



Arizona Contributions to Address Lake Mead's Structural Deficit

AZ WRAN "Talking Water" Series | July 20, 2016

*Amy McCoy, Director
AMP Insights LLC*



Lower Basin Allocations from Lake Mead

California 4.4 maf

+

Arizona 2.8 maf

+

Mexico 1.4 maf

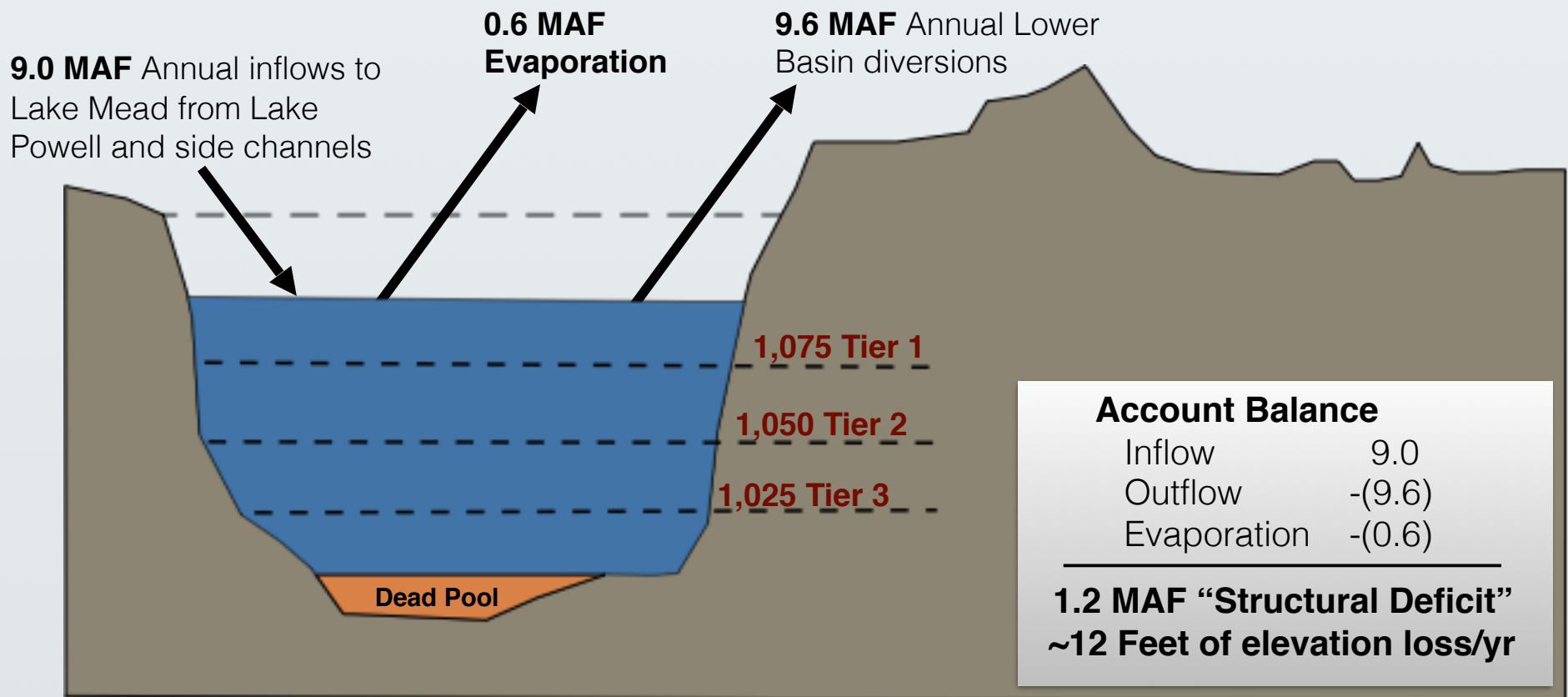
+

Nevada 0.3 maf

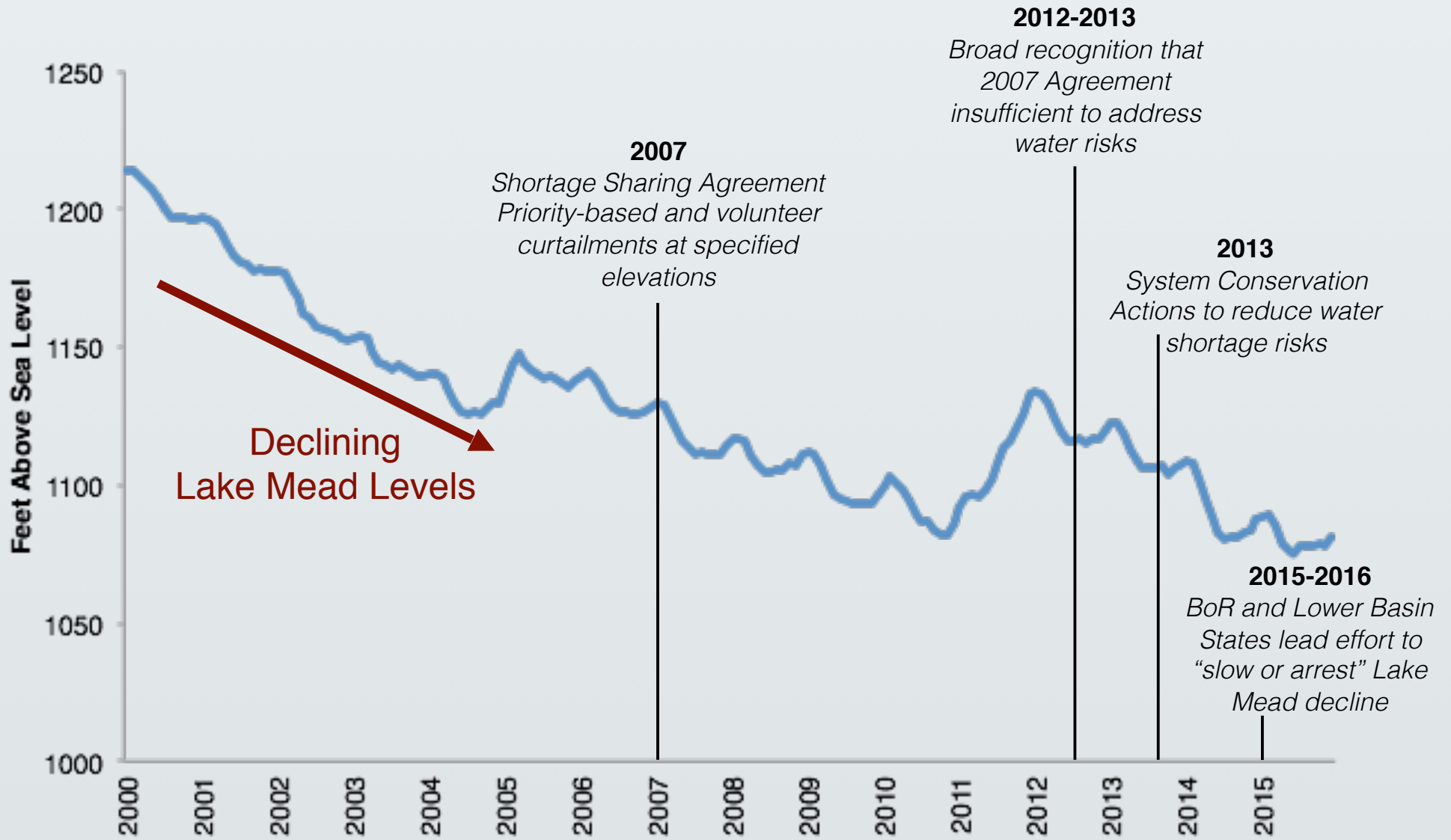
Lower Basin ~9.0 maf

Map Source: www.newyorker.com/magazine/2015/05/25/the-disappearing-river

Lake Mead Structural Deficit



Response to Structural Deficit



Proposed Lower Basin Drought Contingency Plan

Potential Shortage Sharing Among All Users

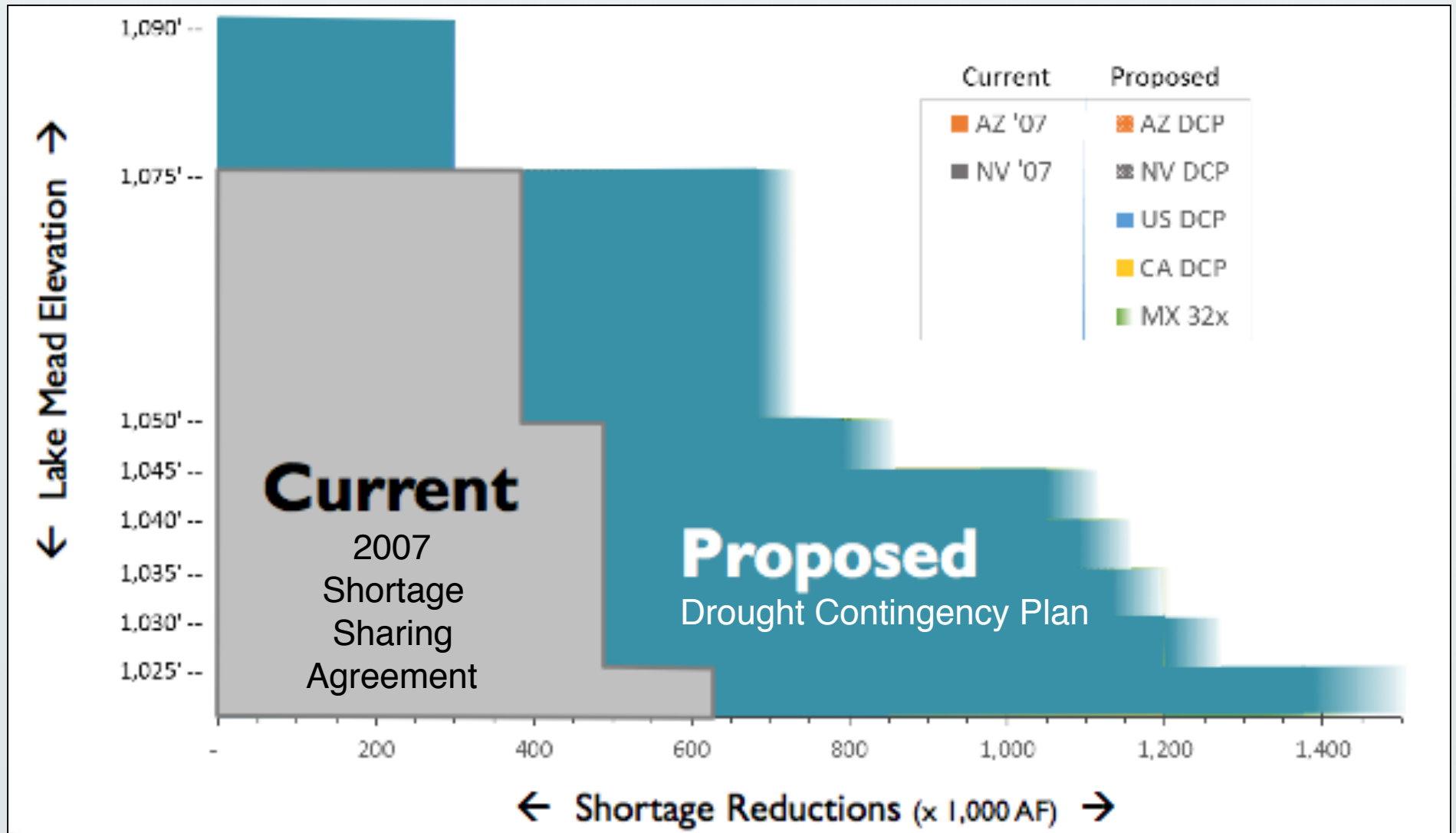


Figure Source: CAP Board Meeting, May 8, 2016

Implications for **Arizona**

Greatest volume of curtailments

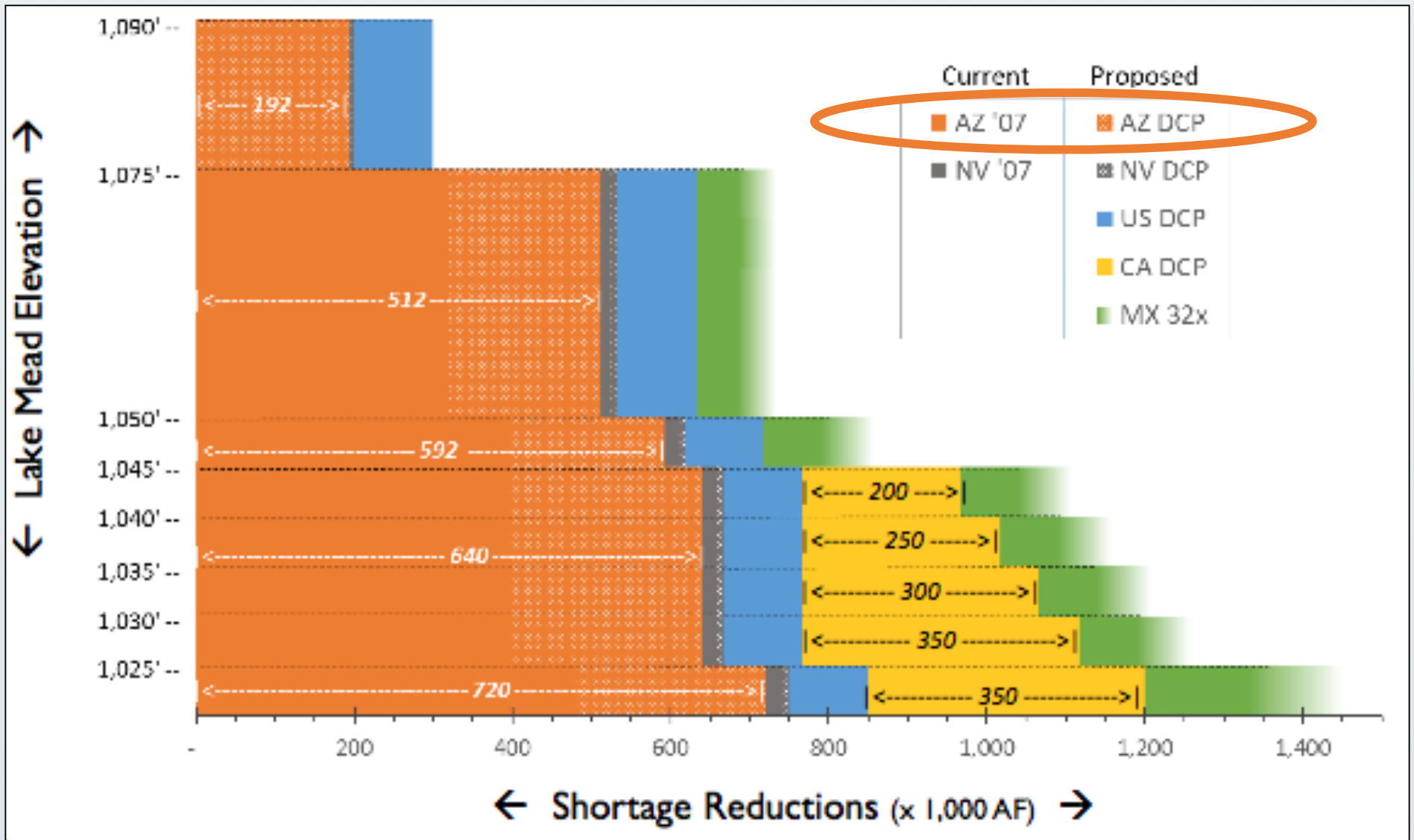
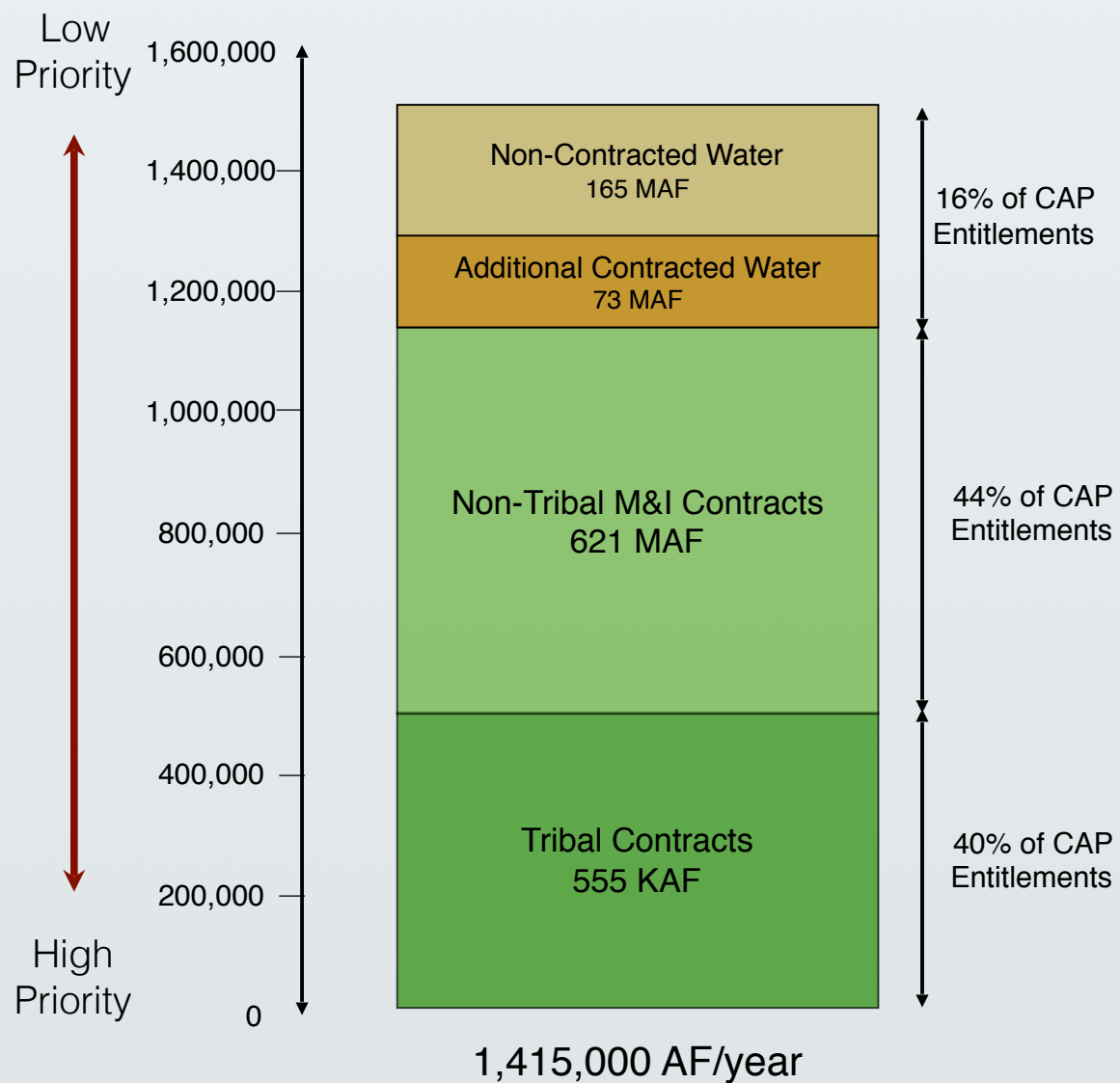
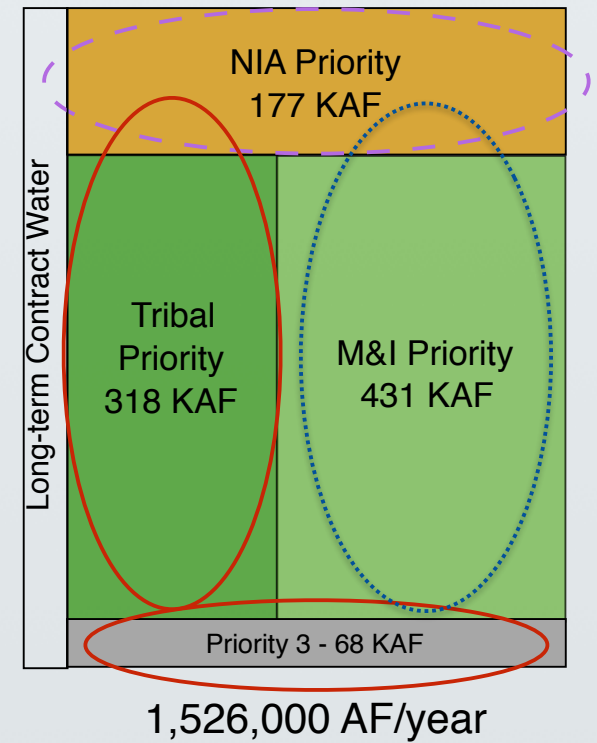
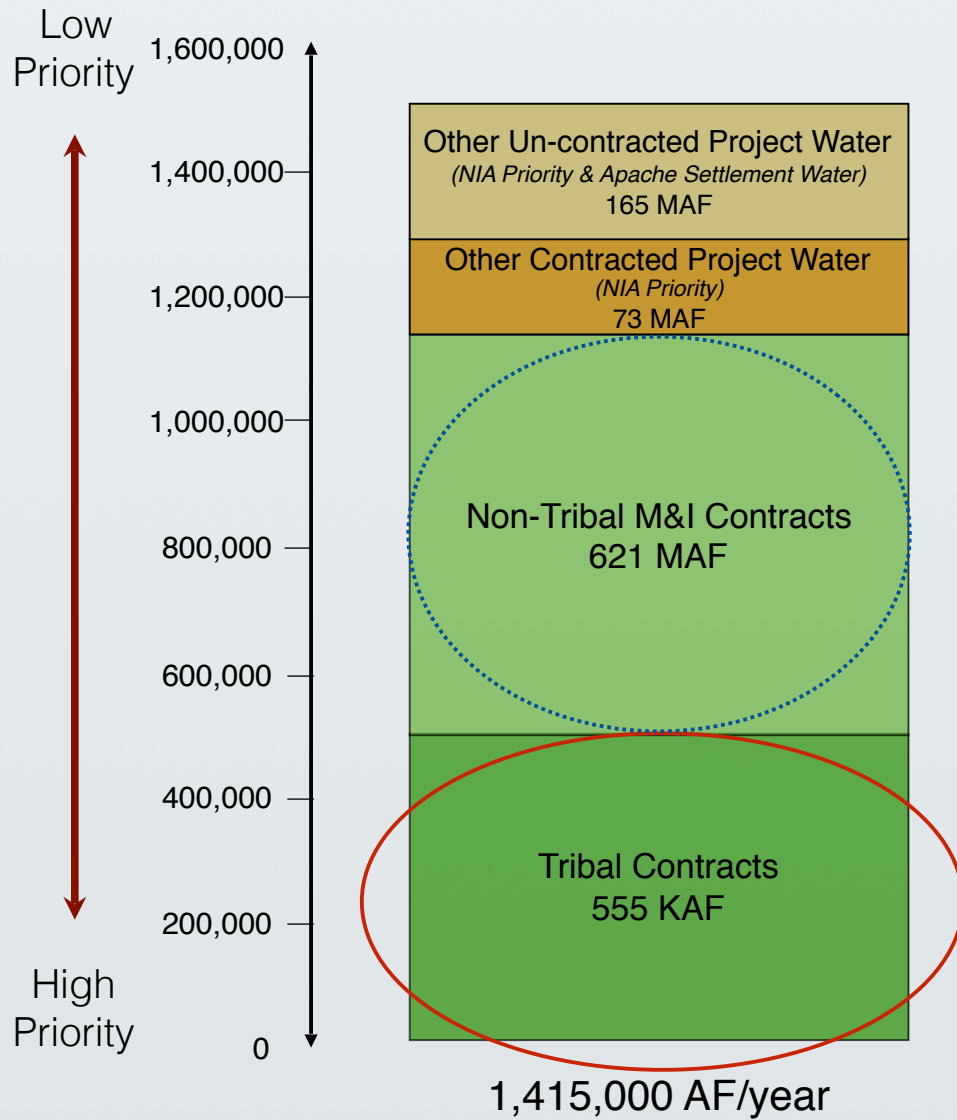


Figure Source: CAP Board Meeting, May 8, 2016

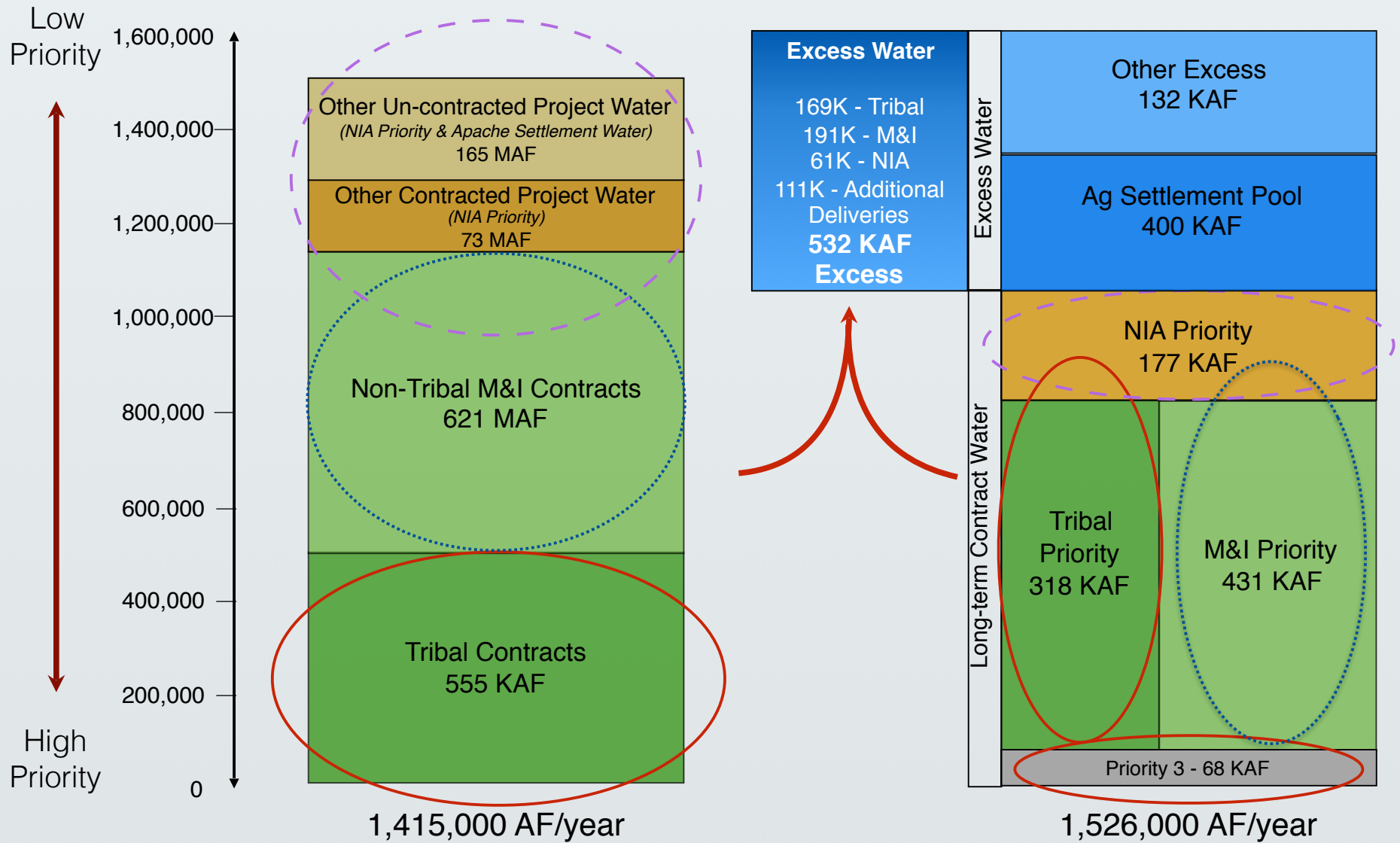
2015 CAP Entitlements



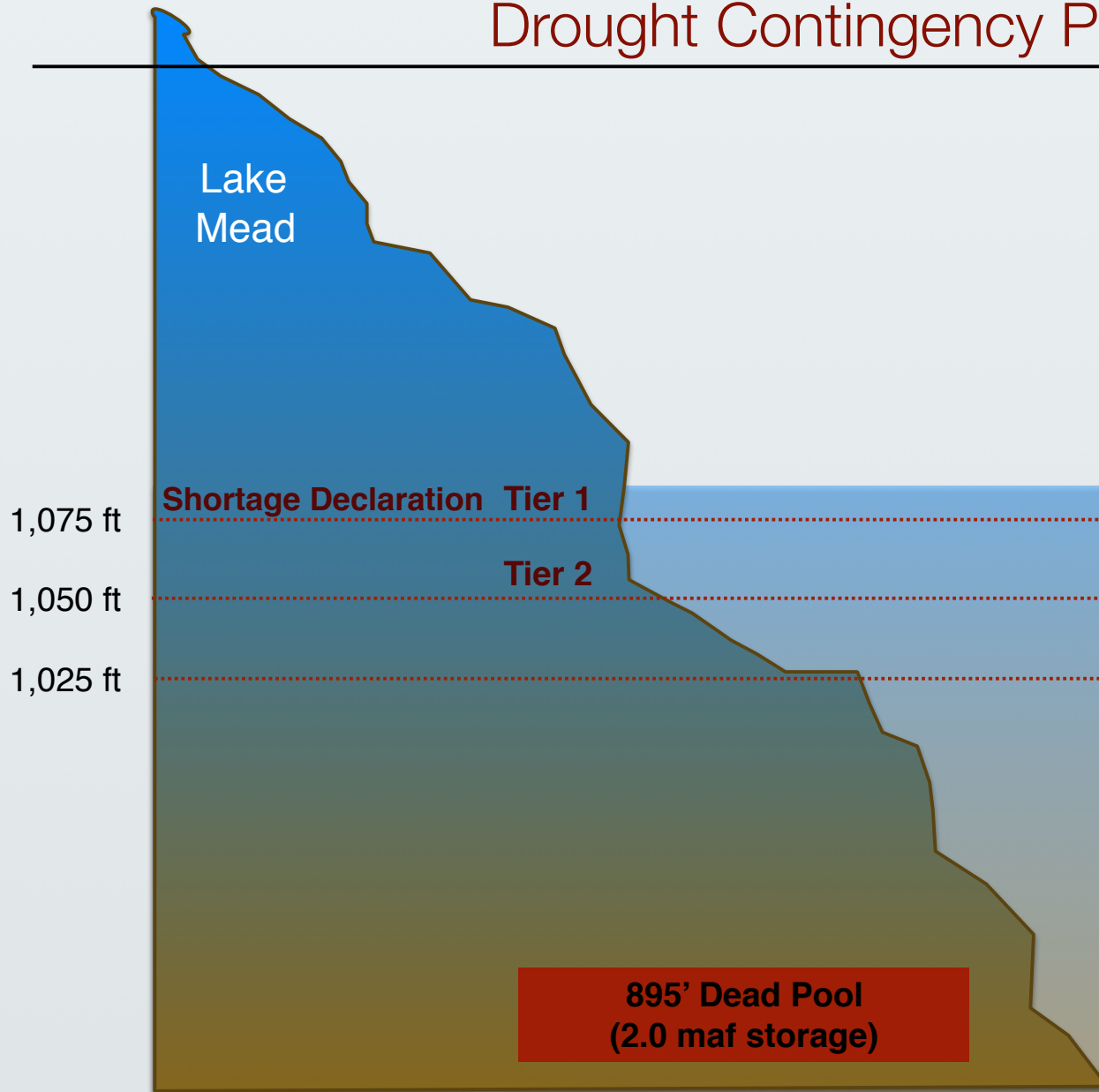
2015 CAP Deliveries



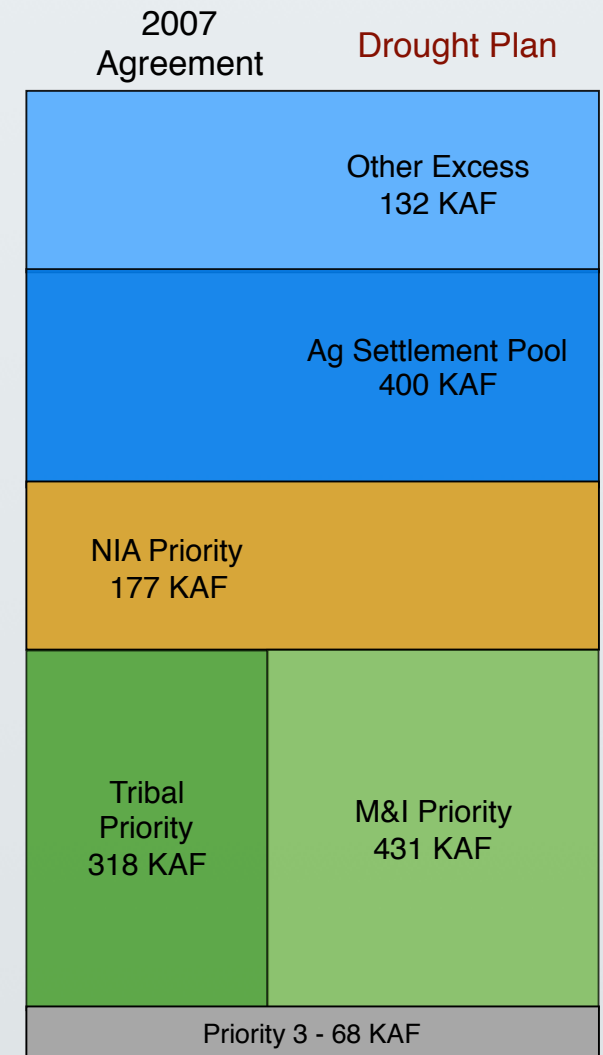
2015 CAP Deliveries



2007 Agreement + Drought Contingency Plan

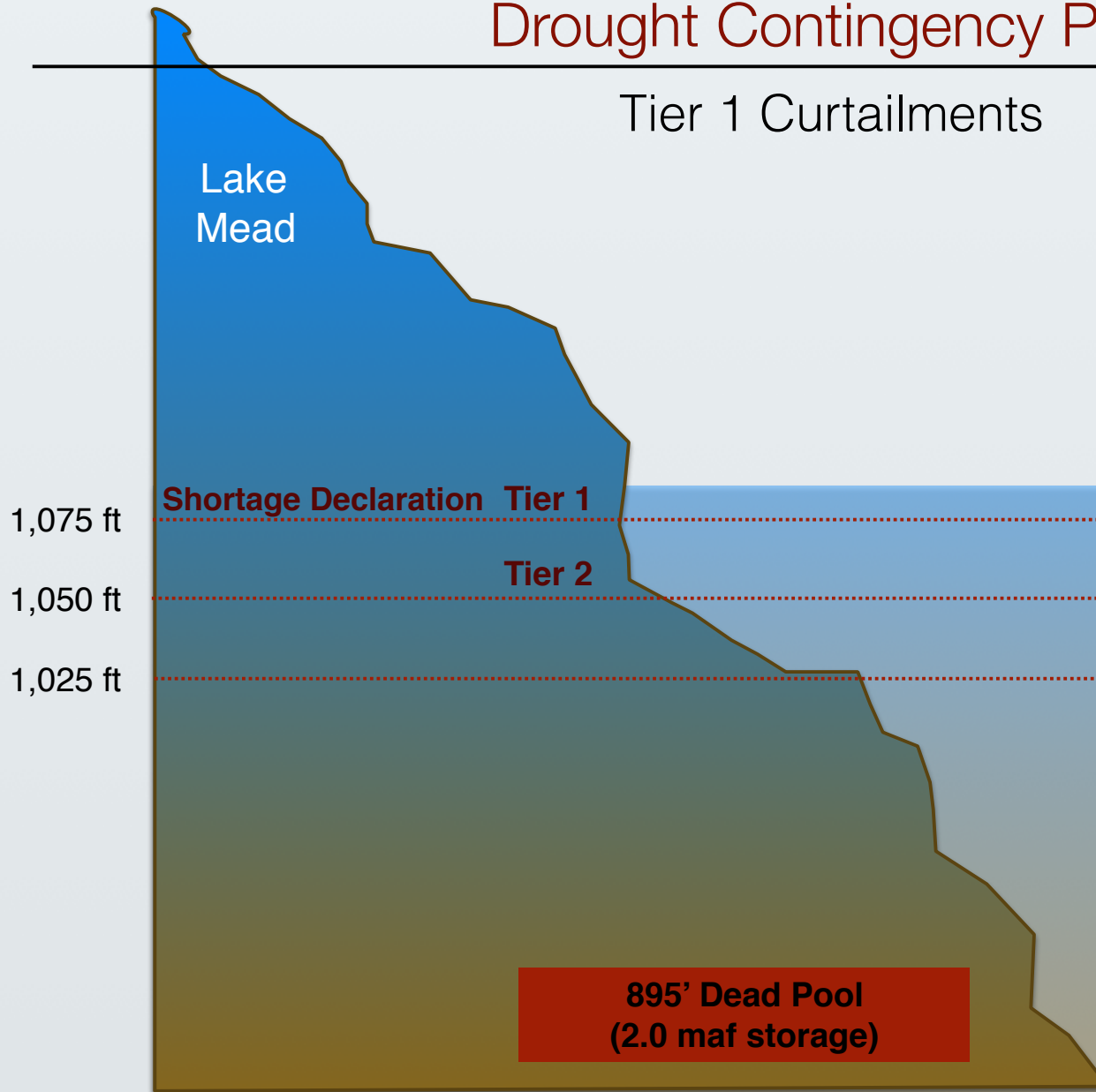


CAP Curtailments



2007 Agreement + Drought Contingency Plan

Tier 1 Curtailments

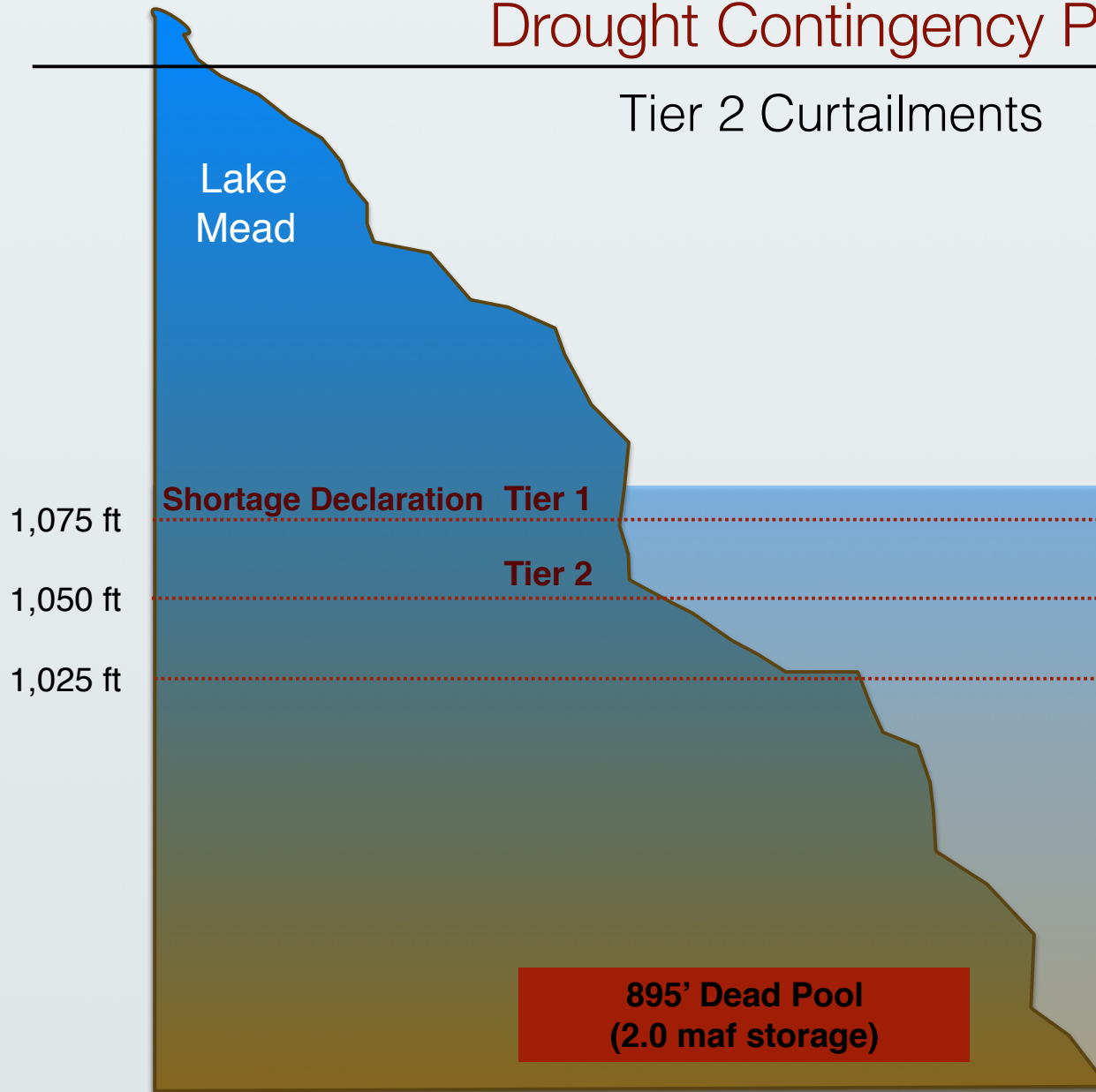


CAP Curtailments

2007 Agreement	Drought Plan
Tier 1 300,000 AF Curtailment	Tier 1 512,000 Curtailment
NIA Priority 177 KAF	
Tribal Priority 318 KAF	M&I Priority 431 KAF
Priority 3 - 68 KAF	

2007 Agreement + Drought Contingency Plan

Tier 2 Curtailments



CAP Curtailments

2007 Agreement	Drought Plan
Tier 2 400,000 AF Curtailment	
	Tier 2 From 592,000 AF
	↓
NIA Priority 177 KAF	720,000 AF
Tribal Priority 318 KAF	M&I Priority 431 KAF
Priority 3 - 68 KAF	

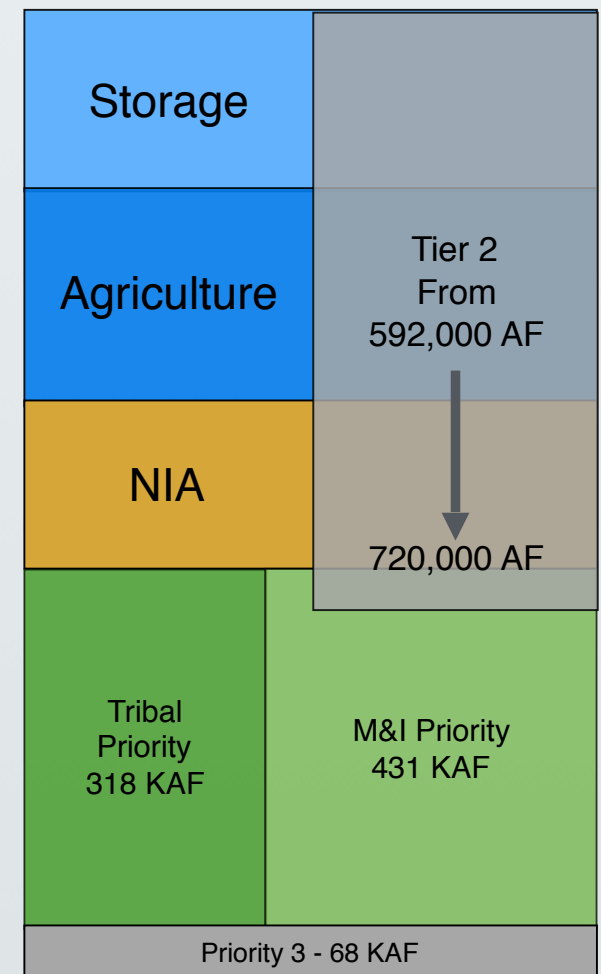
How Can Arizona Absorb the Curtailments Outlined under the Drought Contingency Plan?

“There are opportunities to lessen those effects and, more importantly, to spread the consequences more equitably among agriculture, municipalities and tribes. To that end, I have begun to reach out to water managers in Arizona to explore a collective and voluntary sharing of the impacts and benefits of this potential new agreement.”

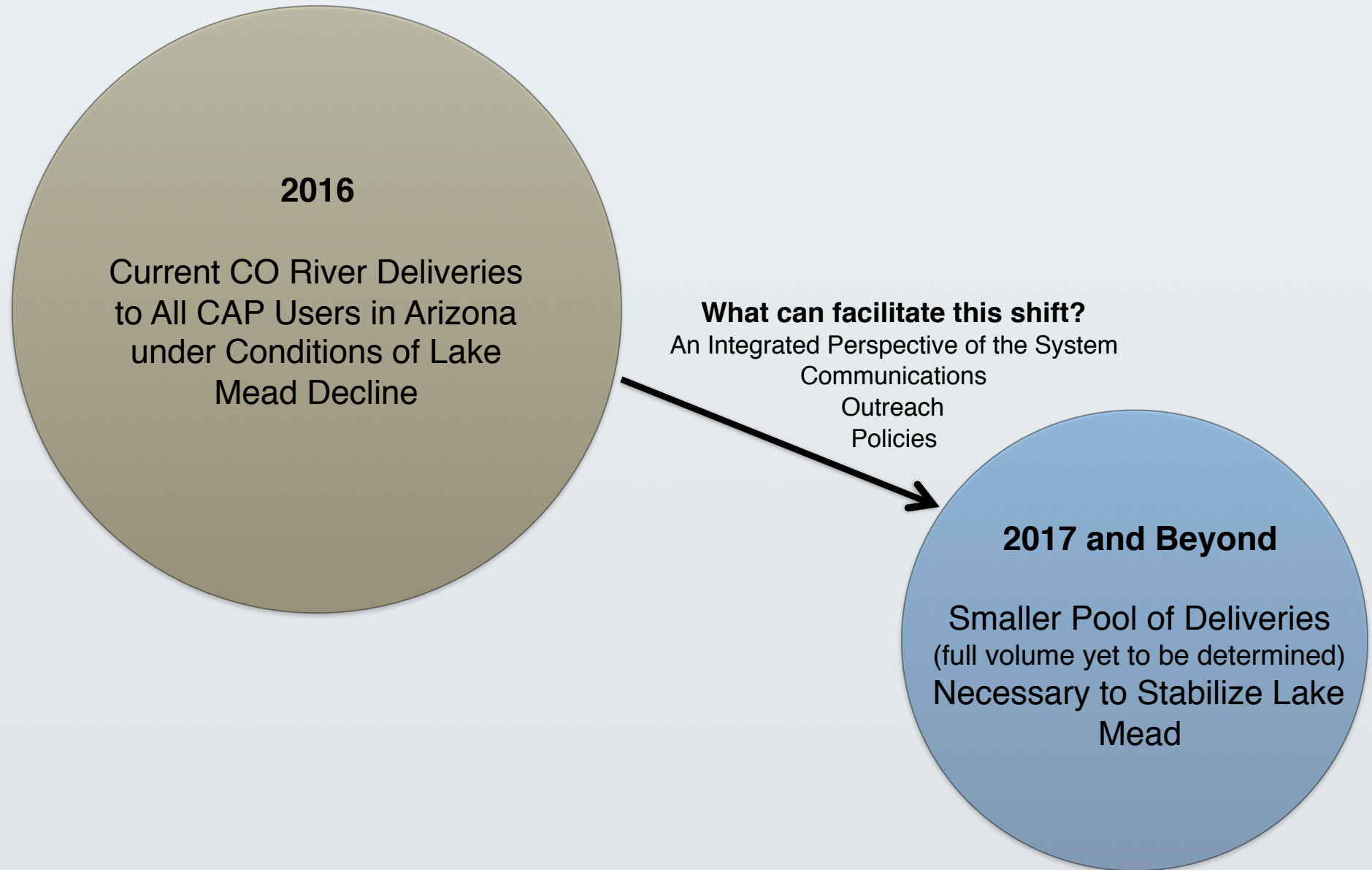
Tom Buschatzke

*Director of the Arizona Department of Water Resources,
April 22 2016 in the Arizona Republic*

CAP Curtailments



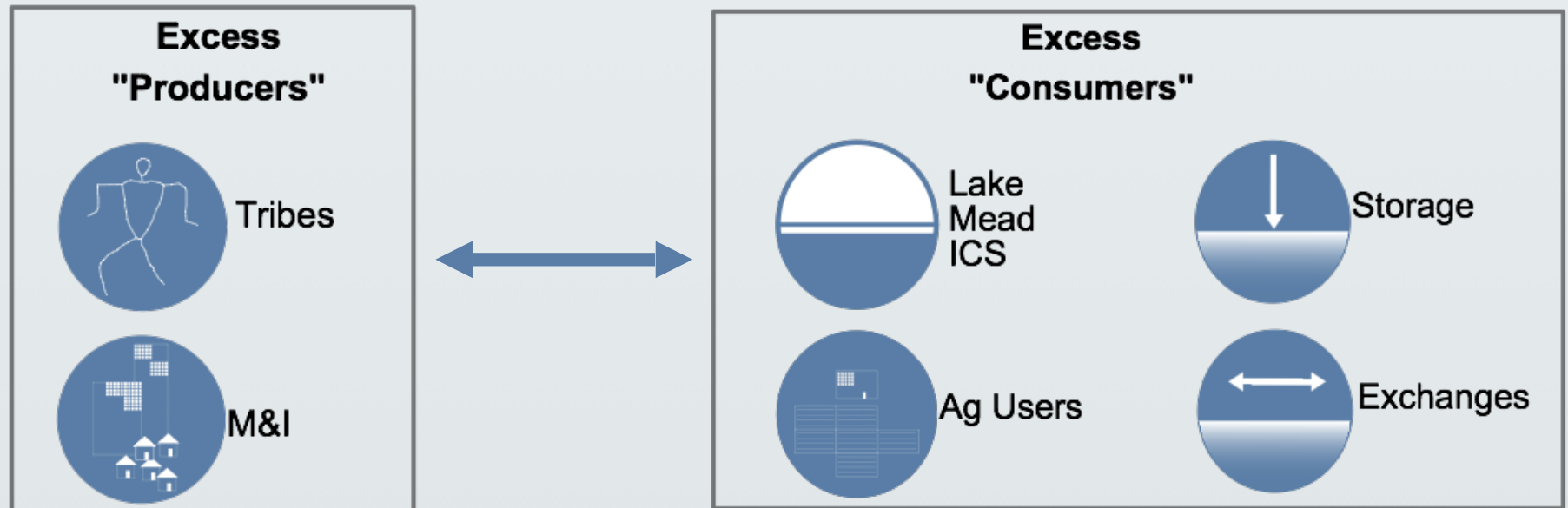
“Share the Burden”



“Share the Remaining Water”



Increased Flexibility in Local Supplies





Thank you

"It's all a question of story. We are in trouble just now because we do not have a good story. We are in between stories. The old story, the account of how the system came to be and how we fit into it, is no longer effective. Yet we have not learned the new story."

~ Thomas Berry ~