



TO: Colorado Water Conservation Board Members

FROM: Kirk Russell, P.E., Finance Section Chief

DATE: September 20-21, 2017 Board Meeting

AGENDA ITEM: 6. Water Plan Grants - Overview

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

Introduction

This agenda item will provide the Board with the framework and background regarding the Staff's approach to reviewing and processing the first round of Colorado Water Plan Grant (WPGrant) applications. It will also include an update on the potential applications that the Board may see in the near future.

Background

The 2017 Projects Bill (HB17-1248) includes \$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 specifically identified projects or activities that have the potential to achieve the measureable objectives identified in the CWP.

The staff's and Board's goal is to achieve the highest and best use of the Water Plan grant funds while understanding that projects ideally aligned with advancing the Measurable Objectives in the CWP may not be ready for an application at this time. Staff made available to applicants an option to identify in their application as an "Intent to Apply" status. This provides the Board with an indication of future funding needs and allows for staff to assess future applications with the currently submitted applications.

The first round of applications were due on August 1, 2017 with a second and third round of application deadlines of October 1, 2017 and February 1, 2018. Staff has reviewed and processed the August 1 applications which totaled \$8.9 million and is prepared to present projects or activities that staff deems worthy of CWCB's WPGrant funding and those that are not.

This meeting is the first of a two meeting review and approval process by staff and the Board. Staff will present their opinion of the project or activity and indicate a "supported" or "not supported" position. The Board is asked to provide feedback and guidance. Those projects or activities that require additional vetting as a result of discussion at this meeting will be presented again at the November 2017 Board meeting for final consideration.

During the review process some applications were withdrawn and some applications needed additional time or detail before a full assessment could be made. Applications that required additional time were recommended to be moved to an "Intent to Apply" status. Staff has offered to work with the applicant to assist with the missing or incomplete information.



The agenda items that follow are based on the categories identified for WPGGrant funding in the 2017 Projects Bill. Staff will provide a short description of the project or activity and describe how it advances the measurable objectives of the CWP. If the Board agrees with the staff's determination as a "supported" project or activity, the project will advance to the November meeting for final approval.

HB17-1248

HB17-1248 provides an appropriation for the following categories and amounts.

\$1,000,000 to provide technical assistance or improve agricultural efficiency;
\$3,000,000 to facilitate the development of additional storage, artificial recharge into aquifers, and dredging existing reservoirs to restore the reservoirs' full decreed storage capacity;
\$2,000,000 for multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap;
\$1,000,000 for watershed health, environment, and recreation;
\$1,000,000 to implement long-term strategies for conservation, land use, and drought planning;
\$1,000,000 for water education, outreach, and innovation efforts.

Attached to this memo is the list of projects or activities that were submitted on August 1, 2017 and the action or position the staff has taken on each.

Attachment - List of Applications and Intent to Apply

Water Plan Grant Applications- Received August 1, 2017

	Applicant	Project	Primary	WPGGrant Request Amount	Total Project Cost	WPGGrant Supported Amount	Type	Action
A-1	Fruitland Irrigation Company	Fruitland Irrigation Renovation Project	Agriculture	\$500,000	\$10,455,554	\$350,000	Construction	Supported at reduced funding
A-2	La Plata Water Conservancy District	Bobby K Taylor Reservoir Recharge Pits	Agriculture	\$35,000	\$70,000	\$35,000	Construction	Supported
A-3	Treanor Enterprise Ditch Company	Treanor Ditch Lining Project	Agriculture	\$17,000	\$30,000	\$17,000	Construction	Supported
Total Agricultural				\$552,000		\$402,000		
L-1	Avery Ellis - Colorado Greywater LLC	Laundry to Landscape Graywater Project	Cons & LU	\$350,000	\$400,000	\$0	Study&IPP	Not Supported
L-2	Dominion Water & Sanitation District	Regional Factors in Precipitation Harvesting	Cons & LU	\$54,000	\$108,000	\$54,000	Study&IPP	Supported
L-3	Peak Spatial Enterprises/Chambers Econ and Analytics	Water Information/Real Estate Water Disclosure Site	Cons & LU	\$60,000	\$127,500	\$60,000	Study&IPP	Supported
Total Conservation & Land Use				\$464,000		\$114,000		
O-1	Arkansas River Basin Water Forum	Implementing the Education & Outreach Goals of the Arkansas Basin Implementation Plan through Education to Action Projects/Programs	Engagement	\$29,400	\$60,175	\$24,350	Engagement	Supported at reduced funding
O-2	Colorado Cattlemen's Association	Agriculture Water Collaborative	Engagement	\$152,400	\$309,800	\$76,200	Engagement	Supported at reduced funding
O-3	Colorado Foundation for Agriculture	Colorado Reader – Water Colorado's Life Blood	Engagement	\$12,000	\$15,000	\$0	Engagement	Withdrawn

O-4	Colorado Foundation for Agriculture	Understanding Water Activity Book	Engagement	\$65,000	\$65,000	\$64,000	Engagement	Supported at reduced funding
O-5	Colorado Foundation for Water Education	Deepening Water Engagement through Expansion of the Water Educator Network and Citizen's Guides publication series	Engagement	\$174,000	\$215,000	\$110,000	Engagement	Supported at reduced funding
O-6	Colorado Open Lands	Enhancing the Colorado Water Plan through Comprehensive Education and Outreach	Engagement	\$85,750	\$326,750	\$61,750	Engagement	Supported at reduced funding
O-7	Denver Botanic Gardens	Water in the West: Exhibition & Outreach through the Gardens	Engagement	\$44,750	\$94,750	\$44,750	Engagement	Supported
O-8	Geothermal Greenhouse Partnership, Inc.	Community Garden and Innovation Greenhouses	Engagement	\$186,000	\$270,000	\$174,500	Construction	Supported at reduced funding
O-9	One World One Water Center at MSU Denver	WaterWise Circa 2018: Water Theatre Company	Engagement	\$10,225	\$15,725	\$10,225	Engagement	Supported
O-10	Open Water Foundation	TAP-IN	Engagement	\$60,000	\$70,000	\$54,000	Engagement	Supported
Total Innovation & Engagement				\$819,525		\$619,775		

R-1	American Whitewater	Assessing Nonconsumptive Rec Needs & Opportunities in the Arkansas River Basin	Env & Rec	\$48,600	\$111,780	-	Study	Move to Intent to Apply
R-2	American Whitewater	Assessing Nonconsumptive Rec Needs & Opportunities in the Gunnison River Basin	Env & Rec	\$42,100	\$96,830	-	Study	Move to Intent to Apply
R-3	American Whitewater	Assessing Nonconsumptive Rec Needs& Opportunities in the Rio Grande River Basin	Env & Rec	\$39,200	\$90,160	\$39,200	Study	Supported
R-4	American Whitewater	Assessing Nonconsumptive Recl Needs & Opportunities in the South Platte River Basin	Env & Rec	\$86,100	\$198,030	-	Study	Move to Intent to Apply
R-5	Denver Botanic Gardens	South Platte River Basin Restoration Planning and Feasibility Study	Env & Rec	\$69,847	\$145,485	\$69,847	Study	Supported
R-6	Pueblo Conservancy District	Arkansas River and Wildhorse Creek Levees	Env & Rec	\$500,000	\$1,400,000	-	Construction	Move to Intent to Apply
R-7	Purgatoire Watershed Partnership	Trinidad River Walk Improvement Project	Env & Rec	\$425,400	\$755,400	-	Construction & IPP	Move to Intent to Apply
R-8	The Nature Conservancy	Freshwater Implementation Network & Decision Support Tool	Env & Rec	\$91,190	\$182,380	-	Study&IPP	Move to Intent to Apply
R-9	Town of Hot Sulphur Springs	Park Street	Env & Rec	\$50,000	\$72,500	\$0	Study&Const	Withdrawn
R-10	Trout Unlimited	Needle Rock Ditch Diversion Modification	Env & Rec	\$20,000	\$40,000	\$20,000	Construction	Supported
R-11	Trout Unlimited	Windy Gap Reservoir Bypass Project	Env & Rec	\$1,950,000	\$16,139,684	\$325,237	Construction & IPP	Supported
Total Environmental & Recreation				\$3,322,437		\$454,284		

S-1	City of Walsenburg	City Lake Dam Rehabilitation and Enlargement	Storage	\$804,000	\$6,821,000	\$804,000	Construction	Supported
S-2	Colorado River Water Conservancy District	Understanding local streamflow to quantify West Divide Project component yield	Storage	\$80,260	\$160,520	\$80,260	Study	Supported
S-3	Fort Lyon Canal Company	Adobe Creek Dam Rehabilitation and Enlargement	Storage	\$1,500,000	\$10,000,000	-	Construction	Move to Intent to Apply
Total Storage				\$2,384,260		\$884,260		
G-1	Central Colorado Water Conservancy District	Walker Recharge Project	Sup & Dem	\$1,000,000	\$9,998,100	\$750,000	Construction	Supported at reduced funding
G-2	Conejos Water Conservancy District	Conejos Cooperative Project	Sup & Dem	\$314,643	\$349,643	\$158,051	Study&IPP	Supported at reduced funding
G-3	South Metro WISE Authority	WISE Binney Connection	Sup & Dem	\$80,000	\$250,000	\$80,000	Study&IPP	Supported
Total Supply Demand				\$1,394,643		\$988,051		
Summary of Total Water Plan Grant (all categories)				\$8,936,865		\$3,462,370		

Intent to Apply - Received August 1, 2017

	Applicant	Project	Primary	CWP Request Amount	Total Project Cost	Type
1	City of Aspen / Wilderness Workshop / Western Resource Advocates	ATM Pilot Project in the Upper Roaring Fork Valley	Agriculture	TBD	TBD	Study
2	Colorado River Water Conservation District	Bostwick Park Irrigation Efficiency Improvement: West Lateral Piping (Phase 2)	Agriculture	\$450,000	\$1,843,000	Construction
3	Colorado River Water Conservation District	Rogers Mesa Water Delivery Infrastructure Improvements	Agriculture	\$1,000,000	\$9,628,000	Construction
4	Colorado Water Conservation District	Silt WCD Irrigation Infrastructure and Flood Protection Project	Agriculture	\$200,000	\$4,710,000	Construction
5	Haymeadow Metropolitan District No. 6	Love & White Ditch Efficiency Project	Agriculture	\$2,000,000	\$5,941,000	Construction
Agricultural - Intent to Apply Subtotal				\$3,650,000		
1	Avery Ellis – Avery Ecological Design	Colorado Rain Barrel Project	Cons & LU	TBD	TBD	Other
2	Avery Ellis – Avery Ecological Design	Low Impact Development – Decentralized Stormwater Management	Cons & LU	TBD	TBD	Other
3	Reuse Colorado	Implementing Direct Potable Reuse Regulations to Optimize Water Supplies to Meet Future Demands	Cons & LU	\$130,000	\$515,000	IPP
4	South Metro Water Supply Authority	Regional Landscape and Irrigation Certification Pilot Program	Cons & LU	TBD	TBD	Other
Conservation & Land Use - Intent to Apply Subtotal				\$130,000		
1	Colorado Watershed Assembly	South Platte Basin Innovation & Engagement Coordination	Engagement			IPP
2	Mancos Conservation District	Mancos Watershed Outreach and Data (MWOD) and Schoolbased Outdoor Learning Labs (SOLL) Projects	Engagement	\$82,062	\$117,812	IPP
3	Middle Colorado Watershed Council	Colorado River Interpretive Center	Engagement	\$17,600	\$58,000	Engagement

4	Open Water Foundation	The Colorado Aqua Hack – A Water Innovation Challenge	Engagement	\$50,000	\$125,000	Engagement
5	Phyllis Thomas Consulting	Public Information Platform	Engagement	TBD	TBD	Other
6	Roaring Fork Conservancy	The River Center	Engagement	\$700,000	\$3,317,926	Construction
7	South Metro Water Supply Authority	Regional Water Utility Operator Outreach Program	Engagement	TBD	TBD	Other
Engagement - Intent to Apply Subtotal				\$849,662		
1	American Whitewater	Yampa River Diversion Structure Improvement Project	Env & Rec	\$350,000	\$1,300,000	All
2	Colorado Water Trust	Collier Ditch Infrastructure Modifications	Env & Rec	\$46,750	\$93,500	Other
3	Colorado Water Trust	Crystal River Restoration	Env & Rec	\$15,000	\$30,000	Other
4	Colorado Water Trust	McKinley Ditch Infrastructure Modifications	Env & Rec	\$35,000	\$71,000	Construction
5	The Nature Conservancy	Maybell Ditch Water Banking Pilot Project	Env & Rec	\$87,500	\$175,000	Study
6	Trout Unlimited	Hubbard Creek Flow Restoration	Env & Rec	\$25,000	\$50,000	Construction
7	The Nature Conservancy	Freshwater Implementation Network & Decision Support Tool	Env & Rec	\$91,190	\$182,380	Study&IPP
8	American Whitewater	Assessing Nonconsumptive Recreational Needs and Opportunities in the Arkansas River Basin	Env & Rec	\$48,600	\$111,780	Study
9	American Whitewater	Assessing Nonconsumptive Recreational Needs and Opportunities in the South Platte River Basin	Env & Rec	\$42,100	\$96,830	Study
10	American Whitewater	Assessing Nonconsumptive Recreational Needs and Opportunities in the Gunnison River Basin	Env & Rec	\$86,100	\$198,030	Study
11	Pueblo Conservancy District	Arkansas River and Wildhorse Creek Levees	Env & Rec	\$500,000	\$1,400,000	Construction
12	Purgatoire Watershed Partnership	Trinidad River Walk Improvement Project	Env & Rec	\$425,400	\$755,400	Construction&IPP
Environmental & Rec - Intent to Apply Subtotal				\$1,752,640		

1	Fort Lyon Canal Company	Adobe Creek Dam	Storage	\$1,500,000	\$10,000,000	
2	South Metro Water Supply Authority	Regional Aquider Storage and Recovery Project	Storage	\$150,000	\$300,000	
Storage - Intent to Apply Subtotal				\$1,650,000		
1	Grand Valley Water Users Assoc	Canal Headgates Replacement (Roller Dam and Canyon Facilities)	Sup & Dem	\$545,000	\$545,000	Construction&IPP
2	Grand Valley Water Users Assoc	Rehabilitate the Roller Tracks and Canal Concrete (Roller Dam and Canyon Facilities)	Sup & Dem	\$769,000	\$769,000	Construction&IPP
3	Grand Valley Water Users Assoc	Station 22 Rehabilitation (Roller Dam and Canyon Facilities)	Sup & Dem	\$170,000	\$170,000	Construction&IPP
4	Grand Valley Water Users Assoc	Upgrade the Roller Dam Electrical and Control Systems (Roller Dam and Canyon Facilities)	Sup & Dem	\$722,000	\$722,000	Construction&IPP
5	Town of Firestone	Modeling Reservoir Operations for Direct Reuse	Sup & Dem	\$71,500	\$160,100	Study
Supply & Demand - Intent to Apply Subtotal				\$2,277,500		
Summary of Total Water Plan Grant Intent to Apply (all categories)				\$10,309,802		