

PUBLIC EDUCATION  
PARTICIPATION AND OUTREACH &

*Implementation Working Group*

COMBINED

MEETING

An overhead view of a person's hand holding a fountain pen over an open notebook. The notebook is open to two blank, cream-colored pages. On the left page, the words "Thank you" are written in a fluid, black cursive script. The hand is positioned on the right side of the notebook, holding the pen as if about to write. The pen has a dark, textured barrel and gold-colored accents. The notebook is placed on a dark brown wooden surface with a visible grain. In the upper center, the cap of the fountain pen lies horizontally. At the top of the frame, a portion of a light blue, ornate rectangular object is visible.

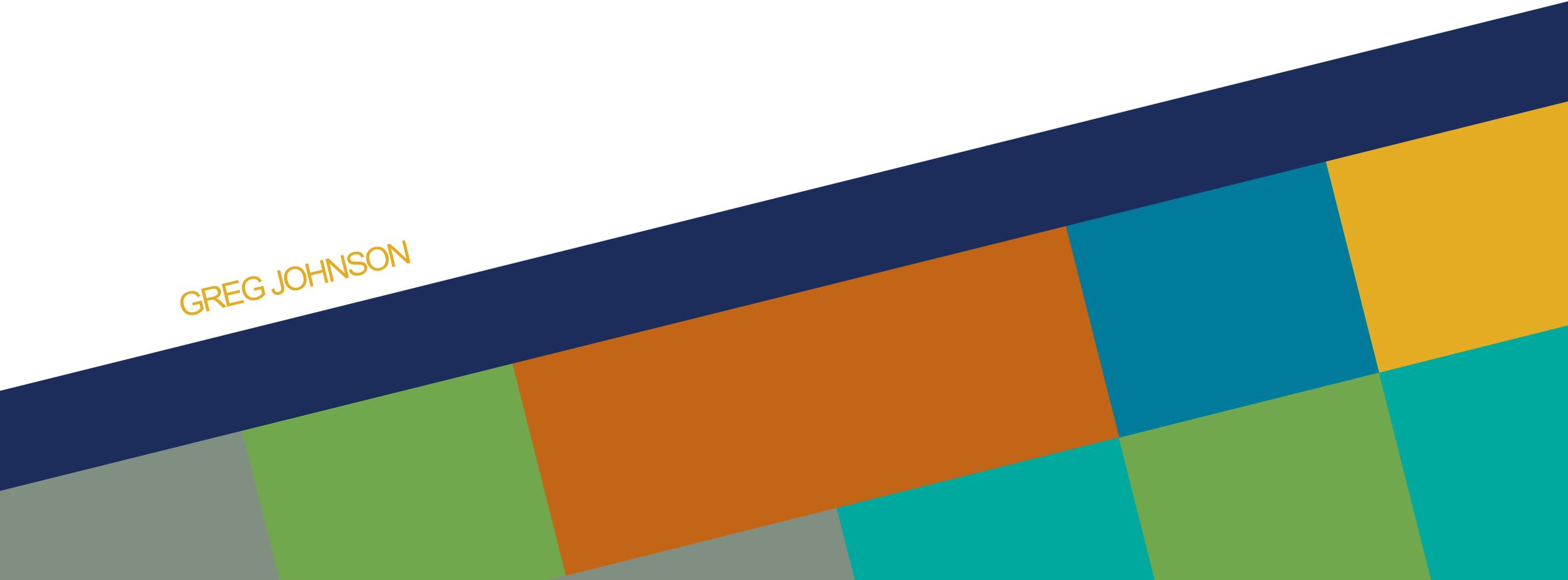
Thank  
you

# MEETING MANAGEMENT



WHERE WE'VE  
**BEEN**

GREG JOHNSON

An abstract graphic design featuring a dark blue diagonal band that runs from the bottom left towards the top right. Below this band, several overlapping rectangular shapes in various colors (orange, teal, yellow, green, and grey) are arranged in a grid-like pattern, creating a sense of depth and movement.

2015

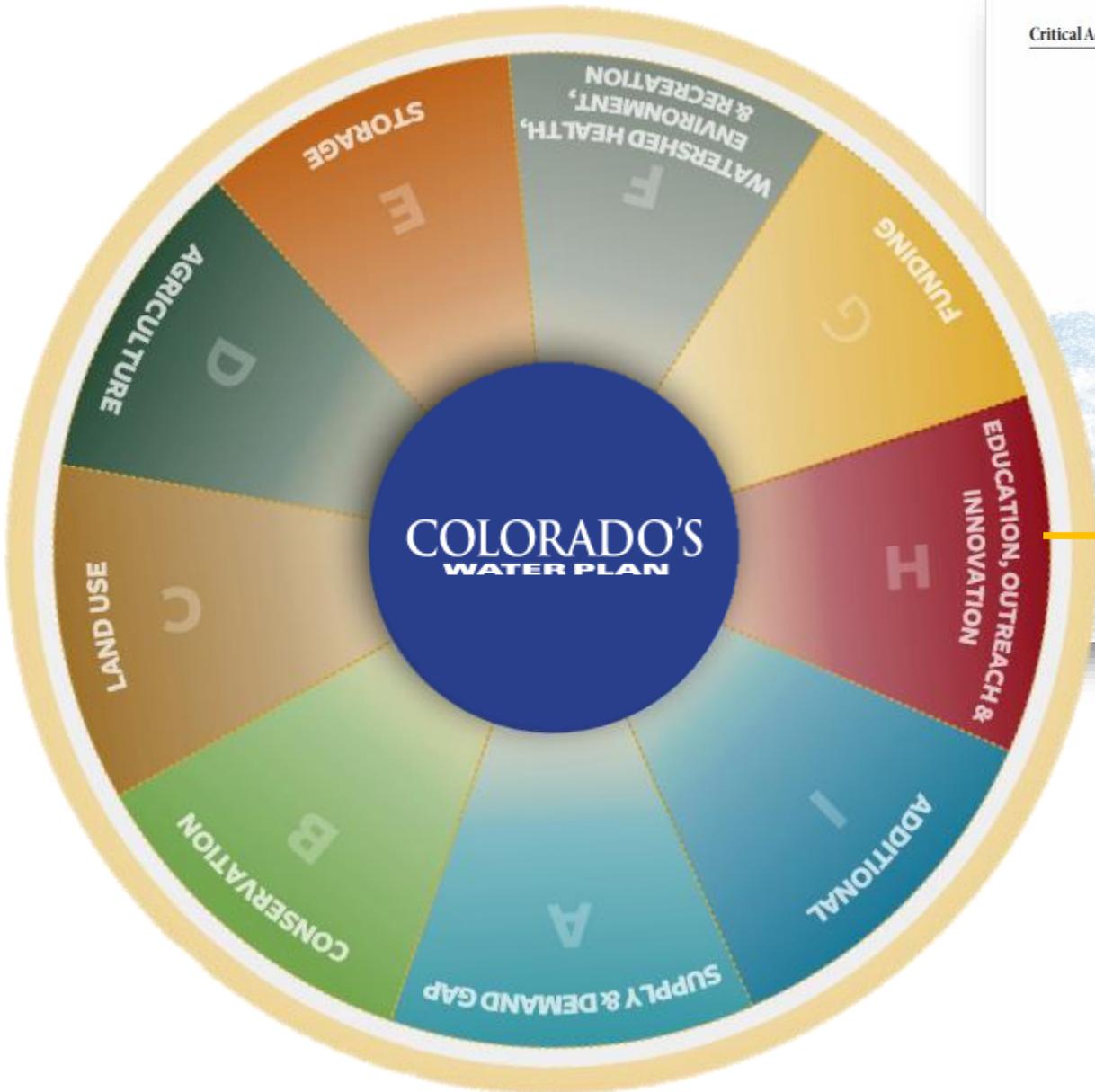
RIPPLE EFFECTS  
COLORADO'S WATER PLAN IN ACTION

2017

COLORADO'S  
WATER PLAN  
IMPLEMENTATION UPDATE

3

YEAR ANNIVERSARY



## Critical Action Plan

Chapter 10 further describes each of Colorado's water values, and sets forth the measurable objectives, goals, and critical actions needed to ensure that Colorado can maintain these values into the future. We define each of these terms on page 10-3. The high-impact actions included in Chapter 10 were culled from a broader set of actions found throughout the plan, and are also summarized in Appendix H.



### COLORADO'S WATER VALUES

#### Colorado's water values drive Colorado's Water Plan toward:

- ◆ A productive economy that supports vibrant and sustainable cities; viable and productive agriculture; and a robust skiing, recreation, and tourism industry;
- ◆ Efficient and effective water infrastructure; and
- ◆ A strong environment that includes healthy watersheds, rivers, streams, and wildlife.<sup>1</sup>

These values shape the measurable objectives, goals, and actions of each section in the plan.

1. Colorado's Water Plan values a productive economy that supports vibrant and sustainable cities; viable and productive agriculture; and a robust skiing, recreation, and tourism industry;

TABLE 10.1-1 TERMS AND DEFINITIONS

Terms	Definitions
Value	An overarching tenet that guides how Colorado's Water Plan will work to shape Colorado's water future.
Measurable objective	A result or benchmark expected to be achieved from the implementation of Colorado's Water Plan.
Goal	A purpose toward which Colorado's Water Plan is directed.
Action	A necessary step to achieve the measurable objectives and goals, and ultimately to maintain Colorado's water values.

Colorado will continue to face drought and catastrophic fire events in Colorado, and in California and Texas warnings that these events in the future must reflect a balance of the many uses of water for recreational, environmental, and agricultural uses throughout the state. Critical actions must recognize the value of water to Colorado's economy, and identify options for maintaining a viable agricultural industry. Coloradans at all levels—individually, locally, regionally, and statewide—must prepare to respond to these inevitable natural pressures so that Colorado can continue to flourish.

2. Colorado's Water Plan values efficient and effective water infrastructure: As Colorado prepares for the uncertainties of hydrology, Coloradans must also contend with the growing and changing needs of our communities, farms, and ranches. Colorado is one of the fastest growing states in the country, and the growth of cities could result in the significant loss of agriculture if we continue on our current path. Innovative solutions and additional conservation and efficiency measures are needed to stretch Colorado's water supplies and maintain aging reservoirs, canals, and distribution systems. Updated water systems will need to address multiple needs, partners, and benefits. Colorado's Water Plan uses a grassroots approach to formulate projects and methods to close water gaps with more agile, informed, and responsible water management.

**D. Agriculture:** Colorado's Water Plan sets an objective that agricultural economic productivity will keep pace with growing state, national, and global needs, even if some acres go out of production. To achieve this objective, the State will work closely with the agricultural community, in the same collaborative manner that has produced agricultural transfer pilot projects, to share at least 50,000 acre-feet of agricultural water using voluntary alternative transfer methods by 2030. Without a water plan, Colorado could lose up to 700,000 more acres of irrigated agricultural lands—that equal 20 percent of irrigated agricultural lands statewide and nearly 35 percent in Colorado's most productive basin, the South Platte. While the right to buy or sell water rights must not be infringed upon, Colorado's Water Plan describes market-competitive options to typical "buy-and-dry" transactions. Such alternative transfer methods can keep agriculturally dependent communities whole and continue agricultural production in most years, and if such arrangements can be made more permanent in nature, they will provide certainty to both municipal water providers and agricultural producers. Options include lease-following agreements, deficit irrigation, water banking, interruptible supply agreements, rotational fallowing, water conservation programs, and water cooperatives. The State will encourage innovation and creativity by agricultural producers and research institutions to maximize the productivity of every drop of water.

**E. Storage:** Colorado's Water Plan sets a measurable objective of attaining 400,000 acre-feet of water storage in order to manage and share conserved water and the yield of IPPs by 2050. This objective equates to an 80 percent success rate for these planned projects.

As the State conserves, Colorado must also develop additional storage to meet growing needs and face the changing climate. Tomorrow's storage projects will increase the capacity of existing reservoirs, address a diverse set of needs, and involve more partners. New storage projects will be increasingly innovative, and will rely on technologies such

### VICKI PHELPS

SOUTHWEST RIVER BASIN

Vicki is the co-director of the Telluride Institute's Watershed Education Program, and her life and work are driven by her passion for the kids and future generations. Vicki and students are pictured in front of a pond off the San Miguel River near Placerville.

I want to see communities take charge of their water use and make a committed effort to conserve this precious resource. Colorado's Water Plan addresses critical issues as to the future of healthy watersheds, smart ecosystems and adequate water for human needs.

I feel fortunate to have grown up with the outdoors as my playground. With experiences such as camping, hiking, backpacking, kayaking, climbing, gardening, studying water, creating nature-inspired art and photography, I have become passionate about understanding and promoting natural environments.

CONTINUED AT END OF CHAPTER

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### PROFILE

opportunities whereby the smallest Colorado's Water Plan.

PARTNERS	TYPE
CWCA, DNE, CPW, CWPFA, CDPE, General Assembly	Legislation
CWCA, Funding Committee, FPs in other sectors	Programmatic
CWCA, Water & Power Authority	Based policy
CWCA and General Assembly (Project Bill)	Legislation
CWCA, Funding Committee	Process

## H. Education, Outreach, and Innovation

- ◆ **Advance Education, Outreach, and Innovation:** Inform Coloradans about water issues to encourage engagement and innovation in determining Colorado's water future.

CRITICAL EDUCATION AND OUTREACH ACTIONS	SECTION	PARTNERS	TYPE
1. Create a new outreach, education, and public engagement grant program to fund basin-relevant education action plans and initiatives included in Colorado's Water Plan.	9.5, 9.2	CWCA, General Assembly	Possible legislation
2. Conduct a water education assessment to help develop a plan that addresses critical gaps in water education, advances efforts in Colorado's Water Plan, and supports basin-relevant work.	8.5	CWCA, BFA, education partners	Programmatic
3. Identify key water challenges that Colorado's innovation community could help solve. Develop an award program, and engage Coloradans in the challenge.	8.5	CWCA, COH, research institutions, stakeholders	

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

## DIVERSE PLAN OBJECTIVES KEEP COLORADO STRONG



### SUPPLY

Reduce the projected 2050 municipal and industrial gap from 560,000 acre-feet to zero by 2030.



### AGRICULTURE

Support agricultural economic productivity and share 50,000 acre-feet using alternative transfer methods by 2030.



### 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.



### LAND USE

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



### STORAGE

Attain 400,000 acre-feet of water storage to manage and share conserved water by 2050.



### EDUCATION

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



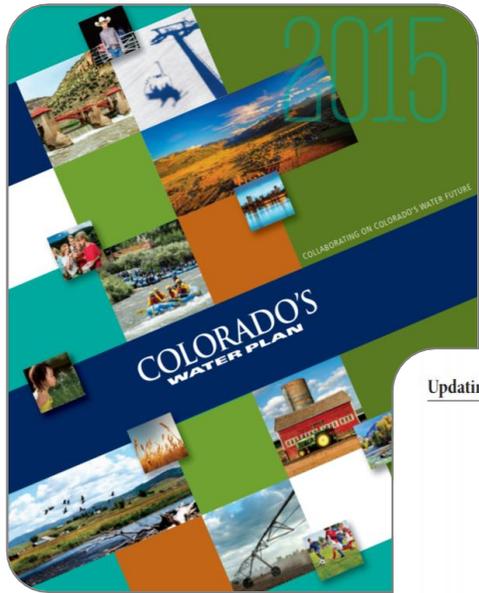
### WATERSHED

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.



### Updating Colorado's Water Plan

Colorado's Water Plan is dynamic by design. The plan addresses today's water challenges with the understanding that our water landscape may change quickly. Colorado's Water Plan will be agile in the face of future uncertainty regarding both water supply and demand, and will include advancements in water resource management to meet these changing conditions.

**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

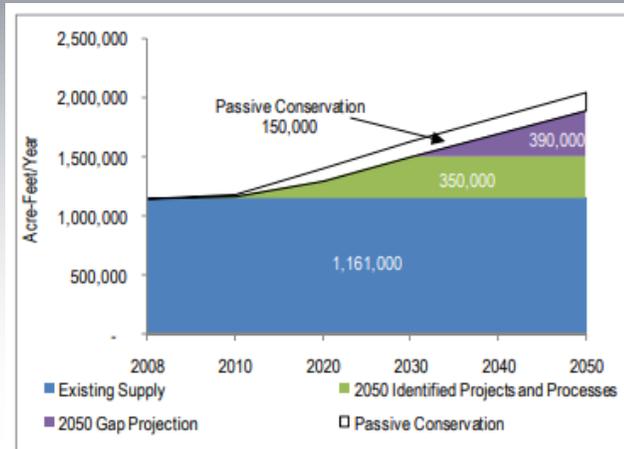
1. The CWCB will work with other state agencies, the basin roundtables, and the people of Colorado to update Colorado's Water Plan, beginning no later than 2020.
2. The CWCB will develop guidelines for Basin Roundtable WSRA grants to help facilitate the implementation of the BIPs.

# New Stakeholder-Driven Methodologies

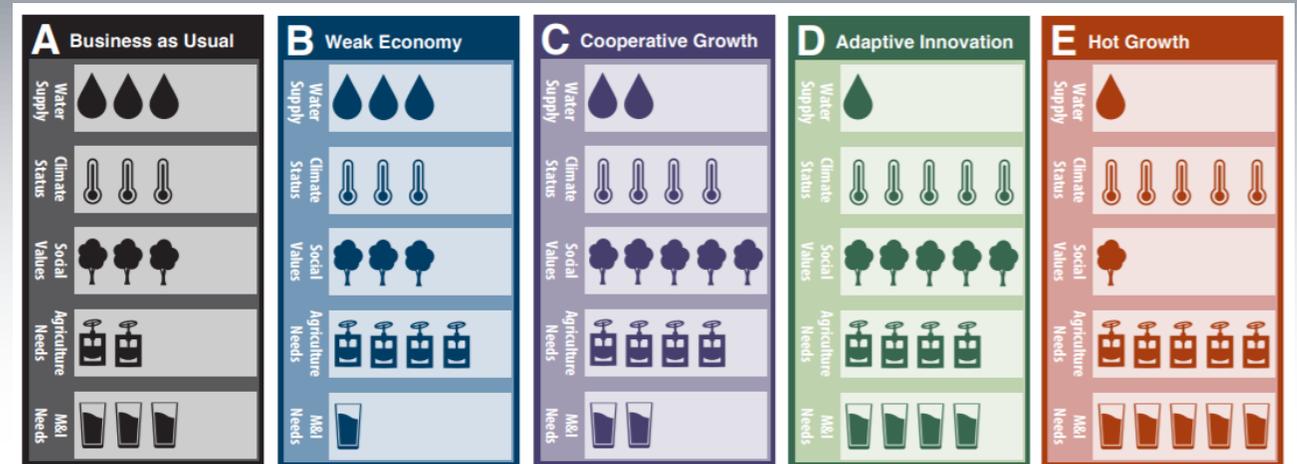
## 2050 Demand Projections

- IPPs

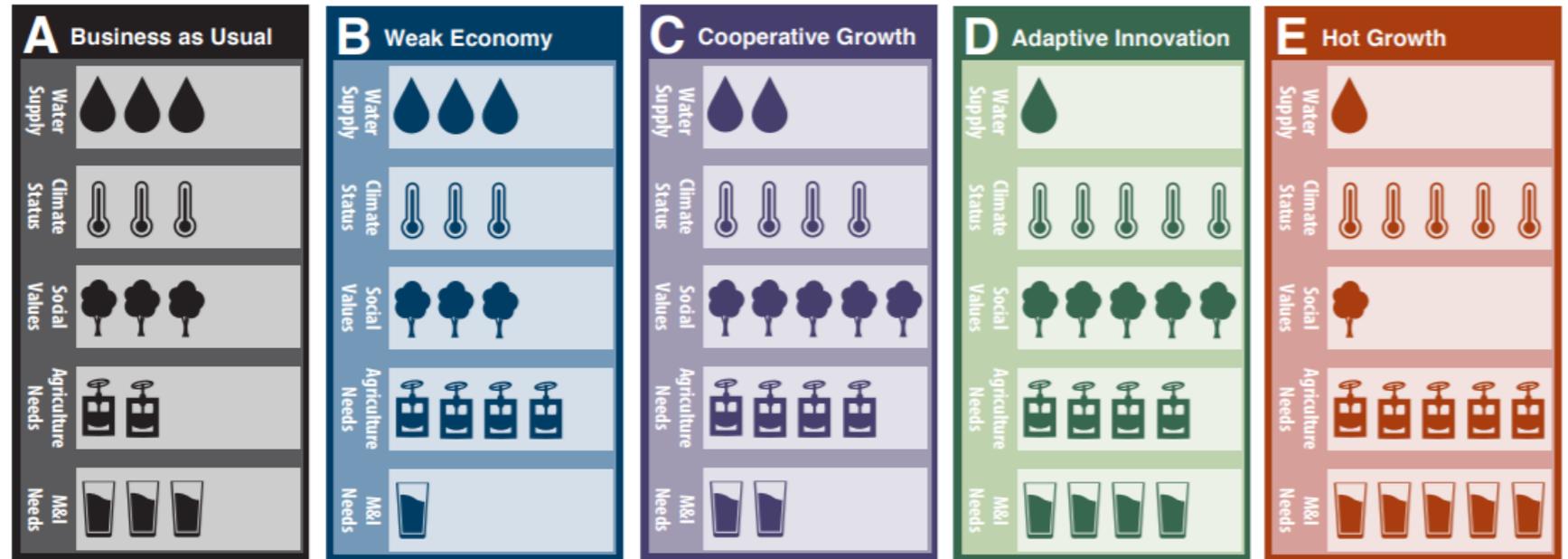
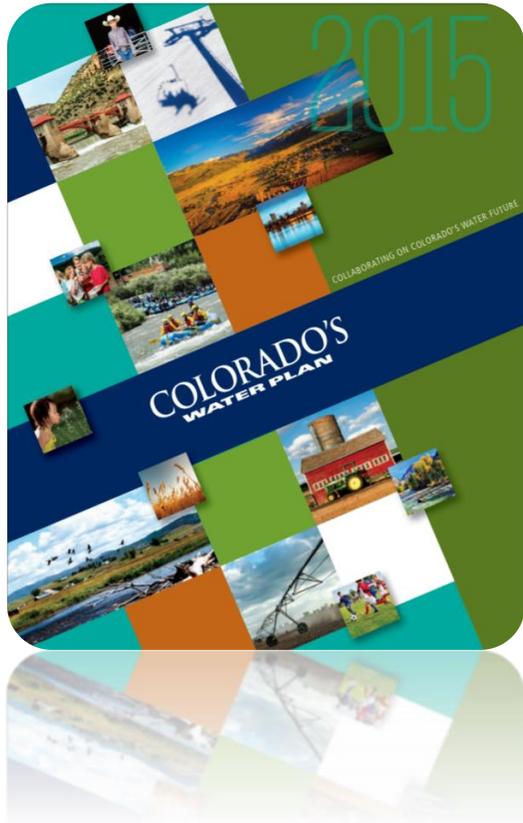
= 2050 M&I Gap



- Hydrologic Modeling
- Municipal Modeling
- Agricultural Modeling
- Environmental Modeling
- Scenario Planning Across Major Drivers



# WATER PLAN SCENARIOS



## NOTE:

- Scenarios in the Water Plan were named and developed with the IBCC.
- These represent equally plausible futures.

# INTEGRATED PLANNING



SWSI update goals:

1

A consistent statewide framework for examining future water supply and demand scenarios.

2

Tools and data for roundtables to update their basin plans (e.g. identify local solutions).

# ROUNDTABLE **POLLING**

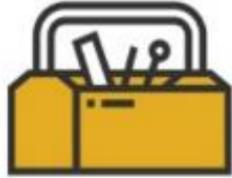
- **61%** see a need for improved metrics
- **65%** favor a working group to discuss BIP updates
- **89%** favor CWCB support and funding for updating BIPs and IPPs

# REPORTING BACK TO THE **ROUNDTABLES**

- 3 Roundtable Members
- Some IBCC Representatives
- Coordinated with BRT Chairs



## TOP THREE THINGS WE HEARD



### **PROVIDE A TOOLBOX**

for SWSI users that includes messaging, infographics and presentations



### **TELL THE SWSI STORY**

about its evolution up to today to help users understand the limits of its data



### **UNIFY THE BRANDING**

by rolling the SWSI Update into the larger story of Colorado's Water Plan it will show they are interrelated

# BASIN FEEDBACK

- Want to spend WSRF money on projects
- BIPs took time and presented a challenge
- Strong desire to utilize and Integrate SWSI findings

# UPDATING THE WATER PLAN

A

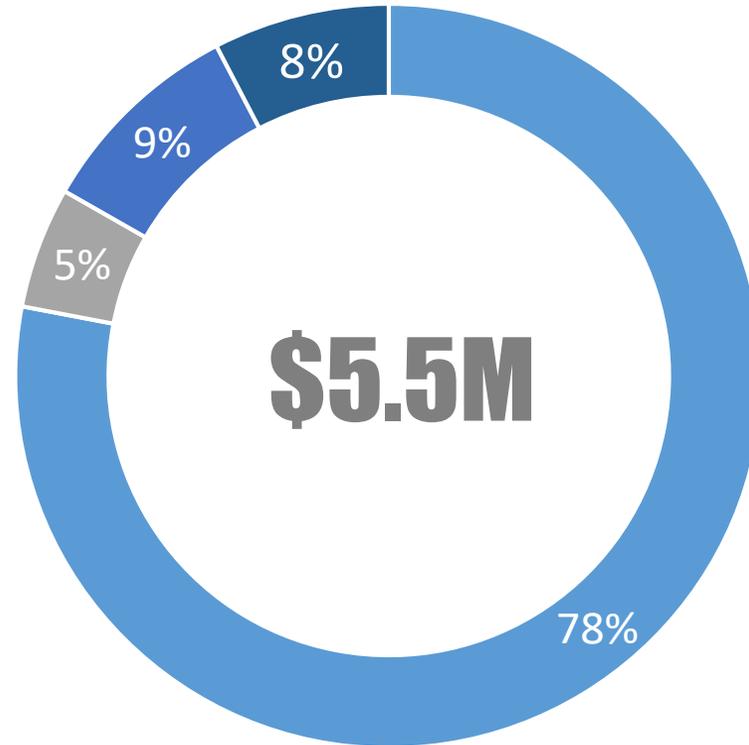
ANALYSIS + PLANNING  
PHASE

B

BASIN INTEGRATION  
PHASE

C

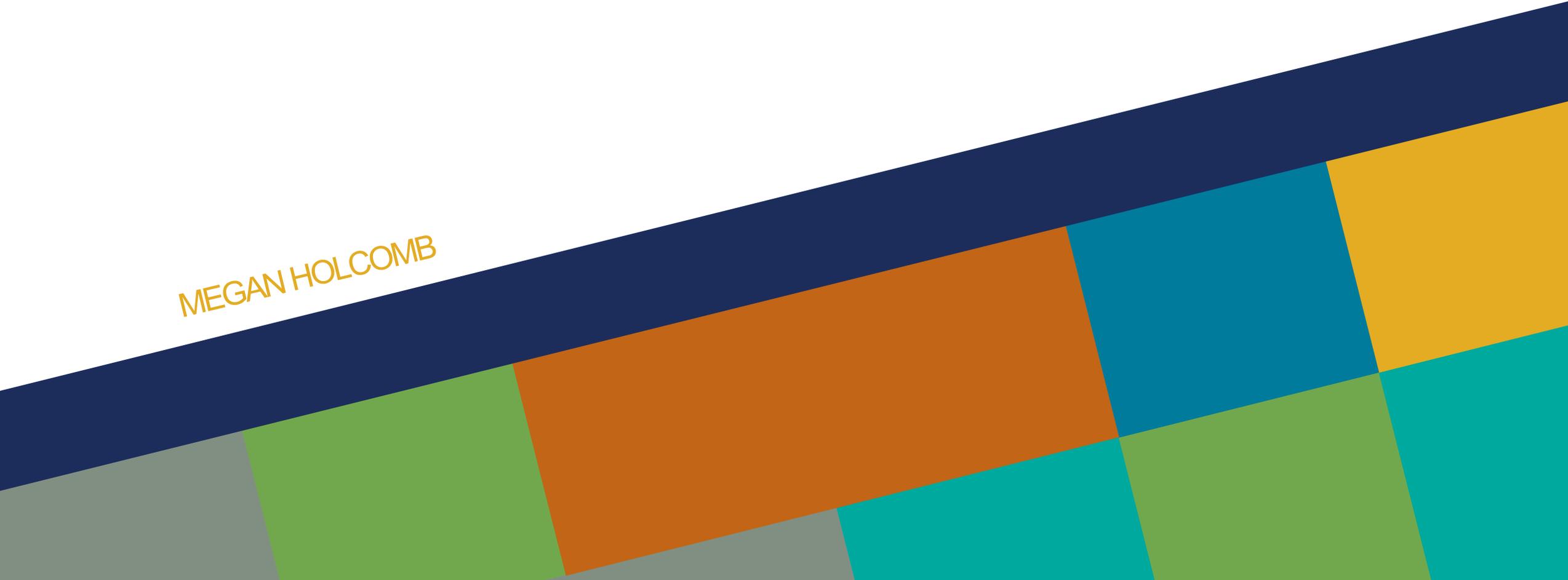
COMPREHENSIVE UPDATE  
PHASE



- BIP + CWP Updates/Mgmt
- IPP Database
- HB1051
- Innovation & Outreach

WHERE WE'RE  
**AT NOW**

MEGAN HOLCOMB

An abstract graphic design featuring a dark blue diagonal line that runs from the bottom left towards the top right. Below this line, several overlapping rectangular blocks in various colors (teal, orange, green, and grey) are arranged in a staggered pattern, creating a sense of depth and movement.

[Implementation](#) ▸ [2019 Implementation Working Group](#)

## 2019 Implementation Working Group

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### IMPLEMENTATION WORKING GROUP

An Implementation Working Group has been organized to help CWCB staff fine tune practical guidance following the Statewide Water Supply Initiative (SWSI) findings and Basin Implementation Plan updates. The group participants include representatives from each basin and some IBCC members. Group outputs will be updated under this page as they are developed. Roundtables will be updated by working group representatives according to their normal meeting schedule.

CHECK-IN ON WORKING GROUP EFFORTS

OUTPUTS

# DECISION MAKING



# POLL EVERYWHERE TEST QUESTION:

How are we doing so far?

- A) You had me at SWSI
- B) I'm listening while I check my phone
- C) Wake me up when you get to the good part



## TEST: How are we doing so far?

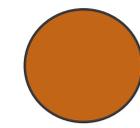
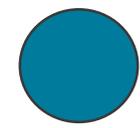
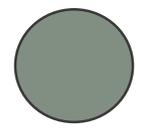
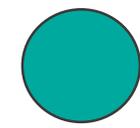
You had me at  
SWSI

Im listening while  
I check my phone

Wake me up when  
you get to the  
good part

# BRANDING

## THE COLORADO WATER PLAN



# PROCESS GRAPHIC #1

STEPWISE UPDATE



# PROCESS GRAPHIC #2

## OBJECTIVE MEASURES



# PROCESS GRAPHIC #3

RESPONSIVE AND PROACTIVE



GENERAL BANNER LOGO



# FEEDBACK QUESTION:

Do the combined efforts to streamline and brand water plan ABCs and Graphics support stakeholder feedback to “unify the brand?”

# Group check in: (A) Support, (B) Indifferent, or (C) Oppose?





# FOCUS GROUPS SUGGEST A TOOLBOX

## TOOLBOX

The toolbox concept is one that was repeatedly raised during stakeholder interviews, and was acknowledged as a way to close the critical gap in consistency and simplicity of language noted in the narrative discussion above. A toolbox of messaging and content could be developed in coordination with the SWSI rollout. This toolbox could contain a mixture of media and content for use by stakeholders without the need for “translation” into layman’s terms. Some items that might be included in a toolbox are:

- Infographics
- Presentations
- News releases
- Video
- Fact Sheets
- Glossary of Terms
- Story maps
- Bylined feature articles
- Social media tools

- Social media tools
- Bylined feature articles

# OUTREACH

FOR WHO?  
EDUCATORS/PEPO

WHAT IS IT?  
COMMUNICATION TOOLS

- Logos (Media Kit)
- Power Point Slides
- One Page Analysis Summary

# RESOURCES

FOR WHO?  
ROUNDTABLES (BRTs)

WHAT IS IT?  
PLANNING TOOLS

- Fact Sheets
- Water Plan Analysis Doc
- Other Tools (e.g. Costing)

# DATA OUTPUTS

FOR WHO?  
BRT CONTRACTORS

WHAT IS IT?  
ANALYTICAL TOOLS

- Statewide Data
- Data by BRT
- Data by Use



# TOOLBOX

# QUESTION:

What one thing would you pick as a “must have” in the online toolkit for it to be a success for you?

In your opinion, name one "must have" resource for the tool kit.

# QUESTION:

What one thing would you pick as your top “nice-to-have” in the online toolkit for it to be a success for you?

In your opinion, name one "nice to have" resource for the tool kit.

# WORKING GROUP SCHEDULE

- **DECEMBER - Concept Exploration**
  - Setting the stage (what the group will work on)
- **JANUARY – Messaging**
  - Combined with PEPO at Water Congress
  - Messaging & SWSI Toolkit – What is it?
    - *Data, communications, Logos, etc.*
- **FEBRUARY, MARCH & APRIL – Standardization Part I, II & III:**
  - Update process and procurement (Analysis to Integration)
  - IPP gaps and online database scoping
  - Key decisions document & Future modeling support
  - What specifically needs to be updated?
- **MAY - SWSI Guidance Chapter Review**
  - Review of the SWSI update Chapter?
  - Other Recommendations?
- **JUNE - Next Steps – Where to from here?**
  - *Informing the Statewide Basin Summit*

[The Supply Analysis](#) ▸ [Questions & Feedback](#)

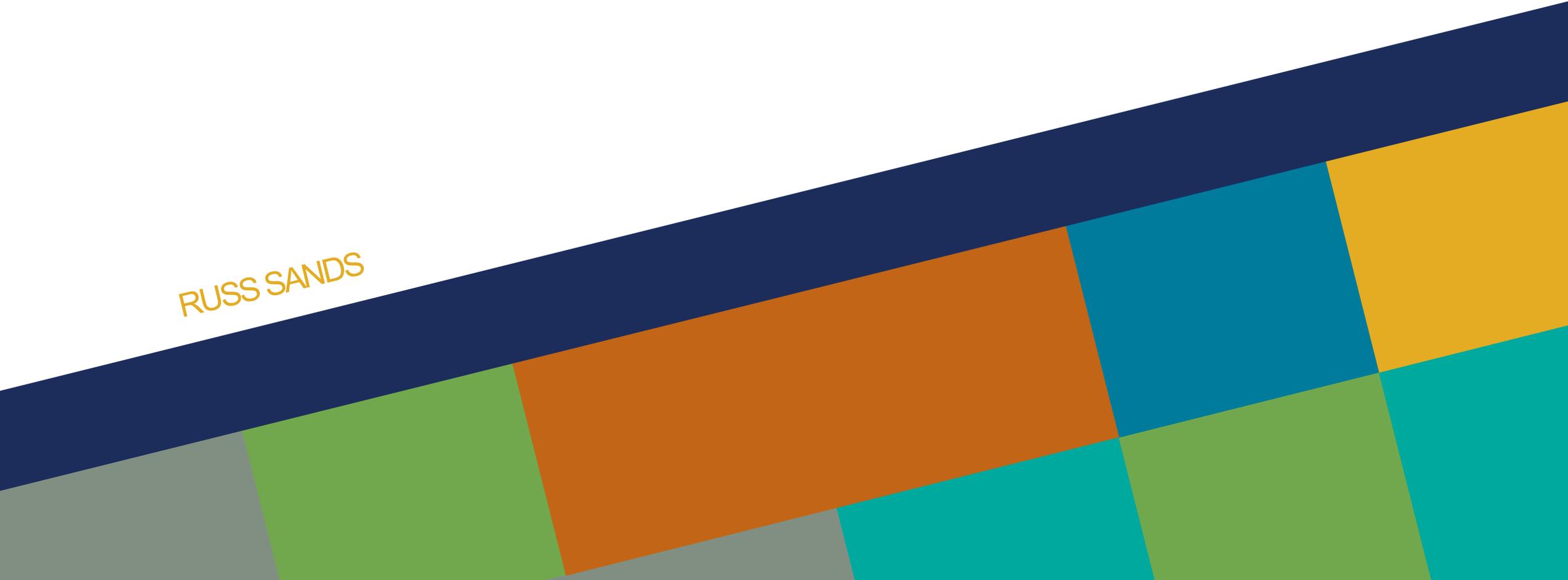
## Questions & Feedback

We are collecting questions and feedback in advance of the Water Plan Technical Analysis (formerly 'SWSI') webinars. Below are the technical webinar dates (every 3rd Tuesday at noon) and a link to the associated feedback form.

<b>February 19 - SWSI Methodologies Overview and Population Data</b> <a href="#">Register for webinar</a> <a href="#">Submit questions/feedback related to topic</a>	<b>May 21 - Environmental Data &amp; Methodologies</b> <a href="#">Register for webinar</a> <a href="#">Submit questions/feedback related to topic</a>
<b>March 19 - Municipal and Industrial Data &amp; Methodologies</b> <a href="#">Register for webinar</a> <a href="#">Submit questions/feedback related to topic</a>	<b>June 25 - SWSI Tools &amp; Next Steps (includes Costing Tool Demo)</b> <a href="#">Register for webinar</a> <a href="#">Submit questions/feedback related to topic</a>
<b>April 23 - Agricultural Data &amp; Methodologies</b> <a href="#">Register for webinar</a> <a href="#">Submit questions/feedback related to topic</a>	

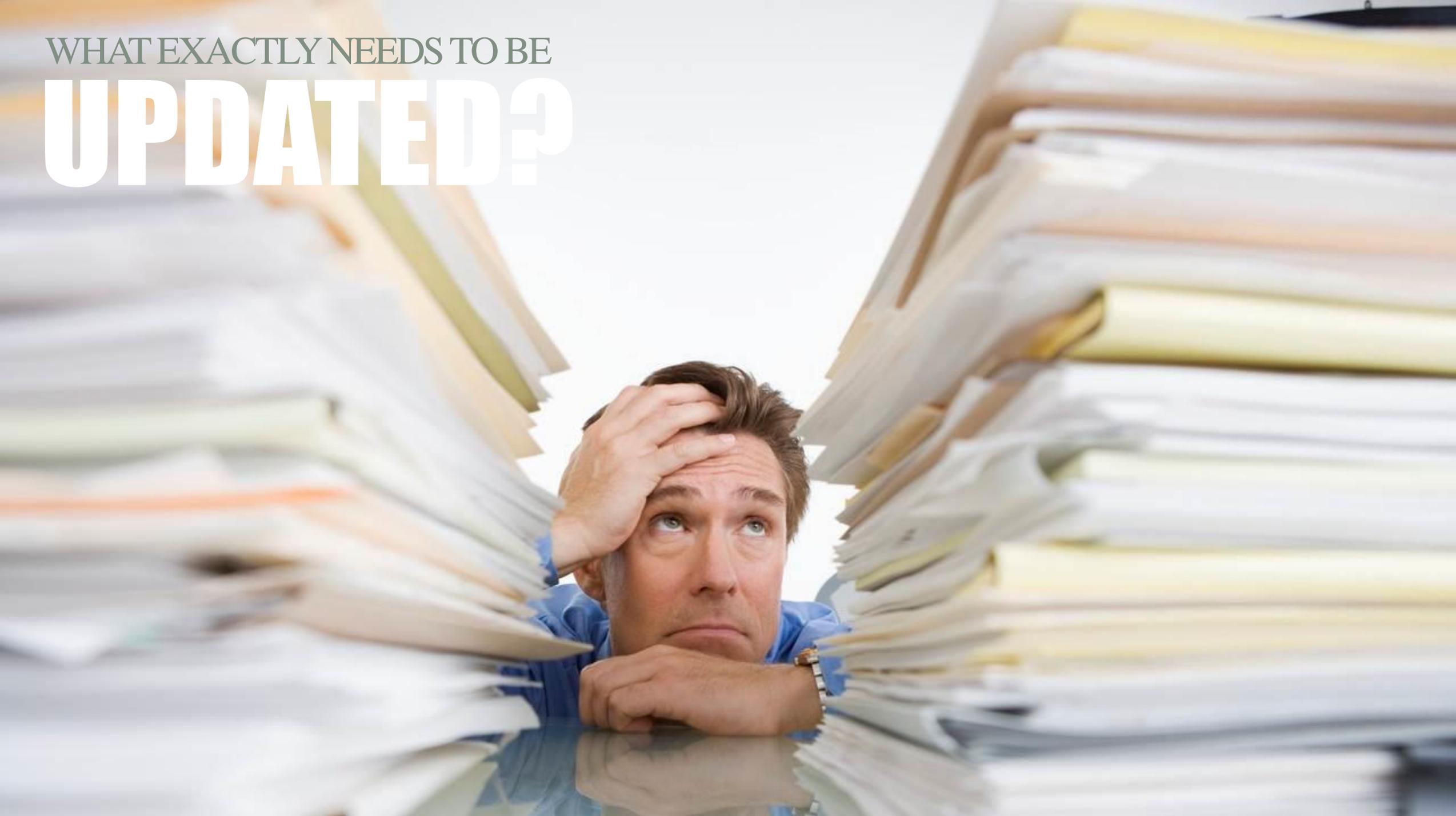
WHERE WE'RE  
**GOING**

RUSS SANDS

An abstract graphic design featuring a dark blue diagonal line that runs from the bottom left towards the top right. Below this line, there are several overlapping rectangular blocks in various colors: a grey block on the far left, a light green block, a large orange block, a teal block, a yellow block, and another light green block. The overall composition is clean and modern, with a focus on geometric shapes and a limited color palette.

WHAT EXACTLY NEEDS TO BE

**UPDATED?**



A TRANSPARENT, BASIN-DRIVEN

# PROCESS

**BUY-IN**

**DIRECTION**

**REVIEW**

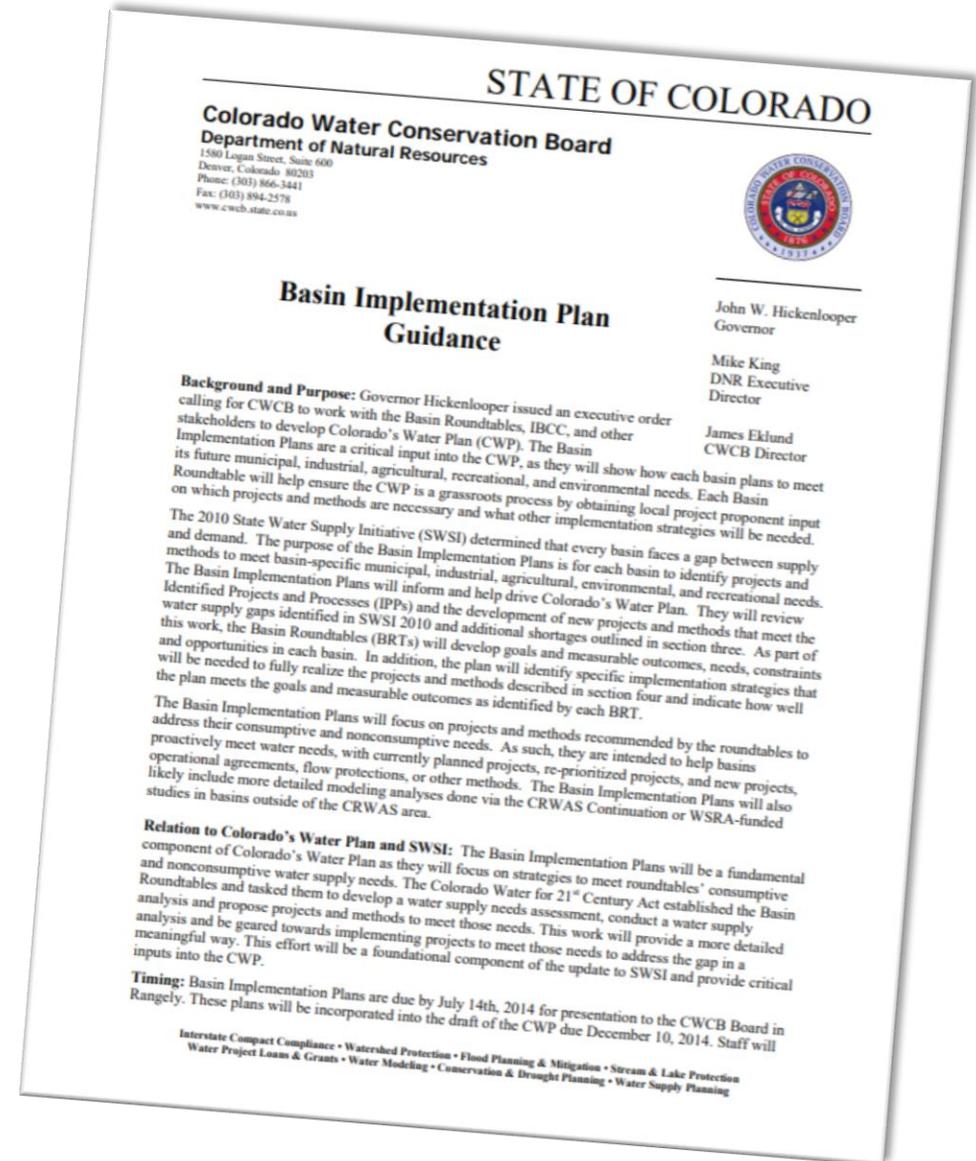
# BASIN BUY-IN

## Example IPP DATA FIELDS

	BASIN A	BASIN B	BASIN C	BASIN D	BASIN E	BASIN F	BASIN G	BASIN H
IPP_ID	X		X	X	X	X	X	X
IPP_Name	X		X	X	X	X	X	X
IPP_Description	X	X	X	X			X	X
Basin						X		
Municipal_Ind_Need	X	X	X		X		X	
Agricultural_Need	X	X	X		X		X	
Envr_Rec_Need	X	X	X	X	X		X	X
Admin_Need	!	!	!	!	X	!	!	!
Multiple_Needs	X	X	X		X		X	
WaterSource_GNIS_Name								
WaterSource_GNIS_ID								
WaterDestination								
Latitude	X		X	X			X	X
Longitude	X		X	X			X	X
Phase	X	X	X				X	
Yield	X	X	X			X		
Yield_Units	X	X	X			X		
Estimated_Cost	X	X	X		X	X		
Contact	X		X			X	X	
Proponents	X	X	X		X	X	X	X

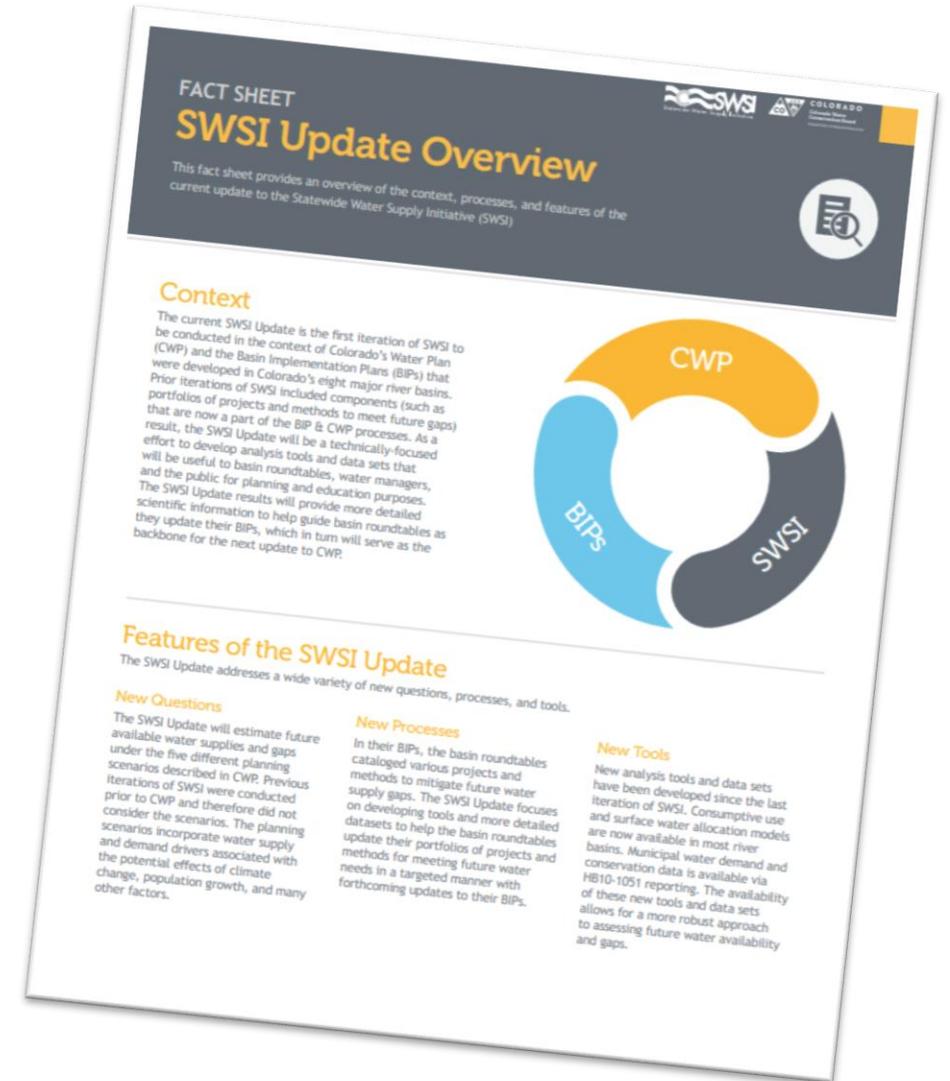
# BASIN DIRECTION

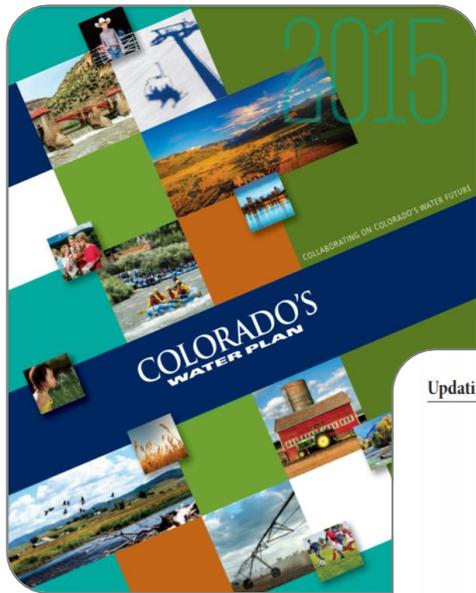
- Consolidating group outputs to help inform the next BIP guidance document.



# BASIN REVIEW

- Water Plan Analysis (or SWSI) will include:
  - Insights
  - Suggested Next Steps
  - Recommendations
- Working Group input can help ensure these are on track and align with BIP update goals.





#### Updating Colorado's Water Plan

Colorado's Water Plan is dynamic by design. The plan addresses today's water challenges with the understanding that our water landscape may change quickly. Colorado's Water Plan will be agile in the face of future uncertainty regarding both water supply and demand, and will include advancements in water resource management to meet these changing conditions.

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

**TABLE 11-1**

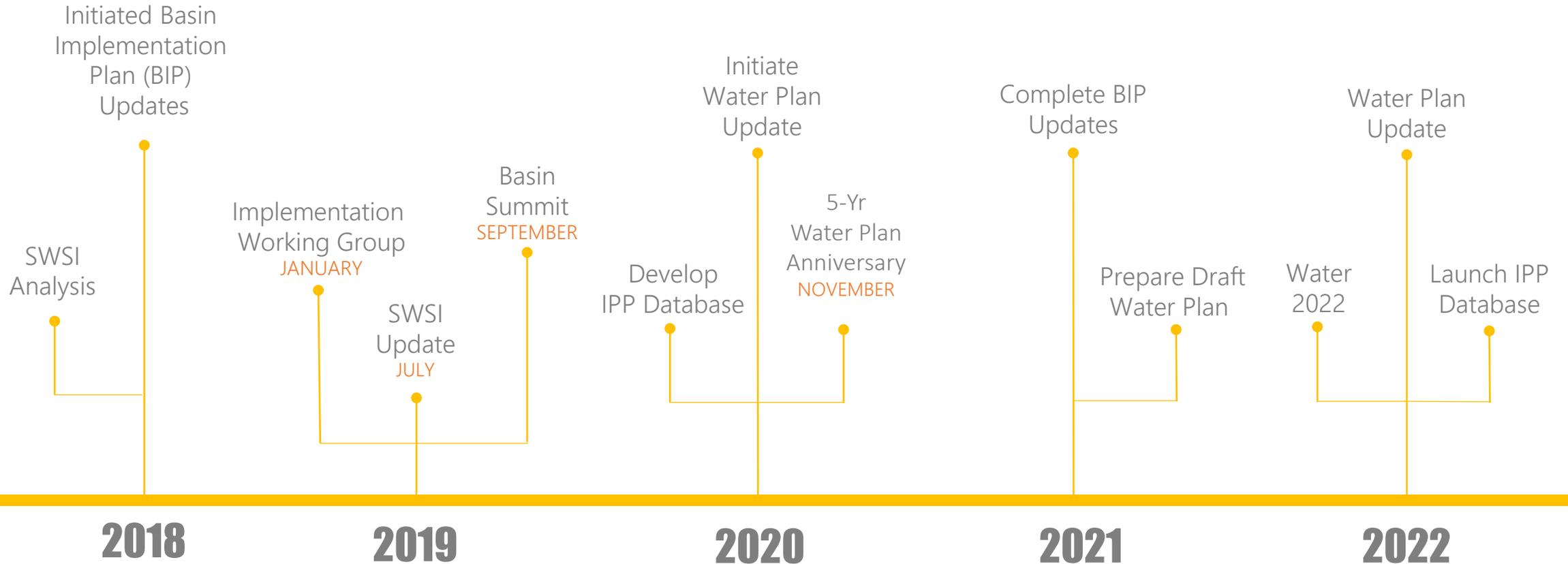
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1. The CWCB will work with other state agencies, the basin roundtables, and the people of Colorado to update Colorado's Water Plan, beginning no later than 2020.
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# VISION



# UPDATING THE WATER PLAN

A

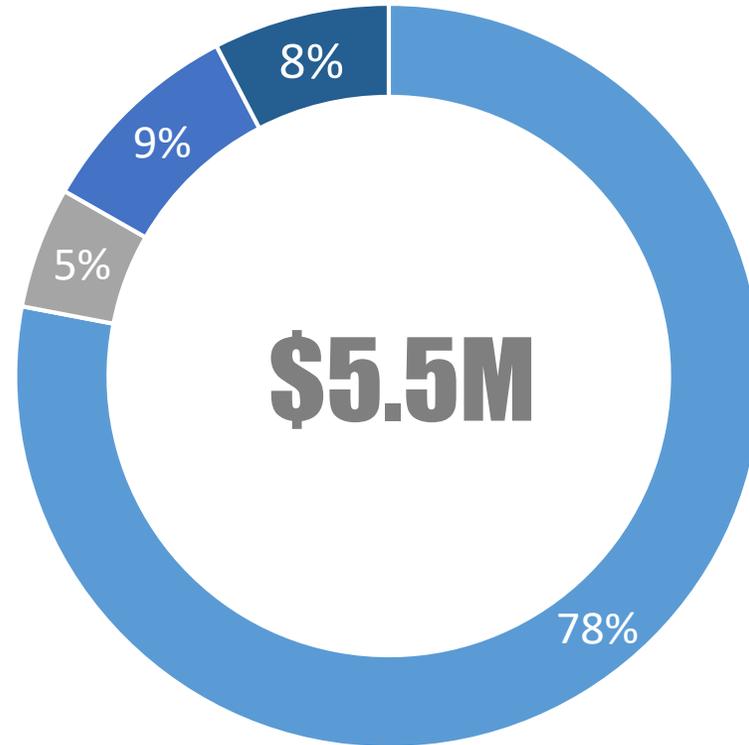
ANALYSIS + PLANNING  
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PHASE

C

COMPREHENSIVE UPDATE  
PHASE



- BIP + CWP Updates/Mgmt
- IPP Database
- HB1051
- Innovation & Outreach

# INNOVATION & OUTREACH

- C-9 Summit
- Data Visualization
- Water Education Campaigns
- Statewide Survey
- Basin Fact Sheets
- Grand Challenges Style-Event
- Water Plan & Drought Conference

BASIN ROUNDTABLE  
**SUMMIT**

SAVE THE DATE



SEPTEMBER 25 + 26 2019

**SUMMIT**

# DATA VISUALIZATION

- How can we most effectively and simply communicate the complex?



Planning Scenario	A. Business as Usual	B. Weak Economy	C. Cooperative Growth	D. Adaptive Innovation	E. Hot Growth
Climate Projection	Current	Current	In-Between	Hot and Dry	Hot and Dry

WATER 22 – AN IDEA FOR ENGAGING

*the Public Around the Update to the*

# COLORADO WATER PLAN



2022

# REVISITING WATER 2022

# 10 YEARS ON

- 100<sup>th</sup> Anniversary of the CO River Compact
- 85<sup>th</sup> anniversary of CWCB, Colorado River District, Northern Water.
- 20<sup>th</sup> anniversary of WECO and 20 years since the 2002 drought.
- Re-engaging stakeholders.
- Reaching new members of the public



## Water 2012 Overview

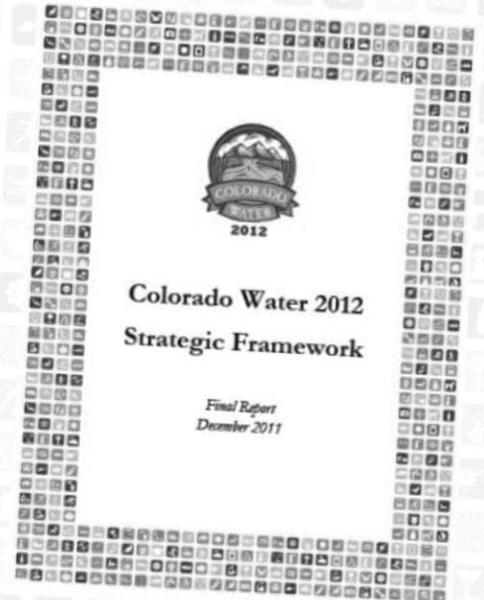
### Goals

- Raise awareness about water as a precious and limited resource
- Connecting Coloradans to existing and new opportunities to learn about water
- Showcase exemplary models of cooperation and collaboration among Colorado water users
- Motivate Coloradans to become pro-active participants in Colorado's water future
- Increase support for management and protection of Colorado's water and waterways

### Mechanisms

Connect 500,000 Coloradans with Water 2012's message of celebrating water through:

- Books and libraries
- K-12 and University programs
- A Speakers Bureau
- Media outreach
- On-line communications



# MEETING SUMMARY

- We're dropping the "s," but it's still your plan.
- Updating the water plan is a multi-step process.
- We need your help along the way to maximize impact.
- Stay involved through the website, webinars and C-9 Summit.



# How helpful did you find this: (A) Really Helpful, (B) Helpful, (C) Not Sure, or (D) Not really helpful



*Implementation*  
**WORKING**  
**GROUP**

WORKING GROUP

GREG JOHNSON – MEGAN HOLCOMB – RUSS SANDS

