



**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

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**TO:** Colorado Water Conservation Board Members

**FROM:** Lauren Ris, Deputy Director

**DATE:** May 23-24, 2018 Board Meeting

**AGENDA ITEM:** 31. Water Plan Grants - Overview

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**(This item is for information only - No action is required)**

### **Introduction**

This agenda item will provide the Board with an overview of the Water Plan Grant review and approval process and timeline. Water Plan Grants (WPGrants) reviewed at this Board meeting only include applications to be considered for final approval.

### **Background**

The 2017 Projects Bill (HB17-1248) included \$10 million for the Board to begin implementation of Colorado's Water Plan (CWP). The Bill included \$1 million for the SWSI Update work, leaving \$9 million for grants for projects or activities that specifically have the potential to achieve the measurable objectives identified in CWP.

The WPGrant approval process spans two Board meetings, including an initial review followed by final Board approval. The first application deadline was August 1, 2017 and the grants were approved at the November Board meeting. The second round of applications was received on October 1, 2017 and were approved at the January Board meeting. The third and final round of applications for this fiscal year were due February 1, 2018 and received initial consideration at the March Board meeting.

During the review process, some applications were withdrawn and some applications needed additional time or detail before a full assessment could be made. Staff offered to work with applicants to assist with missing or incomplete information.

The agenda items that follow are based on the categories identified for WPGrant funding in the 2017 Projects Bill. Staff provided a presentation on each of the projects or activities at the March 2018 Board meeting, including how it advances the measurable objectives of CWP. Staff will be asking the Board for block approval of the grants in each category, unless separate votes are requested by the Board.

Grants that receive final approval today will begin the contracting process. Applicants are expected to enter into a contract within six months of approval.

Table 1 is a summary of the WPGrant categories, the total demand on each of the categories, and the remaining balances.



**Table 1. Funding Summary of WPGrant Categories**

<b>WPGrant Category</b>	<b>HB17-1248</b>	<b>Total Request</b>	<b>Total Recommended</b>	<b>Remaining Balance</b>
Agricultural	\$1,000,000	\$1,258,958	\$883,958	\$116,000
Storage	\$3,000,000	\$4,684,500	\$3,000,000	\$0
Supply Gap	\$2,000,000	\$2,353,643	\$1,947,051	\$52,900
Env/Recreation	\$1,000,000	\$2,798,761	\$998,998	\$1,000
Conservation	\$1,000,000	\$997,754	\$997,754	\$2,200
Innov/Outreach	\$1,000,000	\$1,085,913	\$999,869	\$100

Attached to this memo is the list of projects or activities that were previously approved by the Board and the action or position taken on each.

Water Plan Grant Applications - Rounds 1 through 3							
Applicant	Project	Primary	WPGGrant Request Amount	Total Project Cost	WPGGrant Supported Amount	Type	Action (Staff Recommendation)
Fruitland Irrigation Company	Fruitland Irrigation Renovation Project	Agriculture	\$500,000	\$10,455,554	\$350,000	Construction	Approved Nov 2017
La Plata Water Conservancy District	Bobby K Taylor Reservoir Recharge Pits	Agriculture	\$35,000	\$70,000	\$35,000	Construction	Approved Nov 2017
Treanor Enterprise Ditch Company	Treanor Ditch Lining Project	Agriculture	\$17,000	\$30,000	\$17,000	Construction	Approved Nov 2017
Colorado River Water Conservation District	Silt Water Conservancy District Agricultural Infrastructure Improvement Project	Agriculture	\$200,000	\$4,710,000	\$100,000	Construction	Approved Jan 2018
Ducks Unlimited, Inc	North Park Irrigated Meadows Infrastructure Improvements	Agriculture	\$150,000	\$300,000	\$75,000	Construction	Approved Jan 2018
Colorado River Water Conservation District	Fire Mountain Canal Regulating Reservoir	Agriculture	\$100,000	\$3,132,000	\$50,000	Construction	Approved Jan 2018
Fire Mountain Canal & Reservoir Co.	Automation, Remote Monitoring & SCADA to Improve System Efficiency	Agriculture	\$26,055	\$58,690	\$26,055	Construction	Supported
Florida Consolidated Ditch Company	Florida Canal Structure Rehabilitation Project: Phase 2	Agriculture	\$120,000	\$1,580,000	\$120,000	Construction	Supported
San Luis Valley WCD	Rio Grande Basin Soil Moisture Pilot Project	Agriculture	\$20,000	\$43,000	\$20,000	Study	Supported
Arkansas River Watershed Collaborative	Arkansas Basin Project Implementation Guide to Watershed Health	Agriculture	\$90,903	\$125,903	\$90,903	Study	Supported
<b>Total Agriculture</b>			<b>\$1,258,958</b>		<b>\$883,958</b>		
Dominion Water & Sanitation District	Regional Factors in Precipitation Harvesting	Cons & LU	\$54,000	\$108,000	\$54,000	Study&IPP	Approved Nov 2017
Peak Spatial Enterprises/Chambers Econ and Analytics	Water Information/Real Estate Water Disclosure Site	Cons & LU	\$60,000	\$127,500	\$60,000	Study&IPP	Approved Nov 2017
NWCCOG/QQ	Water savings measures in land use codes in the headwaters	Cons & LU	\$25,500	\$74,500	\$25,500	Study	Approved Jan 2018
WaterReuse Colorado	Development of Treatment and Monitoring Guidelines for Direct Potable Reuse in Colorado	Cons & LU	\$65,000	\$100,000	\$65,000	IPP	Approved Jan 2018
Colorado Springs Utilities	Homebuyer Landscape Outreach Program	Cons & LU	\$50,000	\$179,610	\$50,000	Other	Approved Jan 2018
Babbitt Ctr for Land & Water Policy, Getches-Wilkinson Ctr for Natl Resources	Guidance to Covered Entities for Land Use Planning Components of Water Efficiency Plans	Cons & LU	\$35,000	\$84,990	\$35,000	Study	Supported
Green Mountain Water & Sanitation Dist.	Customer Engagement & Analytics Tool	Cons & LU	\$72,000	\$144,000	\$72,000	Engagement	Supported
The Meadows Neighborhood Company	Targeted, Integrated Irrigation Efficiency Improvements and Mgmt and Turf Conversion for Reduced Water Use	Cons & LU	\$66,700	\$162,800	\$66,700	Study&Const	Supported
Year One, Inc. dba Mile High Youth Corps	Energy and Water Conservation Program	Cons & LU	\$99,964	\$124,169	\$99,964	Other	Supported
Sonoran Institute	Colorado Growing Water Smart	Cons & LU	\$398,000	\$896,122	\$398,000	Engagement	Supported
Western Resource Advocates (WRA)	Best Practices for Water Meter Retrofit Projects Financed by State Performance Contracts in CO	Cons & LU	\$52,500	\$152,875	\$52,500	Other	Supported
Western Resource Advocates (WRA)	Conservation Oriented Tap Fees: Guide and Workshop	Cons & LU	\$19,090	\$21,470	\$19,090	Other	Supported
<b>Total Conservation &amp; Land Use</b>			<b>\$997,754</b>		<b>\$997,754</b>		

Applicant	Project	Primary	WPGGrant Request Amount	Total Project Cost	WPGGrant Supported Amount	Type	Action (Staff Recommendation)
Arkansas River Basin Water Forum	Implementing the Education & Outreach Goals of the Arkansas Basin Implementation Plan through Education to Action Projects/Programs	Engagement	\$24,350	\$32,800	\$24,350	Engagement	Approved Nov 2017
Colorado Cattlemen's Association	Agriculture Water Collaborative	Engagement	\$76,200	\$152,400	\$76,200	Engagement	Approved Nov 2017
Colorado Foundation for Agriculture	Understanding Water Activity Book	Engagement	\$53,000	\$65,000	\$53,000	Engagement	Approved Nov 2017
Colorado Foundation for Water Education	Deepening Water Engagement through Expansion of the Water Educator Network and Citizen's Guides publication series	Engagement	\$110,000	\$134,000	\$109,984	Engagement	Approved Nov 2017
Colorado Open Lands	Enhancing the Colorado Water Plan through Comprehensive Education and Outreach	Engagement	\$61,750	\$110,250	\$61,750	Engagement	Approved Nov 2017
Denver Botanic Gardens	Water in the West: Exhibition & Outreach through the Gardens	Engagement	\$44,750	\$94,750	\$44,750	Engagement	Approved Nov 2017
Geothermal Greenhouse Partnership, Inc.	Community Garden and Innovation Greenhouses	Engagement	\$174,500	\$258,500	\$174,500	Construction	Approved Nov 2017
One World One Water Center at MSU Denver	WaterWise Circa 2018: Water Theatre Company	Engagement	\$10,225	\$13,255	\$10,225	Engagement	Approved Nov 2017
Open Water Foundation	TAP-IN	Engagement	\$54,000	\$64,000	\$54,000	Engagement	Approved Nov 2017
Roaring Fork Conservancy	River Center Education Programs	Engagement	\$50,000	\$134,000	\$50,000	Engagement	Approved Jan 2018
National Young Farmers Coalition	Training Young Farmers – Water Leaders	Engagement	\$33,080	\$41,280	\$33,080	Engagement	Approved Jan 2018
Middle Colorado Watershed Council	Colorado River Interpretive Center	Engagement	\$47,400	\$60,400	\$47,400	Engagement	Approved Jan 2018
Mancos Conservation District	Mancos Watershed Outreach/Data (MWOD) & School-based Outdoor Learning Lans (SOLL)	Engagement	\$81,250	\$181,621	\$81,250	Engagement	Approved Jan 2018
Colorado State University, Colorado Stormwater Center, Tyler Dell, PI	Investigation of Barriers to Policy for Low Impact Development	Engagement	\$10,000	\$12,500	\$10,000	Engagement	Approved Jan 2018
The Greenway Foundation	Clean River Design Challenge	Engagement	\$24,500	\$49,000	\$24,500	Engagement	Supported
Water Education Colorado	Design and Build Statewide, Data-Based Strategic Water Education Action Plan and Associated Tools	Engagement	\$47,000	\$84,087	\$47,000	Engagement	Supported
Left Hand Watershed Oversight Group	Stewardship Through Community Science	Engagement	\$36,000	\$136,398	\$36,000	Engagement	Supported
Denver South Transportation Management Association	InfraRed Plant Stress Monitoring Pilot	Engagement	\$19,350	\$38,700	\$19,350	Engagement	Supported
Sangre de Cristo Acequia Association	Preserving the Hispano Water Culture Curriculum	Engagement	\$7,500	\$45,500	\$7,500	Engagement	Supported
One World One Water Center at MSU Denver	Activating Colorado's Water Plan with Student Driven Innovation	Engagement	\$35,000	\$45,000	\$35,000	Engagement	Supported at reduced funding from Round 2
Southern Rocky Seed Network	Reducing Water Consumption with Native Seed Market - Feasibility	Engagement	\$86,058	\$138,508	\$0	Study	Not Supported
<b>Total Innovation &amp; Engagement</b>			<b>\$1,085,913</b>		<b>\$999,869</b>		

Applicant	Project	Primary	WPGGrant Request Amount	Total Project Cost	WPGGrant Supported Amount	Type	Action (Staff Recommendation)
American Whitewater	Assessing Nonconsumptive Rec Needs& Opportunities in the Rio Grande River Basin	Env & Rec	\$39,200	\$90,160	\$39,200	Study	Approved Nov 2017
Denver Botanic Gardens	South Platte River Basin Restoration Planning and Feasibility Study	Env & Rec	\$69,847	\$145,485	\$69,847	Study	Approved Nov 2017
Trout Unlimited	Needle Rock Ditch Diversion Modification	Env & Rec	\$20,000	\$40,000	\$20,000	Construction	Approved Nov 2017
Trout Unlimited	Windy Gap Reservoir Bypass Project	Env & Rec	\$1,950,000	\$16,139,684	\$325,237	Construction& IPP	Approved Nov 2017
Colorado Springs Utilities	Homestake Arkansas River Diversion Improvements	Env & Rec	\$300,000	\$7,650,000	\$200,000	Construction& IPP	Approved Jan 2018
Colorado Water Trust	McKinley Ditch Project	Env & Rec	\$66,000	\$140,300	\$66,000	Construction & Other	Approved Jan 2018
Trout Unlimited	Lower Tomichi Water Conservation Project	Env & Rec	\$150,000	\$300,000	\$75,000	Study and Other	Approved Jan 2018
Mountain Studies Institute	Animas River Removal and Replacement of Invasive Phreatophytes, Phase II	Env & Rec	\$48,714	\$121,495	\$48,714	Other	Supported
Rio Grande Watershed Emergency Action Coordination Team	Upper Rio Grande Environmental Restoration and Recreation Infrastructure Improvements	Env & Rec	\$55,000	\$171,705	\$55,000	IPP	Supported
City of Steamboat Springs	Fish Creek Critical Community Watershed Wildfire Protection Plan	Env & Rec	\$50,000	\$150,000	\$50,000	Study&IPP	Supported
Florida Consolidated Ditch Company	Florida Canal Diversion Structure Rehabilitation Project: Phase 2	Env & Rec	\$50,000	\$1,580,000	\$50,000	Study	Supported
<b>Total Environment &amp; Recreation</b>			<b>\$2,798,761</b>		<b>\$998,998</b>		
City of Walsenburg	City Lake Dam Rehabilitation and Enlargement	Storage	\$804,000	\$6,821,000	\$804,000	Construction	Approved Nov 2017 w/ condition
Colorado River Water Conservation District	Understanding local streamflow to quantify West Divide Project component yield	Storage	\$80,260	\$160,520	\$80,260	Study	Approved Nov 2017
City of Brighton	Erger's Augmentation Station	Storage	\$700,000	\$3,500,000	\$700,000	Construction	Approved Jan 2018
Ogilvy Irrigating and Land Company	Dredging Project	Storage	\$1,504,000	\$3,668,000	\$1,415,740	Construction	Supported at reduced funding
Jackson Lake Reservoir & Irrigation Company	Dredging Project	Storage	\$2,145,500	\$4,120,500	\$0	Construction	Withdrawn
Town of Georgetown	Dredging Project	Storage	\$1,035,000	\$2,070,000	\$0	Construction	Not supported
<b>Total Storage</b>			<b>\$6,268,760</b>		<b>\$3,000,000</b>		
Central Colorado Water Conservancy District	Walker Recharge Project	Sup & Dem	\$1,000,000	\$9,998,100	\$750,000	Construction	Approved Nov 2017
Conejos Water Conservancy District	Conejos Cooperative Project	Sup & Dem	\$314,643	\$349,643	\$158,051	Study&IPP	Approved Nov 2017
South Metro WISE Authority	WISE Binney Connection	Sup & Dem	\$80,000	\$250,000	\$80,000	Study&IPP	Approved Nov 2017
Town of Firestone Water Activity Enterprise	Modeling Reservoir Operations for Direct Reuse	Sup & Dem	\$71,500	\$160,100	\$71,500	Study	Approved Jan 2018
Colorado Springs Utilities	Homestake Arkansas River Diversion Improvements	Sup & Dem	\$500,000	\$7,650,000	\$500,000	Construction&IPP	Approved Jan 2018
St. Charles Mesa Water District	Long-Term Potable Water Supply to the Zinno Subdivision	Sup & Dem	\$75,000	\$1,180,587	\$75,000	Construction	Approved Jan 2018
Town of Castle Rock	Plum Creek Water Purification Facility Advanced Treatment	Sup & Dem	\$200,000	\$27,000,000	\$200,000	Construction	Supported
Pikes Peak Regional Water Authority	El Paso County Groundwater Depletions: Project Implementation Strategies to Meet the Sup & Dem Gap	Sup & Dem	\$112,500	\$225,000	\$112,500	Study&IPP	Supported
<b>Total Supply Demand</b>			<b>\$2,353,643</b>		<b>\$1,947,051</b>		