• State Engineer Presentation
• The Value of IBCC
• Equity Discussion
• ATM Pilot Program Grant
• Weather Mod Update
• Feasibility Study Update
Poll Everywhere Question

How clear do you feel the definition of Demand Management is (temporary, voluntary, compensated)?

A. Not confusing at all – no need to keep repeating them
B. Not confusing but there are some gray areas
C. Somewhat confusing – please refine
D. Really confusing - find new words!

Percentage of Responses:
- A: 5%
- B: 18%
- C: 33%
- D: 44%
Poll Everywhere Question

I think:

A. A DM Program could be helpful if done correctly

B. A DM Program might be a good idea but I need to know more

C. We should NOT have a DM program at all
Workgroup Progress

Workgroups to meet four times before June 2020.

Workgroup discussions diverging in some ways, coalescing in others.

Project Management Team will report to the Board on progress in July 2020.
What We’ve Heard

Equity is always part of the discussion. But how is it defined?

Desire for more structured approach to analyzing issues.

But let’s not move too quickly.
Poll Everywhere Question

Which one of these statements have you heard before?

A. “There’s a target on west slope Ag”

B. “The state already has as DM program figured out”

C. “A voluntary program is a set-up to make a permanent program”

D. All of the above

E. None of the Above, but I’ve heard worse
We’ve Also Heard

“Workgroups won’t get very far if they don’t have a strawman to use to explore various branches that allow them to look at a variety of possible futures.”

“We need some sort of conceptual scenario or something we can throw at the wall to explore and run down how one idea might play out.”
FUNDING WORKGROUP - SIMPLE MATH

VOLUME  x  $  x  TIME  =  NEED

VOLUME  COST  TIME  NEED
FROM THE FUNDING WG

... AND OTHER WGs

• Want parameters

• Want to know what other working groups are doing

• Want to be clear DM is not a forgone conclusion

• Discussed a range of alternate options but has lacked structure.
1. Upper Basin Agrees to DM?
2. Storage Pool Target (kAF)?
3. Cost of Effort?
4. Participants?
5. Acute or Chronic?
6. Storage Options?
7. Years?
1. **Upper Basin Agrees to DM?**

2. **Storage Pool Target (kAF)?**

3. **Available Money?**

4. **Participants?**

5. **Acute or Chronic?**

6. **Storage Options?**

7. **Years?**

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<tr>
<th></th>
<th>NO</th>
<th>YES</th>
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<td><strong>Upper Basin Agrees to DM</strong></td>
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<td><strong>Target Water Goal (kAF)</strong></td>
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<td><strong>Amount DM Participants</strong></td>
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<td>All CRSP Units vs. Only Powell</td>
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<tr>
<td><strong>Year To Reach Total KAF</strong></td>
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**UNCERTAINTY:**

**WHAT ELSE IS OUT OF OUR CONTROL?**

- Uncertain future factors

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NEW ROW
NEW ROW
NEW ROW
IN EVALUATING WHAT’S FEASIBLE
WE WANT TO BE ABLE TO UNDERSTAND & SUMMARIZE THE IDEAS WE’VE HEARD,
WHICH MIGHT ALLOW US TO:
EXPLORE A RANGE OF POTENTIAL FUTURES THAT CONSIDER:

• VARIOUS UNCERTAINTIES

• POTENTIAL ACTIONS (or Inaction)

• WHAT WORKS BETTER OR WORSE FROM VARIOUS PERSPECTIVES OF THE WORKGROUPS
Better understanding key workgroup issues helps uncover:

- How different WG ideas may impact another WG’s thought process
- Self identified WG priorities
- Understanding what needs more research
• RAND is a non-profit, non-partisan policy research organization

• Mission is to improve public policy decisionmaking
RAND Supports Long-term Water Resources Planning

• RAND supported 2012 Colorado River Basin Study by helping evaluate thousands of plausible futures

• RAND works with Colorado front range water utilities apply new planning methodologies

• RAND help develop planning scenarios for the City of Boulder
Good Water Resources Planning Accounts for the Wide Range of Viewpoints

What could the world look like?
What is important to me/us?
What could I/we do?
The Concept of Demand Management Raises Many Questions

- Demand Management program could be a tool to help Colorado meet its compact obligations

- But....
  - Who is impacted?
  - What might be the effects on communities?
  - Will everyone do their fair share?
  - How do we know what future needs may be?
  - We’re not ready to commit to anything yet!
One of Today’s Goals Is to Help Organize Your Concerns to Develop a Common Understanding

What could the world look like?

What is important to me/us?

What could I/we do?

Uncertainty

Values

Possible Actions
Example Concerns Organized in Three Categories

What could the world look like?
- Amount of water
- Cost of conservation incentives
- Participation rates and patterns

What is important to me/us?
- Impact to my community
- Ecosystem effects
- Fairness and equity

What could I/we do?
- Keep things as they are
- Demand Management program of different designs
  - Timing of program
  - Participation parameters

Uncertainty

Values

Possible Actions
This Framework Helps Daylight Assumptions Underlying Potential Actions....

• Ideas are proposed based on *assumptions* of their costs and benefits to society

• Some assumptions, if they do not come to pass, are okay

• Other assumptions must hold for the implementation to be successful
  • Load-bearing assumptions

*Assumptions are like the framing that holds up a house*

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This Framework Helps Daylight Assumptions Underlying Potential Actions….

• Ideas are proposed based on *assumptions* of their costs and benefits to society

• Some assumptions, if they do not come to pass, are okay

• Other assumptions must hold for the implementation to be successful
  • Load-bearing assumptions

*We need to identify which assumptions are load bearing*
...and Summarize What Future Outcomes We Care About Most

What lens(es) should we use when evaluate possible actions:

• Water to support our activities
• Healthy flows for ecosystems and recreation
• Community impacts
• Costs
• Others
How your input helps shape the discussion

• Documenting and organizing concerns will ensure that you are heard

• Comprehensive list of uncertainties can be used to develop qualitative narrative “scenarios” or some other organizational framework for summarizing input.

• Complete set of values will ensure that your interests are accounted for in future policy design
THOUGHT EXERCISE GOALS:

• START TO HELP ORGANIZE THOUGHTS

• HAVE GROUPS MEET TOGETHER

• SEE IF THE FUNDING WORKGROUP CONCEPT HELPS ORGANIZE WG INPUT
AGENDA & LOGISTICS:

• WHERE TO GO FOR BREAKOUT SESSIONS
• BREAKOUT #1
• BREAKOUT #2
• LUNCH
• REPORT OUT
• BREAKOUT #3
PANEL REPORT OUT & INPUT REVIEW
1) Share your story and/or some key issues your workgroup discussed.

2) Tell us something that meeting with another workgroup made you think more about.
<table>
<thead>
<tr>
<th>DOT VOTE RESULTS: TOP VALUES ACROSS WORKGROUPS</th>
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<tbody>
<tr>
<td>Statewide resilience</td>
</tr>
<tr>
<td>Secure/dedicated funding source</td>
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<tr>
<td>Multiple funding sources</td>
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<tr>
<td>Ag viability</td>
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<tr>
<td>Shared responsibility</td>
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<td>Voluntariness</td>
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<tr>
<td>Simplicity of Monitoring and Verification</td>
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<tr>
<td>Doability and Scalability</td>
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<tr>
<td>Inclusivity</td>
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<tr>
<td>Connectivity</td>
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<tr>
<td>Messaging Connects with the Audience</td>
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<tr>
<td>Respect and Empowerment</td>
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<tr>
<td>Environmental impacts</td>
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<tr>
<td>Location</td>
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<tr>
<td>Timing of impacts</td>
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<tr>
<td>Support/Benefit to local economy</td>
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<tr>
<td>Clear grant criteria</td>
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<tr>
<td>Transparency</td>
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<td>Non-injury</td>
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<tr>
<td>Non-burdensome</td>
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<tr>
<td>Legal clarity</td>
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</tbody>
</table>
Question #1

I feel this feasibility investigation is moving:
A) Too slow
B) Too Fast
C) Just Right
Question #2

How did you feel about the conversation today?

A) High Value
B) Somewhat Valuable
C) Marginally Valuable
D) Not Valuable
Question #3

I would like to work with the feedback received relating to values and uncertainties of the workgroups to develop a framework for future discussion.

A) Yes Definitely – we need it and I’d like to help refine the next steps
B) I think so but want to hear more
C) Not sure
D) No. The concepts discussed today didn’t resonate with me.