

CAP Aqueduct System

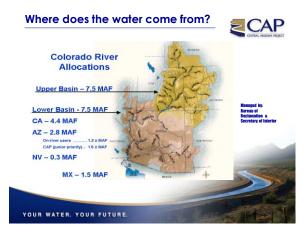


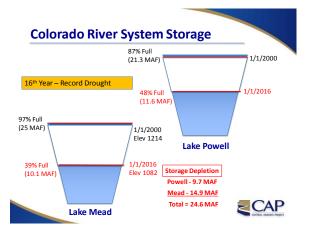
Pleasant Reservoir Waddell Pump/Gen Plant

> 6 groundwater recharge sites More than \$4 billion Delivers 1.6 MAF/year of Colorado River water (1 acre-foot = 325,851 gallons)

336-mile aqueduct from Lake Havasu to Tucson14 pumping plants lift water nearly 3000 feetNew Waddell Dam & Lake

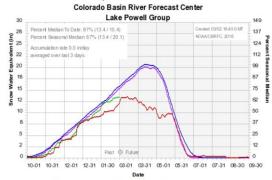






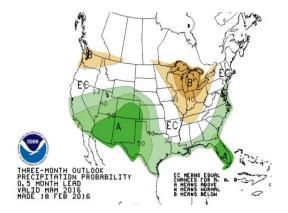


Lake Powell Snotel Group



Median 1981-2010 - Average 1981-2010 - 2016 - 2015 -







Shortage Sharing

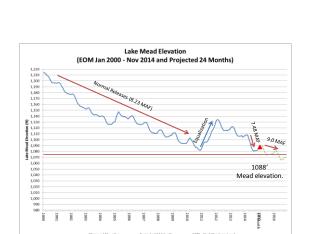
- Arizona and Nevada share Lower Basin shortages under the 2007 Guidelines
- Mexico voluntarily agreed in Minute 319 to accept reductions in its deliveries at the same elevations

Lake Mead Elevation	Arizona Reduction	Nevada Reduction	Mexico Reduction
1075′	320,000 AF	13,000 AF	50,000 AF
1050′	400,000 AF	17,000 AF	70,000 AF
1025′	480,000 AF	20,000 AF	125,000 AF

No reductions to California under 2007 Guidelines

ZCAP





Colorado River Status: Future Shortage?

16th Year -- Ongoing Record Drought

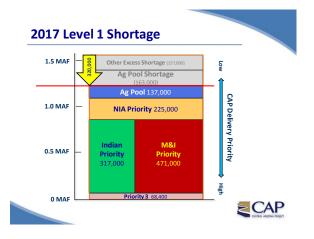
Lake Mead is at elevation 1084 feet = 40% capacity

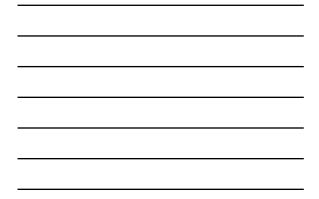
- 2016 No Shortage
- 2017 15% probability
- 2018 52% probability

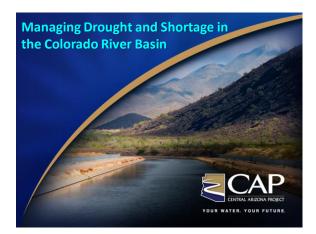












Drought Response & Sustainability Strategies

Storage

CAP and Arizona Water Bank stored water underground for future recovery during shortages (3.7 MAF – over twice of CAP's annual diversions from the Colorado)

Conservation/Efficiency

- OUNSERVATION FEITURENCY
 System Conservation Agreement (largets 75 KAF)
 Pilot System Conservation Agreement (largets 740 KAF)
 Pilot Drught Response Actions MOU (largets 740 KAF)
 Brock Reservoir water savings (100 KAF/year)
 Workgroup exploring options to address bypass and excess flows to
 Mexico

Augmentation

- gmentation Expand Weather Modification projects in the Upper Basin (2006-present) & Tamarisk removal Desalination studies for the Lower Basin (desalination is "drought proof") Potential partnerships for Seawater Reverse Osmosis with Mexico and other U.S. Users Yuma Desalting Plant pilot run

Overview of MOU: Reservoir Protection

- CAP is working on a reservoir protection plan with other Lower Basin water users and taking steps to protect Lake Mead (MOU is the first step)
- Protection Volume: use "best efforts" to create additional storage or system water
- Term: '14 '17
- CAP = 345 kaf (stored >200 kaf to date)
- MWD = 300 kaf
- SNWA = 45 kaf
- BOR = 50 kaf



Use of CAP Water By Golf Courses

- CAP water is used by more than 20 courses at an annual volume of 10,000+ acre feet
- Excess water supply for golf courses and other small users has diminished; no excess water will be available in the near term
- Most courses have agreements with M&I subcontractors for untreated, priority water and pay fees to the municipality







How Much Water?



Arizona's Annual Allocation 2.8 million acre-feet

CAP = 1.6 million acre-feet

Directly off the Colorado River in western Arizona = 1.2 million acre-feet

pre-1968 mainstream water users have priority over CAP





Municipal & Industrial 31%

Native American Communities 35%



Agriculture 26%



YOUR WATER. YOUR FUTURE.



CAP Service Area

- 3 counties
- 5 million people (80% of Arizona's population)
- 350,000 acres of irrigated agriculture
- 11 Native American tribes



