



Colorado's Water Supply Future



Water Supply Reserve Account Annual Report

October 31, 2013

Helping Meet Colorado's Consumptive and Non-Consumptive Water Needs



[CWCB Responds to 2013 Front Range Flooding with Emergency Grant Program](#)

**To the House of Representatives Committee on
Agriculture, Livestock, and Natural Resources and the
Senate Committee on Agriculture, Natural Resources, and Energy**



Background

The Water Supply Reserve Account (Account) was created in 2006 by Senate Bill 06-179. The legislature created the Account to help citizens identify and meet their critical water supply and management needs. The Account may be used to:

- Identify human, environmental, or recreational water needs (also commonly referred to as "Needs Assessments")
- Evaluate water supplies in each basin
- Build projects or identify methods to meet the water supply needs of the river basin

The authorizing legislation provides funds for a broad range of eligible activities including: construction of infrastructure (storage, pipelines, river improvements, etc.), feasibility studies, studies of human and environmental needs, and technical assistance for permitting or environmental compliance.

Overview

The Account is administered by the Colorado Water Conservation Board (CWCB) in collaboration with the Interbasin Compact Commission (IBCC) and the 9 Basin Roundtables established under House Bill 05-1177 (Colorado Water for the 21st Century Act). Requests for funding begin at the Basin Roundtables. Applications approved by the local Roundtable are submitted to the CWCB. To date, all funding has been for grants, though most project sponsors provide matching funds and/or leverage other monies.

Monies from the Account are distributed according to the Criteria and Guidelines, which were jointly developed by the CWCB and IBCC in collaboration with the Basin Roundtables. The Criteria and Guidelines are reviewed annually in October to consider changes to the Account's operation. The Criteria and Guidelines, application, and other materials are available on the CWCB website.

Accomplishments

Water Supply Reserve Account projects have been approved across the entire state (see map on page 4). The WSRA Criteria and Guidelines split the Account into Basin and Statewide Funds. Each Basin Account has received \$2,154,244 to date.

Figure 1 shows the amount approved from each Basin Account (totaling \$14,911,515).

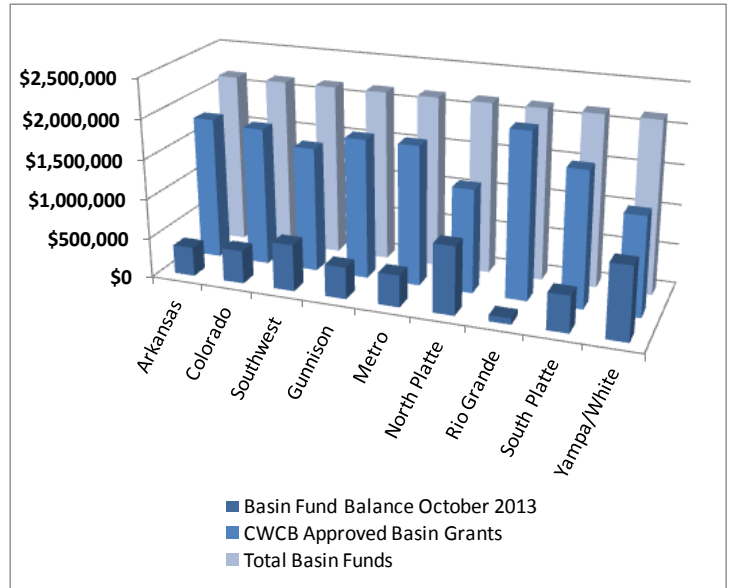


Figure 1. Basin Fund Distribution Approved per Basin

To date, the Statewide Account has received \$36,111,649, with \$34,975,133 in approved grants. The distribution of WSRA funds from the Statewide Account per basin is shown in Figure 2.

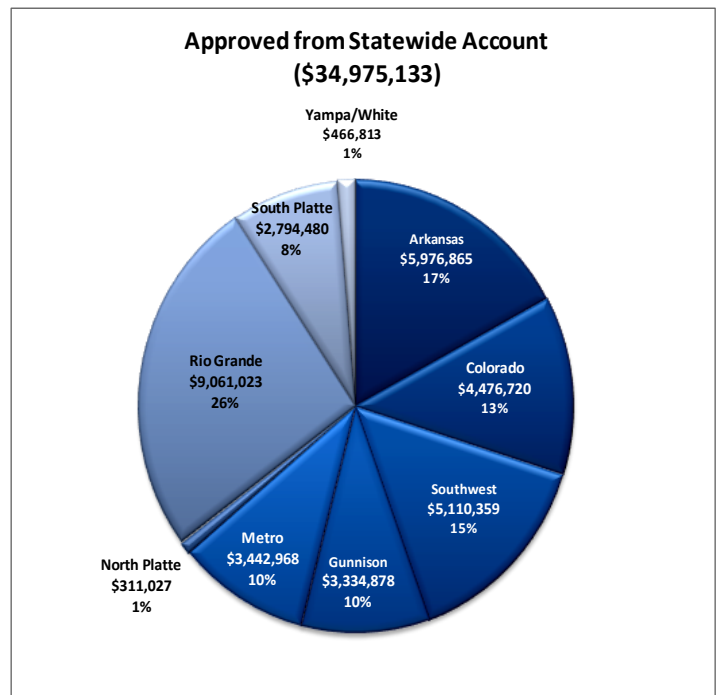


Figure 2. Statewide Fund Distribution Approved per Basin

Program Highlights

- ◆ Almost \$50,000,000 Granted for approximately 280 Projects Across Colorado
- ◆ Over \$100,000,000 Leveraged with Matching contributions (cash and in-kind) from Numerous Other CWCB, Other State, Federal, and Local Sources
- ◆ Projects Recommended by Basin Roundtables on a Consensus Basis with Final Approval by the CWCB



Projects funded from the Account have addressed both consumptive (agricultural and municipal) and nonconsumptive (environmental and recreational) needs with most of the projects addressing multiple needs. Figure 3 shows the distribution of WSRA funding by primary category.

Funds from the Account provide the means to conduct both studies of water needs and actual project implementation. Figure 4 shows how the Account has supported both aspects of water projects by amount of funding as well as number of projects funded. Though the Account has funded a large amount of studies it is clear that much more focus and funding has gone towards the implementation of projects to meet critical water supply needs.

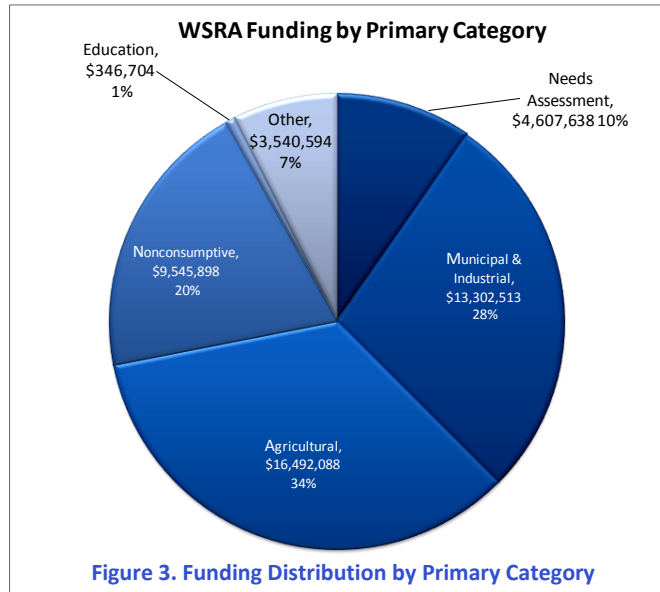


Figure 3. Funding Distribution by Primary Category

CWCB Responds to 2013 Flooding with \$1.8 Million in WSRA Emergency Flood Recovery Grants

The CWCB, approved \$1.8 million (\$1,500,000 Statewide Account, \$150,000 South Platte Basin Account, and \$150,000 Metro Account) to assist Coloradoans in their recovery efforts resulting from the September 2013 flooding. This funding will be administered and distributed by the Northern Colorado Water Conservancy District (Northern Water) in cooperation with CWCB staff. Northern Water has stepped forward as a community leader and has offered their services without charge to reach out to the community to administer and distribute WSRA Funds.

Grant funds are to be used by water users and water providers as “seed money” to perform damage assessments, facilitate loan and additional grant applications which may be required to fund the full cost of needed repairs, master planning, engineering and permitting for projects, as well as to accomplish initial needed repairs and construction that will assist beneficiaries in getting back online temporarily or permanently. Because beneficiaries do not have adequate financial and technical resources to initiate the rehabilitation process and federal funds may not be at adequate funding levels or dispersed in a timely manner to support needed repair of the water infrastructure, flood victims have a need to act expeditiously in light of the pending winter storage season and the 2014 irrigation season. Therefore, it is critical to provide initial emergency grants as soon as possible. During the first week of accepting applications Northern Water received 28 applications totaling over \$600,000 in requests.

Observations

The Water Supply Reserve Account Program has been a tremendous success. The Account has funded a mix of consumptive and nonconsumptive water projects and promoted multi-purpose projects throughout the State. The Account has funded projects that help Colorado meet its water supply needs with funding that was not available until the passage of the legislation. A sampling of concrete results from the program can be seen in the adjacent Table 1 on Page 4.

The annual review of the Criteria and Guidelines allows for program adjustments. Adjustments to the Criteria and Guidelines have enabled the WSRA to adapt to the changing needs of Colorado’s water

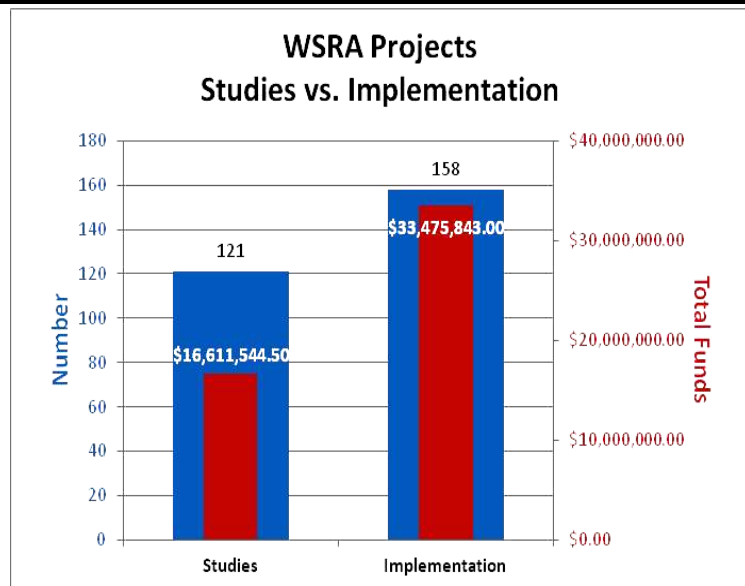


Figure 4. Funding and Project Distribution by Type



community and meet the diverse needs of projects throughout the state.

Funding Summary

Table 2 on Page 3 displays the legislative appropriations and actual funds received by the Water Supply Reserve Account Program since its inception in 2006. As a Severance Tax “Tier II” program appropriated funds are distributed on a 3-part schedule as available with 40% on July 1, 30% on January 1, and the final 30% on April 1 of the fiscal year. All funds are subject to availability of revenues from current severance tax collection. In Fiscal Year 2008/2009 the final 30% installment was not received due to the state’s budgetary shortfall. Table 2 also shows the breakdown of funds between the Basin and Statewide Accounts as directed by the Criteria and Guidelines. The Basin Account funds are then distributed evenly among the 9 basin roundtables.

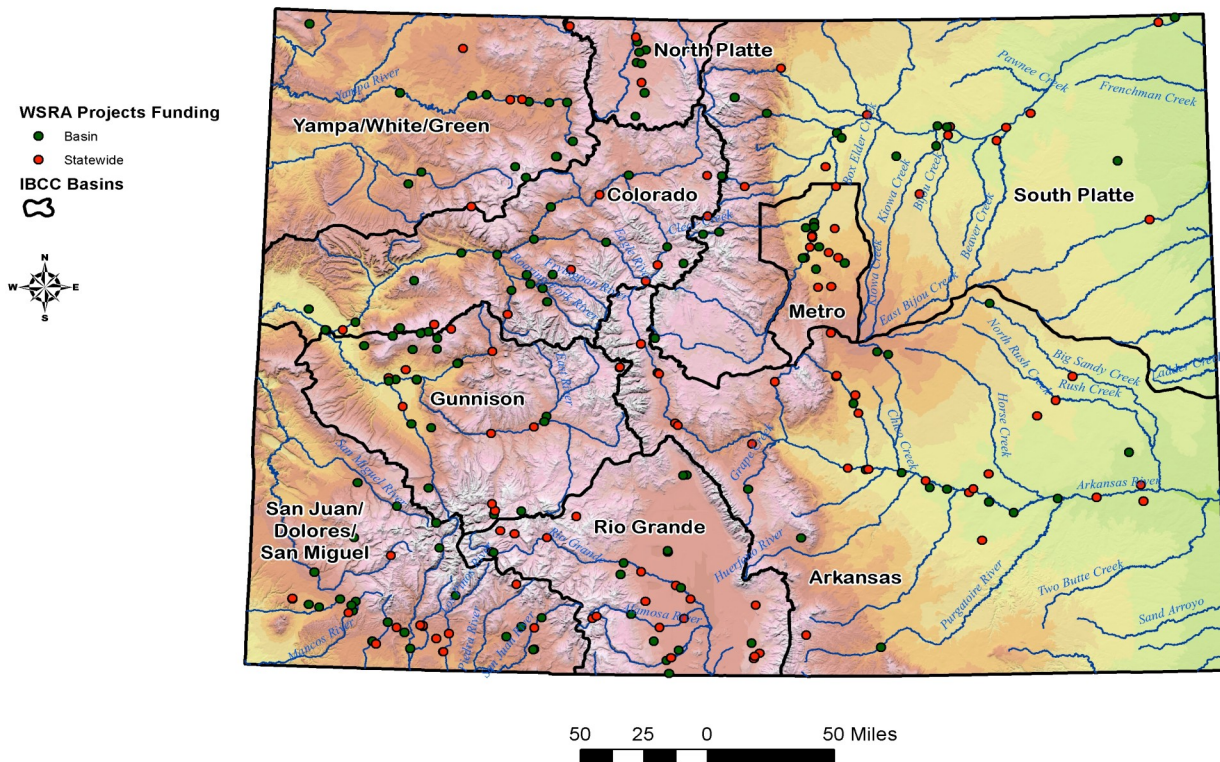
Figure 5 on Page 5 summarizes the status of all approved WSRA projects. Per the WSRA Criteria and Guidelines applications for the Basin Account are considered at each of the CWCB’s bi-monthly

By the Numbers: A Sampling of data from the WSRA Program	
New Storage Created (acre-feet)	875
New Annual Water Supplies (acre-feet)	9,183
Existing Storage Preserved or Enhanced (acre-feet)	134,755
Length of Stream Restored or Protected (linear Feet)	462,369
Length of Pipe/Canal Built or Improved (linear feet)	538,568
Area of Restored or Preserved Habitat (acres)	58,332
Efficiency Savings (dollars/year)	25,000
Efficiency Savings (acre-feet/year)	65,779
Reports/Studies (engineering, feasibility, watershed, etc.)	121

Table 1. Summary of Selected WSRA Results

board meetings once they have received approval from the appropriate basin roundtable as documented in a letter from the roundtable’s chair. Applications to the Statewide Account are considered twice a year, at the September and March CWCB board meetings.

Geographic Distribution of WSRA Projects





Recent Legislation and the Future of the WSRA

In 2009, the Water Supply Reserve Account Program was reauthorized in perpetuity by SB 09-106. SB 09-106 appropriates \$10,000,000 per year from the Severance Tax Trust Fund, subject to available funding. Due to budget shortfalls the WSRA has received the following funding the past 4 years: FY2008 \$6,000,000; FY2009 \$7,000,000; FY2010 \$5,775,000; FY2011 \$6,000,000; FY2012 \$7,000,000, FY2013 \$7,157,724. It is authorized to receive \$10,000,000 in FY2014, but will likely receive less due to a decrease in severance tax revenues.

Summary of WSRA Project Status

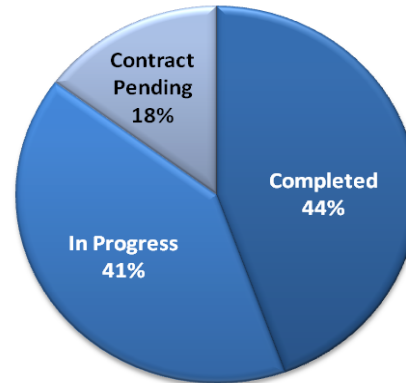


Figure 5. Summary of WSRA Project Status

Colorado's Water Plan & Basin Implementation Plans

On Wednesday May 15, 2013 Governor John Hickenlooper issued an Executive Order that directs the Colorado Water Conservation Board (CWCB) to begin work on drafting Colorado's Water Plan. The Executive Order also directs the CWCB to utilize the work of the state's grassroots water process, the Basin Roundtables and Interbasin Compact Committee (IBCC), in developing a draft and final report, which should be completed by December 2015. Colorado's Water Plan will leverage and integrate nine years of work accomplished by Colorado's Basin Roundtables, the IBCC) and the CWCB to determine how to implement water supply planning solutions that meet Colorado's future water needs while supporting healthy watersheds and environment, robust recreation and tourism economies, vibrant and sustainable cities, and viable and productive agriculture.

The Basin Roundtables will play a critical role in the development of Colorado's Water Plan. Each Basin Roundtable has been tasked with developing its own Basin Implementation Plan. These are plans that will offer solutions for how each basin's future water needs will be addressed at the local level. These Basin Implementation Plans will then be incorporated into Colorado's Water Plan so that we can understand at both the basin and statewide level how Colorado's water needs will be addressed. The CWCB during its September 24-25, 2013 meeting in Telluride, Colorado approved approximately \$1.5 million (\$1,000,000 Basin Account Funds, and \$500,000 Statewide Account Funds) from the WSRA Grant Program for the creation of 7 Basin Implementation Plans in 7 Basins.

WSRA Fund Appropriation and Receipts

October 2013

Fiscal Year	Legislative Appropriation	Funds Received	Statewide Account	Basin Account
2006/2007	\$10,000,000	\$10,000,000	\$5,500,000	\$4,500,000
2007/2008	\$6,000,000	\$6,000,000	\$4,200,000	\$1,800,000
2008/2009	\$10,000,000	\$7,000,000	\$4,300,000	\$2,700,000
2009/2010	\$5,775,000	\$5,775,000	\$4,215,750	\$1,559,250
2010/2011	\$6,000,000	\$6,000,000	\$4,380,000	\$1,620,000
2011/2012	\$7,000,000	\$7,000,000	\$4,732,000	\$2,268,000
2012/2013	\$10,000,000	\$7,157,724	\$4,580,943	\$2,576,781
2013/2014	\$10,000,000	\$4,000,000	\$2,560,000	\$1,440,000
Interest	N/A	\$2,567,118	\$1,642,956	\$924,162
TOTAL	\$44,775,000	\$55,499,842	\$36,111,649	\$19,388,193

Note: WSRA is a Severance Tax "Tier II" program with 40% of funds distributed on July 1, 30% on January 1, and the final 30% on April 1. In FY 2008/2009 the final 30% installment of \$3,000,000 was not received due to the State's budgetary shortfall. **In January 2012 interest for the program from its inception to date was credited directly to the Statewide Account.** **Interest from January 2012 on is regularly calculated by the Treasury and credited to the Statewide Account.**

Table 2. Summary of WSRA Appropriations and Receipts



Water Supply Reserve Account Applications Approved by the CWCB

Name of Water Activity	Basin Account	Statewide Account	Total
Arkansas Basin Total Request	\$1,727,011.00	\$5,865,993.37	\$7,593,004.37
Arkansas Valley Conduit	\$64,300.00		\$64,300.00
Ground Water Conference	\$24,721.00		\$24,721.00
Upper Black Squirrel Creek Aquifer Recharge Investigation	\$45,200.00		\$45,200.00
Fountain Creek Vision Task Force	\$75,000.00		\$75,000.00
Round Mountain Water & Sanitation District Water System Improvements Project	\$120,000.00		\$120,000.00
Rotational Land Following-Water Leasing Program -Lower Arkansas Super Ditch Company	\$150,000.00		\$150,000.00
Upper Big Sandy Water Balance	\$45,000.00		\$45,000.00
Model Transfers- Agriculture to Urban, Arkansas Basin	\$23,860.00		\$23,860.00
Arkansas Headwaters Diversion Structure Improvement Project Arkansas River Basin		\$57,954.50	\$57,954.50
City of Las Animas Water System Improvements	\$100,000.00	\$200,000.00	\$300,000.00
Colorado State Parks Zebra Mussel Response		\$1,000,000.00	\$1,000,000.00
Telemetry data collection platforms at six reservoirs plus flow control equipment & gauging at six reservoir outlet channels & nine streams w/in the Upper Ark River basin	\$75,000.00	\$210,332.00	\$285,332.00
Demonstration of Membrane Zero Liquid Discharge Process for Drinking Water Systems	\$25,000.00	\$700,000.00	\$725,000.00
Geospatial Decision Support System for Integrated Water Management in the Arkansas River Basin	\$100,000.00	\$500,000.00	\$600,000.00
John Martin Wetlands & Neenoshe Reservoir Nonconsumptive Needs Quantification	\$148,975.00		\$148,975.00
UAWCD Hydrologic Water Balance Study		\$180,000.00	\$180,000.00
Bedload/Sediment Collection and Removal Technology - Fountain Creek	\$75,000.00	\$150,000.00	\$225,000.00
Flaming Gorge Project Task Force Assessment	\$40,000.00		\$40,000.00
Stakeholder's Cooperative Management Analysis for the Upper Arkansas River Basin	\$33,600.00		\$33,600.00
Fountain Creek Fish Marking and Monitoring Study	\$7,000.00	\$28,000.00	\$35,000.00
Trinidad/Purgatoire River Reach 4 Demonstration Project	\$75,000.00		\$75,000.00
The use of excess storage capacity in Blue Mesa Reservoir to avoid or reduce the impact of a Colorado River Compact curtailment in Colorado	\$24,500.00	\$98,000.00	\$122,500.00
Helena Diversion Structure/BV Boat Chute Improvement Project	\$35,000.00	\$290,000.00	\$325,000.00
Raising Awareness in 2012: A Statewide Celebration of Colorado Water		\$30,515.00	\$30,515.00
Super Ditch Delivery Engineering		\$225,837.00	\$225,837.00
A Multi-Media Program for Reporting Crop and Turf Water Use Estimates from the Colorado Agricultural Meteorological Network (CoAgMet)	\$9,394.00	\$37,577.00	\$46,971.00
Rotating Agricultural Following Public Policy Working Group	\$10,000.00		\$10,000.00
Basin Roundtable Project Exploration Committee: Flaming Gorge	\$5,300.00	\$7,142.87	\$12,442.87
Colorado Water 2012	\$6,255.00		\$6,255.00
North Lake Dam Rehabilitation Project	\$12,000.00	\$727,235.00	\$739,235.00
Ag-Municipal Conservation Easement Demonstration	\$54,000.00	\$216,000.00	\$270,000.00
Hale Reservoir Renovation – Final Design & Permitting	\$20,000.00	\$100,000.00	\$120,000.00
Mount Pisgah Dam/Wrights Reservoir Outlet Works Rehabilitation	\$25,000.00	\$136,345.00	\$161,345.00
Build, Assess, and Document Accounting and Administration Tools for Lease Following in the Arkansas River Valley	\$20,000.00	\$39,215.00	\$59,215.00
Arkansas River Basin Study	\$59,600.00	\$238,400.00	\$298,000.00



Water Supply Reserve Account Applications Approved by the CWCB

Name of Water Activity	Basin Account	Statewide Account	Total
Arkansas Basin Continued			
Fountain Creek Bank Restoration at the Frost Ranch	\$30,000.00	\$75,000.00	\$105,000.00
Agricultural Economics and Water Resources: Methods, Metrics and Models - A Speciality Workshop	\$9,746.00		\$9,746.00
Ordway Cattle Feeders Water Line Extension, Phase II	\$50,000.00	\$22,500.00	\$72,500.00
Water Tank Replacement	\$64,300.00		\$64,300.00
Bear Creek Sediment Mitigation Project (Phase I)	\$15,000.00	\$85,000.00	\$100,000.00
Royal Gorge Wildfire Water Quality Impact and Protection Project – Emergency Mitigation, Stabilization, and Reclamation	\$24,260.00	\$460,940.00	\$485,200.00
Pikes Peak Regional Water Supply Infrastructure Study	\$25,000.00	\$50,000.00	\$75,000.00
Colorado Basin Total Request			
	\$1,837,117.00	\$4,326,759.86	\$6,163,876.86
Name of Water Activity			
	Basin Account	Statewide Account	Total
Enlargement of Eagle Park Reservoir	\$100,000.00	\$400,000.00	\$500,000.00
Upper Colorado Endangered Fish Recovery Alternatives Analysis (10,825)		\$200,000.00	\$200,000.00
Roaring Fork Watershed Assessment	\$40,000.00		\$40,000.00
Upper Colorado Endangered Fish Recovery Alternatives Analysis (10,825)		\$200,000.00	\$200,000.00
Vail Ditch Project		\$1,500,000.00	\$1,500,000.00
Bull Creek Reservoir No. 5 Spillway Adequacy Analysis	\$50,000.00		\$50,000.00
Missouri Heights	\$25,000.00		\$25,000.00
Energy Development Water Needs Assessment (300,000 Joint Application see Colorado)		\$150,000.00	\$150,000.00
Old Dillon Reservoir	\$100,000.00		\$100,000.00
Fraser Sedimentation Basin	\$60,000.00	\$127,900.00	\$187,900.00
Grand County Stream Flow Management Plan	\$100,000.00		\$100,000.00
Roaring Fork Watershed Assessment -Phase 2	\$40,000.00		\$40,000.00
Battlement Reservoir #3 Dam reconstruction to enhance recreational & environmental opportunities	\$80,000.00		\$80,000.00
Feasibility and design assessment of off-channel reservoir sites in the Crystal River water shed	\$40,000.00		\$40,000.00
Colorado Basin Nonconsumptive Needs Quantification	\$315,171.00		\$315,171.00
Solicitation of Stakeholders input and advice through a Colorado River Basin edition of Headwaters Magazine Colorado	\$25,000.00		\$25,000.00
Grand River Ditch Pipeline	\$25,000.00		\$25,000.00
L.E.D.E. Ditch and Reservoir Reconstruction	\$50,000.00	\$175,000.00	\$225,000.00
Small Acreage Irrigation Audit Program	\$18,273.00		\$18,273.00
Canal #1 Check Structure Pilot Project at Dalton, Kiefer & Springer Properties	\$25,212.00		\$25,212.00
Basin Roundtable Project Exploration Committee: Flaming Gorge	\$2,000.00	\$7,142.86	\$9,142.86
Colorado Water 2012	\$29,700.00		\$29,700.00
Investigation of Water Savings, Water Quality benefits and Profitability of Sub Surface Drip on Alfalfa in Grand Valley	\$46,894.00		\$46,894.00
Upper Swan River Restoration Project	\$30,000.00		\$30,000.00
Colorado River Inventory & Assessment	\$30,000.00		\$30,000.00
Robinson Ditch Piping Improvements	\$60,000.00		\$60,000.00
Tenmile Creek Restoration Project	\$17,500.00	\$332,500.00	\$350,000.00
Colorado River Restoration and Conservation Projects	\$20,000.00	\$90,000.00	\$110,000.00
Crystal River Watershed – Assessment and Design of Restoration Projects	\$15,854.00	\$288,610.00	\$304,464.00
Grand Valley Riparian Restoration Collaborative (GVRRC) Project	\$42,726.00	\$207,274.00	\$250,000.00



Water Supply Reserve Account Applications Approved by the CWCB

Name of Water Activity	Basin Account	Statewide Account	Total
Colorado Basin Continued			
Gore Canyon Whitewater Park at pumphouse - Colorado River	\$100,000.00	\$400,000.00	\$500,000.00
Grace and Shehi Diversion Rehabilitation Project (Phase I & II – Alternatives Evaluation & Detailed Design)	\$40,500.00		\$40,500.00
Colorado Basin Implementation Plan	\$166,667.00	\$83,333.00	\$250,000.00
Upper Colorado River Irrigation and Restoration Assessment Phase 1.	\$50,000.00		\$50,000.00
Missouri Heights - Mountain Meadow Irrigation Company	\$50,000.00		\$50,000.00
Reservoir 2 Enlargement and Lining Project	\$41,620.00	\$165,000.00	\$206,620.00
Name of Water Activity	Basin Account	Statewide Account	Total
Gunnison Basin Total Request	\$1,669,770.00	\$2,895,390.86	\$4,565,160.86
Safety and Serviceability Needs Inventory for Reservoirs in the Leroux Creek Drainage Basin	\$60,000.00		\$60,000.00
Orchard City Water Reservoir Project (Task 1-3)	\$60,000.00		\$60,000.00
Orchard City Water Reservoir Project (Remaining Tasks)		\$480,000.00	\$480,000.00
Off-System Raw Water Storage Project 7 Water Authority/Uncompahgre Valley Water Users Association	\$56,700.00		\$56,700.00
Paonia-Feldman Diversion Reconstruction; North Fork of the Gunnison River (Part 1 and 2)	\$48,000.00	\$62,700.00	\$110,700.00
Sedimentation Management Study For Paonia Reservoir - North Fork of the Gunnison	\$79,000.00	\$230,000.00	\$309,000.00
Overland Reservoir Dam Expansion/Restoration		\$68,000.00	\$68,000.00
Phase II Engineering for Lake San Cristobal Outlet Modification	\$75,265.00		\$75,265.00
Lake San Cristobal Outlet Structure Modification--Phase III		\$120,960.00	\$120,960.00
Ridgway Ditch and Lake Otonawanda Improvement Project	\$109,500.00		\$109,500.00
Juniata Reservoir Spillway Modification	\$97,000.00		\$97,000.00
Hartland Diversion Dam Fish Passage Feasibility Study	\$22,100.00		\$22,100.00
Development of Augmentation Supplies	\$50,000.00		\$50,000.00
75 Ditch Diversion Improvement and Feature Enhancements	\$46,100.00		\$46,100.00
Lake San Cristobal Outlet Structure	\$150,000.00		\$150,000.00
Hanson Reservoir Outlet Rehabilitation	\$50,000.00		\$50,000.00
The Rehabilitation of Blanche Park Reservoir	\$75,000.00		\$75,000.00
Valley View Irrigation Improvement			\$0.00
Blue Mesa Reservoir	\$24,500.00	\$98,000.00	\$122,500.00
Relief Ditch Diversion Dam Design	\$20,650.00		\$20,650.00
Basin Roundtable Project Exploration Committee: Flaming Gorge	\$2,000.00	\$7,142.86	\$9,142.86
Hartland Diversion Dam — Partial Dam Removal and Stabilization	\$53,100.00		\$53,100.00
Agricultural Weather Data Delivery Improvements to Uncompahgre Valley Irrigators	\$77,000.00	\$35,000.00	\$112,000.00
Lining Outlet for Grand Mesa Reservoir #6	\$19,840.00		\$19,840.00
Gunnison Basin Roundtable Education Program	\$19,750.00		\$19,750.00
Tunnel Reconstruction Project	\$40,000.00	\$690,110.00	\$730,110.00
North Fork of the Gunnison Invasive Weed Removal	\$20,000.00		\$20,000.00
Leon Park Reservoir Dam Outlet Repair	\$31,372.00		\$31,372.00
Town of Ridgway Lake Otonowanda Renovation Project	\$60,000.00	\$540,000.00	\$600,000.00
Lake San Cristobal Inlet Preservation and Fishing Access Project	\$16,700.00	\$150,300.00	\$167,000.00
Henson Creek and Lake Fork Confluence Channel Improvements	\$28,975.00	\$260,111.00	\$289,086.00



Water Supply Reserve Account Applications Approved by the CWCB

Name of Water Activity	Basin Account	Statewide Account	Total
Gunnison Basin Continued			
Curry Easements Woody Invasives Removal Project - West Side of the North Fork of the Gunnison River	\$4,800.00	\$43,200.00	\$48,000.00
Lake San Cristobal Controlled Outlet Structure	\$40,000.00		\$40,000.00
Bonita Reservoir Dam Outlet Pipe Rehabilitation	\$54,285.00		\$54,285.00
Replacement of Measuring Devices on Grand Mesa	\$40,000.00		\$40,000.00
Gunnison Basin Implementation Plan	\$133,333.00	\$66,667.00	\$200,000.00
Somerset Diversion Improvement Study – North Fork of the Gunnison River Corridor Project	\$4,800.00	\$43,200.00	\$48,000.00
Name of Water Activity	Basin Account	Statewide Account	Total
Metro Basin Total Request	\$1,753,729.00	\$2,992,967.83	\$4,746,696.83
Chatfield Reallocation EIS/FR (South Platte BRT contributing \$27,000)	\$103,000.00		\$103,000.00
Zero Liquid Discharge Pilot Study	\$200,000.00	\$200,000.00	\$400,000.00
Parker Water & San. & CO. State Univ Joint Project on the Rural/Urban Farm Model	\$150,000.00		\$150,000.00
Upper Mountain Counties Water Needs Assessment	\$43,587.00		\$43,587.00
Solicitation of Stakeholder Input through a South Platte Edition of Headwaters	\$16,019.00		\$16,019.00
South Metro Water Supply Authority - Regional Aquifer Supply Assessment	\$100,540.00		\$100,540.00
Demonstration of Membrane Zero Liquid Discharge Process for Drinking Water Systems	\$50,000.00	\$233,333.00	\$283,333.00
South Platte River Recreation and Habitat Feasibility Study	\$150,000.00		\$150,000.00
Lost Creek Aquifer Recharge and Storage Study	\$80,000.00		\$80,000.00
Aquifer Recharge Pilot Study		\$550,000.00	\$550,000.00
Feasibility Study for Bureau of Reclamation Funding from the National Rural Water Supply Act	\$100,000.00	\$500,000.00	\$600,000.00
Flaming Gorge Project Task Force Assessment	\$20,000.00		\$20,000.00
Rotary Sprinkler Nozzle Retrofit		\$250,000.00	\$250,000.00
Rural Douglas County groundwater-level monitoring network	\$28,263.00	\$84,792.00	\$113,055.00
Educating Denver Metro elected officials and decision makers on solutions-oriented water supply planning	\$14,820.00		\$14,820.00
South Platte River Recreation and Habitat Improvement Preliminary Design	\$25,000.00	\$100,000.00	\$125,000.00
Basin Roundtable Project Exploration Committee: Flaming Gorge	\$8,700.00	\$7,142.83	\$15,842.83
Denver South Platte River Implementation Project - Frontier/Overland Final Design	\$175,000.00		\$175,000.00
Rural Well Level Monitoring in Douglas County	\$50,000.00		\$50,000.00
South Platte & Metro Integrated Basin Implementation Plan - Nonconsumptive	\$58,000.00	\$29,500.00	\$87,500.00
Plum Valley Heights Water Supply Pipeline	\$50,000.00		\$50,000.00
Josh Ames Diversion Removal on Poudre River	\$25,000.00	\$100,000.00	\$125,000.00
South Platte & Metro Integrated Basin Implementation Plan - Consumptive	\$137,000.00	\$69,000.00	\$206,000.00
Grant-Frontier Park West Bank Riparian Floodplain Design and Construction Project	\$100,000.00	\$250,000.00	\$350,000.00
Water Infrastructure and Supply Efficiency (WISE) Partnership: Western Pipeline Connection Engineering/Design	\$68,800.00	\$619,200.00	\$688,000.00



Water Supply Reserve Account Applications Approved by the CWCB

Name of Water Activity	Basin Account	Statewide Account	Total
North Platte Basin Total Request	\$1,198,522.56	\$311,026.92	\$116,000.00
New Pioneer Ditch Diversion Reconstruction Project	\$116,000.00		\$116,000.00
Town of Walden Water Supply Improvement Project	\$385,000.00		\$385,000.00
Effects of Mtn pine beetle and forest mgmt on water quantity, quality, and forest recovery N.P. and Upper CO River basins	\$212,305.56	\$164,617.92	\$376,923.48
Identification and assessment of important wetlands in N.P. River watershed	\$86,000.00	\$96,000.00	\$182,000.00
Monitoring the effects of weather conditions on the evapotranspiration in N.P. Basin	\$50,409.00	\$50,409.00	\$100,818.00
North Park Irrigated Meadow Conservation Program - Phase I	\$20,000.00		\$20,000.00
Structure for Water Control	\$36,000.00		\$36,000.00
Solicitation of stakeholder input through production of a North Platte Basin education package	\$14,040.00		\$14,040.00
Structures for Water Control: Headgates and Diversion	\$128,828.00		\$128,828.00
Basin Roundtable Project Exploration Committee: Flaming Gorge	\$1,000.00		\$1,000.00
Structure for Water Control	\$41,940.00		\$41,940.00
North Platte Basin Implementation Plan	\$107,000.00		\$107,000.00
Name of Water Activity	Basin Account	Statewide Account	Total
Rio Grande Basin Total Request	\$2,085,685.00	\$9,382,947.36	\$11,468,632.36
Alamosa River In-stream Flow Project	\$64,500.00		\$64,500.00
Preliminary Design Multi-use Rio Grande Reservoir Rehabilitation and Enlargement		\$288,000.00	\$288,000.00
Rio Grande Basin Conservation Reserve Enhancement Program	\$36,750.00		\$36,750.00
Alamosa River Watershed Restoration Project		\$104,000.00	\$104,000.00
Romero-Guadalupe Channel Rectification Project	\$83,700.00		\$83,700.00
Rio Grande Initiative	\$200,000.00	\$1,300,000.00	\$1,500,000.00
Santa Maria and Continental Reservoirs: Rehabilitation and Multiple Use Studies	\$72,000.00	\$141,700.00	\$213,700.00
2008 Rio Grande Riparian Stabilization Project	\$35,000.00	\$250,000.00	\$285,000.00
Platoro Reservoir Restoration	\$50,000.00	\$200,000.00	\$250,000.00
Conejos River and North Branch Diversion and Stabilization	\$50,000.00	\$333,700.00	\$383,700.00
Rio Grande Reservoir Multi-Use Rehabilitation: Refinement and Enhancement of Reservoir Reoperation and Optimization Model	\$100,000.00		\$100,000.00
San Antonio River - El Codo Ditch Diversion and Rehabilitation	\$65,000.00		\$65,000.00
Lower Willow Creek Restoration Project	\$50,000.00	\$200,000.00	\$250,000.00
Sangre de Cristo Trinchera Diversion Canal Restoration	\$50,000.00	\$200,000.00	\$250,000.00
Conservation Reserve CREP Phase II	\$31,500.00		\$31,500.00
Shortfall Request - Sangre de Cristo Trinchera Diversion Canal Restoration	\$54,000.00		\$54,000.00
2009 Rio Grande Riparian Stabilization Project - Phase 4	\$50,000.00		\$50,000.00
Educating Today to Balance Tomorrow's Water Supplies & Needs	\$25,000.00		\$25,000.00
San Luis Peoples Ditch Upgrade and Rehabilitation Project - Phase I	\$40,000.00		\$40,000.00
Conejos North Branch Water Conservation and Management	\$75,000.00		\$75,000.00
The McDonald Ditch and Plaza Project, Phase I Planning	\$40,000.00		\$40,000.00
Rio Grande Initiative: North Rio Grande Ranch Conservation Easement	\$15,000.00	\$55,000.00	\$70,000.00
Basin Roundtable Project Exploration Committee: Flaming Gorge	\$1,000.00	\$7,142.86	\$8,142.86
Platoro Reservoir Crest of Dam Repair	\$15,000.00	\$135,000.00	\$150,000.00



Water Supply Reserve Account Applications Approved by the CWCB

Name of Water Activity	Basin Account	Statewide Account	Total
Rio Grande Basin Continued			
Sanchez Reservoir Rehabilitation - Phase I Assessment & Upgrade	\$10,000.00	\$85,000.00	\$95,000.00
McDonald Ditch - Plaza Project - Phase 2	\$20,000.00	\$275,000.00	\$295,000.00
Water 2012: The Rio Grande Basin Partnering for Colorado's Water Future	\$15,600.00		\$15,600.00
Terrace Reservoir Spillway Replacement	\$75,000.00	\$1,425,000.00	\$1,500,000.00
Conejos River System Gauging Stations Project	\$20,000.00	\$387,280.00	\$407,280.00
Rio Grande County Hydrogeologic Study	\$99,564.00		\$99,564.00
Rio Grande Initiative: Haywood Ranch Conservation Easement	\$25,000.00	\$400,000.00	\$425,000.00
Sanchez Reservoir Phase 2 - Outlet Rehabilitation and Gate Tower Replacement	\$55,000.00	\$859,400.00	\$914,400.00
Solicitation of Stakeholders Input & Advice through publication of a Rio Grande Edition of Headwaters Magazine		\$33,237.00	\$33,237.00
SANTA MARIA RESERVOIR SIPHON & CANAL SYSTEM REHABILITATION	\$23,000.00	\$440,750.00	\$463,750.00
Quantifying Mogote/Romero Flows & Effects on the Conejos System	\$16,700.00	\$268,300.00	\$285,000.00
Culebra Watershed Vallejos Ditch Headgate Replacement	\$10,000.00	\$90,000.00	\$100,000.00
The Rio Grande Basin "Narrowing the Gap" for Colorado's Water Future	\$23,500.00		\$23,500.00
Drip Irrigation Field Trial for Sustainable Potato Cropping in the San Luis Valley	\$40,000.00		\$40,000.00
Kerber Creek Restoration Project	\$34,871.00		\$34,871.00
Rio Grande Basin Implementation Plan	\$211,000.00	\$100,000.00	\$311,000.00
Lower Willow Creek Restoration Project: Phase 2	\$55,000.00		\$55,000.00
Plaza Project – Phase 2: McDonald Ditch Implementation Project	\$22,000.00	\$409,000.00	\$431,000.00
Lone Cabin Dam Repair and Rehabilitation	\$38,000.00	\$232,687.50	\$270,687.50
Radar Monitoring & Hydrologic Modeling in the Upper Rio Grande Basin	\$37,000.00	\$200,000.00	\$237,000.00
Santa Maria Reservoir Phase 2 - Continental Dam and Spillway Restoration	\$51,000.00	\$962,750.00	\$1,013,750.00
Name of Water Activity	Basin Account	Statewide Account	Total
South Platte Basin Total Request	\$1,721,141.90	\$3,080,083.86	\$4,801,225.76
Chatfield Reallocation EIS/FR (Metro BRT contributing \$103,000)	\$27,000.00		\$27,000.00
Clear Creek Water Banking/High Altitude Storage	\$52,000.00		\$52,000.00
Ovid Reservoir Comprehensive Feasibility Study	\$176,000.00		\$176,000.00
Lower South Platte Wetland Initiative Phase I South Platte River, CO		\$278,476.00	\$278,476.00
Stage Discharge Data Loggers and Telemetry	\$48,800.00		\$48,800.00
Upper Mountain Counties Water Needs Assessment	\$130,763.00		\$130,763.00
Weld County School Dist RE1 Wetland Partnership	\$42,109.90		\$42,109.90
Solicitation of Stakeholder Input through a South Platte Edition of Headwaters	\$32,038.00		\$32,038.00
S.P. Water protection and restoration		\$825,552.00	\$825,552.00
Arickaree River Well retirement program, Republican River basin, CO.	\$19,984.00	\$79,936.00	\$99,920.00
Halligan Seaman Water Mgmt project share vision planning model	\$25,435.00	\$76,305.00	\$101,740.00
Demonstration of Membrane Zero Liquid Discharge Process for Drinking Water Systems	\$25,000.00	\$233,333.00	\$258,333.00
Lost Creek Aquifer Recharge and Storage Study	\$80,000.00		\$80,000.00
Central South Platte Wetland Partnership	\$150,000.00		\$150,000.00
FMRI Co Recharge & Wetlands Project	\$250,000.00	\$420,000.00	\$670,000.00
Data Logger and Telemetry Installation Project	\$46,000.00		\$46,000.00



Water Supply Reserve Account Applications Approved by the CWCB

Name of Water Activity	Basin Account	Statewide Account	Total
South Platte Basin Total Request Continued			
Colorado Agricultural Meterological Network (CoAgMet)	\$20,000.00		\$20,000.00
Lower South Platte Water Cooperative Organizational Analysis	\$60,977.00	\$200,000.00	\$260,977.00
Development of Decision Support Model for Identifying & Ranking Waterfow and Wildlife Related Recharge Projets along the South Platte River		\$85,421.00	\$85,421.00
Alluvial Aquifer Accretion/Depletion Analysis Tool		\$200,000.00	\$200,000.00
Rotating Agricultural Fallowing Public Policy Working Group	\$10,000.00		\$10,000.00
South Platte River Recreation and Habitat Improvement Preliminary Design	\$25,000.00	\$100,000.00	\$125,000.00
Basin Roundtable Project Exploration Committee: Flaming Gorge	\$2,000.00	\$7,146.86	\$9,146.86
South Platte River Phreatophyte Control Pilot	\$35,000.00	\$30,000.00	\$65,000.00
Denver South Platte River Implementation Project - Frontier/Overland Final Design	\$25,000.00	\$300,000.00	\$325,000.00
Prewitt Reservoir Wetland Partnership	\$45,414.00	\$45,414.00	\$90,828.00
Data Logger Installation Project, South Platte River Basin	\$88,958.00		\$88,958.00
Josh Ames Diversion Removal on Poudre River	\$75,000.00	\$100,000.00	\$175,000.00
State Land Board South Platte Recharge Study	\$33,663.00		\$33,663.00
South Platte & Metro Integrated Basin Implementation Plan - Nonconsumptive	\$58,000.00	\$29,500.00	\$87,500.00
South Platte & Metro Integrated Basin Implementation Plan - Consumptive	\$137,000.00	\$69,000.00	\$206,000.00
Name of Water Activity	Basin Account	Statewide Account	Total
Southwest Basin Total Request			
Dry Gulch Reservoir/San Juan Reservoir Land Acquisition		\$1,000,000.00	\$1,000,000.00
Goodman Point Water Association Pipeline Environmental Assessment	\$7,700.00		\$7,700.00
Jackson Gulch Reservoir Expansion Project	\$80,000.00		\$80,000.00
Goodman Point Phase 2	\$20,000.00	\$120,000.00	\$140,000.00
Bauer Lakes Water Co. Dam Outlet Structure Upgrade	\$40,000.00		\$40,000.00
La Plata West Rural Water Supply System	\$100,000.00	\$1,000,000.00	\$1,100,000.00
Town of Sawpit Engineering/Planning for Domestic Water System; Southwest Basin	\$25,000.00		\$25,000.00
MVIC Summit Irrigation Company feasibility study	\$39,300.00		\$39,300.00
Water System Well, Treatment System and Distribution Upgrades	\$50,000.00		\$50,000.00
Water System Master Planning	\$100,000.00		\$100,000.00
Molas Lake Ditch Rehabilitation and Diversion Structures	\$95,000.00		\$95,000.00
Lower Blanco River Restoration Project	\$100,000.00		\$100,000.00
Ditch Loss, Hydropower, and Monitoring Improvement Program	\$100,000.00		\$100,000.00



Water Supply Reserve Account Applications Approved by the CWCB

Name of Water Activity	Basin Account	Statewide Account	Total
Southwest Basin Total Request Continued			
Red Mesa Dam Incremental Damage Analysis (IDA) and Emergency Action Plan (EAP)	\$29,000.00		\$29,000.00
Park Ditch Improvements	\$85,000.00		\$85,000.00
Domestic Water System Construction	\$25,000.00		\$25,000.00
La Plata Archuleta Water District Permitting		\$400,000.00	\$400,000.00
Lower Blanco River Restoration Project		\$150,000.00	\$150,000.00
Animas River Needs Assessment	\$57,000.00		\$57,000.00
Mancos River Diversion Project, Phase I	\$24,753.00		\$24,753.00
Protecting Irrigated Agricultural Lands and Water Rights for Agricultural Production	\$31,500.00		\$31,500.00
Canal Seepage Reduction Project		\$225,000.00	\$225,000.00
Raw Water System Update and Future Needs Study	\$58,458.00		\$58,458.00
Canal Seepage Reduction Program		\$775,000.00	\$775,000.00
Totten Reservoir Hydrographic Survey	\$29,500.00		\$29,500.00
A Way Forward: The Dolores River Below McPhee Reservoir	\$25,000.00		\$25,000.00
Recreational Plan for Lake Nighthorse	\$25,000.00		\$25,000.00
La Plata Cherry Creek Ditch Headgate Improvement Project	\$25,000.00		\$25,000.00
Aspen Springs Metro Water Filling Station	\$30,000.00		\$30,000.00
La Plata River Water Resources Operations Model		\$148,823.00	\$148,823.00
Groundhog Reservoir Bathymetric Survey	\$35,000.00		\$35,000.00
Town of Rico Alluvium Pipeline Water Supply Project - Well Drilling and Water Quality Testing	\$20,000.00	\$80,000.00	\$100,000.00
Pagosa Lakes Area Village Lake Dam Outlet Pipe Repair Project	\$25,000.00		\$25,000.00
Basin Roundtable Project Exploration Committee: Flaming Gorge	\$1,000.00	\$7,142.86	\$8,142.86
Lake Durango Water Authority/ Source Water Infrastructure	\$50,000.00	\$450,000.00	\$500,000.00
Construction of Municipal Water Distribution Pipeline and Related Facilities	\$25,000.00	\$475,000.00	\$500,000.00
Mancos River Habitat and Diversion Project - Phase 2	\$20,000.00	\$99,340.00	\$119,340.00
Improved Water User, Conservation, Management and Operations through the Implementation of Water Accounting Software	\$52,500.00		\$52,500.00
Red Mesa Dam & Reservoir – Spillway Alternatives Analysis	\$19,400.00		\$19,400.00
Animas Airpark Water Distribution System	\$20,000.00		\$20,000.00
Animas River Diversion Headgate Monitoring Study	\$14,500.00		\$14,500.00
La Plata River Water Resources Operations Model – Request for Supplemental Funding		\$6,926.00	\$6,926.00
Southwest Basin Implementation Plan	\$51,015.00	\$25,127.00	\$76,142.00
Ute Mountain Ute Tribe Water Conservation and Management Plan	\$30,000.00	\$40,000.00	\$70,000.00



Water Supply Reserve Account Applications Approved by the CWCB

Name of Water Activity	Basin Account	Statewide Account	Total
Yampa/White Basin Total Request	\$1,206,374.35	\$596,813.00	\$1,803,187.35
Morrison Creek Reservoir Feasibility Study	\$49,500.00		\$49,500.00
Agricultural Water Needs Assessment	\$201,410.00		\$201,410.00
Common Data Repository	\$106,600.00		\$106,600.00
Energy Development Water Needs Assessment (300,000 Joint Application see Colorado)		\$300,000.00	\$300,000.00
Sparks Reservoir	\$16,000.00		\$16,000.00
Town of Yampa Water Facilities Plan and storage tank up-grades	\$61,062.00		\$61,062.00
Sandwash basin coalbed methane production depletive effects on water resources	\$20,000.00	\$98,835.00	\$118,835.00
Headwaters Magazine - January 2010	\$20,000.00		\$20,000.00
Development and Implementation of Water Forums, Workshop, and/or Tours	\$10,000.00		\$10,000.00
Stillwater Reservoir Seepage Project	\$189,000.00		\$189,000.00
Yellow Jacket Water Storage Feasibility Study	\$220,800.00		\$220,800.00
Yampa White Basin Nonconsumptive Needs Assessment Watershed Flow Evaluation Tool	\$169,002.35		\$169,002.35
Improvement of Lysimeter Operations and Consumptive Use Quantification in High-Altitude, Irrigated Meadows in the Yampa/White Basin	\$10,000.00	\$10,978.00	\$20,978.00
Yampa-White Basin Projects and Methods Analysis	\$38,000.00	\$152,000.00	\$190,000.00
Yampa River Structures Project	\$50,000.00		\$50,000.00
Armstrong Creek Restoration Project	\$15,000.00	\$35,000.00	\$50,000.00
Development & Implementation of Water Education & Networking 3 year Program of Discussions, Forums, Workshops Tours	\$30,000.00		\$30,000.00

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