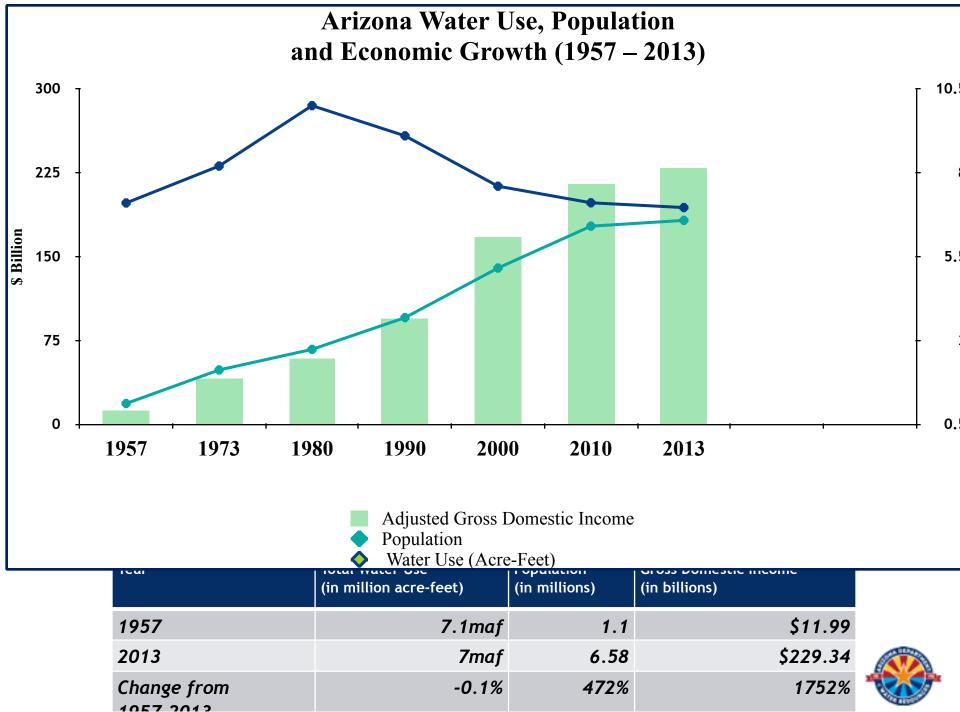
Arizona Department of Water Resources Agency Update

Water Issues & Southern Arizona Forum Southern Arizona Water Users Association

March 6, 2015



Thomas Buschatzke, Director Arizona Department of Water Resources



Actions that Have Contributed to Arizona's Water Management Success

- Salt River Project
- Colorado River Compact
- Central Arizona Project
- Assured and Adequate Water Supply Program
- Underground Storage and Recovery Program & Arizona Water Banking Authority
 - 8.9 MAF stored for future use
- Mandatory Water Conservation Requirements
 - Within the five Active Management Areas
 - <10% water lost or unaccounted for water</p>
 - Best Management Practices
- Drought Preparedness Plan Requirements





Challenges Moving Forward

Short-term Challenges

- Shortage on the Colorado River System is likely
 - 21% Probability in 2016
 - 54% Probability in 2017
 - Lower Basin Annual Deficit
- Water Resources in rural areas of the state are more stressed
 - Primary water source is groundwater
 - Lack of groundwater regulation
 - ➤ Willcox area
 - San Simon Valley Sub-basin

Long-term Challenges

 Growing statewide imbalance between existing water supplies and demand projected in the next 25 years

Driving Forces

- 15 year ongoing drought
- Growth in population and increased water demand



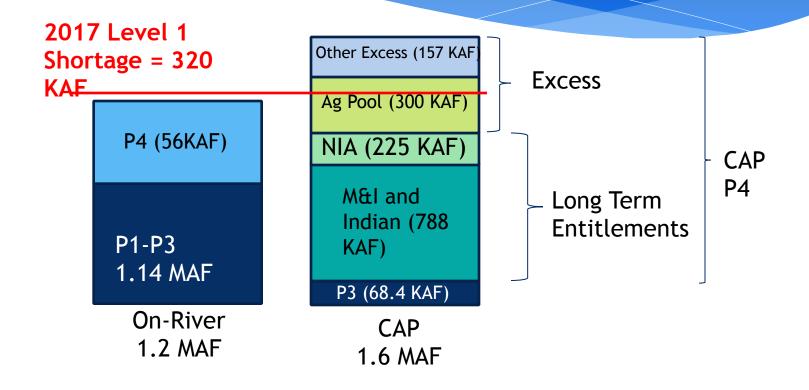
Probabilities of Lower Basin Shortage

	2015	2016	2017	2018	2019
Probability of any level of	0	21	54	62	59
1^{st} level shortage (Mead $\leq 1,075$ and $\geq 1,050$ ft)	0	21	45	40	33
2^{nd} level shortage (Mead <1,050 and \geq 1,025 ft)	0	0	9	19	19
3 rd level shortage (Mead <1,025)	0	0	0	3	7

From Bureau of Reclamation January 2015 CRSS modeling.



Lower Basin Shortage Tiers and Volumes



Arizona Priorities - 2.8 MAF Total



Arizona's Efforts to Address Challenges on the Colorado River - Drought Response Discussions

- ADWR Director Serves as Arizona's Principal on matters relating to the Colorado River (A.R.S. § 45-107 (D))
- Goal of discussions:
 - Conserve 1.5-3.0 MAF in Lake Mead over the next 5 years
 - Reduce the risks of Lake Mead falling below 1000' elevation
- Discussions between:
 - Basin States
 - Department of the Interior
 - Other contract holders
- Memorandum of Understanding
 - CAP = 345,000 AF
 - MWD = 300,000 AF
 - SNWA = 45,000 AF
 - BOR = 50,000 AF



Arizona's Efforts to Address Long-term Challenges Strategic Vision for Water Supply Sustainability

Purpose: Identify strategies to help address future water needs and provide a stable economy for the future.

Findings: Projected imbalance between 900,000 and 3.2 MAF over the next 25 to 100 years.

- Strategic Priorities Identified:
 - Resolution of Indian and Non-Indian Water Rights Claims
 - Watershed/Forest Management
 - Weather Modification
 - Reclaimed Water Reuse
 - Enhanced Stormwater Recharge
 - Water Management
 - Importation of New Water Supplies



Strategic Vision Progress to Date

- Released in January 2014
 - Statewide tour- roughly fifty presentations
- Governor's Council on Water Supply Sustainability
 - Executive Order 2014-10 (November 4, 2014)
 - Tasked with identifying priorities for implementation of the Action Items and Strategic Priorities identified in Strategic Vision
 - Initial Report submitted December 31, 2014
- ASU Morrison Institute for Public Policy Kyl Center on Water Policy
 - Short-term
 - Expedite completing of adjudication
 - Funding
 - ADWR
 - Initiate dialog to plan for future water augmentation projects
 - Medium-term
 - Enhance existing water management strategies
 - Long-term
 - Augmentation



A Glimpse of the Future

- Addressing Colorado River issues will continue to consume significant ADWR resources for the foreseeable future.
- Colorado River shortage will limit water banking opportunities.
 - Transition from era of storage to one of recovery
 - Farming in Central Arizona will be impacted
- Rural Arizona needs attention
 - ADWR will continue to work with local water users to develop effective groundwater management solutions for individual areas.

Questions?

Thomas Buschatzke, Director

Phone: 602.771.8426

tbuschatzke@azwater.gov

www.azwater.gov



PROTECTING
ARIZONA'S WATER SUPPLIES
for ITS NEXT CENTURY