### IMPLEMENTATION WORKING HRUUP

MARCH 19, 2019



- Process and Branding
- Procurement + Contracting
- IPP Data Gaps and Database
- Project Tiers and Terminology
- Timeline for Basin/Water Plan Updates





- 1. On Time
  - Water Plan goals

- 2. Save Time
  - Streamline updates

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- 3. Improve Process
  - Enhanced transparency, data, reporting and collaboration



- Better understanding of CWCB process/needs
- Support basin BIP and IPP update needs (e.g. funds; staff)
- Support project prioritization methods (not oversight)
- Support implementation and advocate for funding



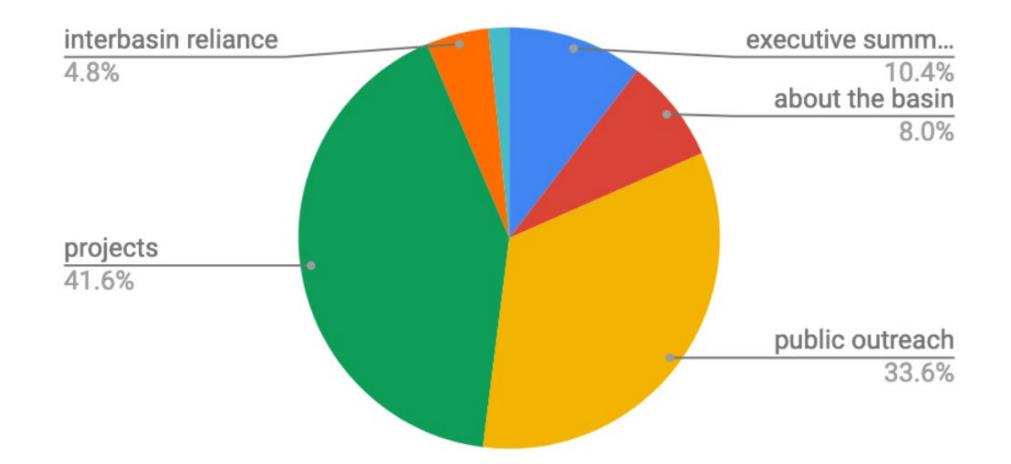
- BIP Update Scope
- Plan Integration

- Project Tiers + Terminology
- Technical Update Assumptions
  + Recommendations



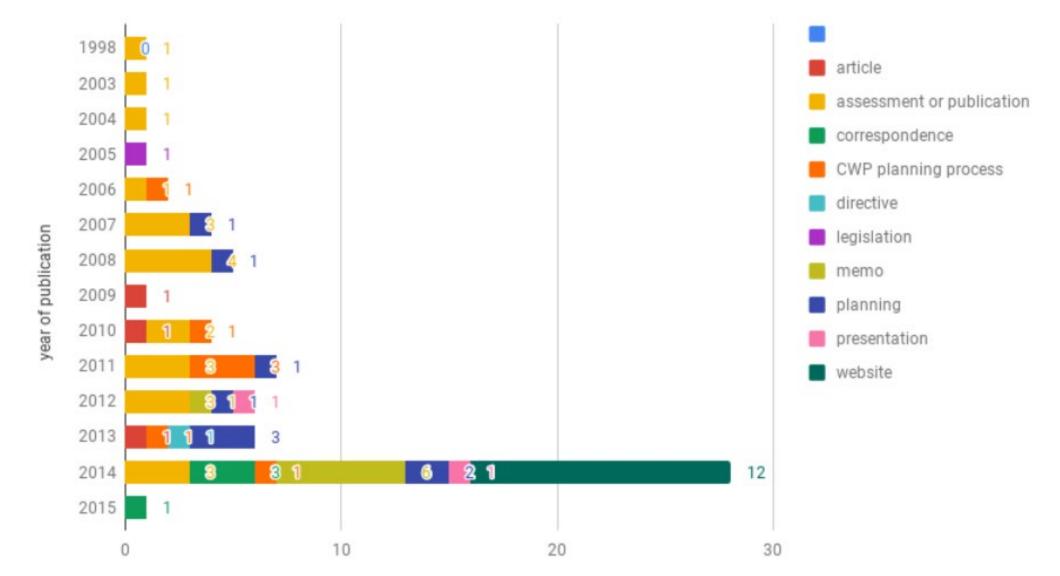
# SCOPING THE BASIN UPDATES







#### References cited in 2015 Gunnison BIP





- **Providing Basin-specific review** of potential BIP update areas
- Asking for Help identifying goals for the C-9 Summit
- Collaborating on Roadmap for updating plans

#### STATE OF COLORADO

Colorado Water Conservation Board Department of Natural Resources Denver, Colorado 80203 Phone: (303) 866-3441 Fax: (303) 894-2578 www.cwcb.state.co.us

stakeholders to develop Colorado's Water Plan (CWP). The Basin



#### **Basin Implementation Plan** Guidance

John W. Hickenlooper Governor

Mike King **DNR** Executive Director

Background and Purpose: Governor Hickenlooper issued an executive order calling for CWCB to work with the Basin Roundtables, IBCC, and other

Implementation Plans are a critical input into the CWP, as they will show how each basin plans to meet its future municipal, industrial, agricultural, recreational, and environmental needs. Each Basin Roundtable will help ensure the CWP is a grassroots process by obtaining local project proponent input

on which projects and methods are necessary and what other implementation strategies will be needed. The 2010 State Water Supply Initiative (SWSI) determined that every basin faces a gap between supply

and demand. The purpose of the Basin Implementation Plans is for each basin to identify projects and methods to meet basin-specific municipal, industrial, agricultural, environmental, and recreational needs. The Basin Implementation Plans will inform and help drive Colorado's Water Plan. They will review Identified Projects and Processes (IPPs) and the development of new projects and methods that meet the water supply gaps identified in SWSI 2010 and additional shortages outlined in section three. As part of this work, the Basin Roundtables (BRTs) will develop goals and measurable outcomes, needs, constraints and opportunities in each basin. In addition, the plan will identify specific implementation strategies that will be needed to fully realize the projects and methods described in section four and indicate how well the plan meets the goals and measurable outcomes as identified by each BRT.

The Basin Implementation Plans will focus on projects and methods recommended by the roundtables to

address their consumptive and nonconsumptive needs. As such, they are intended to help basins proactively meet water needs, with currently planned projects, re-prioritized projects, and new projects, operational agreements, flow protections, or other methods. The Basin Implementation Plans will also likely include more detailed modeling analyses done via the CRWAS Continuation or WSRA-funded

Relation to Colorado's Water Plan and SWSI: The Basin Implementation Plans will be a fundamental component of Colorado's Water Plan as they will focus on strategies to meet roundtables' consumptive and nonconsumptive water supply needs. The Colorado Water for 21st Century Act established the Basin Roundtables and tasked them to develop a water supply needs assessment, conduct a water supply analysis and propose projects and methods to meet those needs. This work will provide a more detailed analysis and propose projects and implementing projects to meet those needs to address the gap in a meaningful way. This effort will be a foundational component of the update to SWSI and provide critical

Timing: Basin Implementation Plans are due by July 14th, 2014 for presentation to the CWCB Board in

Rangely. These plans will be incorporated into the draft of the CWP due December 10, 2014. Staff will Interstate Compact Compliance • Watershed Protection • Flood Planning & Mitigation • Stream & Lake Protection

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# BASIN PLAN INTEGRATION



- Why types of plans need to be integrated into plans?
  - Stream Management Plans
  - Master Plans
  - Water Quality Plans
  - Climate and Resilience Plans
  - Others?

# HELPING CREATE PROJECT TIERS

### DATA GAPS IN PROJECT LISTS

Example	Data Field/Column*	Arkansas	Colorado	Gunnison	North Platte	Rio Grande	South Platte / Metro	Southwest	Yampa / White
IPP_ID IPP_Name		Х		Х	Х	Х	Х	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 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

### DRAFT PROJECT EVALUATION

- Tiers/Ranking may be helpful
- Terminology is key
  - Shovel Ready
  - Feasibility Study
  - Concept
- May need to also consider:
  - EX: Water rights; permitting status
  - EX: Chicken & Egg
- Deadlines help

Implementable): does not apply for a "Concept" project.    Can start within the year.    Needs at least a year to start.    Not      Rank all of the following using the drop down menu (right)    Tier 1    Tier 2    Tier 3    Tier 4      ALIGNMENT    Tier 1    Tier 2    Tier 3    Tier 4      Basin Plans    Strongly aligns with Bain Implementation Plans    Some what aligned with Basin Implementation Plan.    Not as well aligned with Basin Implementation Plan.    Not clearly identified in any local plan, organizational effort; water rights support the project.    Not Some local planning or organizational support for the project; water rights may or may not be explicitly identified.    Not clearly identified in any local plan, organizational effort; water rights concerns are noted; may be under consideration or going through a permitting process.    Not Some water Plan.      Water Plan    Meets at least 3 Goals in the Colorado Water Plan.    Meets at least 2 Goals in the Colorado Water Plan.    Meets only 1 goal in the Water Plan.    Not Sh      Meets Core Data Needs    Meets    Tier 3    Tier 4	r 4 Assigned 1 t Shown. Tier 3	Assign s 1 Tier Tier
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# SCENARIOS & KEY ASSUMPTIONS

### MODELINGASSUMPTION

- TAGS set direction:
  - EX: Use scenario planning
  - EX: Creates data and questions?
    - Do basins model top projects?
    - If they model should they use all scenarios?
    - Do they change assumptions that were made?
- Use of CDSS has raised additional questions (beyond TAG input)
  - EX: Free River
    - Can't be split between Ag and Muni
    - Not modeling IPPs (what matches current operations)?
    - Leave it in the river potential impacts compacts?

A Business as Usual	B Weak Economy	C Cooperative Growth	D Adaptive Innovation	E Hot Growth
Water	Water	Water Supply	Water Supply	Water
Climate Status	Climate	Climate	Climate Status	Climate
Sodal Values	Social Values	Sodal Values		Social Values
0-ED 0-ED 0-ED 0-ED 0-ED 0-ED 0-ED 0-ED	0-00 0-00 0-00 Agriculture Needs	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Appiculture	Agriculture
Med	M81 Needs	M81	Needs	Meds

# RECOMMENDATIONS & BRT ROADMAP



#### WHAT IT IS NOT?

- Not the final say
  - C-9 Summit will kick-off an iterative process
  - Local experts and basin input is vital and is absolutely the goal

#### • WHAT IT IS

- Best informed direction to add value to BIP Updates
  - C-9 Summit will highlight collective guidance from this group

#### Name one thing you'd like to see or change?

# OUTLING NEXT STEPS



- Input on Today's Discussion (and earlier outputs)
  - Terminology + Tier Matrix
  - Scope BIP Update
  - Plan Integration
- Deep dive into BIP reviews
- Start to discuss recommendation in SWSI/Technical Update

# QUESTIONS & COMMENTS?