

1313 Sherman Street Denver, CO 80203

P (303) 866-3441 F (303) 866-4474 John Hickenlooper, Governor

Robert Randall, DNR Executive Director

Rebecca Mitchell, CWCB Director

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

(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 measureable 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During the review process, some applications were withdrawn and some applications needed additional time or detail before a full assessment could be made.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

WPGrant	HB17-1248	Total Request	Total	Remaining
Category			Recommended	Balance
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.

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Green Mountain Water & Customer Engagement & Analytics	Green Mountain Water &	Customer Engagement & Analytics						
	Sanitation Dist.		Cons & LU	\$72,000	\$144,000	\$72,000	Engagement	Supported
Targeted, Integrated Irrigation								
Efficiency Improvements and Mgmt								
The Meadows Neighborhood and Turf Conversion for Reduced								
			Cons & LU	\$66,700	\$162,800	\$66,700	Study&Const	Supported
Year One, Inc. dba Mile High Energy and Water Conservation			0	moo oc 4	£404.400	\$00.00 <i>t</i>	041	0
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Best Practices for Water Meter Western Resource Advocates Retrofit Projects Financed by State (WRA) Performance Contracts in CO Cons & LU \$52,500 \$152,875 \$52,500 Other Supp	(WRA)		Cons & LU	\$52,500	\$102,070	\$32,300	Other	Supported
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Applicant	Project	Primary	WPGrant Request Amount	Total Project Cost	WPGrant Supported Amount	Туре	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 Deepening Water Engagement	Engagement	\$53,000	\$65,000	\$53,000	Engagement	Approved Nov 2017
Colorado Foundation for Water Education Colorado Open Lands	through Expansion of the Water Educator Network and Citizen's Guides publication series Enhancing the Colorado Water Plan through Comprehensive Education and Outreach	Engagement Engagement	\$110,000 \$61,750	\$134,000 \$110,250	\$109,984 \$61,750	Engagement Engagement	Approved Nov 2017 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. One World One Water Center	Community Garden and Innovation Greenhouses WaterWise Circa 2018: Water	Engagement	\$174,500	\$258,500	\$174,500	Construction	Approved Nov 2017
at MSU Denver Open Water Foundation	Theatre Company TAP-IN	Engagement Engagement	\$10,225 \$54,000	\$13,255 \$64,000	\$10,225 \$54,000	Engagement Engagement	Approved Nov 2017 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
Total Innovation & Engageme	ent		\$1,085,913		\$999,869		

Applicant	Project	Primary	WPGrant Request Amount	Total Project Cost	WPGrant Supported Amount	Туре	Action (Staff Recommendation)
	Assessing Nonconsumptive Rec		Amount	0031	Amount		
	Needs& Opportunities in the Rio						
American Whitewater	Grande River Basin	Env & Rec	\$39,200	\$90,160	\$39,200	Study	Approved Nov 2017
	South Platte River Basin						
	Restoration Planning and				_		
Denver Botanic Gardens	Feasibility Study	Env & Rec	\$69,847	\$145,485	\$69,847	Study	Approved Nov 2017
	Needle Rock Ditch Diversion						
Trout Unlimited	Modification	Env & Rec	\$20,000	\$40,000	\$20,000	Construction	Approved Nov 2017
	Windy Gap Reservoir Bypass					Construction&	
Trout Unlimited	Project	Env & Rec	\$1,950,000	\$16,139,684	\$325,237	IPP	Approved Nov 2017
0 1 1 0 1 11075	Homestake Arkansas River	E 0.D		47 050 000	# 000 000	Construction&	
Colorado Springs Utilities	Diversion Improvements	Env & Rec	\$300,000	\$7,650,000	\$200,000	IPP	Approved Jan 2018
Colorada Watar Trust	Makintan Bitah Basinat	F 0 D	rcc 000	£4.40.000	# 00 000	Construction &	A d l 0040
Colorado Water Trust	McKinley Ditch Project Lower Tomichi Water Conservation	Env & Rec	\$66,000	\$140,300	\$66,000	Other	Approved Jan 2018
Trout I Inlimited		Env 9 Dee	£450,000	£200 000	Ф 7 Е 000	Chudu and Other	Approved Ion 2010
Trout Unlimited	Project Animas River Removal and	Env & Rec	\$150,000	\$300,000	\$75,000	Study and Other	Approved Jan 2018
	Replacement of Invasive			1			
Mountain Studies Institute	Phreatophytes, Phase II	Env & Poo	¢49 714	\$121,495	\$48,714	Other	Supported
Rio Grande Watershed	Upper Rio Grande Environmental	Env & Rec	\$48,714	Φ1∠1,495	ψ+0,/ 14	Ottiel	Supported
Emergency Action	Restoration and Recreation			1			
Coordination Team	Infrastructure Improvements	Env & Rec	\$55,000	\$171,705	\$55,000	IPP	Cummontod
Coordination ream	Fish Creek Critical Community	EIIV & Rec	\$55,000	\$171,705	\$55,000	IPP	Supported
City of Steamboat Springs	Watershed Wildfire Protection Plan	Env 9 Dee	\$50,000	\$150,000	\$50,000	Study&IPP	Cummontod
Florida Consolidated Ditch	Florida Canal Diversion Structure	EIIV & Rec	\$50,000	\$150,000	\$50,000	StudyalPP	Supported
Company	Rehabilitation Project: Phase 2	Env & Rec	\$50,000	\$1,580,000	\$50,000	Study	Supported
Company	Renabilitation Floject. Fliase 2	EIIV & NEC	\$30,000	\$1,360,000	\$30,000	Study	Supporteu
Total Environment & Recrea			\$2,798,761		\$998,998		
City of Walaanhuura	City Lake Dam Rehabilitation and	Charage	¢004.000	¢c 924 000	¢004.000	Construction	Approved Nov 2017
City of Walsenburg	Enlargement	Storage	\$804,000	\$6,821,000	\$804,000	Construction	w/ condition
Calarada Divar Water	Understanding local streamflow to						
Colorado River Water	quantify West Divide Project	04	#00.000	£400 500	#00.000	O4tu	A NI 0047
Conservation District City of Brighton	component yield Erger's Augmentation Station	Storage	\$80,260 \$700.000	\$160,520	\$80,260 \$700,000	Study Construction	Approved Nov 2017 Approved Jan 2018
Ogilvy Irrigating and Land	Erger's Augmentation Station	Storage	\$700,000	\$3,500,000	\$700,000	Construction	Supported at
Oglivy irrigating and Land Company	Dredging Project	04	£4 504 000	#0.000.000	C4 445 740	0	reduced funding
Jackson Lake Reservoir &	Dreaging Project	Storage	\$1,504,000	\$3,668,000	\$1,415,740	Construction	reduced runding
Irrigation Company	Dradaina Brainet	Ctoroso	CO 145 500	£4 400 500	\$0	Construction	M/ith drougs
	Dredging Project	Storage	\$2,145,500	\$4,120,500		Construction	Withdrawn
				CO OZO ODO	r o	Construction	
Town of Georgetown	Dredging Project	Storage	\$1,035,000	\$2,070,000	\$0	Construction	Not supported
Town of Georgetown Total Storage	Dredging Project	Storage	\$1,035,000 \$6,268,760	\$2,070,000	\$0 \$3,000,000	Construction	Not supported
Total Storage Central Colorado Water			\$6,268,760		\$3,000,000		
Total Storage Central Colorado Water Conservancy District	Walker Recharge Project	Storage Sup & Dem		\$2,070,000		Construction	
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy	Walker Recharge Project	Sup & Dem	\$6,268,760 \$1,000,000	\$9,998,100	\$3,000,000 \$750,000	Construction	Approved Nov 2017
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District	Walker Recharge Project Conejos Cooperative Project	Sup & Dem	\$6,268,760 \$1,000,000 \$314,643	\$9,998,100 \$349,643	\$3,000,000 \$750,000 \$158,051	Construction Study&IPP	Approved Nov 2017 Approved Nov 2017
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection	Sup & Dem	\$6,268,760 \$1,000,000	\$9,998,100	\$3,000,000 \$750,000	Construction	Approved Nov 2017
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Town of Firestone Water	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for	Sup & Dem Sup & Dem Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000	\$9,998,100 \$349,643 \$250,000	\$3,000,000 \$750,000 \$158,051 \$80,000	Construction Study&IPP Study&IPP	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse	Sup & Dem	\$6,268,760 \$1,000,000 \$314,643	\$9,998,100 \$349,643	\$3,000,000 \$750,000 \$158,051	Construction Study&IPP Study&IPP Study	Approved Nov 2017 Approved Nov 2017
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Town of Firestone Water Activity Enterprise	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse Homestake Arkansas River	Sup & Dem Sup & Dem Sup & Dem Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000 \$71,500	\$9,998,100 \$349,643 \$250,000 \$160,100	\$3,000,000 \$750,000 \$158,051 \$80,000 \$71,500	Construction Study&IPP Study&IPP Study Construction&IP	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017 Approved Jan 2018
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Town of Firestone Water Activity Enterprise Colorado Springs Utilities	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse Homestake Arkansas River Diversion Improvements	Sup & Dem Sup & Dem Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000	\$9,998,100 \$349,643 \$250,000	\$3,000,000 \$750,000 \$158,051 \$80,000	Construction Study&IPP Study&IPP Study	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017
Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Town of Firestone Water Activity Enterprise Colorado Springs Utilities St. Charles Mesa Water	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse Homestake Arkansas River Diversion Improvements Long-Term Potable Water Supply	Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000 \$71,500 \$500,000	\$9,998,100 \$349,643 \$250,000 \$160,100 \$7,650,000	\$3,000,000 \$750,000 \$158,051 \$80,000 \$71,500 \$500,000	Construction Study&IPP Study&IPP Study Construction&IP P	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017 Approved Jan 2018 Approved Jan 2018
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Town of Firestone Water Activity Enterprise	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse Homestake Arkansas River Diversion Improvements Long-Term Potable Water Supply to the Zinno Subdivision	Sup & Dem Sup & Dem Sup & Dem Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000 \$71,500	\$9,998,100 \$349,643 \$250,000 \$160,100	\$3,000,000 \$750,000 \$158,051 \$80,000 \$71,500	Construction Study&IPP Study&IPP Study Construction&IP	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017 Approved Jan 2018
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Town of Firestone Water Activity Enterprise Colorado Springs Utilities St. Charles Mesa Water District	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse Homestake Arkansas River Diversion Improvements Long-Term Potable Water Supply to the Zinno Subdivision Plum Creek Water Purification	Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000 \$71,500 \$500,000	\$9,998,100 \$349,643 \$250,000 \$160,100 \$7,650,000 \$1,180,587	\$3,000,000 \$750,000 \$158,051 \$80,000 \$71,500 \$500,000 \$75,000	Construction Study&IPP Study&IPP Study Construction&IP P Construction	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017 Approved Jan 2018 Approved Jan 2018 Approved Jan 2018
Colorado Springs Utilities Colorado Springs Utilities Conejos Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Fown of Firestone Water Activity Enterprise Colorado Springs Utilities St. Charles Mesa Water District	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse Homestake Arkansas River Diversion Improvements Long-Term Potable Water Supply to the Zinno Subdivision Facility Advanced Treatment	Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000 \$71,500 \$500,000	\$9,998,100 \$349,643 \$250,000 \$160,100 \$7,650,000	\$3,000,000 \$750,000 \$158,051 \$80,000 \$71,500 \$500,000 \$75,000	Construction Study&IPP Study&IPP Study Construction&IP P	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017 Approved Jan 2018 Approved Jan 2018
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Town of Firestone Water Activity Enterprise Colorado Springs Utilities St. Charles Mesa Water District	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse Homestake Arkansas River Diversion Improvements Long-Term Potable Water Supply to the Zinno Subdivision Plum Creek Water Purification Facility Advanced Treatment El Paso County Groundwater	Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000 \$71,500 \$500,000	\$9,998,100 \$349,643 \$250,000 \$160,100 \$7,650,000 \$1,180,587	\$3,000,000 \$750,000 \$158,051 \$80,000 \$71,500 \$500,000 \$75,000	Construction Study&IPP Study&IPP Study Construction&IP P Construction	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017 Approved Jan 2018 Approved Jan 2018 Approved Jan 2018
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Town of Firestone Water Activity Enterprise Colorado Springs Utilities St. Charles Mesa Water District Town of Castle Rock	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse Homestake Arkansas River Diversion Improvements Long-Term Potable Water Supply to the Zinno Subdivision Plum Creek Water Purification Facility Advanced Treatment El Paso County Groundwater Depletions: Project Implementation	Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000 \$71,500 \$500,000	\$9,998,100 \$349,643 \$250,000 \$160,100 \$7,650,000 \$1,180,587	\$3,000,000 \$750,000 \$158,051 \$80,000 \$71,500 \$500,000 \$75,000	Construction Study&IPP Study&IPP Study Construction&IP P Construction	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017 Approved Jan 2018 Approved Jan 2018 Approved Jan 2018
Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Town of Firestone Water Activity Enterprise Colorado Springs Utilities St. Charles Mesa Water District Town of Castle Rock	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse Homestake Arkansas River Diversion Improvements Long-Term Potable Water Supply to the Zinno Subdivision Plum Creek Water Purification Facility Advanced Treatment EI Paso County Groundwater Depletions: Project Implementation Strategies to Meet the Sup & Dem	Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000 \$71,500 \$500,000 \$75,000	\$9,998,100 \$349,643 \$250,000 \$160,100 \$7,650,000 \$1,180,587 \$27,000,000	\$3,000,000 \$750,000 \$158,051 \$80,000 \$71,500 \$500,000 \$75,000 \$200,000	Construction Study&IPP Study&IPP Study Construction&IP P Construction Construction	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017 Approved Jan 2018 Approved Jan 2018 Approved Jan 2018 Approved Jan 2018
Total Storage Central Colorado Water Conservancy District Conejos Water Conservancy District South Metro WISE Authority Town of Firestone Water Activity Enterprise Colorado Springs Utilities St. Charles Mesa Water District Town of Castle Rock	Walker Recharge Project Conejos Cooperative Project WISE Binney Connection Modeling Reservoir Operations for Direct Reuse Homestake Arkansas River Diversion Improvements Long-Term Potable Water Supply to the Zinno Subdivision Plum Creek Water Purification Facility Advanced Treatment El Paso County Groundwater Depletions: Project Implementation	Sup & Dem	\$6,268,760 \$1,000,000 \$314,643 \$80,000 \$71,500 \$500,000	\$9,998,100 \$349,643 \$250,000 \$160,100 \$7,650,000 \$1,180,587	\$3,000,000 \$750,000 \$158,051 \$80,000 \$71,500 \$500,000 \$75,000	Construction Study&IPP Study&IPP Study Construction&IP P Construction	Approved Nov 2017 Approved Nov 2017 Approved Nov 2017 Approved Jan 2018 Approved Jan 2018 Approved Jan 2018