in Denver, CO. The agenda items included routine reports and presentations on the Lost Creek Basin aquifer, the Upper Big Sandy Ground Water Management District's (GWMD) updated rules and on proposed legislation granting GWMDs enforcement authority and the ability to impose fines. The GWC also approved a variance request by the Town of Arapahoe, a request for an exception to the rules by Robert and Jana Wood and referral of Meridian Service Metropolitan District's Division 2 Water Court application to the GWC's hearing officer. The Ground Water Commission will hold its next meeting on May 18, 2012 in Castle Rock, CO. For more information visit: <http://water.state.co.us/groundwater/CGWC/Pages/default.aspx>. (*Suzanne Sellers*)

~COLORADO RIVER BASIN~

ADAPTIVE MANAGEMENT WORK GROUP (AMWG) MEETINGS: The Glen Canyon Adaptive Management Work Group ("AMWG") winter annual meeting was held on February 22-23, 2012 in Phoenix, AZ. At this meeting, the AMWG adopted "Desired Future Conditions" or "DFCs" and voted to advance them to the Secretary of the Interior. These DFCs describe the goals, in a qualitative fashion, that the Program will seek to achieve in a manner consistent with the Law of the River. Some of the goals are competing goals, and it will require careful balancing in cooperation with the Basin states, to develop quantitative DFCs and to achieve the proper balance. In addition, the AMWG discussed: 1) the Program's bi-annual budget and workplan; 2) the 2012 proposed Hydrograph; and, 3) the five year plan for Humpback Chub. (*Ted Kowalski*)

COLORADO RIVER WATER USE: As of February 1, 2012, storage in the major Upper Basin reservoirs decreased by 479,200 acre-feet and storage in the Lower Basin reservoirs increased by 436,500 acre-feet during January 2012. Total system active storage as of February 6 was 38.279 million acre-feet (MAF), or 64 percent of capacity, which is 6.220 MAF more than one year ago. (Upper Basin reservoirs increased by 2.064 MAF, and Lower Basin reservoirs increased by 4.156 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 3.633 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*)



LTEMP SCOPING COMMENTS: 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, submitted a scoping letter, along with the other six Colorado River Basin states, which is attached to this Director’s report. In addition, the Upper Colorado River Commission has obtained cooperative agency status for this process, and a cooperator’s meeting was held on February 24, 2012 in Phoenix, Arizona. For more information, visit: <http://ltempeis.anl.gov/index.cfm>. (*Ted Kowalski*)

UPPER COLORADO RIVER COMMISSION (UCRC) WINTER MEETING: The UCRC will be holding a work meeting in mid-March. The Board will receive information about this work meeting and the work of the UCRC at the upcoming Board meeting. The next official UCRC meeting will be held on May 23-24 2012 hosted by Utah in 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*)

~ARKANSAS RIVER BASIN~

BUREAU OF RECLAMATION CONTINUES TO EXPLORE CRITERIA FOR MARKET RATE PRICING FOR EXCESS CAPACITY CONTRACTS FOR THE FRYINGPAN-ARKANSAS PROJECT: Staffers from the Bureau of Reclamation met with

various water management officials from the Arkansas River Basin on February 1st at the Denver Federal Center to discuss the proposed temporary Directive and Standard establishing a market-based pricing system for excess capacity storage contracts in the Fryingpan-Arkansas project. The purpose of the meeting was to attempt to find common ground on the issue of “market-based” pricing, and how the Bureau might work with local organizations to establish a system beneficial to all parties. We will continue to keep the Board apprised of these issues as they progress. (*Brent Newman*)

~PLATTE RIVER BASIN~

PLATTE RIVER RECOVERY PROGRAM - The Platte River Recovery Implementation Program (“Program”) did not hold a Governance Committee meeting since the last CWCB meeting. However, Suzanne Sellers participated in the J-2 Reregulating Reservoir negotiations, Water Advisory Committee, Technical Advisory Committee, Land Advisory Committee, and Finance Committee conference calls, workshops 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*)

~SAN JUAN/SAN MIGUEL-DOLORES RIVER BASIN~

LOWER DOLORES WORKING GROUP UPDATE: The “A Way Forward” (“AWF”) Implementation Team continues to meet regularly to develop the monitoring and implementation plan that will be completed by June 2012 and is funded in part by a Severance Tax Operational Account grant. The Team includes representatives of the Bureau of Reclamation, Colorado Parks and Wildlife, Montezuma Valley Irrigation Company, Dolores Water Conservancy District, The Nature Conservancy, San Juan Citizens’ Alliance, American Whitewater and Trout Unlimited. The Team is focusing on spill management to address temperature issues in the River and may implement a dry run of a spill shaped around native fish needs in spring 2012. The Team intends to try some of the alternatives identified by the AWF Report to help native fish that can be done under existing regulatory authority prior to proposing permanent management changes that could trigger a NEPA process. Topics recently discussed by the Team include:

- Results of fish sampling conducted by Colorado Parks and Wildlife in 2011
 - Compared species composition in 2007 and 2011 at similar flows and time of year
 - Percentage of native fish increased from 9% in 2007 to 35% in 2011.
 - Roundtail chub increased from 4% to 12%
 - Bluehead suckers increased from 1% to 2%
 - No white suckers found (good because are invasive and can hybridize with native suckers)
 - Saw spawning, recruitment and expanded distribution of native fish.
 - Saw fewer brown trout but same amount of smallmouth bass
- 2012 forecast and operations schedule for potential managed release
- Fish and thermal monitoring efforts, including purchase and installation of a thermal gage at Disappointment Creek
- Boater responses to flow variations (American Whitewater designing a survey to capture real-time responses from boaters on flow conditions – will be part of monitoring plan).
- Riparian and geomorphic monitoring

- Ways to diminish the impact of predators (brown trout and smallmouth bass)
- Base flow management
- Supplementing native fish

The Lower Dolores Working Group and the Dolores River Dialogue will hold a joint meeting on April 26, 2012. More information about the activities of the Dolores River Dialogue, Lower Dolores Working Group and AWF Implementation Team can be found at <http://ocs.fortlewis.edu/drd/default.asp> . (Linda Bassi)

RIVER PROTECTION WORKGROUP: The River Protection Workgroup (RPW) Steering Committee held a regular meeting on January 18, 2012 and a retreat on January 31, 2012. The RPW Steering Committee's next meeting is scheduled for March 22, 2012. The Steering Committee is beginning to plan the "Regional Discussion" which will take place after all five public workgroups are conducted for: Hermosa Creek; San Juan River - East and West Forks; Upper Animas River; Vallecito Creek/Pine River; and the Piedra River. The Steering Committee determined that several principles were important for the "Regional Discussion" such as: inclusion of the workgroups at key decision points; determining a plan for resolution of issues not resolved at the workgroup level; and a need for the "Regional Discussion" to address recommendations from the workgroups which may range from suitability under the Wild and Scenic River process on certain segments to finding other ways to protect values (ecological, economic and social).

The RPW for the Animas River held meetings on January 20 and February 23, 2012 in Silverton, CO and its next meeting is scheduled for March 22, 2012 at a location to be announced. At these meetings, the workgroup identified existing protection tools in place and brainstormed to create a list of potential ways to protect the values identified for each river segment. Future meetings will be used to determine whether consensus may exist on the use of these protection tools for the upper Animas River.

The RPW for the Piedra River held meetings on January 17 and February 21, 2012 in Pagosa Springs, CO and its next meeting is scheduled for March 13, 2012 at the same location. During these meetings, the work group finalized their values statement; decided to focus on the Piedra watershed as a whole in lieu of focusing on just river segments; and performed an in-depth evaluation of the values and specific protections in place for the following areas: Williams Creek, Weminuche Creek, the East Fork and the Middle Fork of the Piedra River. During the March meeting, the workgroup will complete a similar evaluation of the main stem of the Piedra River. Also during the January and February meetings, the work group discussed the Upper Hinsdale County Land Use Plan, its potential impacts to development in the focus area, and how it may act as a protection tool. Additionally, geology and conservation easement information was added to the workgroup Information Sheet.

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

GRAND JUNCTION DOLORES RIVER WILD AND SCENIC STAKEHOLDER GROUP: In July 2010, the Wild and Scenic Stakeholder Group based in Grand Junction took the actions set forth below regarding certain segments of the Dolores River that the BLM was evaluating as potentially suitable for Wild and Scenic designation. Those segments of the

Dolores River extend from the Highway 90 bridge crossing at Bedrock to about 10.5 miles below the confluence of the Dolores River with the San Miguel River.

The stakeholders: (1) identified a series of management provisions and recommended that the BLM incorporate those provisions into the new Resource Management Plan for the Grand Junction Field Office to maintain the ORVs and stakeholder uses and values; (2) recommended that a larger stakeholder dialogue be convened to address suitability and other issues and concerns related to the Dolores River on a broader geographic scale; and (3) did not make a recommendation to BLM regarding suitability for any eligible portions of the Dolores River in the Grand Junction Field Office, based on the request for a larger stakeholder dialogue. At the January 2012 CWCB meeting, Chris Treese (Colorado River Water Conservation District) reminded the CWCB of that request and told the Board that an additional process is needed. Since January, the River District and other stakeholders have been discussing various approaches to this matter and have not yet agreed upon how to proceed. (*Linda Bassi*)

~AGENCY UPDATES~

WSWC SPRING MEETING: The 168th Western States Water Council (WSWC) meeting will be held in Washington, D.C. on March 14-16. The WSWC and the Interstate Council on Water Policy (ICWP) will host a joint roundtable discussion on March 14 with senior Corps, EPA, Interior, USDA and NOAA officials. The roundtable will also include a panel of Congressional staff members.

Prior to the meetings, the ICWP will hold a meeting on March 13 with USGS, NOAA, and Corps officials to discuss the development of a federal water “toolbox.” On March 16, USGS Director Marcia McNutt and officials from her agency will meet with ICWP and WSWC members to discuss USGS water-related science. (*Dan McAuliffe*)

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.

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

- City of Dacono – Water Rate Study
- City of Longmont – Water Audits

One grant has been approved since the last Board meeting:

- Mount Werner Water & Sanitation District/City of Steamboat Springs – Water Conservation Implementation Grant – Rebate Program (\$49,500)

Deliverables to the CWCB are as follows:

- Town of Firestone Drought Management Plan – *submitted 50% 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 met with Arvada staff on February 27 to discuss the plan. Staff is providing technical assistance to Arvada on the revisions to their plan.
- **City of Broomfield** – CWCB Staff reviewed a revised version of the plan on February 3. City Staff will make minor revisions prior to presenting the plan to the Broomfield City Council in late February for adoption. CWCB will give final approval when plan is submitted after local adoption.
- **City of Louisville** – Resubmission of a preliminary November 2009 version of their Water Conservation Plan is pending. The City may seek outside help to complete the plan.
- **Meridian Metropolitan District** – CWCB staff reviewed revised sections of plan and is awaiting final submission.
- **Town of La Junta** – Final review of the Plan was completed by CWCB staff in April 2011 and additional comments were sent back to the Town in May 2011. Resubmission pending.
- **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 has received revisions to their plan on February 8. A review of the revised plan is pending.
- **Donala Water & Sanitation District** – CWCB received the Plan on October 28, 2011. CWCB staff sent back comments to District on January 20. Resubmission pending.
- **South Adams County Water & Sanitation District** – CWCB received the Plan on November 3, 2011. CWCB staff reviewed the plan and sent comments to the District on January 30. Resubmission pending.
- **Town of Eaton** – CWCB received a locally adopted plan from the Town of Eaton on January 24. Review of the plan is pending.
- **Pueblo West Metropolitan District** – CWCB received the plan on February 8 and sent comments to the District on February 29. Resubmission pending.

*No additional Water Conservation Plans have been approved since the last Board Meeting.
(Ben Wade)*

GOVERNOR’S WATER AVAILABILITY TASK FORCE: There will be a Joint Meeting of the Water Availability & Flood Task Force on March 22, 2012 from 9:30-12:00pm at the Colorado Parks & Wildlife Headquarters, 6060 Broadway, Denver, CO in the Bighorn Room. Please check the website (<http://cwcb.state.co.us/public-information/flood-water-availability-task-forces/Pages/main.aspx>) for additional information. *(Ben Wade)*

DROUGHT UPDATE: February precipitation has helped to alleviate dry conditions across Colorado, although as of February 28, 2012 the entire state is still below average (70-89%) at SNOTEL sites in all basins. Soil moisture remains low in the Arkansas River basin. The Colorado River Basin above Lake Powell is at 76% average for snowpack. Reservoir storage in the Upper Colorado River Basin is largely above average for this time of year and storage

elsewhere in the state is also decent. In southeastern Colorado severe drought conditions (D2) continue and the drought plan remains activated at this time. Moderate drought conditions (D1) persist in the northern Colorado mountains and along the Continental Divide within Grand and Summit counties. Severe drought conditions (D2) have been removed from the San Luis Valley as a result of increased precipitation. We will continue to monitor conditions throughout the state closely. *(Taryn Hutchins-Cabibi)*

2012 CWCB DROUGHT CONFERENCE: Building a Drought Resilient Economy through Innovations in Preparedness & Planning. CWCB will host a two day drought conference September 19-20, 2012 in the Denver Metro area. The conference, which will focus on innovation in drought planning and preparedness, will also present information and spur discussion, through a series of breakout sessions, on the economic impacts associated with drought and mitigation solutions. The conference will also showcase the latest in drought science. The conference will be preceded by a one-day drought simulation exercise. More information will be forthcoming. *(Taryn Hutchins-Cabibi)*

WATER EFFICIENCY GUIDANCE DOCUMENT AND SAMPLE PLAN: 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 efficiency planning documents. CWCB staff has distributed the guidance documents to the Water Conservation Technical Advisory Group (WCTAG) for a final review and then it will go to the CWCB Board in May with a public review period scheduled to begin in May after the Board meeting.

Additionally, a Water Efficiency Sample Plan is underway and will be complete by the end of June 2012. This sample plan will be similar in format to the Drought Sample Plan and will use the same fictional community as the basis for the plan. The sample plan will be organized using the new guidance documents. The WCTAG will also review and comment on the sample plan. *(Kevin Reidy)*

CWCB 2012 INSTREAM FLOW WORKSHOP: The CWCB staff held the 2012 ISF Workshop on February 22, 2012 in Denver. Over forty people attended, including Board members Geoff Blakeslee, Diane Hoppe and Ty Wattenberg, and representatives of several federal and state agencies, municipalities, conservation groups, and consultants. CWCB staff member Jeff Baessler presented an overview of the ISF Program with a focus on the new appropriation process, and Roy Smith of the U.S. Bureau of Land Management and Mark Uppendahl of Colorado Parks and Wildlife presented recommendations for potential ISF appropriations in 2013. CWCB staff member Chris Sturm presented information on stream restoration projects and their potential synergy with ISF appropriations and acquisitions. CWCB staff member Jacob Bornstein gave an update on the Basin Roundtables' nonconsumptive needs assessments and implementation of projects to meet those needs. The CWCB staff expressed its willingness to work with the Basin Roundtables on developing their implementation plans and projects. Representatives of the Colorado Water Trust, Trout Unlimited and The Nature Conservancy each relayed their organizations' desire and availability to work with the Roundtables on nonconsumptive or multi-use projects and described what their organization has to offer in the way of information and tools. Overall, the workshop provided a good opportunity to learn about some of the available tools for meeting nonconsumptive needs. *(Linda Bassi)*

LOAN REPAYMENT DELINQUENCY: Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2011 through February 2012. The effective due date of the payment is inclusive of the Board's current 30 day late policy. Hence, the date the payment was received was compared to the last day allowable prior to the payment being considered late.

Repayments due for the first eight months of Fiscal Year 2012 totaled 181. 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 was less than 60 days late. 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 \$13.5 M for this period. Funds disbursed relative to new project loans totaled \$14.9 M for this period. Net activity resulted in \$1.4 M disbursed from the CWCB Construction Fund and the Severance Tax Trust Fund Perpetual Base Account (STTFPBA) over the total received.

Further breakdown is summarized as follows: The Construction Fund portion consists of \$7.6 M in receivables and \$2.8 M in disbursements for a total net activity of \$4.8 M received over disbursed. The STTFPBA consists of \$5.9 M in receivables and \$12.1 M in disbursements for a total net activity of \$6.2 M disbursed over received. (*Steve Biondo*)

MARCH 1, 2012 STATEWIDE ROUNDTABLE SUMMIT: The 2nd Statewide Roundtable Summit was held on March 1st. 275 people registered and an additional twelve people were "walk-ins." To make the day successful, more than 70 staff and volunteers helped. Roles included registration, note-taking, and table moderation. In addition, several sponsors were critical to be able to provide a reception and food. CDM Smith was the title sponsor. Colorado Springs Utilities and SGM Engineering were lunch sponsors. Northern Water Conservancy District, The Nature Conservancy, Hydros Consulting, and Harris Water Engineering were break sponsors.

Eric Hecox kicked off the Summit. He discussed where the portfolio work is heading. This was followed with a presentation by Jacob Bornstein summarizing the 32 portfolios received so far and how they fit into different scenarios. Jacob then moderated a panel to further explore the different portfolios and find commonalities. Panel members included Gary Barber (Arkansas Roundtable), Jim Pokrandt (Colorado Roundtable), Bill Trampe (Gunnison Roundtable), Marc Waage (Metro Roundtable), Barbara Vasquez (North Platte Roundtable), Travis Smith (Rio Grande Roundtable), Mike Shimmin (South Platte Roundtable), Mike Preston (Southwest

Roundtable), T. Wright Dickenson (Yampa/White/Green Roundtable), and Melinda Kassen (nonconsumptive).

Some agreement among the panel members included:

1. We need to meet our municipal needs, but must do so in a way that minimizes the impact to agriculture and nonconsumptive interests.
2. A range of demand scenarios should be planned for.
3. The success of identified projects and processes should be about 80% statewide.
4. While there is disagreement whether conservation can be relied upon to meet future water demands, there is agreement that the 1177 process should help move Colorado forward with implementation measures and continued monitoring.
5. A range of water availability scenarios should be planned for. The 1177 process should support further planning for new supply projects and how to minimize the impact of agriculture dry-up through alternative transfer methods.

Governor Hickenlooper spoke about the need to continue working collaboratively and highlighted the roundtable process.

The first set of table discussions proceeded. The purpose was to explore the reasons why different roundtables chose the portfolios they did. Topics included future water demands, agricultural transfers, conservation & reuse, new supply, and identified projects and processes. At lunch, Jennifer Gimbel spoke about risk management as it relates to the Colorado River System, Kristin Maharg spoke about Water 2012 and showed two videos, and Todd Doherty spoke about moving towards implementation. Todd spoke about the following major tasks between now and 2016:

- Implement the 16 SWSI 2010 Recommendations
- Identification of and Implementation of Consumptive and Nonconsumptive Projects (grants and loans)
- Development of Implementation Plans for the Strategies (utilizing adaptive management)
- Evaluate SWSI 2016 Methodology (involvement of the CWCB, IBCC and roundtables)
- SWSI 2016 Development
- Finalize SWSI 2016 and Water Plan

After lunch two additional sets of table discussions ensued. The topics included risk management, nonconsumptive, storage, conservation, alternative agriculture transfer methods, and new supply development.

John Stulp closed the summit by speaking about some initial common themes that emerged from the day. Some of these points included:

- The day was productive. Some come to a water meeting expecting to have to fight, but the Summit facilitated civil discussion.
- Portfolios have served us well, and the roundtables should wrap this up in the next couple months.

- Interest was expressed in raising the profile of nonconsumptive interests.
- Further incorporation of risk management will be important.
- It is time to get more specific. The issue isn't if we are going to implement each of the elements of the portfolio, but rather "how, when, and where."
- Storage is important for every aspect of the portfolio.

The notes from all 90 sets of table discussions will be compiled over the next month and displayed on the CWCB website. (*Jacob Bornstein*)

WATER TABLES EVENT RAISES MONEY FOR THE ARCHIVES: The annual CSU Water Tables event brings water leaders together for a night of good food and great conversation. This year was no exception. Jennifer Gimbel, John Stulp, and Travis Smith all hosted tables this year, and it was a great event that raised a lot of money for this worthy cause. (*Ted Kowalski*)

RECENTLY DECREED ISF WATER RIGHTS: On January 22, 2012, the Division 5 Water Court decreed an instream flow water right to the CWCB on East Willow Creek in Case No. 08CW106 for 0.8 cfs (May 1 – October 31) and 0.6 cfs (November 1 – April 30) with an appropriation date of January 23, 2008. The upstream terminus is the confluence with Bull Fork East Willow Creek and the lower terminus is the confluence with West Willow Creek. This ISF reach is approximately 2.7 miles long and flows in a northerly direction in Garfield and Rio Blanco Counties. The CWCB entered into a stipulation with Exxon Mobil to alleviate their concerns about this ISF segment.

On February 13, 2012, the Division 4 Water Court decreed an instream flow water right to the CWCB on Tabeguache Creek in Case No. 10CW187 for 4.75 cfs (April 1 – June 30), 1.9 cfs (July 1 – November 30), and 1.6 cfs (December 1 – March 31) with an appropriation date of January 26, 2010. The upstream terminus is the confluence with Forty-seven Creek and the lower terminus is the headgate of the Templeton Ditch. This ISF reach is approximately 5.4 miles long and flows in a southwesterly direction in Montrose County. (*Rob Viehl*)

DIRECTOR GIMBEL SPEAKS AT CLE: Director Gimbel was a featured speaker at a Continuing Legal Education Course in Denver entitled "Colorado Water Law: Issues for the Front Range and the Western Slope." Basing her talk on the work accomplished in SWSI 2010, her talk was entitled "Where are we on Water Resources in Colorado?" The CLE also featured other key water management and policy officials from around Colorado. (*Brent Newman*)

~ATTACHMENTS~

- 01 Finance Section – Current Prequalified Project List and Loan Project Summary
- 02 Finance Section – Financial Activity Report
- 03 Finance Section – Design and Construction Status Report
- 04 WSRA Open Grant Projects – Board Approved – Not Yet Contracted
- 05 WSRA In Progress Projects
- 06 WSRA Completed Projects
- 07 Instream Flow and Natural Lake Level Program – Summary of Resolved Cases
- 08 Letter from Colorado River Basin Salinity Control Forum – Update on 2012 Farm Bill Activities
- 09 Letter from Colorado Delegation Regarding Farm Bill
- 10 Letter from Colorado Basin States’ Representatives Regarding Scoping Comments on the Adoption of LTEMP for Operation of Glen Canyon Dam

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: March 9, 2012

SUBJECT: **Directors Report, March 20-21, 2012 Board Meeting**
Finance Section – Current Prequalified Project List and Loan Prospect
Summary

John W. Hickenlooper
Governor

Mike King
DNR Executive Director

Jennifer L. Gimbel
CWCB Director

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.

ATTACHMENT 1

Prequalified 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 WSRa statewide grant.	\$1,850,000	\$740,000
	Loan to be heard by Board at March 2012 meeting					
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
Totals					\$4,900,000	\$3,295,000

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
	2/12	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					
				TOTAL	\$0

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
Whitney Irrigation Company – Diversion Structure Repair
McKay Lateral – Ditch Lining Project
Fuchs Reservoir Company – Reservoir Rehabilitation
Lefthand Ditch Company – Reservoir Rehabilitations (Lake Isabelle & Allens Lake)
Gunnison County Electric Association – Taylor Park Hydroelectric Project
Mead Lateral – Ditch Lining Project

COLORADO WATER CONSERVATION BOARD

FINANCIAL ACTIVITY REPORT

FOR FISCAL YEAR 2012

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2011	\$ 1,561,271	\$ 1,000,359	\$ 2,561,630	\$ 18,981	\$ 2,542,649
August 2011	\$ 255,073	\$ 220,854	\$ 475,927	\$ 1,172,066	\$ (696,139)
September 2011	\$ 503,491	\$ 328,170	\$ 831,661	\$ -	\$ 831,661
October 2011	\$ 586,918	\$ 319,171	\$ 906,090	\$ 912,546	\$ (6,456)
November 2011	\$ 272,399	\$ 242,144	\$ 514,543	\$ -	\$ 514,543
December 2011	\$ 592,812	\$ 1,218,167	\$ 1,810,979	\$ 362,744	\$ 1,448,234
January 2012	\$ 99,637	\$ 43,595	\$ 143,231	\$ 376,407	\$ (233,176)
February 2012	\$ 199,127	\$ 158,039	\$ 357,165	\$ -	\$ 357,165
March 2012	\$ -	\$ -	\$ -	\$ -	\$ -
April 2012	\$ -	\$ -	\$ -	\$ -	\$ -
May 2012	\$ -	\$ -	\$ -	\$ -	\$ -
June 2012	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2012 Totals	\$ 4,070,727	\$ 3,530,498	\$ 7,601,225	\$ 2,842,744	\$ 4,758,482

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	\$ 440,875	\$ 897,285	\$ 1,338,160	\$ 4,006,762	\$ (2,668,602)
January 2012	\$ 92,858	\$ 270,282	\$ 363,140	\$ -	\$ 363,140
February 2012	\$ 878,480	\$ 460,459	\$ 1,338,940	\$ 5,173,886	\$ (3,834,946)
March 2012	\$ -	\$ -	\$ -	\$ -	\$ -
April 2012	\$ -	\$ -	\$ -	\$ -	\$ -
May 2012	\$ -	\$ -	\$ -	\$ -	\$ -
June 2012	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2012 Totals	\$ 2,763,487	\$ 3,136,844	\$ 5,900,331	\$ 12,118,259	\$ (6,217,928)
GRAND TOTALS	\$ 6,834,214	\$ 6,667,342	\$ 13,501,556	\$ 14,961,003	\$ (1,459,447)

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TO: Colorado Water Conservation Board Members

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

DATE: March 9, 2012

SUBJECT: **Directors Report – March 20/21, 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 four projects in FY 2011/12 as shown in Table 1. There are currently 50 projects authorized to receive loan funding totaling \$233 million. There are 40 projects currently under contract and in the Design and Construction phase totaling \$151 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	WRCC, Inc.	Cobb Lake Inlet Rehab	Larimer	\$1,352,592	7/1/11
2	Grand River Ditch Co	Ditch Piping	Garfield	\$543,380	7/1/11
3	Bull Creek Reservoir Co	#4 Reservoir Rehab	Mesa	\$1,801,630	9/1/11(a)
4	Lower Poudre Augmentation Co	Harmony 25 Reservoir	Larimer	\$3,104,053	11/1/11(b)
		Total		\$6,801,592	

Fiscal year 2011/12 has added or preserved 1,570AF of reservoir storage [(a) 900AF, (b) 670AF]

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

March 9, 2012

Applicant/Borrower	Project	County	Loan Amount	Size	Annual Delivery Yield (AF)	Storage Change (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		Montezuma	\$ 5,486,531.00	15,840 LF	9,000		75%	Jan-04	Jan-14	99%
3 Upper Arkansas Water Conservancy District	Reservoir Rehabilitation	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		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 Plate 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 HenryVlyn Irrigation District	Horse Creek & Prospect Reservoir Rehabilitation	Weld	\$ 2,184,327.00	13,850 AF	13,850	3,000	100%	Nov-08	Jul-12	95%
10 New Salida Ditch Company	Ditch Rehabilitation	Chaffee	\$ 365,620.00	300 L.F.	7,000		100%	Oct-09	Jul-12	90%
11 Farmers Pawnee Canal Company	Ditch Flow Control Structures	Logan	\$ 255,530.00	27,260	27,260		100%	Oct-08	Jun-12	99%
12 Republican River Water Conservation District	Compact Compliance Pipeline	NE, Colo	\$ 60,600,000.00	15,000 AF	15,000		100%	Aug-11	Jul-12	90%
13 Ogilvy Augmentation Company	Well Augmentation	Weld	\$ 1,010,808.00	60 AF	60		100%	Dec-08	Jul-12	95%
14 Boulder White Rock Ditch and Reservoir Company	Panama Reservoir Outlet Rehabilitation	Boulder/Weld	\$ 2,864,164.00	300 L.F.	12,000	2,600	100%	Oct-09	Jun-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-13	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	LEDE 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	Larimer	\$ 393,900.00	1,120 AF	1,120	165	100%	Sep-10	Jun-12	99%
21 City of Monte Vista	Augmentation Water Rights Acquisition	Rio Grande	\$ 1,693,770.00	321 AF	1,212		n/a	Oct-10	Jul-12	50%
22 Fort Morgan Reservoir and Irrigation Company	Pipeline Project - Augmentation Refining	Morgan	\$ 1,494,800.00	15,840 L.F.	37,058		100%	Sep-10	Jul-12	99%
23 Joseph W. Bowles Reservoir Company	Bowls No. 1 Dam Rehabilitation	Jefferson	\$ 1,703,870.00	2,062 AF	900		100%	Aug-10	Dec-12	90%
24 Louden Irrigating Canal and Reservoir Company	Rist Benson Reservoir Rehabilitation	Larimer	\$ 663,610.00	150AF	150	150	100%	Feb-11	Apr-12	99%
25 Pagosa Area Water and Sanitation District	Dry Gulch Reservoir Land Acquisition	Archuleta	\$ 11,217,060.00	35,000 AF	35,000	35,000	n/a	Nov-08	Mar-20	85%
26 Supply Irrigating Ditch Company	Knoth Reservoir Dam Rehabilitation	Boulder	\$ 1,515,000.00	4,800 AF	4,800	400	95%	Jan-10	On-Hold	0%
27 Owl Creek Reservoir Company	Owl Creek Reservoir Rehabilitation	Weld	\$ 1,125,000.00	1200 AF	1,200		99%	Jul-10	On-Hold	0%
28 Penrose Water District	Water Rights Purchase and Pipeline Installation	Fremont	\$ 8,844,570.00	30,624 LF	339	1,200	65%	Oct-10	Jan-14	20%
29 Seven Lakes Reservoir Company	Railroad Crossing	Weld	\$ 772,842.00	7,796 AF	7,796		100%	Oct-11	May-12	80%
30 Duel and Snyder Improvement Company	Diversion Structure Rehabilitation	Morgan	\$ 109,053.00	4,590 AF	4,590		100%	Sep-10	Jun-13	99%
31 Farmers' High Line Canal and Reservoir Company	System Rehabilitation Project	Adams/Jefferson	\$ 1,410,768.00	31 Miles	24,000		85%	Feb-11	Feb-14	10%
32 Riverside Reservoir and Land Company	Riverside Reservoir Spillway Enlargement	Weld	\$ 2,838,100.00	64,000 AF	105,000		80%	Sep-10	Jan-13	0%
33 Riverside Ditch and Allen Extension Company	Ditch System Rehabilitation	Chaffee	\$ 186,345.00	3,250 LF	3,260		85%	Jul-10	Dec-12	80%
34 Snowmass Water and Sanitation District	Zeigler Reservoir Expansion Project	Pitkin	\$ 2,873,804.00	240 AF	1,850	240	100%	Oct-10	Jun-12	99%
35 Thunderbird W&S Dist	Lambert Ranch Water Rights Purchase	Douglas	\$ 318,150.00	896 AF	55		100%	Oct-11	Jan-14	0%
36 Last Chance Ditch Company	Ditch Headworks Replacement Project	Weld	\$ 185,436	9,257 AF	9,257		100%	Jan-12	May-12	20%
37 Fisher Ditch Company	Ditch Infrastructure Project	Denver	\$ 454,500	7,623 AF	7,623		95%	Sep-12	Dec-13	0%
38 Parkville Water District	Canterbury Tunnel Repair	Lake	\$ 1,838,200.00	250 LF	1,086		100%	Jan-12	Jan-14	5%
39 Crystal Lakes Water and Sewer Association	Lower Lone Pine Lake Enlargement Project	Larimer	\$ 2,363,400	100 AF	10	100	50%	Apr-12	Apr-13	0%
40 Big Elk Meadows Association	Raw Water System Improvements Project	Boulder/Larimer	\$ 272,700	109 AF	6		100%	Jan-12	Aug-12	25%
Projects Not Under Contract			\$ 150,623,479		685,115	49,351				
a Southeastern CO Water Conserv. District	Arkansas Valley Conduit	Crowley	\$ 60,600,000	138 Miles	6,555			In Contracting		
b South Metro Water Supply Authority	Raw Water Delivery - Capacity Purchase	Adams/Denver	\$ 5,090,400	10,750 AF	10,750			In Contracting		
c Lake Durango Water Authority	Source Water Supply Project	LaPlatta	\$ 2,525,000	309 AF	309			In Contracting		
d Town of Georgetown	Outlet Works Modification Project	Clear Creek	\$ 2,976,975	208 AF	208			In Contracting		
e Lake Canal Reservoir Company	North Gray Reservoir Rehab Project	Larimer/Weld	\$ 116,625.00	75 AF	333			In Contracting		
f Jackson Ditch Company	Headgate Check Structure Rehab Project	Larimer	\$ 81,810	5,500 AF	5,500			In Contracting		
g Tri-county Water Conservancy District	Ridgway Reservoir Micro Hydo Proj	Ouray/Mont/Delta	\$ 9,090,000	7 MW	35,000			In Contracting		
h Two Rivers Water Company	Orlando Reservoir Rehabilitation	Huerfano/Pueblo	\$ 1,184,882	2,400	6,800			In Contracting		
i Paradise Acres Homeowners Association	Dedicated Fill Pipe	Huerfano	\$ 62,721	3700 LF	5			In Contracting		
j La Veta, Town of	La Veta Dam Rehabilitation	Huerfano	\$ 372,690	86 AF	209	17		In Contracting		
	Subtotal =		\$ 82,101,103		65,669	92				
Grand Total =			\$ 232,724,582		750,784					
Reservoir construction projects involving storage: new, enlargement, dredging or removal of a SFO restriction =						49,443				

Design & Construction Status Report

PROJECTS SUBSTANTIALLY COMPLETED IN FY 2011/12

1. 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.

2. 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.

3. 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.

4. 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

Water Source: South Platte

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

County: Weld

Project Yield: 18,000 acre-feet

Project Type: Canal Rehabilitation

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

9. Henrylynn Irrigation District – Horse/Prospect Reservoirs Rehabilitation

Authorization: Severance Tax Fund

Water Source: Denver/Hudson Canal

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

County: Weld

Project Yield: 13,850 acre-feet

Project Type: Reservoir Rehab.

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

grade the dam crest. Zak Dirt Construction has completed reconstruction of outlet channel and has regraded the dam crest on Horse Creek Reservoir. The Prospect Reservoir outlet pipe has been lined and dam crest regrading is complete. **UPDATE: The Company contracted with Zac Dirt in October 2011 to increase the dam width of Horse Creek with the remaining loan funds. Construction is expected to be complete in the 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. 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. Pipe Construction is underway and 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 late 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. 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

County: Rio Grande

Water Source: Rio Grande River

Project Yield: 321 AF

Terms of Loan: \$1,693,770@4.0% for 30 yrs.

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

County: Morgan

Water Source: South Platte River

Project Yield: 37,058 AF

Terms of Loan: \$1,494,800@2.9% for 30 yrs.

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

County: Jefferson

Water Source: Bear Creek

Project Yield: 2,062 acre-feet

Terms of Loan: \$1,703,870@4.65% for 30 yrs.

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. 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 to be complete in spring 2012, contractor is waiting on pre-fabricated handrails and springtime for final grading and seeding.**

30. Deuel and Snyder Improvement Company – Diversion Structure Rehabilitation

Authorization: Severance Tax Fund
Water Source: South Platte
Terms of Loan: **\$109,053** @2.50% for 30 yrs.

County: Morgan
Project Yield: 4,950 acre-feet
Project Type: Diversion Rehabilitation

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

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 CWC 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. **UPDATE: Bids came back high due to the short construction window, plan to rebid this fall to give contractors larger construction window.**

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

Authorization: Severance Tax Fund

County: Weld

Water Source: South Platte River

Project Yield: 64,000 AF (200 new)

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

Project Type: Spillway

The Riverside Reservoir and Land Company owns and operates the 64,000 AF capacity Riverside Dam and Reservoir, an inlet canal known as Riverside Ditch, and a river diversion structure located near the town of Kersey, Colorado. The Company diverts water from the South Platte River, approximately 10 miles downstream of Greeley, Colorado. It stores irrigation water for approximately 50,000 acres. There is a storage restriction of 0.5 foot (200 AF of storage loss) due to the lack of a spillway per SEO Dam Safety Branch. In order to prevent further storage restrictions, the Project includes constructing an emergency spillway. Construction is expected in 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

County: Chaffee

Water Source: Arkansas River

Project Yield: 3,250 AF

Terms of Loan: \$186,345@2.75% for 30 yrs.

Project Type: System Rehabilitation

The Riverside Ditch and Allen Extension Company, located near Buena Vista, owns and operates the Riverside Ditch that provides irrigation water to a 450 acre service area within Chaffee County. A significant portion of the Company's structures along the 125 year old canal are in need of repair or replacement. The Company intends to complete a number of phased improvements to the canal that include: repairs to the river diversion; lining of portions of the canal to reduce seepage; installation of canal monitoring using SCADA equipment; phreatophyte removal; repair/replacement of aging headgates; and installation of standardized flumes. The proposed improvements would benefit the shareholders by improving overall canal efficiency, thereby increasing the consistency of shareholder headgate deliveries. Ditch lining phase of the project was completed in December 2010. Additional phases will be constructed in the fall of 2011.

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

Authorization: Construction Fund

County: Pitkin

Water Source: Snowmass Creek

Project Yield: 240 AF

Terms of Loan: \$2,873,804@4.75% for 20 yrs.

Project Type: Reservoir Construction

The District was approved for a loan to enlarge Ziegler Reservoir that it purchased in 2008. Prior to that, it did not have a useable raw water storage facility. The District purchased the reservoir to enlarge it from 57 AF to 240 AF. It will allow the District to regulate flows and provide a supply during times of diminished stream flows. The CWCBS 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
Water Source: Denver Basin Aquifer

Terms of Loan: \$318,150@4.25% for 20 yrs.

County: Douglas

Project Yield: 896 AF

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 has been delayed to mid 2012 due to easement access to purchased wells.**

36. Last Chance Ditch Company – Ditch Headworks Replacement

Authorization: Construction Fund

Water Source: St. Vrain Creek

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

County: Weld

Project Yield: 9,257 AF

Project Type: Ditch Rehabilitation

The Last Chance Ditch Company utilizes the Last Chance Ditch to supply water to its 14 shareholders for irrigation and gravel company operations. The existing headworks of the ditch 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. **UPDATE: Construction started in February 2012 and substantial completion expected by spring 2012.**

37. Fisher Ditch Company – Ditch Infrastructure Project

Authorization: Construction Fund

Water Source: Clear Creek

Terms of Loan: \$454,500@4.0% for 30 yrs.

County: Denver

Project Yield: 7,623 AF

Project Type: Ditch Rehabilitation

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

38. Parkville Water District – Canterbury Tunnel Repair

Authorization: Construction Fund

Water Source: East Fork Arkansas

Terms of Loan: \$1,838,200@4.0% for 30 yrs.

County: Lake

Project Yield: 1.086 AF

Project Type: Tunnel Repair

The Parkville Water District provides municipal water for the Town of Leadville and surrounding areas. The District provides service to about 2300 taps. The Canterbury Tunnel has been a critical water supply source to the District for over 45 years. The Tunnel originally served as mine drainage; however, because

it was of such good quality and reliability the District added it to its water supply system. About 15 years ago, the flow of water was significantly reduced due to a collapse in the tunnel. The District proposes to drill a new well to access the functioning part of the tunnel and pump the water to the District's distribution system. The Project design is complete. Use of CWCB funding for this project is in question.

39. Crystal Lakes Water & Sewer Association – Lower Lone Pine Lake Enlargement Project

Authorization: Construction Fund

County: Larimer

Water Source: N. Lone Pine Creek

Project Yield: 101 AF

Terms of Loan: \$2,363,400@4.0% for 30 yrs.

Project Type: Reservoir Enlargement

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

40. Big Elk Meadows Association – Raw Water System Improvements Project

Authorization: Construction Fund

County: Boulder, Larimer

Water Source: W. Fork Little Thompson

Project Yield: 109 AF

Terms of Loan: \$272,700@4.5% for 30 yrs.

Project Type: Tunnel Repair

The Big Elk Meadows Association is requesting a loan for improvements to its raw water system which serves Big Elk Meadows, a 205-lot subdivision with 160 residences distributed across 460 acres. During SEO inspection of the Association's raw water system and review of its water accounting practices it was determined the outlet conduit from Meadow Lake Dam was collapsing and there was no way to control release rates. It was also determined that the Association has no accurate means to measure flows and accurately control reservoir releases, violating the terms of its 1995 decree regarding return flows. The SEO has required that the Association improve their raw water system and accounting protocol in order to function safely and in compliance with its decrees. Project improvements include: Meadow Lake Dam outlet replacement, raw water monitoring, and ISH Reservoir augmentation outfall. This project will provide the Association with a means to monitor and control reservoir releases while satisfying downstream obligations per their augmentation plan. **Update: Construction started in February 2012.**

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

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

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

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

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

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

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

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

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

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

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

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

d. Town of Georgetown – Outlet Works Modifications Project (NOT UNDER CONTRACT)

Authorization: Construction Fund
Water Source: Clear Creek
Terms of Loan: \$2,976,975 @ 4.5% for 30 yrs.

County: Clear Creek
Project Yield: 208 AF
Project Type: Reservoir Rehabilitation

The Town is located on Clear Creek, along the I70 corridor. The Town needs to increase the outlet works capacity at Georgetown Lake Dam. The outlet works currently can release up to 260 cfs. In order to comply with an October 2010 court order regarding Lake operations, up to 500 cfs must be released so the Town can meet the terms of its augmentation plan. Construction is expected to begin in the spring of 2012.

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

Authorization: Construction Fund
Water Source: Box Elder Creek
Terms of Loan: \$116,265 @ 2.10% for 30 yrs.

County: Larimer/Weld
Project Yield: 33 AF
Project Type: Reservoir Rehabilitation

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

f. Jackson Ditch Company – Headgate Check Structure Rehabilitation Project (NOT UNDER CONTRACT)

Authorization: Construction Fund
Water Source: Cache la Poudre River
Terms of Loan: \$124,533 @ 3.60% for 30 yrs.

County: Larimer
Project Yield: 5,500 AF
Project Type: Ditch Rehabilitation

The Ditch Company is rehabilitating its check dam structure on the Cache la Poudre River. The river splits and flows around an island just upstream of the Company's diversion headgate. When flows are particularly low the structure is utilized to convey flows to the east side of the island where they can be diverted through the headgate. The concrete check dam has been in place since the 1960's, but has

recently fallen into disrepair, preventing the Company from diverting its most senior water rights at times. Construction is planned for the spring 2012.

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

Authorization: Construction Fund
Water Source: Cache la Poudre River
Terms of Loan: \$9,090,000 @ 2.0% for 30 yrs.

County: Uncompahgre River
Project Annual Yield: 22,600 MW
Project Type: Hydroelectric

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

h. Two Rivers Water Company – Orlando Reservoir Rehabilitation (NOT UNDER CONTRACT)

Authorization: Construction Fund
Water Source: Huerfano River
Terms of Loan: \$1,184,882 @2.50% for 20 yrs.

County: Huerfano, Pueblo
Project Yield: 6,800 acre-feet
Project Type: Reservoir Rehabilitation

The Company requested a loan to restore aging water infrastructure in order to support the company’s agricultural production. Loan funds will be used to modify the spillway at the Cucharas Dam. This will bring the spillway up to SEO standards and will allow the company to store water and avoid a pending breach order. Loan funds will also be used to repair the outlet works at the Orlando Reservoir No. 2, to construct a new headgate on the Orlando Canal, and to replace the old Huerfano-Cucharas Irrigation Company headgate with new automated gates. Construction on the Orlando project began in the winter/spring of 2012.

i. Paradise Acres Homeowners Association – Dedicated Fill Pipe (NOT UNDER CONTRACT)

Authorization: Construction Fund
Water Source: Pass Creek
Terms of Loan: \$62,721 @ 4.00% for 30 yrs.

County: Huerfano
Project Yield: 5 acre-feet
Project Type: Pipeline Project

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

j. La Veta, Town of – La Veta Dam Rehabilitation (NOT UNDER CONTRACT)

Authorization: Construction Fund

County: Huerfano

ATTACHMENT 3

Water Source: Cucharas River

Terms of Loan: \$372,690 @3.00% for 30 yrs.

Project Yield: 209 acre-feet

Project Type: Reservoir Rehabilitation

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

WSRA Open Grant Projects - Board Approved - Not Yet Contracted

Updated 03/1/12

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
2012 January Board Approvals										
Arkansas		Lower Arkansas Valley Water Conservancy District	Co Water 2012	Jan-12	\$6,255	\$0	\$6,255	Non structural, consumptive & Non consumptive water activity	Jacob	
Colorado	Eagle, Garfield, Grand, Mesa, Summit	Colorado Mesa University	Co Basin Roundtable Education Program	Jan-12	\$29,700	\$0	\$29,700	Non structural, consumptive & Non consumptive water activity	Jacob	
2011 November Board Approvals										
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	Various	Colorado State University Extension (with: Colorado Water Institute and Colorado Climate Center)	Agricultural Weather Data Delivery Improvements to Uncompangie Valley Irrigators	Sep-11	\$77,093	\$35,254	\$112,347	Nonstructural consumptive water project	Todd	1/13 See Email from M. Morreassy to Todd
Rio Grande	Hinsdale	Conjelo Water Conservancy District	Platono Reservoir Crest of Dam Repair	Sep-11	\$15,000	\$135,000	\$150,000	Structural water project	Greg/Kirk	3/1/12 Contract to DNR for Apprv'l
South Platte	Various	Duck Unlimited, Inc.	South Platte 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	1/10/12 Email from Ken Ventrees re: COI
2011 July Board Approvals										
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	
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 Compd 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 Proof of Ins. "G" Entry. Need SOW apprv'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	1/19 Email from L. Davidson re COI for GL. Todd has letter
South Platte	Sedgwick Logan, Morgan, Washington	TBD	Alluvial 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	1/9/12 Requested new COI from applicant (Wally) w/changes. Pending GL, COI OEPDA12IBC-14

ATTACHMENT 4

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										
South Plate		Ducks Unlimited, Inc.	Development of a Decision Support Model for Identifying and Ranking Waterflow and Wildlife Related Recharge Projects along the South Plate River	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										
Rio Grande										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
Southwest	San Miguel	Town of Sawpit	Domestic Water System Construction	Jul-09	\$25,000	\$0	\$25,000	Structural water project or activity	Greg	

WSRA IN PROGRESS PROJECTS

UPDATED 03/1/12

Basin	County	Applicant	Name of Water Activity	CMCB Mtg Approved	Basin Account	Statewide Account	Total Request	Type of Water Activity	Number	Amount	Matching Funds Authorized	Matching Funds Paid	Project Expire Date	Final Date Closed	Complete/In Progress/ Contracting Pending
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	Studies/analysis structural/nonstructural, consumptive/non water needs projects	C150441	\$599,931	Unknown		6/30/12		In Progress
Arkansas	Bent, Kiowa	Lower Arkansas Valley Water Conservancy District	John Martin Wetlands & Neenahse Reservoir Nonconsumptive Needs Qualification	May-09	148,975	\$0	148,975	Study/analysis of nonconsumptive water needs Study or analysis of non structural, consumptive, or nonconsumptive water needs and projects	C150457		\$43,250		6/30/12		In Progress
Arkansas	Chaffee, Lake, Saguache	Upper Arkansas Water Conservancy District	UAWCD Hydrologic Water Balance Study	Sep-09	\$0	\$180,000	180,000	Study or analysis of structural, non structural, nonconsumptive water needs, projects	C150460	\$180,000			6/30/13		In Progress
Arkansas	Pueblo	City of Pueblo	Bedload/Sediment Collection and Removal Technology - Fountain Creek	Sep-09	\$75,000	\$150,000	\$225,000		C150465	\$225,000			6/30/13		In Progress
Arkansas	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	T technical assistance regarding permitting feasibility studies and environmental compliance	C150456	\$258,333			6/30/13		In Progress
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
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
Arkansas	Various	Sangre de Cristo 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	121BC000006	\$46,971	\$9,394.20		6/30/15		In Progress
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
Arkansas	N/A	Pikes Peak Regional Water Authority/EI Paso City Wtr Authority	Basin Rounable Project Exploration Committee, Fleming Gauge	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
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
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	121BC0000015	\$20,000	\$0		12/31/2012		In Progress
Arkansas	Arkansas Basin Total Request		12		465,689	\$1,382,405	1,888,074								
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
Colorado		Northwest Colorado Council of Governments	Colorado Basin Nonconsumptive Needs Qualification	Mar-09	315,171	\$0	315,171	Nonstructural study of nonconsumptive needs	C150451	\$315,171	\$25,000		6/30/12		In Progress
Colorado	Mesa	Mesa Conservation District	Small Acreage Irrigation Audit Program - Grand Valley	Mar-11	\$18,273	\$0	\$18,273	Nonstructural project or activity	121BC0000001	\$18,273	\$8,000		6/30/12		In Progress
Colorado	N/A	Pikes Peak Regional Water Authority/EI Paso City Wtr Authority	Basin Rounable Project Exploration Committee, Fleming Gauge	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
Colorado	Garfield	Town of Gypsum	L.E.D. E. Ditch and Reservoir Reconstruction	Sep-10	\$50,000	\$175,000	\$225,000	Structural project or activity	C150494	\$225,000	\$610,000		12/31/13		In Progress
Colorado	Colorado Basin Total Request		5		410,444	\$182,143	592,587								
Southwest	La Plata, Archuleta	La Plata Archuleta Water District	La Plata Archuleta Water District Ret. Mesa Dam & Reservoir - Incremental Damage Analysis (IDA) & Emergency Action Plan (EAP)	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
Southwest	La Plata	Red Mesa Reservoir and Ditch Company	Protecting Irrigated Agricultural Lands and Water Rights for Agricultural Production	May-09	\$29,000	\$0	\$29,000	Study/analysis of structural/nonstructural water needs, projects	1000000061	\$29,000			6/30/12		In Progress
Southwest	All Counties in SW Basin	Marcos Valley Resources Inc., Florida Mesa Canal Companies	Canal Seepage Reduction Program	Nov-09	\$31,500	\$0	\$31,500	Study/analysis of nonstructural consumptive water project or activity	10000000125	\$31,500			6/30/12		In Progress
Southwest	La Plata			Sep-10	\$0	\$775,000	\$775,000	Structural and/ Studies or analysis of nonstructural, nonconsumptive water project	C150475	\$775,000			6/30/13		In Progress
Southwest		La Plata Water Conservancy District	La Plata River Water Resources Operations Model	Mar-11	\$0	\$148,823	\$148,823		C150477	\$148,823			6/30/12		In Progress

ATTACHMENT 5

Southwest	Dolores	Town of Rico	Town of Rico Alluvium Pipeline Water Supply Project - Well Drilling and Water Quality Testing	Mar-11	\$20,000	\$68,000	\$88,000	Structural project or activity	11000000122	\$88,000	\$90,000	In Progress
Southwest		Montezuma Valley Irrigation Company	Groundhog Reservoir Bathymetric Survey	Mar-11	\$35,000	\$0	\$35,000	Nonstructural project or activity	121BC000003	\$35,000	\$122,500	In Progress
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	121BC0000011	\$55,000		In Progress
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	121BC0000012	\$8,143	\$1,000	In Progress
Southwest Basin Total Request												
Number of Projects		10										
Gunnison	Gunnison	North Fork Water Conserv District (NFWCD) and Fire Mountain Canal& Reservoir Company (FMCC)	Sedimentation Management Study For Paonia Reservoir - North Fork of the Gunnison	Sep-07	79,000	\$230,000	309,000	Study/Analysis	C150414	\$309,000	\$10,000	In Progress
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		\$0	In Progress
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	In Progress
Gunnison Basin	Gunnison	Gunnison County	75 Ditch Diversion Improvements and Feature Enhancements	May-10	\$46,100	\$0	\$46,100	Structural project or activity	121BC000002			In Progress
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	121BC000004		\$11,500	In Progress
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	121BC0000012	\$9,143	\$2,000	In Progress
Gunnison	Delta	Painted Sky Development and Resource Council	Hartland Dam Improvements	Sep-11	\$53,100	\$0	\$53,100	Structural water project	121BC000008	\$53,100	\$1,200,000,000	In Progress
Gunnison Basin Total Request												
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	T echnical 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
Metro	Douglas	Douglas County Water Resource Authority	Rotary Sprinkler Nozzle Retrofit	Sep-10	\$0	\$250,000	\$250,000	Structural project or activity	C150471	\$250,000	\$87,500	In Progress
Metro	Douglas	Rural Water Authority of Douglas County	Rural Douglas County groundwater-level monitoring network	Sep-10	\$28,263	\$84,792	\$113,055	Study or analysis of nonstructural project or activity	C150473	\$113,055	\$60,880	In Progress
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
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
Metro	Dan,Douglas,Adams Arap,Jeffco, Broomfield	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
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	T echnical assistance regarding permitting feasibility studies and environmental compliance	C150456	\$283,333		In Progress
Metro	Denver	The Greenway Foundation	South Platte 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	In Progress
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	121BC000012	\$8,700	\$15,843	In Progress
Metro Basin Total Request												
Number of Projects		9										
North Platte	USFS		Effects of Mtn pine beetle & forest mrgmt 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	In Progress
North Platte	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	In Progress

ATTACHMENT 5

North Platte	Jackson	Ducks Unlimited, Inc.	North Park Irrigated Meadow Conservation Program – Phase I Solicitation of stakeholder input through production of a North Platte 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	In Progress
North Platte	Jackson	Colorado Foundation for Water Education	Education Package	Jan-11	\$14,040	\$0	\$14,040	Non-structural water activity	11000000084	\$14,040	\$0	In Progress
North Platte	Jackson	Jackson County Water Conservancy District	Structures for Water Control: Headgates and Diversion	Sep-11	\$128,828	\$0	\$128,828	Structural water project	C150488	\$128,828	\$ 26,383	In Progress
North Platte		Pikes Peak Regional Water Authority	Basin Roundtable Project Exploration Committee: Flaming Gorge	Jan-12	\$1,000	\$0	\$1,000	Study of structural, consumptive & nonconsumptive water project	12BCC0000012	\$1,000		In Progress
North Platte Basin Total Request					426,583	\$215,027	641,609					
Number of Projects					6							
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	In Progress
Rio Grande		Colorado Rio Grande Restoration Foundation	2008 Rio Grande Riparian Stabilization Project	Sep-08	35,000	\$250,000	256,000	Structural and/or nonstructural water project or activity	C150452		\$356,000	In Progress
Rio Grande								Environmental compliance & feasibility study, technical assist regarding feasibility studies & environmental compliance, analysis of consumptive & nonconsumptive water projects	10000000056		\$0	In Progress
Rio Grande		Colorado Rio Grande Restoration Foundation	Rio Grande Conservation Reserve Enhancement Program (CERP) Phase II - Implementation	Sep-09	31,500	\$0	31,500					In Progress
Rio Grande	Conejos	Manasas 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		In Progress
Rio Grande	Hinsdale	Santa Maria Reservoir Company	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. Structural and nonstructural project or activity. (Note: Statewide request to be considered at September board	C150443	\$22,000		In Progress
Rio Grande	Alamosa	The Colorado Rio Grande Restoration Foundation	2009 Rio Grande Riparian Stabilization Project - Phase 4	May-10	\$50,000	\$98,000	\$148,000		C150486	\$148,000	\$352,000	In Progress
Rio Grande	N/A	Pikes Peak Regional Water Authority/EI Paso City Wtr Authority	Basin Roundtable Project Exploration Committee: Flaming Gorge	Sep-11	\$1,000	\$7,143	\$8,143	Study of structural, consumptive & nonconsumptive water project	12BCC0000012	\$8,143	\$1,000	In Progress
Rio Grande	Rio Grande	The Colorado Rio Grande Restoration Foundation and McDonald Ditch Company	Plaza Project Phase 2 - McDonald Ditch	Sep-11	\$20,000	\$275,000	\$295,000	Structural water project	C150492	\$295,000	\$593,000	In Progress
Rio Grande		Costilla Sanchez Ditch & Reservoir Company	Sanchez Reservoir Rehabilitation - Phase I Assessment & Upgrade	Sep-11	\$10,000	\$85,000	\$95,000	Study of structural & nonstructural, consumptive & nonconsumptive water project	12BCC0000013	\$95,000	\$33,160	In Progress
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	12BCC0000013	\$15,600	\$50,850	In Progress
Rio Grande Basin Total Requests					310,100	\$856,843	1,166,943					
Number of Projects					10							
South Platte		District #4 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	In Progress
South Platte		Ducks Unlimited, Inc.	Weld County School Dist RE1 Wetland Partnership	Jul-08	42,110	\$0	42,110	Structural water project or activity	90000000063	\$42,110	\$160,000	In Progress
South Platte		Ducks Unlimited	S.P. Water protection and restoration	Sep-08	0	\$925,552	825,552	Structural and/or nonstructural water project or activity	C150432	\$825,552	\$2,000,000	In Progress
South Platte								Studies or analysis of nonstructural project or activity. Structural and/or nonstructural water project or activity				
South Platte		The Nature Conservancy of Colorado	Arickaree River Well retirement program, Republican River basin, CO	Sep-08	19,984	\$79,936	99,920	Environmental Compliance and Feasibility Study and Structural Water Project	09000000084	\$99,920	\$471,920	In Progress
South Platte		Ducks Unlimited, Inc.	Central South Platte Wetland Partnership	Mar-09	150,000	\$0	150,000		C150454		\$565,000	In Progress
South Platte		Fort Morgan Reservoir and Irrigation Company (FMIRCo)	FMIRCo Recharge & Wetlands Project	Sep-09	\$250,000	\$420,000	\$670,000	Structural and/or nonstructural water project or activity	C150464	\$670,000		In Progress
South Platte	Lamier, Weld, Logan, Sedgwick, Wash, Phillips, Yuma	Co Climate Center, CSU	Co Agricultural Meteorological Network (CoAgMet)	Jul-10	\$20,000.00	\$0.00	\$ 20,000.00	Structural project or activity	110000000079	\$20,000		In Progress

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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
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
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
South Plate	N/A	Pikes Peak Regional Water Authority/EI Paso City Wtr Authority	Basin Roundtable Project Exploration Committee, Flaming Gorge	Sep-11	\$2,000	\$7,143	\$9,143	Study of structural, consumptive & nonconsumptive water project	12B/C0000012	\$9,143	\$2,000	12/31/12	In Progress
South Plate Basin Total Request				771,071		\$1,890,964		2,662,035					
Number of Projects				11									
Y/M/G		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		\$15,626	9/30/12	In Progress
Y/M/G	Rio Blanco/Garfield/Moffat	The Nature Conservancy Bear River Reservoir Company	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
Y/M/G	Garfield,Routt		Stillwater Reservoir Seepage Project Improvement of lysimeter operations and consumptive use quantification in high-altitude, irrigated meadows in the Yampa /White Basin	Sep-09	\$189,000	\$0	\$189,000	Structural and/or nonstructural water project or activity	C150469			6/30/12	In Progress
Y/M/G	Routt	Colorado Climate Center, Colorado Division of Water Resources		Sep-10	\$10,000	\$10,978	\$20,978	Studies or analysis of structural, nonstructural, consumptive, nonconsumptive water needs, projects	11000000058		\$20,978	6/30/15	In Progress
Y/M/G	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
Y/M/G		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
Y/M/G	Routt	The Upper Walker Ditch Company	Yampa River/Walker Ditch River Restoration Project	Mar-11	\$20,000	\$20,000	\$40,000	Structural project or activity	12B/C0000010	\$40,000	\$92,250	6/30/12	In Progress
Y/M/G Basin Total Request				7		\$182,978		890,842					
Number of Projects				7									
Total WSRA Project In Progress				77		\$ 3,710,863.81		\$ 8,227,696.73		\$ 11,938,560.54			

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, El Paso, Kiowa	Southeastern Colorado Water Conservancy District	Tamarisk	Mar-07	\$0	\$50,000	\$50,000	Study/analysis of nonstructural water activity	8000000005				06/30/09	Todd Completed	
	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	
	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, El Paso, Teller	Pueblo and El Paso Counties	Force	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	Round Mountain Water & Sanitation District Water System Improvements Project	May-07	\$120,000	\$0	\$120,000	Structural Water Project	C150403			09/02/09	09/17/09	Todd Completed	
Arkansas	El Paso, Elbert, Lincoln Pueblo Otero/ Crowley, Bent, Powers, Fremont, Chaffee, El Paso, Kiowa	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	Southeastern Colorado Water Conservancy District	Model Transfers- Agriculture to Urban, Arkansas Basin Arkansas Headwaters Diversion Structure Improvement Project City of Las Animas Water System Improvements Rotational Land Following- Water Leasing Program -Lower Arkansas Super Ditch Company	Jan-08	\$23,860		\$23,860	Study/analysis of structural/nonstructural project	8000000135					Eric Completed	
Arkansas	Lake, Chaffee, Fremont	Greater Arkansas River Nature Association		Mar-08	\$57,955	\$57,955	\$57,955	Study/Analysis Consumptive and Non- Consumptive Project	9000000025			Closed 8/31/09		Ted Completed	
Arkansas	Bent	City of Las Animas		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		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	Mussel Response	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		Mar-07	0	\$200,000	200,000	Study/analysis of structural activity	C150406	\$200,000			6/30/11	11/24/10	Completed
Arkansas	El Paso	El Paso County Water Authority/The Keystone Center	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	11000000008	\$20,000			6/30/11	6/30/11	Completed
Arkansas	Chaffee, Fremont, Custer	Upper Arkansas WCD		Sep-08	75,000	\$210,332	285,332	Structural and/or nonstructural water project or activity	C150439	\$285,332			12/31/11	9/7/11	Completed
	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			8/31/11	12/31/11	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	Sept-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	Enlargement of Eagle Park Reservoir	Mar-07	\$0	\$250,000	\$250,000	Study or Analysis of Non- Consumptive Needs	C150401	\$118,707		12/31/09	12/17/09	Eric Completed	
Colorado	Garfield, Pitkin, Gunnison, Eagle	Ruedi Water and Power Authority	Roaring Fork Watershed Assessment	Mar-07	\$40,000	\$0	\$40,000		8000000012					Chris Completed	

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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 Nonstructural 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 and/or non 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		Grand County	Grand County Stream flow Management Plan	May-08	\$100,000	\$0.00	100,000	Study of consumptive water needs assoc. w/energy develop. in the CO. White& Yampa river basins	C150461	06/30/11	12/16/10	Todd	Completed	
Colorado	No information on Summary for counties			City of Grand Junction	Mar-07	0	\$150,000	150,000	Study/Analysis Consumptive and Non-Consumptive Project	C150407	\$150,000	\$0	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	Structural project or activity	9000000049	\$40,000.00	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	\$25,000	06/30/11	06/01/11	Kirk	Completed
Colorado	Grand, Summit, Eagle, Pitkin, Garfield, Mesa Water Education			Sep-10	\$25,000	\$0	\$25,000	Nonstructural water project or activity	11000000039	\$25,000	06/30/11	06/28/11	Jacob	Completed
Colorado	Grand County	Grand County	Fraser Sedimentation Basin Battlement Reservoir #3 Dam reconstruction to enhance recreational & environmental opportunities	Mar-08	\$60,000.00	\$127,900	\$187,900.00	Structural Water Project	C150449	\$187,900	6/30/12	12/31/11	Greg	Completed
Colorado	Garfield	Trout Unlimited Chapter		Sep-08	\$80,000	\$0	\$80,000	Structural and/or non structural water project or activity	11000000126	\$80,000	12/31/12	12/23/11	Jacob	Completed
Colorado Basin Total Request					\$560,000	\$2,227,900	\$2,787,900							
Number of Projects	14													
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	\$1,000,000	12/31/25	12/17/08	Rick	Completed
Southwest		Maneros 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
								Environmental/Technical feasibility studies and studies or analysis of structural and/or non structural water project or activity						
Southwest	La Plata/Archuleta	La Plata Archuleta Water District	Water System Master Planning	Nov-08	\$100,000	\$0	\$100,000	Structural water project or activity	9000000112	None	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	\$132,375	06/30/11	12/09/09	Greg	Completed
Southwest	La Plata	Happy Scenes	System and Distribution Upgrades	16-Sep-08	\$39,760	\$50,000	\$0	Structural Project	9000000127	\$87,100	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	\$6,700	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	\$284,000	06/30/10	06/30/10	Greg	Completed

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Southwest	Summit Reservoir and Irrigation Company	MVIC Summit Irrigation Company feasibility study	Sep-08	39,300	\$0	39,300	Environmental/Technical feas. studies & studies/analysis of structural &/or non structural wtr project or activity	90000000085	\$0	08/31/10	08/31/10	Kirk	Completed
Southwest	Lower Blanco River Restoration	Lower Blanco River Restoration Project	Sep-09	0	\$150,000	150,000	Structural and/or nonstructural water project or activity	C150468	\$0	06/30/12	12/17/10	Greg	Completed
Southwest	Goodman Point Water Association	Goodman Point Phase 2	Sep-07	\$20,000.00	\$240,000	260,000	Structural Project	C150462	\$260,000	06/30/12	3/16/11	Greg	Completed
Southwest	San Juan Resource Association	Development - Animas Watershed Project	Sep-09	\$57,000	\$0	\$57,000	Study or analysis of non structural, nonconsumptive water needs and projects	11000000028	\$57,000	9/30/2012	4/26/2011		Completed
Southwest	Manaos Conservation District	Manaos River Diversion Project, Phase I	Nov-09	\$24,753	\$0	24,753	Study/analysis of structural nonconsumptive water project or activity	10000000111	\$24,753	12/30/10	06/06/11	Chris	Completed
Southwest	Florida Mesa Canal Companies	Canal Seepage Reduction Program	Sep-09	\$0	\$225,000	225,000	Technical assistance regarding permitting feasibility studies and environmental compliance. and study or analysis of structural project or activity	C150463	\$225,000	06/30/11	06/30/11	Greg	Completed
Southwest	Town of Norwood	Raw Water System Update and Future Needs Study	Jan-10	\$0	\$58,458	58,458	Study/analysis of consumptive water project or activity	10000000085	\$58,458	06/30/11	06/30/11	Greg	Completed
Southwest	Florida Mesa Canal Companies (Florida Canal, Florida Farmers Ditch, Florida Enlargement Ditch, and the Florida Co-operative Ditch Company)	Ditch Loss, Hydropower, and Monitoring Improvement Program	Mar-09	100,000	\$0	100,000	Technical Assistance for Feasibility Studies; Study & Implementation of a Structural, Consumptive Water Project	9000000115	\$300,000	06/30/11	06/30/11	Greg	Completed
Southwest	Bauer Lake Water Company	Bauer Lakes Water Co. Dam Outlet Structure Upgrade	Mar-08	\$40,000	\$0	40,000	Structural Project	10000000084	\$40,000	12/31/11	12/31/11	Greg	Completed
Southwest	Dolores Water Conservancy District	Totten Reservoir Hydrographic Survey	Nov-10	\$29,500	\$0	\$29,500	Nonstructural water activity	110000000114	\$29,500	12/31/11	12/31/11	Greg	Completed
Southwest	Town of Silverton	Molas Lake Ditch Rehabilitation and Diversion Structures	Jan-09	95,000	\$0	95,000	Structural Project	9000000143	\$1,100,000	12/31/11	11/18/11	Greg	Completed
Southwest	Animas La Plata Water Conservancy District	Recreational Plan for Lake Nighhorse	Nov-10	\$25,000	\$0	\$25,000	Study or analysis of nonstructural water activity	121BC000005	\$25,000	12/31/11	10/21/2011	Jacob	Completed
Southwest	La Plata			\$949,748	\$2,723,458	\$3,673,206							
Southwest	Southwest Basin Total Request												
Southwest	Number of Projects			20									
Gunnison	Hinsdale	Upper Gunnison Water Conservancy District and Hinsdale County	May-07	\$35,000	\$0	\$35,000	Technical assistance regarding permitting, feasibility studies, and environmental compliance	80000000021			Closed	Todd	Completed
Gunnison	Delta	Town of Orchard City	May-07	\$60,000	\$0	\$60,000	Study/Analysis	80000000007				Todd	Completed
Gunnison	Delta	Town of Orchard City	Sep-07	\$0	\$380,000	\$380,000	Study/Analysis	C150410		12/31/08	Closed	Todd	Completed
Gunnison	Delta, Montrose, Ouray	Off-System Raw Water Storage Project 7 Water Authority and Uncompangre Valley Water Users Association	Sep-07	\$56,700	\$0	\$56,700	Environmental Compliance and Feasibility Study	80000000059			Closed	Todd	Completed
Gunnison	Gunnison	North Fork River Improvement Association	Sep-07	\$48,000	\$62,700	\$110,700	Structural--development of construction plans and specifications for project	C150411		12/31/08	Closed	Todd	Completed
Gunnison	Mesa	Enterprise Fund	Mar-09	\$97,000	\$0	\$97,000	Structural Water Project	90000000088	\$97,586	06/30/10	12/15/09	Jacob	Completed

Gunnison	Delta	Painted Sky Resource Conservation and Development Council, Inc.	Hartland Diversion Dam Fish Passage Feasibility Study	May-09	22,100	\$0	22,100	Study or analysis of a structural water project or activity	9000000144	\$1,000	06/30/10	01/25/10	Greg	Completed
Gunnison	Oury	City of Oury	Development of Augmentation Supplies	May-09	50,000	\$0	50,000	Structural and/or nonstructural water project or activity	10000000041	\$50,000	06/30/11	06/30/11	Todd	Completed
Gunnison	Oury	Town of Ridgway	Ridgway Ditch and Lake Olonawanda Improvement Project	Mar-09	109,500	\$0	109,500	Tech Assist Regarding Permitting, Feas. Studies & Enviro Compliance.& Study or Analysis of a Structural Project	C150455	\$109,500	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	11000000127	\$11,817	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	9000000041	\$75,265	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	8000000008	\$60,000	6/30/2008	6/30/11	Todd	Completed
Gunnison Basin Total Request	Delta	Overland Ditch and Reservoir Company	Overland Reservoir Dam Expansion/Restoration	Sept-07	0	\$68,000	68,000		8000000038	\$68,000	8/31/2008	6/30/11	Todd	Completed
Number of Projects		13	Chaffield Reallocation EIS/FR (South Platte BRT contributing \$27,000)	Mar-07	\$103,000	\$0	\$103,000	Study/Analysis of Structural Water Project	C150412		01/08/09		Chris	Completed
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	East Cherry Creek Valley Water and Sanitation District	Parker Water and San. And Colo. State University Joint Farm Model	Sept-07	\$150,000	\$0	\$150,000	Non-structural water project or activity	9000000019		12/31/09		Todd	Completed
Metro	Logan	Parker Water and Sanitation District	Solicitation of Stakeholder Input through a South Platte Edition of Headwaters	July-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	South Metro Water Supply Authority - Regional Aquifer Supply Assessment	Jul-08	100,540	\$0	100,540	Study/analysis of structural, non structural, nonconsumptive water needs, projects	C150442	\$0	06/30/10		Chris	Completed
Metro	Denver	Greenway Foundation Clear Creek County on behalf of Upper Mountain Counties Water Needs	Upper Mountain Counties Water Needs Assessment	May 2008	43,587	\$0	43,587	Study/Analysis 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	El Paso County Water Authority/The Keystone Center	Flaming Gorge Project Task Force Assessment	May-10	\$20,000	\$0	\$20,000	Studies or analysis of structural, consumptive water projects	C150447	\$160,000	6/30/2011	9/27/11	Greg	Completed
Metro	Arapahoe,Adams Weid	Lost Creek Groundwater Management District	Lost Creek Aquifer Recharge and Storage Study	Jan-09	80,000	\$0	80,000							
Metro Basin Total Request					\$863,146	\$200,000	\$1,063,146							
Number of Projects		9	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			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

ATTACHMENT 6

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	1100000087	\$7,900		11/30/11	11/7/11	Greg	Completed
N Platte Basin Total Request Number of Projects	4				\$623,000	\$96,000	\$719,000								
Rio Grande	Alamosa Riverkeepers	Alamosa River In-stream Flow Project	Rio Grande Basin Conservation Reserve Enhancement Program	Mar-07	\$64,500	\$0	\$64,500	Study/Design for Structural Water Project	7000000076					Chris	Completed
Rio Grande	Colorado Rio Grande Restoration Foundation			May-07	\$36,750	\$0	\$36,750	Non-structural water activity	8000000006					Todd	Completed
Rio Grande	Romero Irrigation Company	Romero-Guadalupe Channel Rectification Project		Sep-07	\$83,700	\$0	\$83,700	Structural Water Project	8000000060					Eric	Completed
Rio Grande	Rio Grande Headwaters Land Trust	Rio Grande Initiative	San Antonio River - El Codo Ditch Diversion and Rehabilitation	Mar-08	\$200,000	\$1,300,000	\$1,500,000	Structural/Non-Structural Water Activity	C150420					Todd	Completed
Rio Grande	Conejos	El Codo Ditch Company	Conejos River and North Branch Diversion and Stabilization	May-09	\$65,000	\$0	\$65,000	nonstructural water project or activity	1000000001	\$23,445		12/31/09	12/08/09	Greg	Completed
Rio Grande	Manasssa Land and Irrigation Company			Sep-08	50,000	\$333,700	383,700	Structural and/or nonstructural water project or activity	C150446	\$98,000			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	Structural and/or nonstructural water project or activity	C150448	\$250,000		06/30/11	02/03/11	Kirk	Completed
Rio Grande	Tinchera Irrigation Company	Sangre de Cristo Tinchera Diversion Canal Restoration	San Luis Peoples Ditch	Sep-09	\$104,000	\$150,000	254,000	Structural and/or nonstructural water project or activity	C150458	\$254,000	\$46,500	7/31/11	10/22/10	Greg	Completed
Rio Grande	Costilla Saguache, Rio 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	Structural project or activity	11000000053	\$40,000	\$102,000	6/30/11	9/7/11	Greg	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		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
Rio Grande Basin Total Request Number of Projects	14				\$873,950	\$2,326,700	\$3,200,650								
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						Todd /Tom	Completed
South Platte		Clear Creek County	Clear Creek Water Banking/High Altitude Storage Solicitation of Stakeholder	May-07	\$52,000	\$0	\$52,000	Environmental Compliance/Feasibility Study	8000000037					Eric	Completed
South Platte		Colorado Foundation for Water Education	Input through a South Platte Edition of Headwaters Lower South Platte Wetland Initiative Phase I	Jul-08	\$16,019	\$0	\$16,019	Non-structural water project or activity	9000000019					Todd	Completed
South Platte		Ducks Unlimited, Inc.	South Platte River, CO	Sep-07	\$0	\$278,476	278,476	Specifies all eligible activities	C150415	\$500,255				Todd	Completed

ATTACHMENT 6

South Plate	Clear Creek County on behalf of Upper Mountain Counties Water Needs Consortium	Upper Mountain Counties Water Needs Assessment	May 2008	130,763	\$0	130,763	Study/Analysis Environmental compliance/Tech. Assists/Studies or analysis of structural, nonstructural, consumptive, nonconsumptive w/rt needs projects	C150429	See Metro	06/30/10	12/31/10	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	nonconsumptive w/rt needs projects	C150436	\$271,109	06/30/10	06/30/10	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	10/30/08	06/30/11	Todd Completed
South Plate	South Plate Basin Total Request		Jan-09	80,000	\$0	80,000		C150447		6/30/2011	6/30/2011	Andy Completed
Number of Projects	8			\$380,017	\$354,781	\$734,798						
Y/M/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	03/31/08	02/25/10	Todd Completed
Y/M/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	12/31/08	02/25/10	Todd Completed
Y/M/G	Colorado Foundation for Water Education	Headwaters Magazine - January 2010	Sep-09	20,000	\$0	20,000	Study or analysis of structural, non structural, consumptive, and projects	10000000050	\$22,938	06/30/10	05/17/10	Jacob Completed
Y/M/G	Community Agriculture Alliance, Inc.	Development and Implementation of Water Forums, Workshop, and/or Tours	Sep-09	10,000	\$0	10,000	Study or analysis of structural, non structural, consumptive, water needs and projects	10000000046	\$2,675	06/30/11	12/31/10	Jacob Completed
Y/M/G	City of Steamboat Springs and Rout County	Common Data Repository	Jan-08	106,600	\$0	106,600	Study or analysis of consumptive/ nonconsumptive needs Study or analysis of structural/nonstructural and consumptive/ nonconsumptive needs	C150423	\$50,000	6/31/10	12/31/10	Todd Completed
Y/M/G	Moffat County	Agricultural Water Needs Assessment	Jan-08	201,410	\$0	201,410	Study of consumptive water needs associated with energy development in the Colorado, White and Yampa river basins Studies or analysis of consumptive water needs project or activity	C150418	\$0	12/31/10	12/31/10	Eric Completed
Y/M/G	City of Grand Junction	Energy Development Water Needs Assessment (300,000 Joint Application see Colorado) Sandwash basin coalbed methane production deplete effects on water resources	Mar-07	0	\$150,000	150,000		C150407	\$300,000	03/31/11	03/31/11	Jacob Completed
Y/M/G	Moffat County		Sep-08	20,000	\$98,835	118,835		C150435	\$2,000	06/30/11	02/14/11	Jacob Completed
Y/M/G Basin Total Request	8			423,510	\$248,835	\$672,345						
Water Supply Reserve Account Total Requests	105			\$6,011,134	\$10,406,661	\$16,417,795						

**March 20-21, 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. 5-07CW061 - Application of Diamond S Ranch

The Board ratified this statement of opposition at its July 2007 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 does not injure the Board's instream flow water rights on 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 CWCB's instream flow water right will not be injured.

The CWCB holds the following instream flow water rights that could be injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
5-80CW126	Eagle River	110 (05/01-09/30) 45 (10/1-04/30)	3/17/80	Eagle River	Eagle
5-80CW124	Eagle River	130 (05/01-09/30) 50 (10/1-04/30)	3/17/80	Eagle River	Eagle

The Applicant has agreed to the following terms and conditions:

- All ponds used for storage will either not intercept groundwater or will be lined to the satisfaction of the Division Engineer.
- Water must be physically available at the headgate of the Hollingsworth Ditch described herein above and legally available pursuant to water right Priority No. 141 for Applicant to divert the Hollingsworth Ditch, Priority No. 141 water right changed herein at the above-described alternate points of diversion.
- Applicant shall bypass up to 0.11 cfs of its 0.48 cfs, original construction, Hollingsworth Ditch, Priority No. 141, water right changed herein during the irrigation season months of May through October and the first half of November via the Diamond Star Ranch Augmentation Pond to replace the historical irrigation return flows associated with this changed water right.
- The cumulative diversion rate for the monthly historical irrigation return flow bypasses described herein below in Table 9 and the changes of Applicant's Hollingsworth Ditch, Priority No. 141, water right, at the alternate points of diversion and use described herein shall not exceed 0.48 cfs, and Applicant shall reduce diversions at the alternate diversion point headgates described herein to not exceed the 0.48 cfs cumulative maximum change of water right and the monthly historical irrigation return flow bypass diversion rates.

- Pursuant to CRS § 37-92-305(8)(c), the State Engineer shall curtail all out-of-priority diversions, the depletions from which are not so replaced as to prevent injury to vested water rights.
- Pursuant to CRS §37-92-304(6), the plan for augmentation approved herein shall be subject to reconsideration by the Water Judge upon the question of injury to the vested water rights of others immediately after entry of a final Decree in this case and continuing thereafter for a period of five (5) years following Applicants' filing a notice in this case that the plan for augmentation approved herein has been operated so as to replace all out-of-priority stream depletions resulting from diversions made at the Diamond Star Ranch Headquarters Well, Warren Gulch Spring and the West Sherman Spring & Pipeline, First Enlargement for beneficial uses at the Lake Oleson House and the Diamond Star Ranch Headquarters.

(2) Case No. 4-09CW141 – Application of Simmons Mountain Ranch, LLC

The Board ratified this statement of opposition at its March 2011 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed augmentation plan does not injure the CWCBC's instream flow water right if out-of-priority depletions are not replaced 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 instream flow water rights that could have been injured by this application:

CWCBC Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
4-84CW395	Cimarron River	25/15	5/4/1984	Upper Gunnison	Montrose, Gunnison

The Applicants have agreed to the following terms and conditions:

- Applicant withdrew its domestic and hydropower claims.
- Applicant has accounted for lagged depletions
- Applicant claims Simmons Pond 2 as absolute rights for stockwater, wildlife, recreation, fish culture and irrigation, and for augmentation of evaporation from Simmons Pond 9 Pit Well. 1.498 acre-feet of active storage in Pond 2 will be reserved and dedicated to augmentation use only.
- Applicant's wastewater rights, Simmons Wastewater Diversions 1-11 are only for waters which enter Applicant's lands from adjacent properties. Applicant may not control how, nor whether, the adjacent properties are irrigated.
- Pursuant to C.R.S. 37-92-305(8), the State and Division Engineers shall curtail all out-of-priority diversions under Applicant's plan for augmentation, the depletions from which are not so replaced as to prevent injury to vested water rights. If the augmentation water supply should not be available for any reason, curtailment of all out-of-priority diversions will occur.
- Applicant shall install measuring devices, provide accounting, and supply calculations regarding the timing of depletions as required by the Division Engineer for the operation of this plan. Applicant shall also file an annual report with the Division Engineer by November 15th of each year summarizing diversions and replacement made under this plan.
- Pursuant to C.R.S. 37-92-304(6), the Court will reserve jurisdiction of this case for five years after the Simmons Augmentation Plan becomes operational, for the consideration of injury to any

person from the augmentation plan granted herein. Applicant shall notify the Court and the Division Engineer in writing when the Plan is operating.

(3) Case No. 5-04CW239 – Application of Cotton Ranch Metropolitan District and the Town of Gypsum

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 Co-applicant's proposed water storage rights and plan for augmentation and exchange does not injure the CWCB's instream flow 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 instream flow water rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
5-80CW116	Gypsum Creek	6.0	3/17/1980	Eagle River	Eagle
5-80CW124	Eagle River	130/50	3/17/1980	Eagle River	Eagle

The Co-applicants have agreed to the following terms and conditions:

- The claims for domestic and commercial uses have been withdrawn.
- Co-applicants acknowledge the following water rights of the Colorado Water Conservation Board: Case No. 80CW116 for 6.0 cfs for the stretch of Gypsum Creek between Red Creek and the Eagle River; Case No. 80CW124 for 130 cfs from May through September and 50 cfs from October through April for the stretch of the Eagle River from the confluence of Brush Creek to the confluence with the Colorado River.
- Co-applicants agree they will not operate the exchanges decreed in this case through any exchange reach at times when the CWCB has placed a call that is recognized and administered by the Division Engineer for the instream flow right in the exchange reach.
- At times when Co-applicants cannot legally exchange River District contract water through the exchange reach on the Eagle River, Co-applicants will augment out of priority depletions by release from on-site storage using water stored in Cotton Pond, Clubhouse Pond, and Cotton Ranch Pond, No. 4 under the following water rights: Cotton Ranch Diversion, Cotton Pond, Second Enlargement, Cotton Ranch Pond No. 4, First Enlargement, Clubhouse Pond, and Cotton Ranch Exchange (see Third Claim below). Alternatively, Co-applicants will apply water stored in these ponds to directly irrigate the Upper Mesa and replace evaporation from golf course ponds.
- Co-applicants shall install and maintain such measuring devices as the Division Engineer may require under C.R.S. §37-92-502(5) for the administration of the rights adjudicated herein.
- Pursuant to C.R.S. § 37-92-305(8), the State Engineer and the Division Engineer shall curtail all out-of-priority diversions, the depletions from which are not so replaced as to prevent material injury to vested water rights.

(4) Case No. 1-04CW121 – Application of the City of Denver

The Board ratified this statement of opposition at its September 2004 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that Applicant's proposed use of lawn irrigation return flows historically accruing to Little Dry Creek does not injure CWCB's instream

flow water right on this creek. Upon further investigation of Applicant's proposal and engineering submitted in this case No. 04CW121, CWCB has found that the water rights to be adjudicated in this case will not impact CWCB's instream flow water right on Little Dry Creek, decreed in Case No. 93CW100. Therefore, CWCB withdrew its opposition in this case.

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

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
1-93CW100	Little Dry Creek	2.2	7/22/93	South Platte River	Arapahoe

Trial is set for April 30, 2012. CWCB will not participate in this trial.

(5) Case No. 5-07CW074 - Application of John and Charlene M. Simcox

The Board ratified this statement of opposition at its July 2007 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicants' proposed changes of water rights, which may cause an expansion of use, do not injure the Board's instream flow water rights on Crooked Creek by not replacing out-of-priority depletions in time, place and amount. Pursuant to ISF Rule 8.i. (3), an Injury with Mitigation proposal regarding one segment of one instream flow reach was accepted by the Board at its July, 2011 meeting. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that CWCB's remaining instream flow water rights 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
5-90CW301	Crooked Creek	6/1.5	11/27/90	Fraser River	Grand
5-90CW296	Crooked Creek	8/4/2	11/27/90	Fraser River	Grand

The Applicants have agreed to the following terms and conditions:

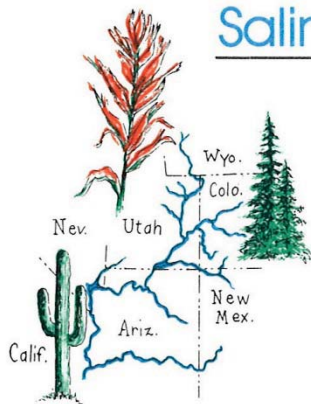
- Prior to the initial use of the change water rights as part of any plan for augmentation and/or injury with mitigation plan approved by this decree, Applicants shall provide written notice to the Division Engineer and the Opposition on or before April 1 of the first year in which the new uses will occur. Such notice shall describe, by appropriate legal description, the two (2) acre area which will be permanently removed from irrigation and be accompanied by a map indicating the acreage removed. To ensure that no sub-irrigation will occur, the land removed from irrigation shall be the most up-gradient area available on Applicants' Property (and which was historically irrigated by Crooked Creek Ditch No. 1). Furthermore, such notice shall include documented proof that the Applicants' have recorded with the Grand County Clerk and Recorder the appropriate covenant documenting the permanent removal of said two (2) acres from irrigation and prohibiting future irrigation of said land by Applicants' remaining interest in Crooked Creek Ditch No. 1. Such recorded covenant shall run with the title to Applicants' Property and be binding on Applicants' successors, heirs, personal representatives and assigns.
- Applicants proposes to replace all out-of-priority depletions from Dusty Diamond Wells No. 1, 2, 3, 4, 5, 8, 9, and 10 and evaporative losses associated with Simcox Reservoir with the use of

consumptive use credits approved herein. A portion of Applicants' entitlement under both priorities of Crooked Creek Ditch No. 1 will be either (i) left in Crooked Creek to directly augment and replace depletions from the wells or (ii) stored in Simcox Reservoir for subsequent release for augmentation.

- The IWM Plan requires Applicants to dry-up an additional one (1) acre of irrigated land, above and beyond that necessary to give effect to plan for augmentation approved herein. The consumptive use credits associated with additional dry-up of one (1) acre of irrigated land of 1 acre-foot per year during the irrigation season from May through October will be left in Crooked Creek in order to mitigate the potential non-irrigation season injury to the CWCB's instream flow right. *See*, Table 2, Column (11) and Paragraph 7.D., above (providing for the total consumptive use credit for Applicants' change water rights). The extent of the potential injury is 0.36 acre-feet per year during the non-irrigation season from October through April. The instream flow injury reach extends from the point of depletions, just downstream of Crooked Creek Ditch No. 1, to the point of replacements by Simcox Reservoir, approximately ¼ mile downstream. It is noted that Crooked Creek Ditch No. 1 is located outside of the potential injury reach to which this IWM Plan applies and no other diversions exist within the injury reach.
- In order to give effect to the IWM Plan, and in accordance with ISF Rule 8i.(3), additional terms and conditions are made a part of the ruling and decree as presented to the Board in its July, 2011 meeting.

Colorado River Basin

Salinity Control Forum



MEMORANDUM 2012-11

TO: Forum Members

FROM: Don A. Barnett, Executive Director

SUBJECT: Update on 2012 Farm Bill Activities

DATE: March 2, 2012

GOVERNORS

Janice K. Brewer, AZ
 Jerry Brown, CA
 John Hickenlooper, CO
 Brian Sandoval, NV
 Susana Martinez, NM
 Gary R. Herbert, UT
 Matthew H. Mead, WY

FORUM MEMBERS

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Perri Benemelis
 Larry R. Dozier
 Linda Taunt

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Pete Silva
 Gerald R. Zimmerman

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Jennifer L. Gimbel
 Steven H. Gunderson
 David W. Robbins

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Leo M. Drozdoff
 John J. Entsminger
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Randy Crozier
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On February 28, 2012, there was a Senate hearing titled *Strengthen Conservation through the 2012 Farm Bill*. There are four or five different hearings being conducted by Senate Ag Committee Chairwoman Stabenow on different elements of the 2012 Farm Bill. One can view the hearing at the following link:

<http://www.ag.senate.gov/hearings/strengthening-conservation-through-the-2012-farm-bill>

Senator Michael Bennet from Colorado is now the Chairman of the Senate's Agriculture, Nutrition and Forestry Subcommittee on Conservation, Forestry and Natural Resources. During the hearing there was a discussion between Senator Bennet and the NRCS Chief Dave White regarding the Salinity Control Program. Though unofficial, we have transcribed a portion of that conversation which we believe would be of interest to Forum members (attached). Last week Dave Robbins had a conversation with Senator Bennet wherein Senator Bennet indicated that he would be "pleased" to shepherd the Salinity Control Program through the 2012 Farm Bill changes. We are now working with the Senator's staffer on agricultural issues to ensure that the Chairman's mark of the 2012 Farm Bill (when it comes out) has the right latches and authorities to "functionally" continue the Salinity Control Program. Attached hereto is a copy of the letter which, working with the Management Committee, we sent to Senator Bennet's staffer to assist in this effort. It's anybody's guess as to whether a new Farm Bill will pass this year given the politics in Washington. However, it is my understanding that a Chairman's mark for the 2012 Farm Bill may be out in the not-too-distant future and that the goal of the bill will be to reduce and streamline the number of programs, while preserving their functionality.

attachments

cc: Work Group

**Senate Ag Hearing
Strengthening Conservation through the 2012 Farm Bill
Tuesday, February 28, 2012**

(Unofficial transcription from the Senate hearing recording, beginning at minute 74:50)

Senator Bennet (Colorado) – Chief White, I continue to hear that NRCS has backlogs for the current easement programs and that landowner demand outpaces current funding levels. Would the Service be able to submit information on the number of unfunded applications you have gotten for FRPP, GRP and the Wetlands Reserve Program (WRP)?

White – Yes sir.

Bennet – Thank you, I appreciate that. And Chief, the Bureau of Reclamation, as you know, is working on a study of the Colorado River Basin which is due out in July. The study is likely to highlight the gap between the demands on the River, both agricultural and municipal, and supply into the future. I wonder whether you could share with the Committee how NRCS is working with farmers, ranchers and conservation partners out west to secure the productivity of agriculture in the Basin while also addressing this gap?

White – We do a lot of work with the Bureau of Reclamation, Senator Bennet. I can give you a California example where they're putting money in and we're putting money in, and this is in the Central Valley. They're trying to shore up the conveyance systems, or irrigation water development, and we're taking it from the point it comes out of the canal and doing the on-farm conservation, and we're having some real phenomenal results. In your particular part of the world, when EQIP was created back in 1996, they created that out of four programs. One of them was the Colorado River Salinity Program. From that day to this day, millions of dollars are being spent in the Colorado River Basin to work on the salinity issues. Because of our treaty obligations with Mexico and the Colorado River on the salt content, we're also doing a huge amount of work on the efficiency, water conservation, on those irrigated lands. So I think with the programs, we are addressing that.

Bennet – I appreciate that. I met last week, Madam Chair, with some representatives of our conservation districts, our water districts, and one of the things they wanted to urge me to say to the committee is that what in the rest of the country can be seen as a water quality issue, in the west it really is a water quantity issue that our people are struggling with, and I appreciate very much your work on this. The group of people I met with actually represented the entire state, including the San Luis Valley where Ken Salazar is from, a former member of this committee. We talked a lot about the importance of AWEP and EQIP, and Chief, I wonder if with the last couple of minutes I have here, you could give us your thoughts on how we maintain the functions of those programs as we move to a simpler farm bill. You had said earlier in your testimony that the work that the Chairman and the ranking member had done

for the Super Committee would sort of hit the mark and I agree with that as a general matter. We need to make sure that, in the writing of the law and the implementation, that as we think about consolidation here, we are protecting the important functions here, and I wonder if you've got a perspective on that?

White – Yes, I do. In full disclosure, I've never seen the final copy. I don't know anything about it. We were called up, as Senator Roberts, to provide counsel and advice, but my understanding is that it is awesome, just awesome. You've got the "A Team" working on this darn thing. I think as far as AWEPP goes, there's some opportunities there for . . . essentially, that's a partnership issue where you work with other entities and things like that, and I said earlier if we could increase our partnership activities, that would be good, especially in view of the budgets that are declining, but I would put a lot of faith in the Chair and ranking member, as well as all of you, when you see that, whenever that Chairman's mark comes out.

Bennet – Madam Chair, I've got a number of other questions for Chief White and for Mr. Nelson. I wonder if I could submit those for the record for their written responses.

Chair – Absolutely.

Bennet – Thank you very much.

White – May I have one follow-up, Senator?

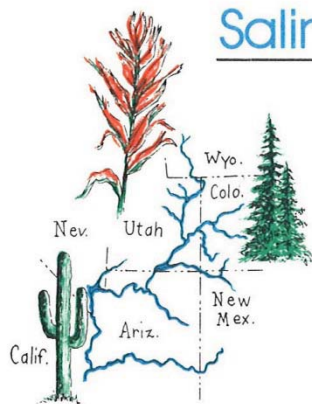
Chair – Yes.

White - Senator Harkin mentioned about the strategy, and part of the 2008 was the reauthorization, the Resource Conservation Act. We had something like 200 surveys come back asking people what they thought the biggest issue is. The number one issue, Senator, was water, water quality and water quantity, and that's going to be a big part of the strategy that comes out of USDA.

Bennet - Well, I'm very glad to hear you say that because that is our number one issue in Colorado. Thank you.

Colorado River Basin

Salinity Control Forum



March 2, 2012

Sean Babington
Legislative Aid for Energy & Natural Resources
Office of Senator Michael Bennet
458 Russell Senate Office Building
Washington, D.C. 20510

GOVERNORS

Janice K. Brewer, AZ
Jerry Brown, CA
John Hickenlooper, CO
Brian Sandoval, NV
Susana Martinez, NM
Gary R. Herbert, UT
Matthew H. Mead, WY

Re: Continuation of the Colorado River Basin Salinity Control Program
Authority and Funding Under the 2012 Farm Bill

Dear Mr. Babington:

FORUM MEMBERS

Arizona

Perri Benemelis
Larry R. Dozier
Linda Taunt

California

Pete Silva
Gerald R. Zimmerman

Colorado

Jennifer L. Gimbel
Steven H. Gunderson
David W. Robbins

Nevada

Leo M. Drozdoff
John J. Entsminger
McClain Peterson

New Mexico

John R. D'Antonio

Utah

Randy Crozier
Dennis J. Strong
John Whitehead

Wyoming

Dan S. Budd
Patrick T. Tyrrell
John F. Wagner

We greatly appreciate Senator Bennet's and your interest in and willingness to assure the continuation and viability of the Colorado River Basin Salinity Control Program (Salinity Control Program) through potential changes with the 2012 Farm Bill. As requested, below is a brief summary of the history and needs of the Salinity Control Program as we move toward a new farm bill.

The Salinity Control Program, which is unanimously supported by the seven Colorado River Basin states, has been successful in controlling the water quality of the Colorado River while the Upper Basin States of Colorado, New Mexico, Utah and Wyoming have continued to develop their Compact-apportioned water. The Salinity Control Program was created by Congress in 1974 (PL 93-320). It was amended in 1984 (PL 98-369) to add a specific USDA Colorado River Salinity Control Program. The 1996 Farm Bill (104-127) combined this and several other programs into EQIP, from which the Salinity Control Program has been funded for the past 16 years. The 1996 Farm Bill also amended the Salinity Control Act such that the Act specifically references implementation of the program by USDA under EQIP and also allows for cost share in the Salinity Control Program through the Basin States Program.

Every three years, the seven Colorado River Basin States jointly adopt a salinity standard, which is then adopted by each of the seven states individually and submitted to and approved by EPA. Continuation of an on-farm Salinity Control Program is required to meet the salinity standard as the Upper Basin States continue to develop their Compact-apportioned water supply. Water from the Colorado River is supplied to approximately

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Sean Babington

March 2, 2012

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35 million people and used to irrigate approximately 4 million acres in the United States. Modeling by the U.S. Bureau of Reclamation indicates that cessation of the Salinity Control Program would lead to a rise in the total dissolved solids in the river by about 100 mg/L by the year 2030. Under the 2012 Farm Bill, there is a need to

- continue the authority for the USDA's portion of the Colorado River Basin Salinity Control Program,
- maintain the connection between authorized USDA program(s) and the Colorado River Basin Salinity Control Act,
- provide for or prioritize sufficient funding to keep this successful program moving forward, and lastly
- continue the authority under the Salinity Control Act for cost share dollars to be provided through the Basin States Program.

Again, we greatly appreciate your assistance in shepherding the Salinity Control Program through potential changes with the 2012 Farm Bill. In 2011 through this program, Colorado farmers received approximately \$7.9 million in technical and financial assistance which generated another approximately \$3.4 million in cost share. I would be happy to provide you additional information on this successful and popular program and stand ready to assist with any issues which might arise during the 2012 Farm Bill process.

Sincerely,

A handwritten signature in blue ink, appearing to read 'D. Barnett', with a stylized flourish at the end.

Don A. Barnett, P.E., P.G.
Executive Director

cc: Dennis Strong, Chairman
Perri Benemelis, Vice Chairman
Patrick Tyrrell, Management Committee
Jennifer Gimbel, Colorado Forum Member
Steve Gunderson, Colorado Forum Member
David Robbins, Colorado Forum Member

Congress of the United States
Washington, DC 20515

March 5, 2012

The Honorable Debbie Stabenow
 Chairwoman
 Senate Committee on Agriculture,
 Nutrition and Forestry
 328A Russell Senate Office Building
 Washington, DC 20510

The Honorable Pat Roberts
 Ranking Member
 Senate Committee on Agriculture,
 Nutrition and Forestry
 109 Hart Senate Office Building
 Washington, DC 20510

The Honorable Frank Lucas
 Chairman
 House Committee on Agriculture
 2311 Rayburn House Office Building
 Washington, DC 20515

The Honorable Collin Peterson
 Ranking Member
 House Committee on Agriculture
 2211 Rayburn House Office Building
 Washington, DC 20515

Dear Chairwoman Stabenow, Ranking Member Roberts, Chairman Lucas, and Ranking Member Peterson:

We write you today in strong support of advancing a Farm Bill during the 112th Congress. We share the belief of many Coloradans that reauthorizing the programs that govern America's food and rural policy will help to provide producers, small business entrepreneurs, land managers, community food organizations, and others with the certainty they need to make important long-term planning decisions and to carry out the vital work of feeding our nation and beyond.

From breaking down barriers to new markets, to developing renewable energy sources, to harnessing consumer demand for fresh, locally grown foods, rural communities are leading the way in creating exciting new economic opportunities in Colorado. At a time when many sectors are struggling to find success, Colorado's agricultural productivity has markedly increased and exports have reached record-breaking levels. Moving forward with a Farm Bill is one of the most effective ways Congress can support this growth and strengthen rural communities in Colorado and across America.

Over the last several months, hundreds of farmers, ranchers, businesspeople, community leaders, and other interested Coloradans have engaged with us to share their top Farm Bill priorities. They have visited both our Colorado and Washington offices for meetings, and many others have submitted comments to us directly at listening sessions and through online correspondence and Farm Bill surveys.

In accounting for this valuable feedback, we recognize how the Farm Bill represents a significant opportunity for many sectors of the Colorado economy, for the management of our natural resources, and for protecting our nation's food security for the future. Effective investments in agricultural research are critical in expanding agricultural production to feed a growing population. Strong support for important conservation programs will help to protect Colorado's valuable land, water, and wildlife resources, and it will help to secure our \$20 billion state agriculture industry for future generations of farmers and ranchers. With respect to production, we support a strong crop insurance program as a safety net that provides Colorado producers with the certainty they need to mitigate adverse weather events and make important financial and planning decisions.

We also understand that maintaining strong local economies requires that we continue to put the right tools in the hands of regional planners, energy entrepreneurs, community organizations, and others who are creating new businesses opportunities and promoting quality of life in our state. Colorado's renewable energy industry supports thousands of livelihoods statewide, and maintaining growth in this

important industry will help to build more economic opportunity and to move our state closer to energy independence. In addition, we see the Farm Bill as an opportunity to streamline rural development programs and to replicate the most successful and high-priority initiatives, such as expanding access to rural broadband. Also, at a time when growth is frustratingly slow, providing responsible nutritional support to our most vulnerable populations helps to ensure that Colorado families are positioned to take full advantage of education and employment opportunities. Finally, we must seize this occasion to responsibly pass a Farm Bill that will not only support the many important programs that affect Colorado but also addresses our national deficit in a meaningful way.

As you know, the 2008 Farm Bill expires on September 30, 2012. While some are skeptical that a Farm Bill is possible this year, the Senate and House committees on agriculture made significant progress last fall toward reaching a bipartisan consensus for balancing the critical task of addressing the national debt and budget deficit while also maintaining strong support for one of America's foremost economic engines. We support your efforts to build on the work of both committees and to quickly move forward with a Farm Bill that strengthens rural enterprise in Colorado and nationwide as well as makes a concerted effort to find significant savings of taxpayer dollars. By delaying action on this important legislation until the final hour, Congress risks harming the competitiveness of American agriculture and leaving communities without the resources and tools they need to thrive.

As leaders of the Senate and House committees on agriculture debate a path forward for the Farm Bill, we stand ready to work with you on Colorado's priorities and other issues important to rural America.

Sincerely,



Michael F. Bennet
U.S. Senator



Mark Udall
U.S. Senator



Scott Tipton
U.S. Representative



Cory Gardner
U.S. Representative



Mike Coffman
U.S. Representative



Ed Perlmutter
U.S. Representative



**Colorado River Basin State Representatives of Arizona, California,
Colorado, Nevada, New Mexico, Utah, and Wyoming**

January 31, 2012

Via E-Mail and U.S. Mail

Glen Canyon Dam LTEMP EIS Scoping
Argonne National Laboratory
9700 S. Cass Ave. – EVS/240
Argonne IL 60439
<http://ltempeis.anl.gov>.

Re: Scoping Comments on the Adoption of a Long-Term Experimental and Management Plan for the Operation of Glen Canyon Dam.

Dear LTEMP Scoping Team,

The Department of the Interior (“Department”), through the Bureau of Reclamation (“Reclamation”) and the National Park Service (“Park Service”), has announced plans to prepare an Environmental Impact Statement (“EIS”) and adopt a Long-Term Experimental Management Plan for Operation of Glen Canyon Dam (“LTEMP”). See 76 Fed. Reg. 39435 (July 6, 2011) and 76 Fed. Reg. 64104 (Oct. 17, 2011). The Department conducted a number of informational meetings to initiate the process and provided opportunity for the public to comment on environmental and operational issues and concerns that should be considered when developing the EIS and implementing the LTEMP. The comment period ends January 31, 2012. The following comments are submitted on behalf of the seven Colorado River Basin states and the Upper Colorado River Commission (collectively referred to herein as the “Basin States”) as part of this LTEMP scoping process.

Basin States’ Interests

The Basin States have an undeniable interest in the wise administration of the Colorado River system reservoirs, including Glen Canyon Dam. The Basin States hold federally recognized entitlements to the Colorado River resource that serves as the primary water supply source for over 30 million people in the United States and provides for irrigation on nearly 4 million acres. The Colorado River system also produces more than 4,200 megawatts of hydroelectric energy and provides a source of environmental protection and enhancement from the headwaters of the Colorado Rockies to Mexico. Access to these and other resources make the Colorado River system the lifeline of the southwest.

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Over the past 80+ years, the Basin States have been closely involved in negotiation of interstate compacts, litigation over the management and allocation of Colorado River water, and development of federal laws and regulations concerning the Colorado River system. The Upper Basin States have also established an interstate commission through federal compact to address management and allocation of Colorado River water in the Upper Basin. The Basin States have also implemented salinity control measures in the Colorado River Basin ("Basin"), and developed and carried out environmental programs to improve natural resources and recover endangered fish species in the Basin, including the Grand Canyon. Simply put, there is no aspect of Colorado River water management, allocation or operation in the Basin that does not affect the broad public interests represented by the Basin States.

Comments:

A. **Legal Framework:** The LTEMP should be developed according to the framework adopted by Congress in the Grand Canyon Protection Act (GCPA) for operating Glen Canyon Dam and using the Colorado River. This framework includes specific priorities, constraints and requirements as outlined below for the Secretary of the Interior to navigate in developing and implementing the LTEMP.

1. ***Priorities – Water allocation, appropriation, development and exportation.***

- a. § 1802(b) - Operations to protect, mitigate and improve resources in Grand Canyon National Park and Glen Canyon National Recreation Area downstream of Glen Canyon Dam must remain consistent with and subject to the existing laws governing allocation, appropriation, development and exportation of the Colorado River resource. See *§1802(b), Grand Canyon Protection Act (1992)*.
- b. Senate Energy Committee Report - The Senate Energy Committee's Report on the GCPA makes clear that "the intent of §1802(b) is not merely to provide a savings clause but to establish that the Secretary's responsibilities for water storage, allocation and delivery under the Law of the River are primary and control the Secretary's actions under [the GCPA.]" *S. Rep. No. 102-267 at p. 135 (1992)*.
- c. § 1806(1) – Nothing in the LTEMP shall affect in any way the allocations of water secured to the Colorado River Basin States by any compact, law or decree. See *§1806, GCPA*.

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2. **Constraints** – The priority given to water storage, allocation and delivery under the GCPA substantially limits the Secretary’s ability to change other elements of Glen Canyon Dam operations as part of the LTEMP. *S. Rep. No. 102-267 at p. 136.*
 - a. 2007 Interim Guidelines – The *2007 Colorado River Interim Guidelines for Lower Basin Shortages and Coordinated Operation of Lake Powell and Lake Mead* (Interim Guidelines) implement the Criteria for Coordinated Long-Range Operation of Colorado River Reservoirs (LROC) to address water storage, allocation and distribution at varying reservoir elevations between now and 2026. The guidelines link release determinations at Glen Canyon Dam to specific trigger elevations at both Lake Powell and Lake Mead to better balance the system under varying water supplies. Depending on the reservoir levels in both, the Interim Guidelines provide a range of possible release volumes from Glen Canyon Dam in any given water year. Because these guidelines directly implicate water storage, allocation and delivery of the Colorado River resource in a manner intended to comply with and implement the Law of the River, the LTEMP must be “consistent with and subject to” the Guidelines.
 - b. Annual/Monthly Releases – The LTEMP must recognize the significant constraints placed on annual and monthly releases from Glen Canyon Dam as a result of water supply considerations, water delivery requirements, and the avoidance of anticipated spills. (“Spills” in this context are recognized as “releases in excess of powerplant capacity, which . . . are referred to as ‘flood releases’”). *S. Rep. No. 102-267 at p. 133.*

Pursuant to the LROC, as implemented by the Interim Guidelines, annual release volumes from Lake Powell are projected for the next Water Year based on the results of the August 24-Month Study. This projected annual release volume is then updated each month of the Water Year to incorporate actual hydrologic conditions as evaluated in the monthly 24-Month Study model runs. Through these updates, the annual release volume for Glen Canyon Dam moves from projected to actual as contemplated under the Interim Guidelines.

The annual release volume as projected (in accordance with the Interim Guidelines and based on the August 24-Month Study) serves as a basis for projecting the monthly release volumes from Glen Canyon Dam for the upcoming Water Year. These monthly

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release projections must likewise be updated as necessary throughout the Water Year to track with the updates for annual release volumes from Glen Canyon Dam. The flexibility to modify monthly release volumes based on actual hydrology is essential to assuring that Reclamation can achieve the required annual release volume from Glen Canyon Dam consistent with the Interim Guidelines.

- c. Balancing - The Secretary must also balance competing interests on the River when developing the LTEMP pursuant to the GCPA.
 - The Senate Committee Report on the GCPA explains that in fulfilling the basic requirements of the [GCPA], the Secretary is faced with the fundamental challenge of identifying and implementing a set of remedial measures that recreate and preserve the natural processes and value of the Colorado River below Glen Canyon Dam, while operating within the constraints of the most intensely regulated river in the world. *S. Rep. No. 102-267 at p. 135.*
 - The U.S. District Court for the District of Arizona further clarified that the broadly worded provisions of the Colorado River Storage Project Act (CRSPA) and GCPA impose on the Secretary an obligation to balance many different interests in operating Glen Canyon Dam. *Grand Canyon Trust v. Bureau of Reclamation*, 623 F.Supp.2d 1015, 1036 (D. Ariz., 2009).
 - The Federal Government's brief in the Grand Canyon Trust litigation acknowledges and recognizes the Secretary's obligation to fulfill multiple and sometimes competing statutory requirements applicable to the operation of Glen Canyon Dam. See, Federal Defendants' Memorandum In Opposition to Plaintiff's Motion for Summary Judgment on Claims 6-8 at p. 38 (Dec. 19, 2008). It further clarifies that the Secretary must continue to recognize that power production is still a primary purpose of the Dam that must be balanced against other purposes, statutory requirements, and water delivery obligations as he considers actions to implement the GCPA. *Id.* at 38.
3. **Requirements** – Consistent with the GCPA and the Senate Committee Report, the LTEMP should also consider and include the following requirements:
 - a. Exercise other authorities – In addition to dam operations, efforts to protect, improve and/or mitigate resource values in the Grand

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Canyon National Park and Glen Canyon National Recreation Area should “exercise other authorities under existing law.” See §1802(a), GCPA. According to the Senate Committee Report, this phrase means the Secretary should consider and may implement non-operational measures to address downstream effects of Glen Canyon Dam. *S. Rep. No. 102-267 at pp. 135*. Specifically, the Committee intended that the Secretary consider all alternatives to improve park values and not focus exclusively on dam operations. *Id. at 137*.

- b. EIS and Monitoring – The LTEMP EIS should consider and incorporate the following key elements regarding preparation of the EIS and the long-term operation of Glen Canyon Dam to remain consistent with the statutory requirements of the GCPA. See §§1802, 1804, 1805, GCPA.

- * *Audit* - Auditing of the costs and benefits to water and power users and to natural, recreational and cultural resources resulting from management policies and dam operations. §1804(b), GCPA.

- * *Criteria* – Adopting criteria and plans based on the findings conclusions and recommendations in the EIS and the Audit. § 1804(c)(1)(A), GCPA.

- * *Reporting* - Reporting on LTEMP activities in a manner that does not interfere with the Secretary’s preparation of the Annual Operating Plan as prescribed under the Colorado River Basin Project Act of 1968. §1804(c)(2), GCPA. Any reporting on the LTEMP pursuant to the GCPA should be separate from and subject to the 1968 Act Annual Operating Plan report. §1804(c)(2), GCPA; *S. Rep. No. 102-267 at p. 137*.

- * *Costs* – Reallocating the costs of construction, operation, maintenance, replacement and emergency expenditures for Glen Canyon Dam among the purposes for protecting, mitigating and improving the values downstream of Glen Canyon Dam and the purposes for which Glen Canyon Dam was authorized under the CRSPA. §1802(e), GCPA. Any operational changes that reduce the generation of peaking power in favor of baseload operations will greatly reduce power generation benefits. As benefits of operations shift, the costs allocable to the beneficiaries should shift as well. *S. Rep. No. 102-267 at p. 138*.

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* *Monitoring* - Establishing and implementing long-term monitoring programs and activities, including any necessary research and studies to determine the effect of actions on the natural, recreational and cultural resources and ensure the dam is operated in a manner consistent with §1802. §1805(a) and (b), GCPA.

* *Consultation* – Consulting with the Basin States and others in preparing criteria and operating plans as well as monitoring programs and activities for the LTEMP. §1804(c)(3) and §1805(c), GCPA.

B. **Geographic Scope of Proposed Actions:** As currently described, the project area for the LTEMP EIS includes the Glen Canyon National Recreation Area, Grand Canyon National Park, Lake Mead National Recreation Area, and resources of importance to American Indian Tribes. However, the stated purpose of the LTEMP does not mention Lake Mead or the Lake Mead National Recreation Area. See Fed. Reg. 76 Fed. Reg. 64104 (explaining that the purpose is to “inform Departmental decisions and operate Glen Canyon Dam in such a manner as to improve and protect downstream resources in Glen Canyon National Recreation Area and Grand Canyon National Park.”) Furthermore, the GCPA makes no mention of Lake Mead or the Lake Mead National Recreation Area, and the current EIS for Glen Canyon Dam operations focuses on “the Colorado River corridor from Lake Powell, formed by Glen Canyon Dam in northwestern Arizona, southward through Glen and Marble Canyons and westward through Grand Canyon to Lake Mead.” Operation of Glen Canyon Dam EIS at pp. 5-6. Recognizing the LTEMP EIS must evaluate and disclose all significant impacts of the alternatives wherever they may occur, the geographic scope of proposed actions considered in the LTEMP EIS should be limited to Glen Canyon Dam through the Grand Canyon National Park to Lake Mead.

C. **Species Conservation and Recovery Implementation Programs:** The LTEMP EIS process is also intended to determine whether to establish an ESA recovery implementation program for endangered fish below Glen Canyon Dam. This process should be coordinated with (and not allowed to disturb) the existing programs currently operating in the Colorado River Basin – i.e., the Upper Colorado River Endangered Fish Recovery Program; San Juan River Basin Recovery Implementation Program; and the Lower Colorado River Multi-Species Conservation Program, which have been and remain critical to the sustainable development of the river system. Additionally, to the extent the LTEMP EIS considers funding for any recovery implementation program downstream of Glen Canyon Dam, it should be done consistent with the costs framework highlighted in Section A(3)(b), *supra*.

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D. Distinguishing Between Experimental and Management Actions:

Drawing from experience gained in developing the Beach Habitat Building Flow management action as part of the 1996 Record of Decision for Glen Canyon Dam Operations and subsequent High-Flow Experimental actions, the LTEMP EIS should clearly distinguish between proposed experimental and management actions to operate Glen Canyon Dam. In doing so, stakeholders will be better situated to determine whether and to what extent they can accept a proposed action as necessary to gain experience and knowledge in reservoir operations and environmental resources without waiving rights established under the Law of the River. Management actions involve additional requirements under the Law of the River compared to experimental actions. It remains the Basin States' position that high flow releases can only be legally done by experiment and cannot be considered as a long term operational management decision.

- E. **Alternatives:** Generally, the LTEMP EIS should include only those alternatives that can and will remain consistent with and subject to the priorities, constraints, and requirements recognized in the GCPA. See *Section A, supra*. However, with the understanding that the *modified low fluctuating flow* (MLFF) will serve as the "No Action" alternative, the LTEMP EIS should include a post-dam, pre-1996 ROD alternative that can isolate and demonstrate the benefits and impacts of MLFF operations. Finally, the Basin States would like to participate in developing the LTEMP alternatives and anticipate proposing an alternative for consideration.

- F. **Process Comments:** The following process comments are specific to standards and processes for developing the LTEMP EIS.

1. **Timeline and Timing -** The LTEMP involves adjusting dam operations that impact a large number of interests and resources. The process for developing management and experimental programs under the LTEMP EIS should be thoughtfully considered and sufficiently flexible to avoid being rushed to completion.

Given the scope, duration and importance of the LTEMP EIS, documents relevant to its development and implementation should allow sufficient time for stakeholder review and comment. The proposed schedule is very aggressive and may not allow a full and robust consideration of all reasonable alternatives and their implications. See *Public Involvement Section, infra*.

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2. Public Involvement – Given the potential impact of LTEMP operations throughout the Basin, its development should involve collaboration in addition to consultation with the following stakeholders:
 - i. Basin States. As parties to and beneficiaries of the interstate compacts, laws and a Supreme Court decree that allocate the Colorado River resource, the Basin States have a sovereign interest in the flow of the Colorado River that rises above a mere question of local private rights. Deciding how to develop and implement the LTEMP will directly implicate these interests. Over the past 20 years, the Basin States have fostered a working relationship with the Department to develop innovative and flexible agreements and programs that provide important tools for adapting to challenges and avoid interstate disputes both now and in the future. The Secretary should continue to consult and collaborate with the Basin States on the LTEMP EIS in furtherance of this relationship and mutual goals.
 - ii. GCDAMP Representatives. The Adaptive Management Workgroup (AMWG), Technical Workgroup, Science Advisors, and the Grand Canyon Monitoring and Research Center have developed a knowledge base and expertise in the Colorado River's scientific and policy issues that goes above and beyond an individual stakeholder interest in the River. Their valuable perspectives are, in part, why the Secretary established the AMWG as a Federal Advisory Committee to provide advice and recommendations on Colorado River and Glen Canyon Dam operations. As such, it will be important to directly consult and collaborate with and learn from these representatives in developing the LTEMP EIS.
3. Role of Federal Agencies - There are a number of federal agencies with authorities and obligations concerning the Colorado River– i.e., Fish and Wildlife Service, Bureau of Indian Affairs, Western Area Power Administration, and Bureau of Land Management, in addition to Reclamation and the Park Service. The LTEMP EIS should clarify the role and involvement of each agency in preparing, commenting on and finalizing the LTEMP EIS as well as the decision-making and implementation processes.
4. Role of Desired Future Conditions - The Department of the Interior, in conjunction with AMWG, is currently developing Desired Future Conditions (DFCs) for key resource elements at and below Glen Canyon Dam. Because these DFCs involve variable resources with differing goals, they also identify potentially competing interests for operating Glen Canyon Dam. Satisfying goals for one resource DFC may ultimately be at

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the expense of another. If the DFCs are used to inform the LTEMP process, it will be important to recognize the need to balance the competing DFC goals and interests consistent with the purpose and intent of the GCPA. See Section A(2)(c), *supra*.

5. Role of Science - The Basin States advocate for the LTEMP EIS to be developed and implemented based on credible and objective science concerning the Colorado River Basin.

Conclusion

The Basin States thank you for the opportunity to provide these comments on the scope of the LTEMP EIS. We have a particular interest in avoiding potential impacts from the LTEMP while ensuring its success. In this effort, we ask that the Department please consider and incorporate the above comments in determining the final scope for the LTEMP process. We further ask that the Department allow the Basin States to propose an alternative for consideration and evaluation under the LTEMP EIS. Should there be any questions or concerns regarding this letter or any other aspect of the Basin States' interest regarding the LTEMP process, please contact us at your earliest convenience.

Sincerely,

[Signatures on next page]

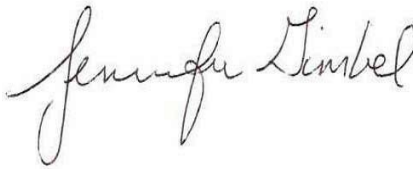
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Colorado River Board of California



Jennifer Gimbel
Director
Colorado Water Conservation Board



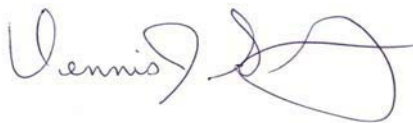
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