



Colorado's Water Supply Future

Water Supply Reserve Account Annual Report

October 31, 2015



WISE Infrastructure

- + Local Connections
- Existing WTP
- PWP Infrastructure
- Proposed Pipeline
- Existing Pipeline

South Metro Water Supply Authority, WISE Project General Location Map
An interbasin cooperative project; see page 4 “In the Spotlight”

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:

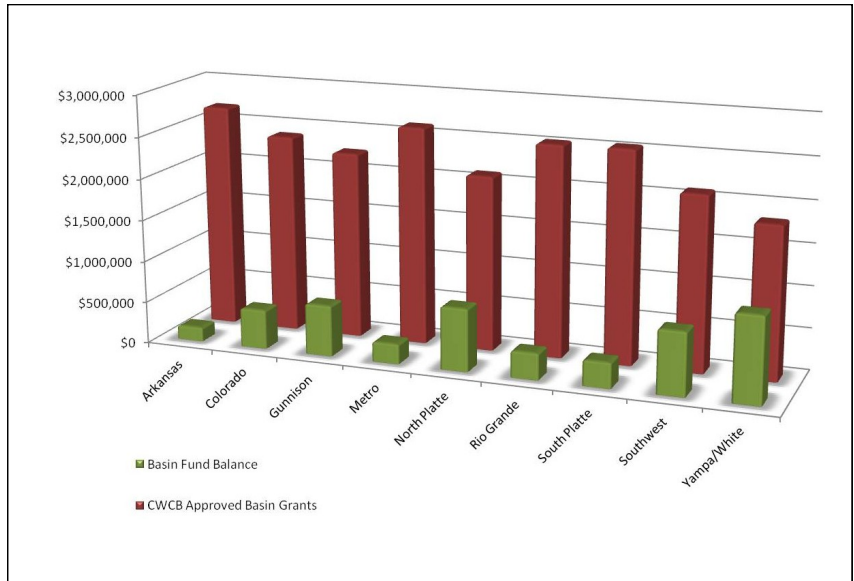
- Identify human, environmental, or recreational water needs (also commonly referred to as "Needs Assessments")
- Evaluate water supplies in each basin
- Build projects or identify methods to meet the water supply needs of the river basin

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

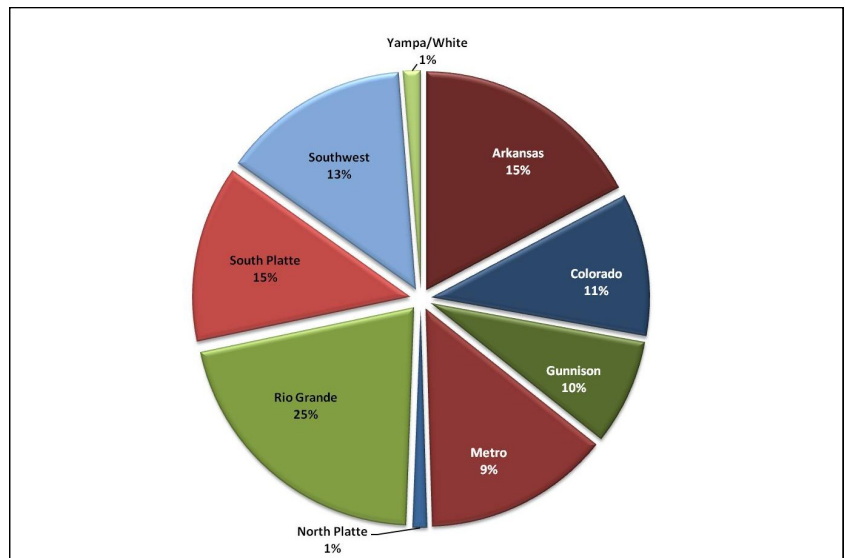
The Account is administered by the Colorado Water Conservation Board (CWCB) in collaboration with the Interbasin Compact Commission (IBCC) and the 9 Basin Roundtables established under House Bill 05-1177 (Colorado Water for the 21st Century Act). Requests for funding begin at the Basin Roundtables. Applications 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](#).



| Total, Approved, and Remaining Funds for the WSRA Basin Accounts | | | |
|--|-----------------------------|----------------------------|--------------------|
| Basin | Total Basin Funds Allocated | CWCB Approved Basin Grants | Basin Fund Balance |
| Arkansas | \$2,855,225 | \$2,686,459 | \$168,766 |
| Colorado | \$2,855,225 | \$2,385,337 | \$469,888 |
| Gunnison | \$2,855,225 | \$2,244,264 | \$610,961 |
| Metro | \$2,855,225 | \$2,616,731 | \$238,494 |
| North Platte | \$2,855,225 | \$2,102,968 | \$752,257 |
| Rio Grande | \$2,855,225 | \$2,537,212 | \$318,013 |
| South Platte | \$2,855,225 | \$2,549,012 | \$306,213 |
| Southwest | \$2,855,225 | \$2,097,376 | \$757,849 |
| Yampa/White | \$2,855,225 | \$1,824,440 | \$1,030,785 |
| Grand Total | \$25,697,021 | \$21,043,799 | \$4,653,226 |

Figure 1. Basin Fund Distribution Approved per Basin



| Basin | Arkansas | Colorado | Gunnison | Metro | North Platte | Rio Grande | South Platte | Southwest | Yampa/White |
|---------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|
| Approved from Statewide Account | \$8,365,160 | \$5,184,260 | \$3,812,791 | \$6,713,284 | \$508,078 | \$10,260,323 | \$6,372,646 | \$6,757,109 | \$612,063 |
| Number of Projects | 43 | 16 | 21 | 23 | 6 | 29 | 28 | 20 | 7 |

*Note: Some projects are associated with multiple Basins, in this case the project was counted for each associated basin

Figure 2. Statewide Fund Distribution Approved per Basin (\$48,565,714)

Program Highlights

- ◆ Over \$69,000,000 Granted for 342 Projects Across Colorado
- ◆ Over \$148,000,000 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

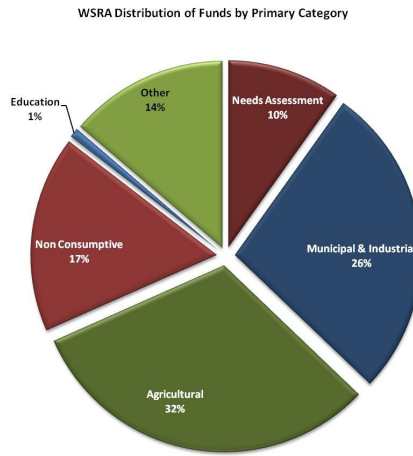
Accomplishments

Water Supply Reserve Account projects have been approved across the entire state (see map on page 6). The WSRA Criteria and Guidelines split the funds into Basin Accounts and a Statewide Account. Each Basin Account has received \$2,855,225 to date.

Figure 1 on page 2 show the amounts approved from each Basin Account (totaling \$21,043,799).

To date, the Statewide Account has received \$50,464,226, with \$48,565,714 in approved grants. The distribution of WSRA funds from the Statewide Account per basin is shown in Figure 2 (page 2).

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.



| Type | Needs Assessment | Municipal & Industrial | Agricultural | Nonconsumptive | Education | Other |
|----------------------|--------------------|------------------------|---------------------|---------------------|------------------|--------------------|
| Arkansas | \$1,378,975 | \$2,816,415 | \$1,833,982 | \$1,061,805 | \$169,117 | \$3,531,153 |
| Colorado | \$1,020,171 | \$786,429 | \$2,169,249 | \$3,162,364 | \$51,263 | \$490,700 |
| Gunnison | \$422,500 | \$2,384,416 | \$2,407,014 | \$307,165 | \$17,730 | \$631,292 |
| Metro | \$577,477 | \$5,204,690 | | \$810,000 | \$43,695 | |
| North Platte | \$301,602 | \$406,429 | \$1,172,080 | \$202,000 | \$14,040 | \$537,923 |
| Rio Grande | \$644,775 | | \$8,166,980 | \$3,313,371 | \$142,637 | \$486,564 |
| South Platte | \$273,500 | \$507,498 | \$2,388,720 | \$1,258,911 | | \$288,958 |
| South Platte/Metro | \$1,318,850 | \$160,000 | \$309,648 | 1,050,000 | \$48,057 | \$2,825,000 |
| Southwest | \$353,142 | \$5,331,158 | \$2,615,449 | \$309,093 | \$20,000 | \$222,500 |
| Yampa/White | \$518,476 | \$458,826 | \$490,028 | \$269,002 | \$60,000 | \$476,600 |
| Total Funding | \$6,809,468 | \$18,055,860 | \$21,553,150 | \$11,743,711 | \$566,538 | \$9,490,690 |

| Number of Projects | | | | | | |
|--------------------|---|----|----|----|---|----|
| Arkansas | 8 | 15 | 13 | 10 | 5 | 14 |
| Colorado | 5 | 7 | 13 | 12 | 2 | 7 |
| Gunnison | 5 | 16 | 20 | 6 | 1 | 5 |
| Metro | 3 | 12 | | 3 | 2 | |
| North Platte | 2 | 2 | 8 | 2 | 1 | 2 |
| Rio Grande | 2 | | 29 | 11 | 5 | 4 |
| South Platte | 2 | 6 | 14 | 7 | | 2 |
| SP/Metro | 4 | 1 | 1 | 3 | 1 | 3 |
| Southwest | 4 | 24 | 21 | 6 | 1 | 3 |
| Yampa/White | 2 | 6 | 6 | 3 | 3 | 4 |

*Note: Some projects are associated with multiple basins, in this case projects were counted for each associated basin

Figure 3: WSRA distribution of funding by primary category

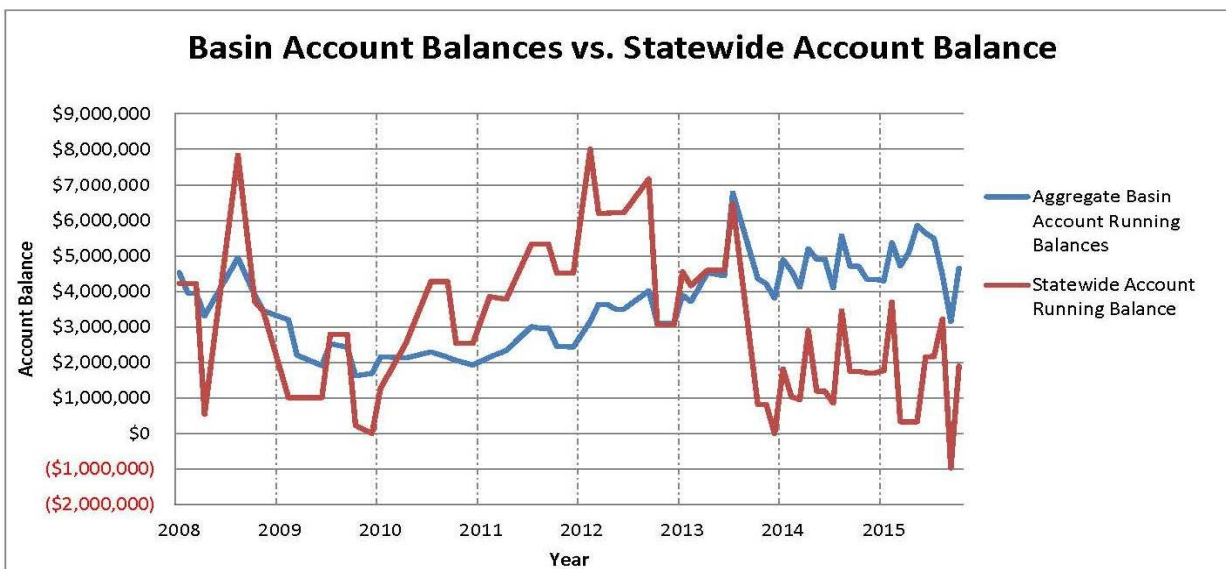


Figure 4: Basin and Statewide Account Balances



In the Spotlight

South Metro Water Supply Authority WISE Project

The Water Infrastructure and Supply Efficiency (WISE) Partnership is a regional water supply project between Aurora Water, Denver Water and the South Metro WISE Authority (WISE Authority) to combine available water supplies and system capacities to create a sustainable new water supply. Through WISE, Aurora Water and Denver Water will provide up to 10,000 AF annually (on average) of fully treated water to the WISE Authority for distribution to its members on a permanent basis. Aurora’s Prairie Waters system will provide the infrastructure for delivering water from the South Platte River when Aurora and Denver Water have available water supplies and Aurora’s Prairie Waters system has available capacity. WISE will also enable Denver Water to access its supplies as a new emergency and backup supply. Denver Water and Aurora Water will supply water to the WISE Authority at a master meter to be located near Aurora’s Binney Water Purification Facility (BWPF). The WISE Authority will develop infrastructure within their area for further distribution to their members. The WISE Authority consists of 10 members of the South Metro Water Supply Authority who have benefited from approximately \$2.5 million in WSRA Grant funds approved by 7 out of the 9 Basin Roundtables. This project exemplifies the interbasin collaboration and cooperation promoted by Colorado’s Water Plan.

Funds from the Account provide the means to conduct studies of water needs and actual project implementation. Figure 5 (page 5) 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.

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 Table 2.

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

Figure 6 summarizes the status of all approved WSRA projects. Currently there are 138 active grants (In Progress and Contracting), involving approximately \$27.3 million. Per the WSRA Criteria and Guidelines applications for the Basin Account are considered at each of the CWCB’s bi-monthly board meetings once they have received approval



WISE project under construction—photo courtesy of SMWSA

| By the Numbers: A Sampling of data from the WSRA Program | |
|---|--------------|
| New Storage Created (acre-feet) | 876 |
| New Annual Water Supplies (acre-feet) | 15,587 |
| Existing Storage Preserved or Enhanced (acre-feet) | 145,662 |
| Length of Stream Restored or Protected (linear feet) | 587,409 |
| Length of Pipe/Canal Built or Improved (linear feet) | 1,092,097.50 |
| Area of Restored or Preserved Habitat (acres) | 60,165.52 |
| Efficiency Savings (acre-feet/year) | 66,621 |
| Efficiency Savings (dollars/year) | 27,750 |
| Reports/Studies (engineering, feasibility, watershed, etc.) | 164 |

Table 2: Data from approved WSRA projects



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.

Funding Summary

Table 3 displays the legislative appropriations and actual funds received by the Water Supply Reserve Account Program since its inception in 2006. 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 reduced funding in some years. It is authorized to receive \$10,000,000 in FY2016.

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 3 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.

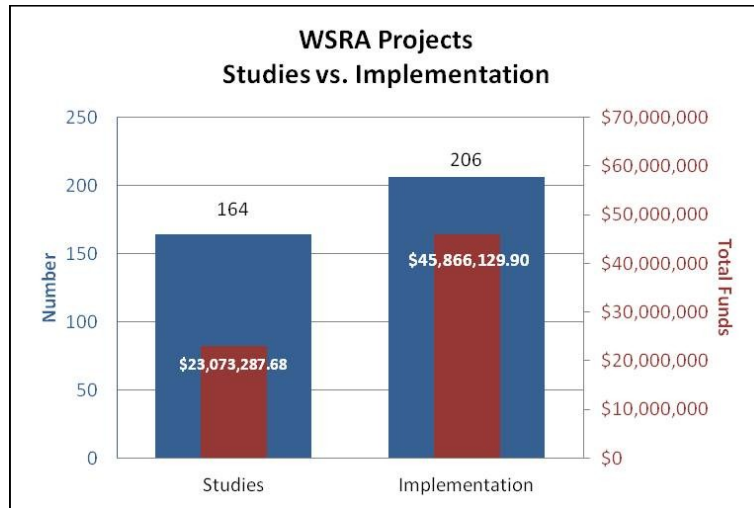


Figure 5. WSRA Funding for Studies and Implementations

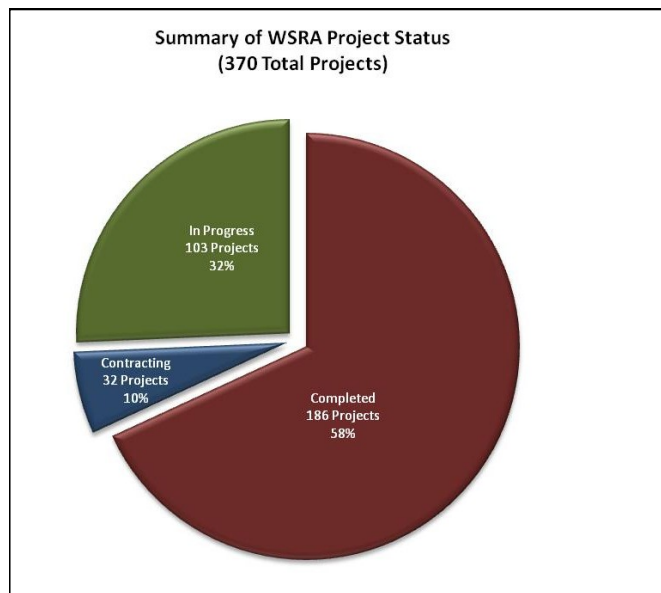


Figure 6. Summary of WSRA Project Status (321 Total Projects)

WSRA Fund Appropriation and Receipts

October 2015

| Fiscal Year | Legislative Appropriation | Funds Received | Statewide Account | Basin Accounts |
|--------------|---------------------------|---------------------|---------------------|---------------------|
| 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 | \$10,091,639 | \$6,458,649 | \$3,632,990 |
| 2014/2015 | \$10,000,000 | \$4,000,000 | \$2,560,000 | \$1,440,000 |
| 2015/2016 | \$10,000,000 | \$4,000,000 | \$2,560,000 | \$1,440,000 |
| Interest | N/A | \$3,136,884 | \$3,136,884 | N/A |
| TOTAL | \$84,775,000 | \$70,161,248 | \$46,624,226 | \$23,537,021 |

Note: The 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.

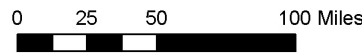
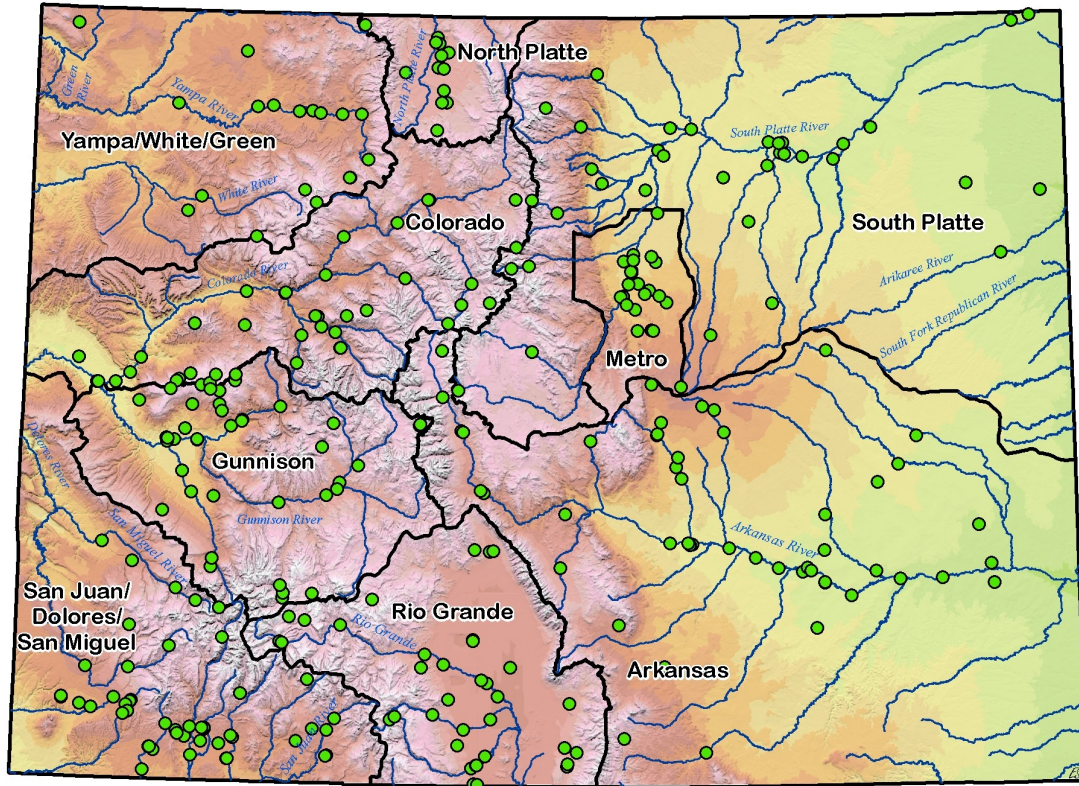
In January 2012 interest for the program from its inception to date was credited directly to the Statewide Account.

Interest from January 2012 on is regularly calculated by the Treasury and credited to the Statewide Account.

Table 3. Summary of WSRA Appropriations and Receipts



Geographic Distribution of WSRA Projects



IBCC Basins WSRA Projects

Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|---|-----------------------|-----------------------|------------------------|
| Arkansas Basin Total Request | \$3,070,932.00 | \$7,812,823.74 | \$10,883,755.74 |
| Arkansas Headwaters Diversion Structure Improvement Project Arkansas River Basin | | \$57,955 | \$57,955 |
| Arkansas River Basin Implementation Study | \$59,600 | \$238,400 | \$298,000 |
| Colorado State Parks Zebra Mussel Response | | \$1,000,000 | \$1,000,000 |
| Raising Awareness in 2012: A Statewide Celebration of Colorado Water | | \$30,515 | \$30,515 |
| Super Ditch Delivery Engineering | | \$225,837 | \$225,837 |
| UAWCD Hydrologic Water Balance Study | | \$180,000 | \$180,000 |
| Colorado Water 2012 | \$6,255 | | \$6,255 |
| Fountain Creek Fish Marking and Monitoring Study | \$7,000 | \$28,000 | \$35,000 |
| A Multi-Media Program for Reporting Crop and Turf Water Use Estimates from the Colorado Agricultural Meteorological Network (CoAgMet) | \$9,394 | \$37,577 | \$46,971 |
| Agricultural Economics and Water Resources: Methods, | \$9,746 | | \$9,746 |
| El Paso County Groundwater Quality Study Phase 2c | \$10,000 | \$41,933 | \$51,933 |
| Water Infrastructure and Supply Efficiency (WISE) | \$10,000 | \$11,429 | \$21,429 |
| Bear Creek Sediment Mitigation Project (Phase I) | \$15,000 | \$85,000 | \$100,000 |

Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|---|---------------|-------------------|-----------|
| Arkansas Basin continued | | | |
| ARKANSAS: Build, Assess, and Document Accounting and Administration Tools for Lease Following in the Arkansas River Valley | \$20,000 | \$39,215 | \$59,215 |
| Hale Reservoir Renovation – Final Design & Permitting | \$20,000 | \$100,000 | \$120,000 |
| Rotating Agricultural Following Public Policy Working Group | \$20,000 | | \$20,000 |
| Basin Roundtable Project Exploration Committee: Flaming Gorge | \$23,000 | \$50,004 | \$73,004 |
| Model Transfers- Agriculture to Urban, Arkansas Basin | \$23,860 | | \$23,860 |
| Royal Gorge Wildfire Water Quality Impact and Protection Project – Emergency Mitigation, Stabilization, and Reclamation | \$24,260 | \$460,940 | \$485,200 |
| 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 | \$98,000 | \$122,500 |
| Ground Water Conference | \$24,721 | | \$24,721 |
| Arkansas Basin Watershed Collaborative | \$25,000 | \$240,000 | \$265,000 |
| Cucharas Basin Collaborative Storage Study | \$25,000 | \$195,000 | \$220,000 |
| Mount Pisgah Dam/Wrights Reservoir Outlet Works Rehabilitation | \$25,000 | \$136,345 | \$161,345 |
| Phase II, Repurposing of Water Supply for Multiple Beneficial Use | \$25,000 | \$275,000 | \$300,000 |
| Pikes Peak Regional Water Supply Infrastructure Study | \$25,000 | \$50,000 | \$75,000 |
| Replacement of the Horse Creek Flume | \$25,000 | \$136,625 | \$161,625 |
| Repurposing of Wells 12 and 13 | \$25,000 | \$136,625 | \$161,625 |
| Purgatorie River Reach 3 Habitat Improvement Project | \$25,250 | | \$25,250 |
| ARKANSAS - Preliminary Engineering Report: Area 3 Regional Water Supply Infrastructure | \$26,000 | \$100,000 | \$126,000 |
| Agricultural Improvements and Sustainable Water Supply using Horizontal Wells | \$27,880 | \$70,000 | \$97,880 |
| Arkansas Roundtable Basin Implementation Plan Coordinator | \$27,880 | \$70,000 | \$97,880 |
| ARKANSAS - Lower Arkansas Valley Water Quality and Water Use Efficiency Working Group | \$29,460 | | \$29,460 |
| ARKANSAS - FIRI Analysis and Tailwater Return Flow Study on Fort Lyon Canal | \$30,000 | \$145,137 | \$175,137 |
| Fountain Creek Bank Restoration at the Frost Ranch | \$30,000 | \$75,000 | \$105,000 |
| Stakeholder's Cooperative Management Analysis for the Upper Arkansas River Basin | \$33,600 | | \$33,600 |
| Groundwater Quality Study - Phase 2 - Upper Black Squirrel Creek Alluvial Aquifer in the Arkansas River Basin | \$35,000 | | \$35,000 |
| Helena Diversion Structure/BV Boat Chute Improvement Project | \$35,000 | \$290,000 | \$325,000 |
| ARKANDSAS - North Lake Dam Rehabilitation Project | \$36,962 | \$702,273 | \$739,235 |
| Flaming Gorge Project Task Force Assessment | \$40,000 | | \$40,000 |
| Helena Diversion Structure/BV Boat Chute Improvement Project - Phase 2 | \$43,125 | | \$43,125 |



Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|--|-----------------------|-----------------------|-----------------------|
| Arkansas Basin continued | | | |
| Upper Big Sandy Water Balance | \$45,000 | | \$45,000 |
| Upper Black Squirrel Creek Aquifer Recharge Investigation | \$45,200 | | \$45,200 |
| Demonstration of Membrane Zero Liquid Discharge Process for Drinking Water Systems | \$48,293 | \$218,374 | \$266,667 |
| ARKANSAS - Red Wing Augmentation Facility | \$50,000 | \$200,000 | \$250,000 |
| Evans Reservoir Bypass Flume Replacement | \$50,000 | \$250,000 | \$300,000 |
| Lamar Raw Water Transmission Line Replacement Project | \$50,000 | \$150,000 | \$200,000 |
| Non-native Phreatophyte Trees & Mapping Project | \$50,000 | | \$50,000 |
| Ordway Cattle Feeders Water Line Extension, Phase II | \$50,000 | \$225,000 | \$275,000 |
| Ag-Municipal Conservation Easement Demonstration | \$54,000 | \$216,000 | \$270,000 |
| Water Tank Replacement | \$64,300 | | \$64,300 |
| ARKANSAS - Arkansas Basin Implementation Plan - Modeling & Shortage Analysis | \$70,000 | \$30,000 | \$100,000 |
| Bedload/Sediment Collection and Removal Technology - Fountain Creek | \$75,000 | \$150,000 | \$225,000 |
| Fountain Creek Vision Task Force | \$75,000 | | \$75,000 |
| 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 | \$210,332 | \$285,332 |
| Trinidad/Purgatoire River Reach 4 Demonstration Project | \$75,000 | | \$75,000 |
| Battlement Reservoir #3 Dam reconstruction to enhance recreational & environmental opportunities | \$80,000 | | \$80,000 |
| City of Las Animas Water System Improvements | \$100,000 | \$200,000 | \$300,000 |
| Geospatial Decision Support System for Integrated Water Management in the Arkansas River Basin | \$100,000 | \$500,000 | \$600,000 |
| Round Mountain Water & Sanitation District Water System Improvements Project | \$120,000 | | \$120,000 |
| John Martin Wetlands & Neenoshe Reservoir Nonconsumptive Needs Quantification | \$148,975 | | \$148,975 |
| Rotational Land Fallowing-Water Leasing Program -Lower Arkansas Super Ditch Company | \$150,000 | | \$150,000 |
| Arkansas Basin Implementation Plan; Basin Implementation Plan | \$183,471 | \$51,709 | \$235,180 |
| Arkansas Valley Conduit | \$200,000 | | \$200,000 |
| ARKANSAS - Arkansas Basin Implementation Plan - Phase 2 | \$209,200 | \$104,600 | \$313,800 |
| Name of Water Activity | Basin Account | Statewide Account | Total |
| Colorado Basin Total Request | \$2,361,629.51 | \$5,318,545.57 | \$7,680,175.08 |
| Enlargement of Eagle Park Reservoir | | \$250,000 | \$250,000 |
| Upper Colorado Endangered Fish Recovery Alternatives Analysis (10,825) | | \$200,000 | \$200,000 |
| Vail Ditch Project | | \$1,500,000 | \$1,500,000 |
| Energy Development Water Needs Assessment (300,000 Joint Application see Colorado) | | \$300,000 | \$300,000 |

Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|--|---------------|-------------------|-----------|
| Colorado Basin continued | | | |
| Water Infrastructure and Supply Efficiency (WISE) Partnership: Conjunctive Use Infrastructure | \$10,000 | \$11,429 | \$21,429 |
| COLORADO - Ten mile Creek Restoration Project Phase II | \$13,750 | \$261,250 | \$275,000 |
| Crystal River Watershed – Assessment and Design of Restoration Projects | \$15,854 | \$288,610 | \$304,464 |
| Ten mile Creek Restoration Project | \$17,500 | \$332,500 | \$350,000 |
| Small Acreage Irrigation Audit Program | \$18,273 | | \$18,273 |
| Colorado River Restoration and Conservation Projects | \$20,000 | \$90,000 | \$110,000 |
| Grand River Ditch Pipeline | \$25,000 | | \$25,000 |
| Missouri Heights | \$25,000 | | \$25,000 |
| Remote Cloud Seeder for Northern Grand Mesa | \$25,000 | | \$25,000 |
| Roaring Fork Watershed - Missouri Heights Groundwater Monitoring Phase IIA | \$25,000 | | \$25,000 |
| Solicitation of Stakeholders input and advice through a Colorado River Basin edition of Headwaters Magazine Colorado | \$25,000 | | \$25,000 |
| Canal #1 Check Structure Pilot Project at Dalton, Kiefer & Springer Properties | \$25,212 | | \$25,212 |
| Colorado Water 2012 | \$26,263 | | \$26,263 |
| Colorado River Inventory & Assessment | \$30,000 | | \$30,000 |
| Upper Swan River Restoration Project | \$30,000 | | \$30,000 |
| Rio Grande Basin Conservation Reserve Enhancement Program | \$36,750 | | \$36,750 |
| Feasibility and design assessment of off-channel reservoir sites in the Crystal River water shed | \$40,000 | | \$40,000 |
| Kending Reservoir Feasibility Evaluation | \$40,000 | | \$40,000 |
| Roaring Fork Watershed Assessment | \$40,000 | | \$40,000 |
| Roaring Fork Watershed Assessment -Phase 2 | \$40,000 | | \$40,000 |
| Grace and Shehi Diversion Rehabilitation Project (Phase I & II – Alternatives Evaluation & Detailed Design) | \$40,500 | | \$40,500 |
| Reservoir 2 Enlargement and Lining Project | \$41,620 | \$165,000 | \$206,620 |
| Grand Valley Roller Dam Rehabilitation Phase 1, Development of the Dam and Canyon Facilities Master Plan | \$42,700 | | \$42,700 |
| COLORADO - Grand Valley Riparian Restoration Collaborative (GVRRC) Project | \$42,726 | \$207,274 | \$250,000 |
| Grand Valley Water Users Association Water Management Plan Update | \$45,000 | | \$45,000 |
| COLORADO - Investigation of Water Savings, Water Quality benefits and Profitability of Sub Surface Drip on Alfalfa in Grand Valley | \$46,894 | | \$46,894 |
| Swan River Stream Restoration | \$48,750 | \$926,250 | \$975,000 |
| Bull Creek Reservoir No. 5 Spillway Adequacy Analysis | \$50,000 | | \$50,000 |
| COLORADO - Missouri Heights - Mountain Meadow Irrigation Company | \$50,000 | | \$50,000 |
| L.E.D.E. Ditch and Reservoir Reconstruction | \$50,000 | \$175,000 | \$225,000 |
| Upper Colorado River Irrigation and Restoration Assessment Phase 1. | \$50,000 | | \$50,000 |
| Energy Development Water Needs Assessment Study Update | \$50,000 | | \$50,000 |



Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|--|-----------------------|-----------------------|-----------------------|
| Colorado Basin continued | | | |
| East Mesa Water Company Tunnel Bypass Pipeline | \$60,000 | | \$60,000 |
| Fraser Sedimentation Basin | \$60,000 | \$127,900 | \$187,900 |
| Robinson Ditch Piping Improvements | \$60,000 | | \$60,000 |
| COLORADO - Gore Canyon Whitewater Park at pumphouse - Colorado River | \$100,000 | \$400,000 | \$500,000 |
| Customer Meter Replacement Program | \$100,000 | | \$100,000 |
| Grand County Stream Flow Management Plan | \$100,000 | | \$100,000 |
| Old Dillon Reservoir | \$100,000 | | \$100,000 |
| COLORADO - Riverside Ranch Irrigation Diversion & River Restoration Project | \$113,000 | | \$113,000 |
| COLORADO - Colorado Basin Implementation Plan | \$266,667 | \$83,333 | \$350,000 |
| Colorado Basin Nonconsumptive Needs Quantification | \$315,171 | | \$315,171 |
| Name of Water Activity | Basin Account | Statewide Account | Total |
| Gunnison Basin Total Request | \$2,240,243.59 | \$3,929,872.57 | \$6,170,116.16 |
| GUNNISON - Ditch System Study (a continuation of the Tunnel Reconstruction Project) | | \$82,686 | \$82,686 |
| Lake San Cristobal Outlet Structure Modification--Phase III | | \$120,960 | \$120,960 |
| Orchard City Water Reservoir Project (Remaining Tasks) | | \$480,000 | \$480,000 |
| Overland Reservoir Dam Expansion/Restoration | | \$68,000 | \$68,000 |
| GUNNISON - Somerset Diversion Improvement Study – North Fork of the Gunnison River Corridor Project | \$4,800 | \$43,200 | \$48,000 |
| GUNNISON - Upper Ohio Creek Flow Restoration | \$6,000 | | \$6,000 |
| GUNNISON - Curry Easements Woody Invasives Removal Project - West Side of the North Fork of the Gunnison River | \$8,865 | | \$8,865 |
| Water Infrastructure and Supply Efficiency (WISE) Partnership: Conjunctive Use Infrastructure | \$10,000 | \$11,429 | \$21,429 |
| Engineering Review of Marcot Dam & Outlet Structure | \$10,000 | | \$10,000 |
| Repair of Gunnison Whitewater Park | \$10,000 | | \$10,000 |
| Valley View Irrigation Improvement | \$11,817 | | \$11,817 |
| GUNNISON - Stewart Mesa Water Company Improvement Project | \$12,876 | | \$12,876 |
| Town of Olathe Water Rights | \$15,000 | | \$15,000 |
| Lake San Cristobal Inlet Preservation and Fishing Access Project - Easement | \$16,700 | \$150,300 | \$167,000 |
| Gunnison Basin Roundtable Education Program | \$17,730 | | \$17,730 |
| Lining Outlet for Grand Mesa Reservoir #6 | \$19,840 | | \$19,840 |
| North Fork of the Gunnison Invasive Weed Removal | \$20,000 | | \$20,000 |
| Relief Ditch Diversion Dam Design | \$20,650 | | \$20,650 |
| GUNNISON - McCormick Ditch Reconstruction | \$21,346 | | \$21,346 |
| Hartland Diversion Dam Fish Passage Feasibility Study | \$22,100 | | \$22,100 |
| Blue Mesa Reservoir | \$24,500 | \$98,000 | \$122,500 |
| GUNNISON - Upper Uncompahgre Basin Water Supply Protection & Enhancement Project | \$25,000 | \$25,000 | \$50,000 |
| Remote Cloud Seeder - Grand Mesa | \$25,000 | | \$25,000 |
| GUNNISON - Henson Creek and Lake Fork Confluence Channel Improvements | \$28,975 | \$260,111 | \$289,086 |
| Leon Park Reservoir Dam Outlet Repair | \$31,372 | | \$31,372 |

Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|---|-----------------------|-----------------------|------------------------|
| Gunnison Basin continued | | | |
| GUNNISON - No Chico Brush Agricultural Water Research Project | \$35,000 | | \$35,000 |
| GUNNISON - North Farmers Ditch Slope Repair & Stabilization | \$35,000 | | \$35,000 |
| Lake San Cristobal Controlled Outlet Structure | \$35,000 | | \$35,000 |
| Replacement of Measuring Devices on Grand Mesa | \$40,000 | | \$40,000 |
| Tunnel Reconstruction Project | \$40,000 | \$690,110 | \$730,110 |
| Gunnison River Riparian and Diversion Restoration Project | \$45,540 | \$400,752 | \$446,292 |
| 75 Ditch Diversion Improvement and Feature Enhancements | \$46,100 | | \$46,100 |
| Paonia-Feldman Diversion Reconstruction; North Fork of the Gunnison River (Part 1 and 2) | \$48,000 | \$62,700 | \$110,700 |
| EFT West Reservoir No.1 Outlet Pipe Replacement | \$50,000 | \$175,658 | \$225,658 |
| GUNNISON - Development of Augmentation Supplies | \$50,000 | | \$50,000 |
| Hanson Reservoir Outlet Rehabilitation | \$50,000 | | \$50,000 |
| Hartland Diversion Dam — Partial Dam Removal and Stabilization | \$53,100 | | \$53,100 |
| Bonita Reservoir Dam Outlet Pipe Rehabilitation | \$54,285 | | \$54,285 |
| Off-System Raw Water Storage Project 7 Water Authority/Uncompahgre Valley Water Users Association | \$56,700 | | \$56,700 |
| Orchard City Water Reservoir Project (Task 1-3) | \$60,000 | | \$60,000 |
| Safety and Serviceability Needs Inventory for Reservoirs in the Leroux Creek Drainage Basin | \$60,000 | | \$60,000 |
| Town of Ridgway Lake Otonowanda Renovation Project | \$60,000 | \$540,000 | \$600,000 |
| GUNNISON - Basin Implementation Plan (Planning and technical Support for 2015 | \$66,700 | \$33,300 | \$100,000 |
| GUNNISON - Lamborn Water Treatment Plant Upgrade | \$75,000 | \$310,000 | \$385,000 |
| GUNNISON - The Rehabilitation of Blanche Park Reservoir | \$75,000 | | \$75,000 |
| Phase II Engineering for Lake San Cristobal Outlet Modification | \$75,265 | | \$75,265 |
| GUNNISON - Agricultural Weather Data Delivery Improvements to Uncompahgre Valley Irrigators | \$77,000 | \$35,000 | \$112,000 |
| Sedimentation Management Study For Paonia Reservoir - North Fork of the Gunnison | \$79,000 | \$230,000 | \$309,000 |
| Juniata Reservoir Spillway Modification | \$97,000 | | \$97,000 |
| Ridgway Ditch and Lake Otonawanda Improvement Project | \$109,500 | | \$109,500 |
| Lone Cabin Dam Rehabilitation Project | \$121,150 | \$46,000 | \$167,150 |
| Gunnison Basin Implementation Plan | \$133,333 | \$66,667 | \$200,000 |
| Lake San Cristobal Outlet Structure | \$150,000 | | \$150,000 |
| Name of Water Activity | Basin Account | Statewide Account | Total |
| Metro Total Request | \$3,610,591.00 | \$8,736,826.24 | \$12,347,417.24 |
| Aquifer Recharge Pilot Study | | \$550,000 | \$550,000 |
| Rotary Sprinkler Nozzle Retrofit | | \$250,000 | \$250,000 |



Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|---|---------------|-------------------|-------------|
| Metro continued | | | |
| Water Diplomats: University Students & the State Water Plan | \$4,575 | \$24,300 | \$28,875 |
| METRO - Bluff Lake Nature Center Aquatic Habitat Improvement | \$10,000 | \$200,000 | \$210,000 |
| METRO - Rural Well Monitoring in Douglas County | \$13,977 | | \$13,977 |
| Educating Denver Metro elected officials and decision makers on solutions-oriented water supply planning | \$14,820 | | \$14,820 |
| Water Infrastructure and Supply Efficiency (WISE) Partnership: Conjunctive Use Infrastructure | \$40,000 | \$11,429 | \$51,429 |
| Demonstration of Membrane Zero Liquid Discharge Process for Drinking Water Systems | \$48,293 | \$218,374 | \$266,667 |
| North West Douglas County Rural Water Supply Project | \$50,000 | \$950,000 | \$1,000,000 |
| METRO Rural Douglas County groundwater-level monitoring network | \$78,263 | \$84,792 | \$163,055 |
| Feasibility Study for Bureau of Reclamation Funding from the National Rural Water Supply Act | \$100,000 | \$500,000 | \$600,000 |
| METRO - Grant-Frontier Park West Bank Riparian Floodplain Design and Construction Project | \$100,000 | \$250,000 | \$350,000 |
| South Metro Water Supply Authority - Regional Aquifer Supply Assessment | \$100,540 | | \$100,540 |
| Chatfield Reallocation EIS/FR (South Platte BRT contributing \$27k) | \$103,000 | | \$103,000 |
| South Platte & Metro Integrated Basin Implementation Plan - Nonconsumptive | \$142,000 | \$71,500 | \$213,500 |
| METRO - 8th Avenue to 20th Street In-River , Recreation and Environmental Improvements and Floodplain Mitigation | \$150,000 | \$300,000 | \$450,000 |
| Parker Water & San. & CO. State Univ. Joint Project on the Rural/Urban Farm Model | \$150,000 | | \$150,000 |
| South Platte River Recreation and Habitat Feasibility Study | \$150,000 | | \$150,000 |
| METRO - Water Infrastructure & Supply Efficiency (WISE) Partnership: Western Pipeline Connection Engineering/Design | \$157,000 | \$1,413,000 | \$1,570,000 |
| Zero Liquid Discharge Pilot Study | \$200,000 | \$200,000 | \$400,000 |
| SOUTH PLATTE - Meadow and South Ledge Diversion Reconstruction and Fish Passage Demonstration Project | \$8,500 | \$161,500 | \$170,000 |
| SOUTH PLATTE Rural Elbert County Groundwater-Level Monitoring Network | \$18,000 | \$96,500 | \$114,500 |
| Solicitation of Stakeholder Input through a South Platte Edition of Headwaters | \$48,057 | | \$48,057 |
| South Platte River Recreation and Habitat Improvement Preliminary Design | \$50,000 | \$200,000 | \$250,000 |
| Elbert County Rural Water Supply Study | \$80,000 | \$40,000 | \$120,000 |
| South Platte/Metro - Josh Ames Diversion Removal on Poudre River | \$100,000 | \$200,000 | \$300,000 |
| SOUTH PLATTE/METRO - South Platte River Diurnal Flow Study | \$100,000 | | \$100,000 |
| Data Loggers & Telemetry | \$153,216 | \$156,432 | \$309,648 |
| Lost Creek Aquifer Recharge and Storage Study | \$160,000 | | \$160,000 |
| Upper Mountain Counties Water Needs Assessment | \$174,350 | | \$174,350 |
| Denver South Platte River Implementation Project - Frontier/Overland Final Design | \$200,000 | \$300,000 | \$500,000 |
| SOUTH PLATTE/METRO Emergency Flood Recovery Assessment, Design, and Recovery including Cycle #2 | \$300,000 | \$2,255,000 | \$2,555,000 |
| South Platte & Metro Integrated Basin Implementation Plan - Consumptive | \$606,000 | \$304,000 | \$910,000 |

Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|--|-----------------------|------------------------|------------------------|
| North Platte Basin Total Request | \$2,114,567.56 | \$519,506.49 | \$2,634,074.05 |
| Water Infrastructure and Supply Efficiency (WISE) Partnership: Conjunctive Use Infrastructure | \$10,000 | \$11,429 | \$21,429 |
| Solicitation of stakeholder input through production of a North Platte Basin education package | \$14,040 | | \$14,040 |
| North Park Irrigated Meadow Conservation Program - Ph I | \$20,000 | | \$20,000 |
| Mallon Extension Ditch Bypass Structure | \$35,900 | | \$35,900 |
| Structure for Water Control | \$36,000 | | \$36,000 |
| Mutual Ditch - Structure for Water Control | \$41,940 | | \$41,940 |
| Monitoring the effects of weather conditions on the evapotranspiration in N.P. Basin | \$50,409 | \$50,409 | \$100,818 |
| Seneca Ditch - Structure for Water Control | \$57,539 | | \$57,539 |
| Identification and assessment of important wetlands in N.P. River watershed | \$86,000 | \$96,000 | \$182,000 |
| North Platte - Re-establishment of Lysemeter in North Park to Determine High Altitude, Hay Meadow Crop Coefficients | \$97,051 | \$97,051 | \$194,102 |
| North Platte Basin Implementation Plan | \$107,500 | | \$107,500 |
| New Pioneer Ditch Diversion Reconstruction Project | \$116,000 | | \$116,000 |
| North Platte - Jackson County Basin Wide Aug. Plan | \$161,000 | | \$161,000 |
| Structures for Water Control: Head gates and Diversion | \$183,883 | | \$183,883 |
| Effects of Mtn. pine beetle and forest mgmt on water quantity, quality, & forest recovery N.P. and Upper CO River basins | \$212,306 | \$164,618 | \$376,923 |
| Town of Walden Water Supply Improvement Project | \$385,000 | | \$385,000 |
| MacFarlane Dam Rehabilitation Project | \$500,000 | \$100,000 | \$600,000 |
| Name of Water Activity | Basin Account | Statewide Account | Total |
| Rio Grande Basin Total Request | \$2,501,147.00 | \$10,357,180.00 | \$12,858,327.00 |
| Alamosa River Watershed Restoration Project | | \$104,000 | |
| Preliminary Design Multi-use Rio Grande Reservoir Rehabilitation and Enlargement | | \$288,000 | \$288,000 |
| Hydrologic Recharge Feasibility Study for the Rio Grande Basin Augmentation- Phase I | \$8,000 | \$142,000 | \$150,000 |
| Culebra Watershed Vallejos Ditch Headgate Replacement | \$10,000 | \$90,000 | \$100,000 |
| Sanchez Reservoir Rehabilitation - Ph I Assess. & Upgrade | \$10,000 | \$85,000 | \$95,000 |
| Conejos River System Confluence Management Project | \$15,000 | \$280,000 | \$295,000 |
| Platoro Reservoir Crest of Dam Repair | \$15,000 | \$135,000 | \$150,000 |
| Rio Grande Initiative: North Rio Grande Ranch Conservation Easement | \$15,000 | \$55,000 | \$70,000 |
| Water 2012: The RG Basin Partnering for CO. Water Future | \$15,600 | | \$15,600 |
| Quantifying Mogote/Romero Flows & Effects on the Conejos System | \$16,700 | \$268,300 | \$285,000 |
| Conejos Groundwater Monitoring and Analysis | \$19,000 | \$200,000 | \$219,000 |
| Campbell-Ridden Property & Dugan Ranch Conservation Easement Projects | \$20,000 | \$130,000 | \$150,000 |
| Conejos River System Gauging Stations Project | \$20,000 | \$387,280 | \$407,280 |
| Plaza Project - Phase 3: Prairie Ditch Implementation Project | \$21,500 | \$408,500 | \$430,000 |
| Santa Maria Reservoir Siphon & Canal System Rehab. | \$23,000 | \$440,750 | \$463,750 |
| "Narrowing the Gap" for Colorado's Water Future | \$23,500 | | \$23,500 |



Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|---|---------------|-------------------|-------------|
| Rio Grande Basin continued | | | |
| Educating Today to Balance Tomorrow's Water Supplies & Needs | \$25,000 | | \$25,000 |
| RIO GRANDE - Mountain Home Reservoir Dam Outlet Works Upgrade Feasibility Study | \$25,000 | | \$25,000 |
| Rio Grande Initiative: Haywood Ranch Conservation Easement | \$25,000 | \$400,000 | \$425,000 |
| Kerber Creek Restoration Project - Middle Parcel | \$30,000 | | \$30,000 |
| Conservation Reserve CREP Phase II | \$31,500 | | \$31,500 |
| Solicitation of Stakeholders Input & Advice through publication of a Rio Grande Edition of Headwaters Magazine | \$33,237 | | \$33,237 |
| RIO GRANDE - Kerber Creek Restoration Project | \$34,871 | | \$34,871 |
| 2008 Rio Grande Riparian Stabilization Project | \$35,000 | \$250,000 | \$285,000 |
| Radar Monitoring & Hydrologic Modeling in the Upper RG Basin | \$37,000 | \$200,000 | \$237,000 |
| Drip Irrigation Field Trial for Sustainable Potato Cropping in the San Luis Valley | \$40,000 | | \$40,000 |
| San Luis Peoples Ditch Upgrade and Rehabilitation Project - Ph I | \$40,000 | | \$40,000 |
| The McDonald Ditch and Plaza Project, Phase I Planning | \$40,000 | | \$40,000 |
| Plaza Project 2: McDonald Ditch Implementation Project and Supplemental Funding | \$42,000 | \$684,000 | \$726,000 |
| Meeting the Rio Grande Basin Roundtable's Public Education & Public Outreach Goals | \$45,300 | | \$45,300 |
| Conejos River and North Branch Diversion and Stabilization | \$50,000 | \$333,700 | \$383,700 |
| Lower Willow Creek Restoration Project | \$50,000 | \$200,000 | \$250,000 |
| Platoro Reservoir Restoration | \$50,000 | \$200,000 | \$250,000 |
| 2009 Rio Grande Riparian Stabilization Project - Phase 4 | \$50,000 | \$98,000 | \$148,000 |
| Sangre de Cristo Trinchera Diversion Canal Restoration | \$50,000 | \$150,000 | \$200,000 |
| Santa Maria Reservoir Phase 2 - Continental Dam and Spillway Restoration | \$51,000 | \$962,750 | \$1,013,750 |
| Shortfall Request - Sangre de Cristo Trinchera Diversion Canal Restoration | \$54,000 | | \$54,000 |
| Lower Willow Creek Restoration Project: Phase 2 | \$55,000 | | \$55,000 |
| Sanchez Reservoir Phase 2 - Outlet Rehabilitation and Gate Tower Replacement | \$55,000 | \$859,400 | \$914,400 |
| Alamosa River In-stream Flow Project | \$64,500 | | \$64,500 |
| San Antonio River - El Codo Ditch Diversion and Rehabilitation | \$65,000 | | \$65,000 |
| Santa Maria and Continental Reservoirs: Rehabilitation and Multiple Use Studies | \$72,000 | \$141,700 | \$213,700 |
| Conejos North Branch Water Conservation and Management | \$75,000 | | \$75,000 |
| Terrace Reservoir Spillway Replacement | \$75,000 | \$1,425,000 | \$1,500,000 |
| Romero-Guadalupe Channel Rectification Project | \$83,700 | | \$83,700 |
| RIO GRANDE - Increasing the Water Holding Capacity of Soil for Agricultural Sustainability in the San Luis Valley | \$98,200 | | \$98,200 |
| Rio Grande County Hydro geologic Study | \$99,564 | | \$99,564 |
| RIO GRANDE - Rehabilitation and Ditch Lining | \$100,000 | | \$100,000 |
| Rio Grande Reservoir Multi-Use Rehabilitation: Refinement and Enhancement of Reservoir Reoperation and Optimization Model | \$100,000 | | \$100,000 |
| Rio Grande Initiative | \$200,000 | \$1,300,000 | \$1,500,000 |
| Rio Grande Basin Implementation Plan and Phase 2 | \$286,975 | \$138,800 | \$425,775 |

Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|---|-----------------------|-----------------------|-----------------------|
| South Platte Basin Total Request | \$1,562,056.90 | \$3,249,280.24 | \$4,811,337.14 |
| Alluvial Aquifer Accretion/Depletion Analysis Tool | | \$200,000 | \$200,000 |
| Development of Decision Support Model for Identifying & Ranking Waterfowl and Wildlife Related Recharge Projects along the South Platte River | | \$85,421 | \$85,421 |
| Lower South Platte Wetland Initiative Phase I South Platte River, CO | | | |
| S.P. Water protection and restoration | | \$825,552 | \$825,552 |
| SOUTH PLATTE - Upper Platte and Beaver/Deuel and Snyder Feasibility Study | \$46,875 | \$46,875 | \$93,875 |
| SOUTH PLATTE Economic Analysis and Design of Policies to Reduce Colorado's Groundwater Use in the Northern High Plains Ground Water Basin | \$7,994 | \$151,888 | \$159,882 |
| Water Infrastructure and Supply Efficiency (WISE) Partnership: Conjunctive Use Infrastructure | \$15,000 | \$11,429 | \$26,429 |
| Water Development of the Bureau of Reclamation properties, known as the Narrows Tract, along the South Platte River | \$15,554 | \$121,633 | \$137,187 |
| Arickaree River Well retirement program, Republican River basin, CO. | \$19,984 | \$79,936 | \$99,920 |
| Colorado Agricultural Meteorological Network (CoAgMet) | \$20,000 | | \$20,000 |
| Agricultural Land/Water Buffer Feasibility Analysis | \$20,000 | \$84,954 | \$104,954 |
| Water Information Dashboards for Improved Efficiency, South Platte Basin and Statewide | \$20,000 | \$200,000 | \$220,000 |
| Green Ditch Rehabilitation and Fish Passage Project | \$25,000 | \$220,000 | \$245,000 |
| Halligan Seaman Water Mgmt project share vision planning model | \$25,435 | \$76,305 | \$101,740 |
| Chatfield Reallocation EIS/FR (Metro BRT contrib. \$103,000) | \$27,000 | | \$27,000 |
| State Land Board South Platte Recharge Study | \$33,663 | | \$33,663 |
| South Platte River Phreatophyte Control Pilot | \$35,000 | \$30,000 | \$65,000 |
| Swede Lake Dam & Reservoir Rehabilitation | \$40,000 | \$160,000 | \$200,000 |
| Weld County School Dist RE1 Wetland Partnership | \$42,110 | | \$42,110 |
| Prewitt Reservoir Wetland Partnership | \$45,414 | \$45,414 | \$90,828 |
| Data Logger and Telemetry Installation Project | \$46,000 | | \$46,000 |
| Demonstration of Membrane Zero Liquid Discharge Process for Drinking Water Systems | \$48,293 | \$218,374 | \$266,667 |
| Stage Discharge Data Loggers and Telemetry | \$48,800 | | \$48,800 |
| Clear Creek Water Banking/High Altitude Storage | \$52,000 | | \$52,000 |
| Little Thompson Watershed Needs Assessment | \$60,000 | | \$60,000 |
| Lower South Platte Water Cooperative Organizational Analysis | \$60,977 | \$200,000 | \$260,977 |
| Data Logger Installation Project, South Platte River Basin | \$88,958 | | \$88,958 |
| South Platte & Metro Integrated Basin Implementation Plan - Nonconsumptive | \$142,000 | \$71,500 | \$213,500 |
| Central South Platte Wetland Partnership | \$150,000 | | \$150,000 |
| Ovid Reservoir Comprehensive Feasibility Study | \$176,000 | | \$176,000 |
| FMRIco Recharge & Wetlands Project | \$250,000 | \$420,000 | \$670,000 |



Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|---|-----------------------|-----------------------|-----------------------|
| Southwest Basin Total Request | \$2,089,376.00 | \$6,761,966.25 | \$8,851,342.25 |
| Canal Seepage Reduction Program | | \$775,000 | \$775,000 |
| Canal Seepage Reduction Project | | \$225,000 | \$225,000 |
| Dry Gulch Reservoir/San Juan Reservoir Land Acquisition | | \$1,000,000 | \$1,000,000 |
| La Plata Archuleta Water District Permitting | | \$400,000 | \$400,000 |
| Lower Blanco River Restoration Project | | \$150,000 | \$150,000 |
| SOUTHWEST - La Plata River Water Resources Operations Model and SUPPLEMENTAL FUNDING | | \$155,749 | \$155,749 |
| Goodman Point Water Association Pipeline Environmental Assessment | \$7,700 | | \$7,700 |
| Animas River Diversion Headgate Monitoring Study | \$14,500 | | \$14,500 |
| Upper Dolores CAMP (Coldwater Fisheries Adaptive Management Plan) | \$15,000 | | \$15,000 |
| Red Mesa Dam & Reservoir – Spillway Alternatives Analysis | \$19,400 | | \$19,400 |
| Goodman Point Phase 2 | \$20,000 | \$240,000 | \$260,000 |
| McElmo Flume Rehabilitation Project | \$20,000 | | \$20,000 |
| SOUTHWEST - Animas Airpark Water Distribution System | \$20,000 | | \$20,000 |
| SOUTHWEST - Mancos River Habitat and Diversion Project - Phase 2 | \$20,000 | \$99,340 | \$119,340 |
| Town of Rico Alluvium Pipeline Water Supply Project - Well Drilling and Water Quality Testing | \$20,000 | \$80,000 | \$100,000 |
| Animas Valley Ditch & Water Co. Emergency Ditch Repair | \$23,000 | | \$23,000 |
| Southwest Basin Implementation Plan- Phase 2 | \$24,000 | \$12,000 | \$36,000 |
| Mancos River Diversion Project, Phase I | \$24,753 | | \$24,753 |
| A Way Forward: The Dolores River Below McPhee Reservoir | \$25,000 | | \$25,000 |
| Construction of Municipal Water Distribution Pipeline and Related Facilities | \$25,000 | \$475,000 | \$500,000 |
| Domestic Water System Construction | \$25,000 | | \$25,000 |
| La Plata Cherry Creek Ditch Headgate Improvement Project | \$25,000 | | \$25,000 |
| Pagosa Lakes Area Village Lake Dam Outlet Pipe Repair Project | \$25,000 | | \$25,000 |
| Recreational Plan for Lake Nighthorse | \$25,000 | | \$25,000 |
| SOUTHWEST - Geothermal Greenhouse Partnership Project | \$25,000 | \$50,000 | \$75,000 |
| SOUTHWEST - La Plata County Palo Verde PID #3 Water Delivery Project | \$25,000 | | \$25,000 |
| SOUTHWEST - Rehabilitation of the Old Fort at Herperus Water System | \$25,000 | | \$25,000 |
| SOUTHWEST -Telluride Pines Water Augmentation | \$25,000 | | \$25,000 |
| Town of Sawpit Engineering/Planning for Domestic Water System; Southwest Basin | \$25,000 | | \$25,000 |
| SOUTHWEST - Evaluation of Potential Infrastructure Upgrades | \$26,000 | | \$26,000 |
| Red Mesa Dam Incremental Damage Analysis (IDA) and Emergency Action Plan (EAP) | \$29,000 | | \$29,000 |
| Totten Reservoir Hydrographic Survey | \$29,500 | | \$29,500 |
| Aspen Springs Metro Water Filling Station | \$30,000 | | \$30,000 |



Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|---|-----------------------|---------------------|-----------------------|
| Southwest Basin continued | | | |
| Red Mesa Feasibility Study | \$30,000 | | \$30,000 |
| Thompson-Epperson Ditch Stabilization | \$30,000 | | \$30,000 |
| Town of Mountain Village 2015 Waterline Extension Project | \$30,000 | | \$30,000 |
| Ute Mountain Ute Tribe Water Conservation and Management Plan | \$30,000 | \$40,000 | \$70,000 |
| Protecting Irrigated Agricultural Lands and Water Rights for Agricultural Production | \$31,500 | | \$31,500 |
| Groundhog Reservoir Bathymetric Survey | \$35,000 | | \$35,000 |
| SOUTHWEST-Long Hollow Reservoir Compact Water Delivery Study | \$38,000 | | \$38,000 |
| Hess Lateral Improvement Project | \$38,750 | \$736,250 | \$775,000 |
| MVIC Summit Irrigation Company feasibility study | \$39,300 | | \$39,300 |
| Bauer Lakes Water Co. Dam Outlet Structure Upgrade | \$40,000 | | \$40,000 |
| Lake Durango Water Authority/ Source Water Infrastructure | \$50,000 | \$450,000 | \$500,000 |
| SOUTHWEST - Raw Water Pipeline Upgrade & Operations Funding | \$50,000 | \$500,000 | \$550,000 |
| SOUTHWEST - Redburn Ranch Diversion Dam Project | \$50,000 | \$98,500 | \$148,500 |
| Water System Well, Treatment System and Distribution Upgrades | \$50,000 | | \$50,000 |
| West Montrose County Reservoir | \$50,000 | \$250,000 | \$300,000 |
| Southwest Basin Implementation Plan | \$51,015 | \$25,127 | \$76,142 |
| Improved Water User, Conservation, Management and Operations through the Implementation of Water Accounting Software | \$52,500 | | \$52,500 |
| Animas River Needs Assessment | \$57,000 | | \$57,000 |
| Raw Water System Update and Future Needs Study | \$58,458 | | \$58,458 |
| Jackson Gulch Reservoir Expansion Project | \$80,000 | | \$80,000 |
| Park Ditch Improvements | \$85,000 | | \$85,000 |
| Molas Lake Ditch Rehabilitation and Diversion Structures | \$95,000 | | \$95,000 |
| Ditch Loss, Hydropower, and Monitoring Improvement Program | \$100,000 | | \$100,000 |
| La Plata West Rural Water Supply System | \$100,000 | \$1,000,000 | \$1,100,000 |
| Lower Blanco River Restoration Project | \$100,000 | | \$100,000 |
| Water System Master Planning | \$100,000 | | \$100,000 |
| Name of Water Activity | Basin Account | Statewide Account | Total |
| Yampa/White Basin Total Request | \$1,799,440.35 | \$473,491.57 | \$2,272,931.92 |
| Water Infrastructure and Supply Efficiency (WISE) Partnership: Conjunctive Use Infrastructure | \$10,000 | \$11,429 | \$21,429 |
| Development and Implementation of Water Forums, Workshop, and/or Tours | \$10,000 | | \$10,000 |
| Improvement of Lysemeter Operations & Consumptive Use Quantification in High-Altitude Irrigated Meadows in the Yampa /White Basin | \$10,000 | \$10,978 | \$20,978 |
| Rangely Irrigation System Master Plan Study | \$12,500 | | \$12,500 |



Water Supply Reserve Account Applications Approved by the CWCB Board

| Name of Water Activity | Basin Account | Statewide Account | Total |
|---|---------------|-------------------|-----------|
| Yampa/White Basin Continued | | | |
| Yampa White Green Basin Roundtable Phase II Agricultural Needs/Return Flow Preliminary Assessment | \$13,250 | | \$13,250 |
| YAMPA - Armstrong Creek Restoration Project | \$15,000 | \$35,000 | \$50,000 |
| Sparks Reservoir | \$16,000 | | \$16,000 |
| Headwaters Magazine - January 2010 | \$20,000 | | \$20,000 |
| Sandwash basin coal bed methane production depletive effects on water resources | \$20,000 | \$98,835 | \$118,835 |
| Upper Yampa Water Conservancy District Master Plan Modeling | \$25,000 | | \$25,000 |
| YAMPA - Development & Implementation of Water Education & Networking 3 year Program of Discussions, Forums, Workshops Tours | \$30,000 | | \$30,000 |
| YAMPA - White River-Highland Ditch Diversion & Headgate Redesign | \$30,000 | | \$30,000 |
| Morrison Creek Reservoir Feasibility Study | \$49,500 | | \$49,500 |
| Yampa River Structures Project | \$50,000 | | \$50,000 |
| Yampa-White Basin Projects and Methods Analysis | \$58,000 | \$152,000 | \$210,000 |
| Town of Yampa Water Facilities Plan and storage tank upgrades | \$61,062 | | \$61,062 |
| White River Storage Feasibility Study | \$67,500 | \$67,500 | \$135,000 |
| YAMPA - White River Storage Study - Phase 2 | \$97,750 | \$97,750 | \$195,500 |
| Common Data Repository | \$106,600 | | \$106,600 |
| Yampa White Basin Nonconsumptive Needs Assessment Watershed Flow Evaluation Tool | \$169,002 | | \$169,002 |
| Stillwater Reservoir Seepage Project | \$189,000 | | \$189,000 |
| Agricultural Water Needs Assessment | \$201,410 | | \$201,410 |
| Yellow Jacket Water Storage Feasibility Study | \$220,800 | | \$220,800 |
| YAMPA - Yampa/White Basin Implementation Plan | \$317,066 | | \$317,066 |

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COLORADO

Colorado Water Conservation Board

Department of Natural Resources

John W. Hickenlooper
Governor

Mike King
DNR Executive Director

James Eklund
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For more information, please contact:

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