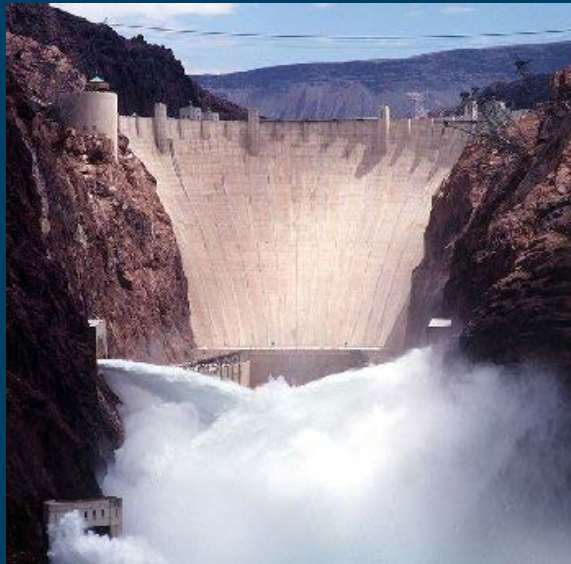


COLORADO RIVER BASIN STATUS UPDATE

Presented to

**Arizona Water Banking Authority
June 20, 2018**

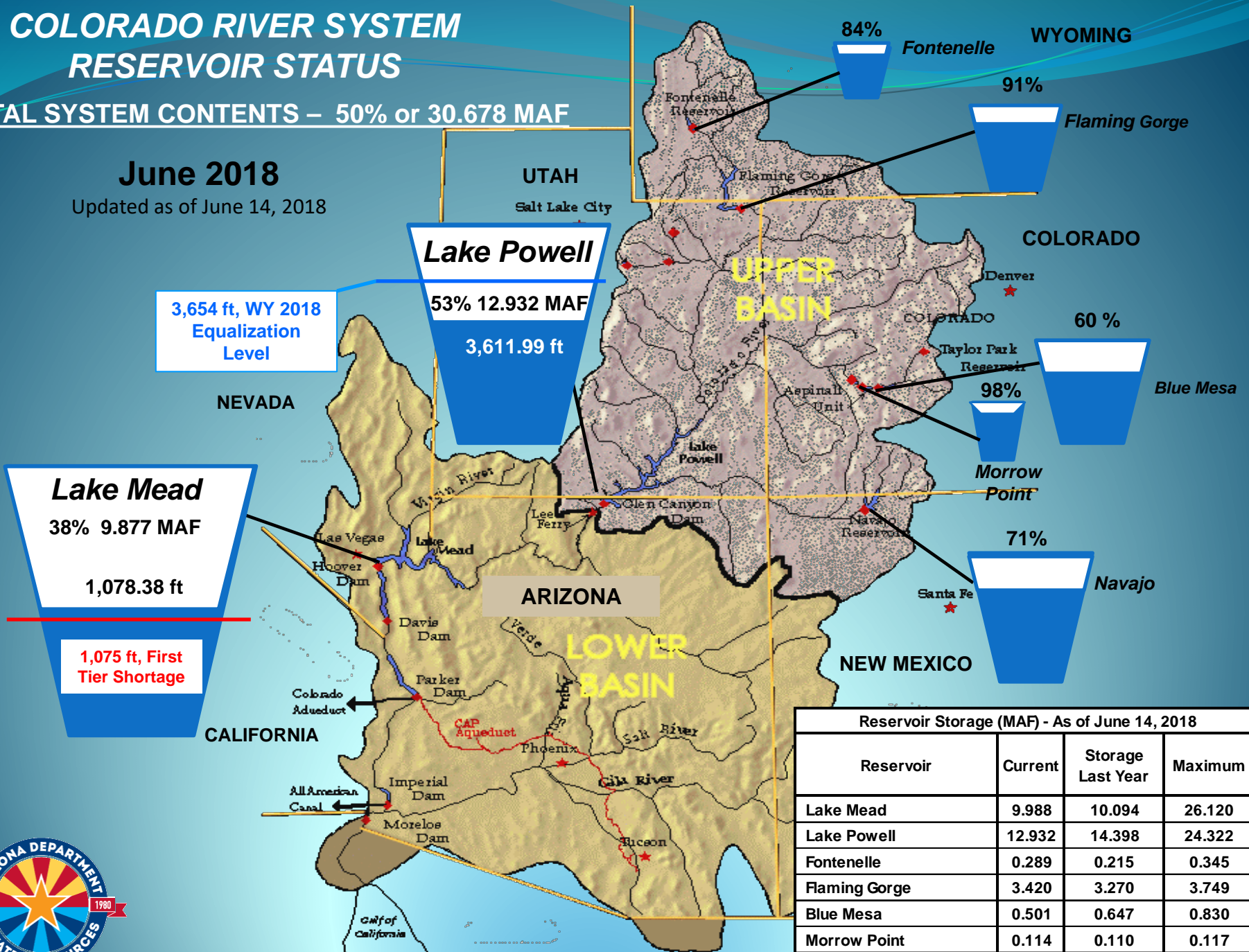


COLORADO RIVER SYSTEM RESERVOIR STATUS

TOTAL SYSTEM CONTENTS – 50% or 30.678 MAF

June 2018

Updated as of June 14, 2018



3,654 ft, WY 2018
Equalization
Level

Lake Powell
53% 12.932 MAF
3,611.99 ft

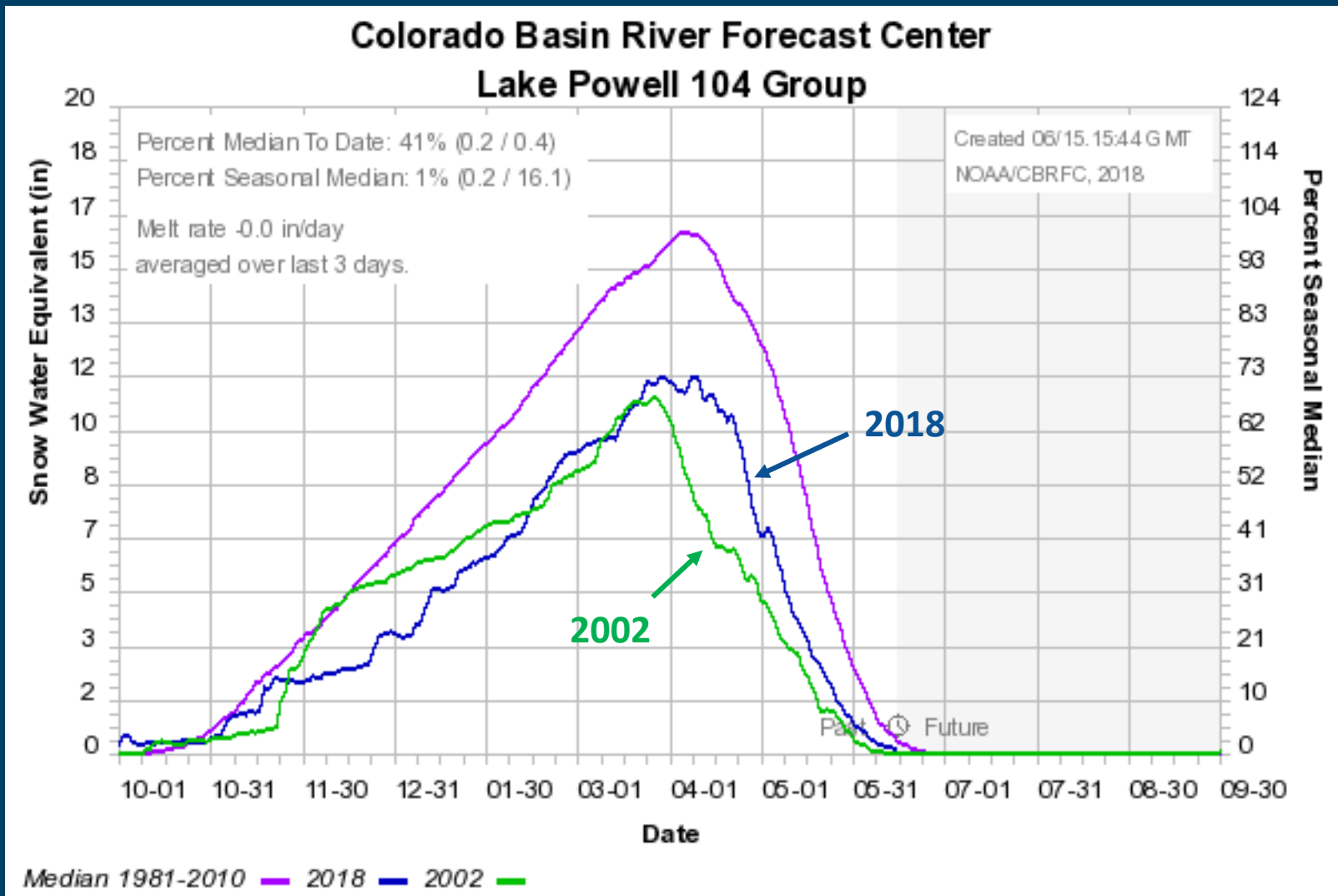
Lake Mead
38% 9.877 MAF
1,078.38 ft
**1,075 ft, First
Tier Shortage**

Reservoir Storage (MAF) - As of June 14, 2018			
Reservoir	Current	Storage Last Year	Maximum
Lake Mead	9.988	10.094	26.120
Lake Powell	12.932	14.398	24.322
Fontenelle	0.289	0.215	0.345
Flaming Gorge	3.420	3.270	3.749
Blue Mesa	0.501	0.647	0.830
Morrow Point	0.114	0.110	0.117
Navajo	1.200	1.510	1.696

Data Source: United States Bureau of Reclamation



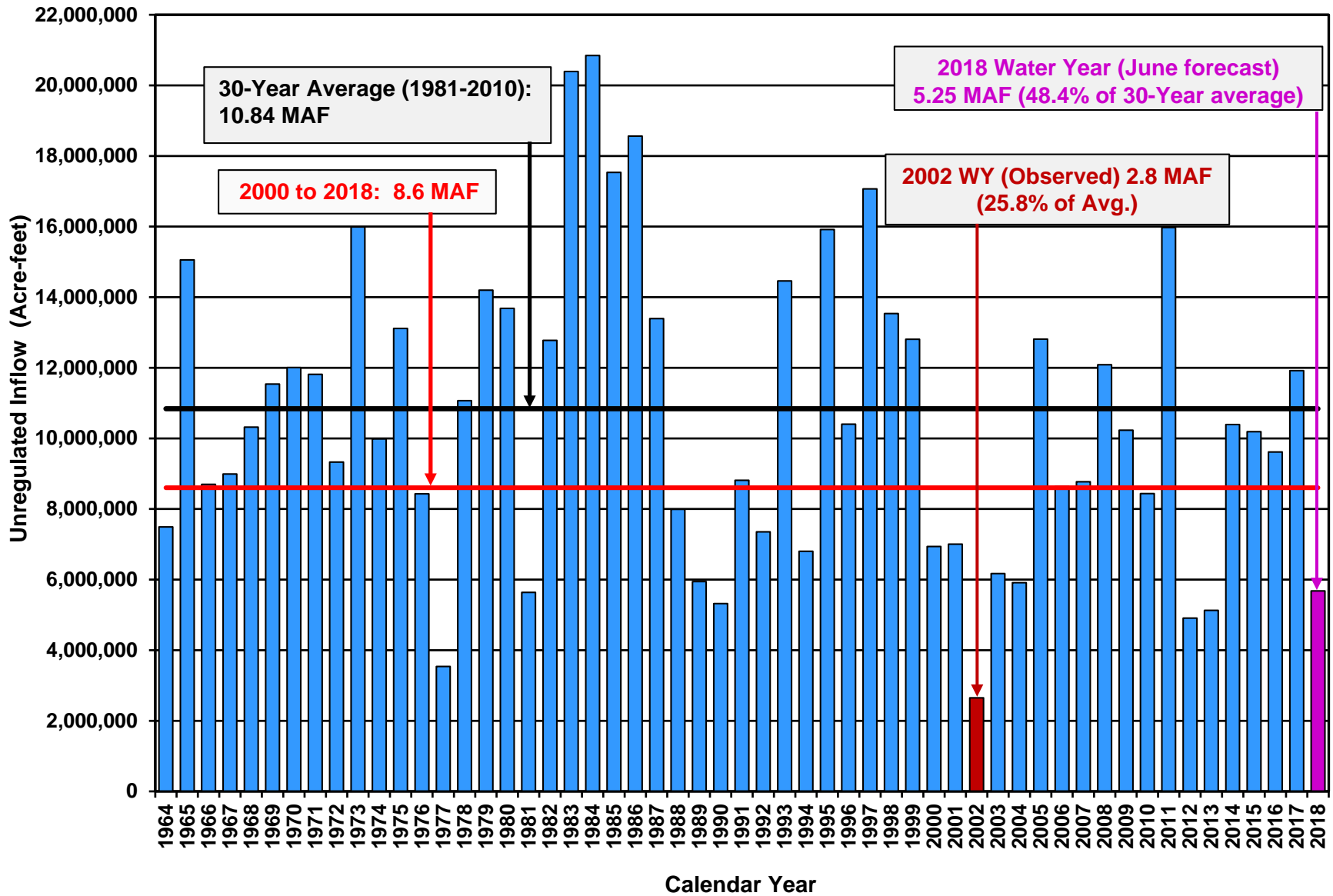
COLORADO BASIN RIVER FORECAST CENTER CURRENT SNOWPACK



Source: Colorado Basin River Forecast Center



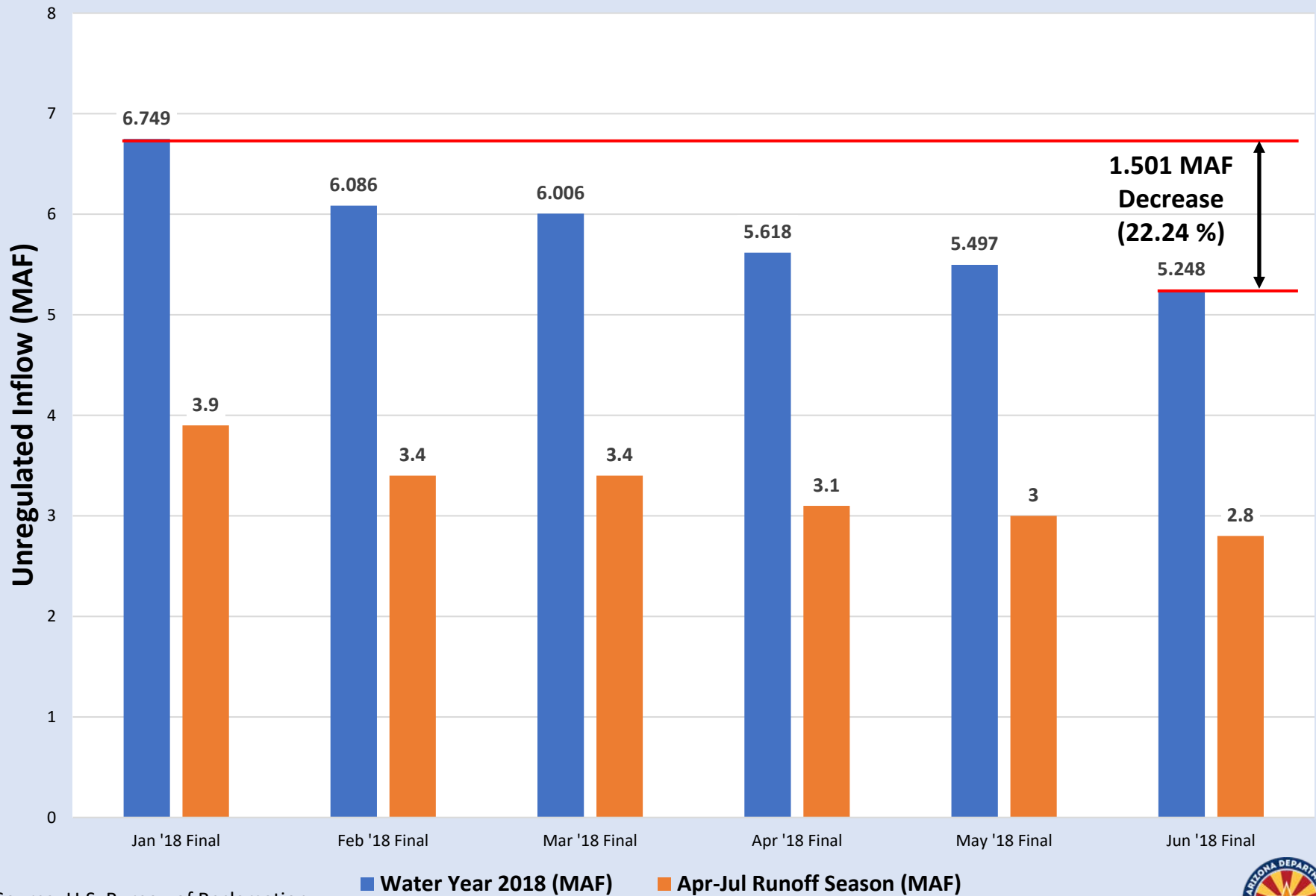
Lake Powell Unregulated Inflow (Water Year)



Source: U.S. Bureau of Reclamation



Unregulated Inflow Into Lake Powell (Most Probable)



Source: U.S. Bureau of Reclamation

■ Water Year 2018 (MAF)

■ Apr-Jul Runoff Season (MAF)



COLORADO RIVER BASIN ELEVATIONS AND STORAGE

June 24 Month Study Projections

Projected Storage	EOCY 2018*			EOCY 2019*		
	Percent Full	MAF	Elevation (Feet)	Percent Full	MAF	Elevation (feet)
Lake Powell	44%	10.69	3,588.53	40%	9.84	3,578.82
Lake Mead	38%	9.82	1,077.68	36%	9.46	1,073.26

* Based on June 2018 24-MS

ICS Creation	2018*	2019*
	[AF]	[AF]
California	- 36,400	51,600
Arizona	0	0
Nevada	29,000	29,000

* Based on June 2018 24-MS



Probabilities of Lower Colorado River Basin Shortage

U.S. Bureau of Reclamation MTOM/CRSS Model Run – January 2018

	2018	2019	2020	2021	2022
Probability of any level of shortage (Mead \leq 1,075 ft.)	0	17	49	58	63
1 st level shortage (Mead \leq 1,075 and \geq 1,050 ft)	0	17	48	43	39
2 nd level shortage (Mead $<$ 1,050 and \geq 1,025 ft)	0	0	1	15	18
3 rd level shortage (Mead $<$ 1,025)	0	0	0	$<$ 1	5

U.S. Bureau of Reclamation MTOM/CRSS Model Run – April 2018

	2019	2020	2021	2022	2023
Probability of any level of shortage (Mead \leq 1,075 ft.)	N	52	64	68	65
1 st level shortage (Mead \leq 1,075 and \geq 1,050 ft)	0	51	43	38	29
2 nd level shortage (Mead $<$ 1,050 and \geq 1,025 ft)	0	1	21	23	24
3 rd level shortage (Mead $<$ 1,025)	0	0	0	6	12

N = Negligible

