IMPLEMENTATION WORKING GROUP

FEBRUARY 19, 2019



• Procurement / Past BIP Process / Future Process

• IPP Datasets / Consistency / Tiers / Future

• IPP Database / Tracking / Reporting





Updating Colorado's Water Plan

- What Chapters Need to be Updated?
- What Timeline is Reasonable?

TABLE 11-1 CYCLICAL PLANNING PROCESS PROPOSED BY THE CWCB

Product	Year Initiated
Basin Implementation Plans	2013
Colorado's Water Plan	2013
Statewide Water Supply Initiative	2016
Basin Implementation Plans	2018
Colorado's Water Plan	2020
Statewide Water Supply Initiative	2022

ACTIONS

- The CWCB will work with other state agencies, the basin roundtables, and the people of Colorado to update Colorado's Water Plan, beginning no later than 2020.
- 2. The CWCB will develop guidelines for Basin Roundtable WSRA grants to help facilitate the implementation of the BIPs.

HOW TO FUND THE BIP UPDATES













UPDATING THE WATER PLAN



ANALYSIS + PLANNING PHASE

BASIN INTEGRATION PHASE

> COMPREHENSIVE UPDATE PHASE



■ BIP + CWP Updates/Mgmt ■ HB1051

IPP Database

Innovation & Outreach

2015 BIP & UPDATE

2015 BIP Costs	
Arkansas BRT	\$648,980
Colorado BRT	\$350,000
Gunnison BRT	\$300,000
Metro + S. Platte BRT	\$1,337,000
North Platte BRT	\$107,500
Rio Grande BRT	\$426,000
Southwest BRT	\$112,142
Yampa, White & Green BRT	\$317,066
TOTAL	\$3,598,688

- Requested funds are based on approximately 65% of the average cost of the 2015 BIPs.
- That's roughly \$290k per basin.

GENERAL ASSUMPTIONS FOR

- Update is not a complete rewrite.
 - Some tables, sections, etc.
- Funding could be used for:
 - Modeling
 - Drafting the Update
 - IPP Database Development
 - Collaborative Case Studies
- Coordinated through a central/general contractor

HOW THE GC MODEL CAN HELP IMPROVE THE UPDATE PROCESS

- Legal constraints exist for using grants to fund BIPs.
- Roundtables aren't fiscal agents
- Reduced funding if fiscal agents take % of \$
- The General Contractor (GC) model meets multiple needs
 - GC can have subs that are supported by each basin



PORPOSED CONTRACTING TIMEELINE



Polling Set-up

To participate by computer visit pollev.com/CWCB18



Does the 2 year timeline seem reasonable for updating BIPs and IPPs? (A) Support, (B) Indifferent, or (C) Oppose?



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oll Everywhere

MAKI PROGRESS

Since 2015, significant progress has been made on over 65% of Water Plan actions even though many of the goals extend through 2050.



SUPPLY

Reduce the projected 2050 municipal and industrial gap form 560.000 acre-feet to zero by 2030.

AGRICULTURE

using

by 2030.

Support agricultural economic productivity and share 50.000 acre-feet alternative transfer methods



FUNDING

Sustainably fund the water plan by raising \$100 million in revenue annually starting in 2020 (\$3 billion by 2050).



CONSERVATION

Achieve 400.000 acre-feet of municipal and industrial conservation of water by 2050.



LANDUSE

Ensure 75 percent of Coloradoans live in water-saving communities by 2025.



STORAGE

Attain

400.000

acre-feet

of water

manage

storage to

and share

conserved

water by

2050.



EDUCATION

Improve the level of public awareness bv 2020 and engage Coloradoans on key water challenges by 2030.



WATERSHED

Cover 80 percent of all prioritized watersheds and rivers with a Management plan by

2030.



ADDITIONAL

Respond to and prepare for natural disasters. climate change and energy needs while protecting interstate matters.

BASIN SUPPORT

- Staff Planning Support
- 13 Loan & Grant Programs

COLORADO WATER CONSERVATION BOARD LOAN & GRANT PROGRAMS



With a mission to conserve, develop, protect and manage Colorado's water for present and future generations, the Colorado Water Conservation Board (CWCB) was created to provide policy direction on water issues. To further its mission and advance the goals of Colorado's Water Plan, the CWCB provides financial assistance to water providers and other entities in Colorado through loans and grants for a variety of water-related projects, studies, awareness campaigns and other activities.

The CWCB website (cwcb.state.co.us) provides a wealth of information about the many loans and grants available through the agency,

as well as specific information about the application process and deadlines for each program. These include the following 13 loan and

- Water Project Loan Program
- Water Plan Grants
- Water Supply Reserve Fund Grants
- Water Efficiency Grants
- Colorado Healthy Rivers Grants
- Colorado Watershed Restoration Grants
- Severance Tax Trust Fund Operational Account Grants

Agricultural Emergency Drought Response Program

Fish and Wildlife Resources Grants

Weather Modification Grants

Construction Fund Non-Reimbursable Project Investment Grants Technical Assistance for Federal Cost-Share Programs

Alternative Agricultural Water Transfer Methods Grant Program

In general, plan for six months from application date until funds are available. A brief overview of each of the CWCB's funding

WATER PROJECT LOAN PROGRAM:

Provides subsidized for the design and construction of water supply projects. Eligible projects include new construction or rehabilitation of existing water storage and delivery facilities, such as: reservoirs, ditches & canals, pipelines, river diversion structures,

WATER PLAN GRANTS:

Provides financial assistance to make progress on the Colorado Water Plan's measurable objectives or critical actions. Grant categories include: water storage & supply projects, conservation & land use projects, engagement & innovation activities, agricultural projects, and environmental & recreation projects. Preference is given to projects that have multiple benefits, multiple purposes, and involve

WATER SUPPLY RESERVE FUND GRANTS:

Provides grants to assist Colorado water users in addressing their critical water supply issues and interests. Requests for funds must

first be approved by one of Colorado's nine basin roundtables and are then forwarded onto the CWCB for final funding decisions.

WATER EFFICIENCY GRANTS:

Provides financial assistance to communities, water providers and eligible entities for water efficiency and drought related activities and projects. State and local governments and water efficiency promoting entities can receive funding to develop water efficiency and drought mitigation plans, implement water efficiency activities outlined in a water efficiency plan and educate the public about water

Colorado Water Conservation Board

1313 Sherman St, Denver, CO 80203

www.cwcb.state.co.us

water plan grant

Water Plan Grant Category	FY 17/18	FY 18/19	FY 19/20
WSRF Supplemental Funding	\$10M	\$2M	\$2.5M
CO Watershed Restoration Program	\$5M	\$2M	\$4M
Agricultural Transfer Methods (ATM) Grants	\$1M*		\$1M
Agricultural Projects Water Plan Grants	\$1M	\$1M	\$1M
Conservation & Land Use Planning Water Plan Grants	\$1M	\$1M	\$1M
Environment/Recreation Water Plan Grants	\$1M	\$1.5M	\$1.5M
Innovation/Outreach Water Plan Grants	\$5M	\$0.5M	\$0.5M
Storage & Supply Gap Water Plan Grants	\$1M	\$3M	\$3M
Water Plan Updating Efforts	\$1M		\$5.5M
TOTAL	\$25M	\$11M	\$20M

OVER

= \$56 M

*ATM grants were not calculated into the original \$25M package in FY 17/18.

WATER PLAN GRANTS AWARDED ACROSS COLORADO





"Implementing the Water Plan is a shared responsibility; the state and basins are equal partners in its success and neither can do it alone."



IPPs in Each BIP

PROJECTS + PROCESSES

• IPPs are not used in the current technical update (i.e. SWIS)

- Major questions around IPPs exist, including:
 - Do various IPPs count the same water?
 - Are the IPPs all moving forward?

• Directors note support for updates at January 2019 CWCB Board meeting.

CONSIDERING PROJECT TIERS

- Basin feedback form has noted need a need to help prioritize.
- Could they projects be tiered like the Gunnison?

GUNNISON EXAMPLE:

TIER 1

implementation likely feasible by 2025; project does excellent job of meeting Basin Goals.

TIER 2

implementation likely not feasible by 2025; project would excel at meeting Basin Goals. Project may also have important conditional water rights and/or completed planning efforts.

TIER 3

implementation likely not feasible by 2025; project in preliminary stages of planning and/or may meet Basin Goals to lesser degree.

CONSIDERING TERMINOLOGY

- Shovel-ready?
- Strong Project?
- Conceptual?
- Other factors?



DATA ENTRY HANDOUT

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a soul		-	Field Name						
	1		Project_ID		Unique project identifier in the format of Basin-Year New (I.e., ARK-2015, constitution)		Er vitioned Functionality		
	2		Project_Name		between datasets and use by software tools.	ce	Text field, user provided		
	3		Project_Description		Name only		Test and		
			Genture		Implement that explains the project in greater de	Text neld, user provided			
	4	Project			similar to the Arkansas BIP's designation of "protocold	hing	e rext field, user provided		
	5	-	Project_Type or Keywords		Indicator of one os		Drop Down List		
	6	Lead_Proponent			Indicates main entity proposing/leading protect		Drop Down List		
	7	1	Lead_Contact		Person that can be cont		Text field, incr or set		
		8	Basin		affiliation. Name/Organization	heir			
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9 10	E	stim	ated_Yield	Av	erage yield of a project that much	Dro	p Down List		
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13		(M		(MG), cubic-feet-per salons (MG), million galons per day				
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4	1	Total			cost to implement the project including and in				
				aper	actions and maintenance (O&M).	umer	ric field, user provided a		

IPP DATA ENTRY

- 1. Project ID
- 2. Project Name
- 3. Status
- 4. Project Type or Keyword
- 5. Lead Proponent
- 6. Lead Contact
- 7. Basin
- 8. % Funds Go To Support
- 9. Multiple Needs (Y/N)
- 10. Water Source (GNIS Name)

- 11. Water Source (GNIS ID)
- 12. Water Destination
- 13. Latitude + Longitude
- 14. County
- 15. Water District
- 16. Estimated Water Yield
- 17. Yield Units
- 18. Estimated Capacity
- 19. Capacity Units
- 20. Estimated Cost

PROJECTS + PROCESSES

Example Data Field/Column*	Arkansas	Colorado	Gunnison	North Platte	Rio Grande	South Platte / Metro	Southwest	Yampa / While
IPP_ID	Х		Х	Х	Х	X	Х	Х
IPP_Name	Х	Х	Х	Х	Х	Х	Х	Х
IPP_Description	Х	Х	Х	Х			Х	Х
Basin						Х		
Municipal_Ind_Need	Х	Х	Х		Х		Х	
Agricultural_Need	Х	Х	Х		Х		Х	
Envr_Rec_Need	Х	Х	Х	Х	Х		Х	X
Admin_Need					Х			
Multiple_Needs	Х	Х	Х		Х		Х	
WaterSource_GNIS_Name								
WaterSource_GNIS_ID								
WaterDestination								
Latitude	Х		Х	Х			Х	Х
Longitude	Х		Х	Х			Х	Х
Phase	Х	Х	Х				Х	
Yield	Х	Х	Х			Х		
Yield_Units	Х	Х	Х			Х		
Estimated_Cost	Х	Х	Х		Х	Х		
Contact	Х		Х			Х	Х	
Proponents	Х	Х	Х		Х	Х	Х	Х

IPP DATA USE

USED FOR:

- Legislative Reporting
- Progress + Metrics
- Mapping
- Targeting Projects
- Filling "gaps"

USED BY:

- CWCB Staff
- Basins Roundtables



Is the IPP entry list reasonable? (A) Support, (B) Indifferent, or (C) Oppose?



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- 1. Project ID
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- 17. Yield Units
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- 19. Capacity Units
- 20. Estimated Cost

Is there anything missing?



Is there a concern about using project tiers we should be aware of?

UPCOMING MEETINGS

- Review outputs from this meeting.
- Discuss BIP update scope.
- Discuss key decision points in SWSI.
- Discuss BIP update recommendations.

QUESTIONS?

