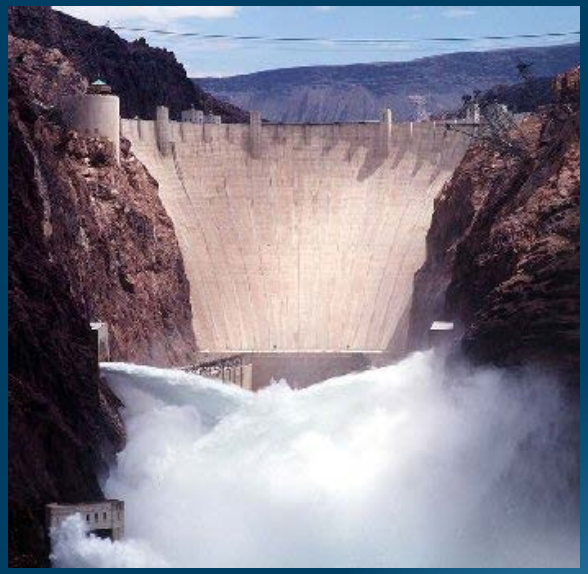
COLORADO RIVER BASIN UPDATE AND STATUS

Presented to

Arizona Water Banking Authority

June 28, 2017



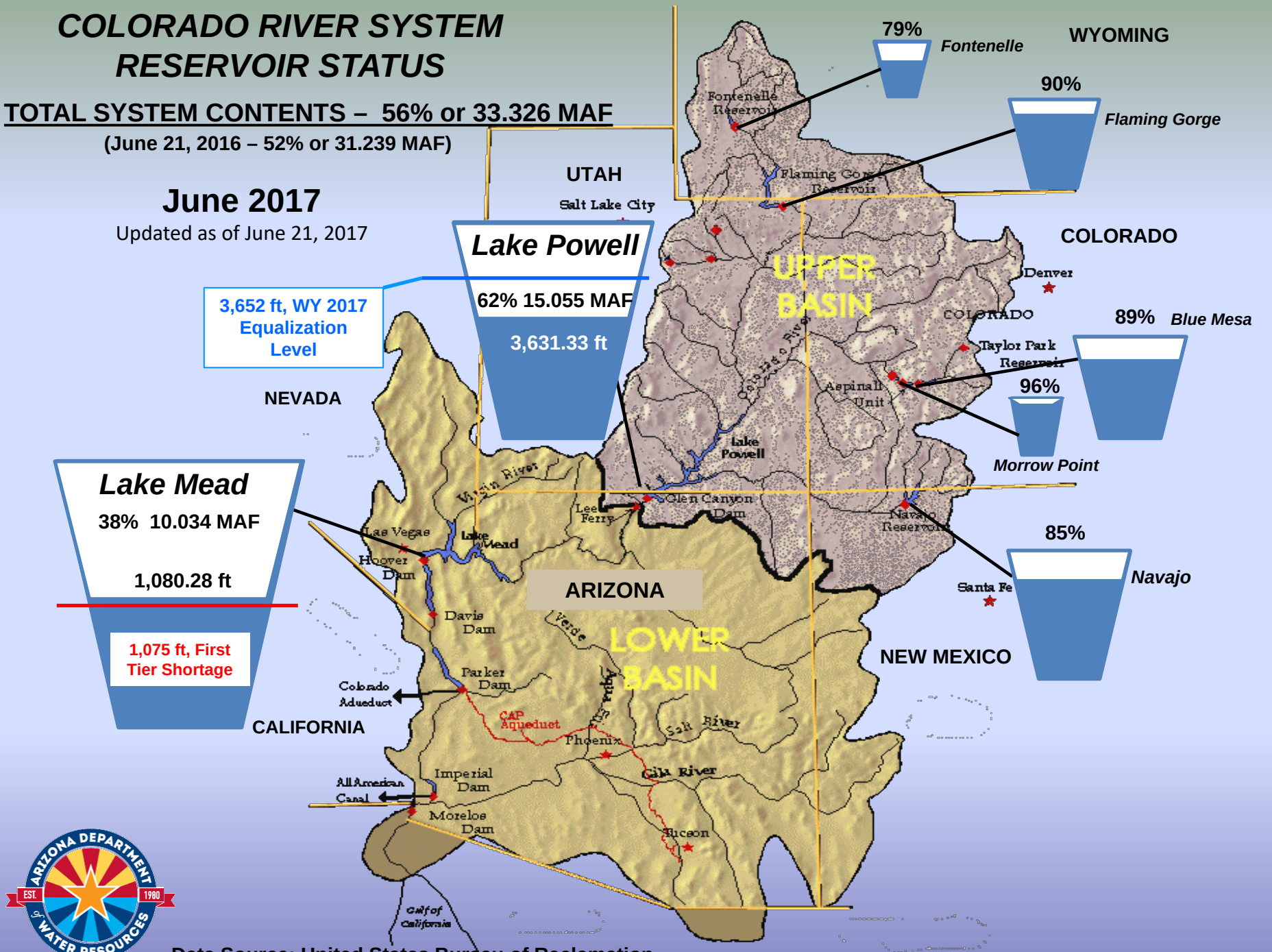
COLORADO RIVER SYSTEM RESERVOIR STATUS

TOTAL SYSTEM CONTENTS – 56% or 33.326 MAF

(June 21, 2016 – 52% or 31.239 MAF)

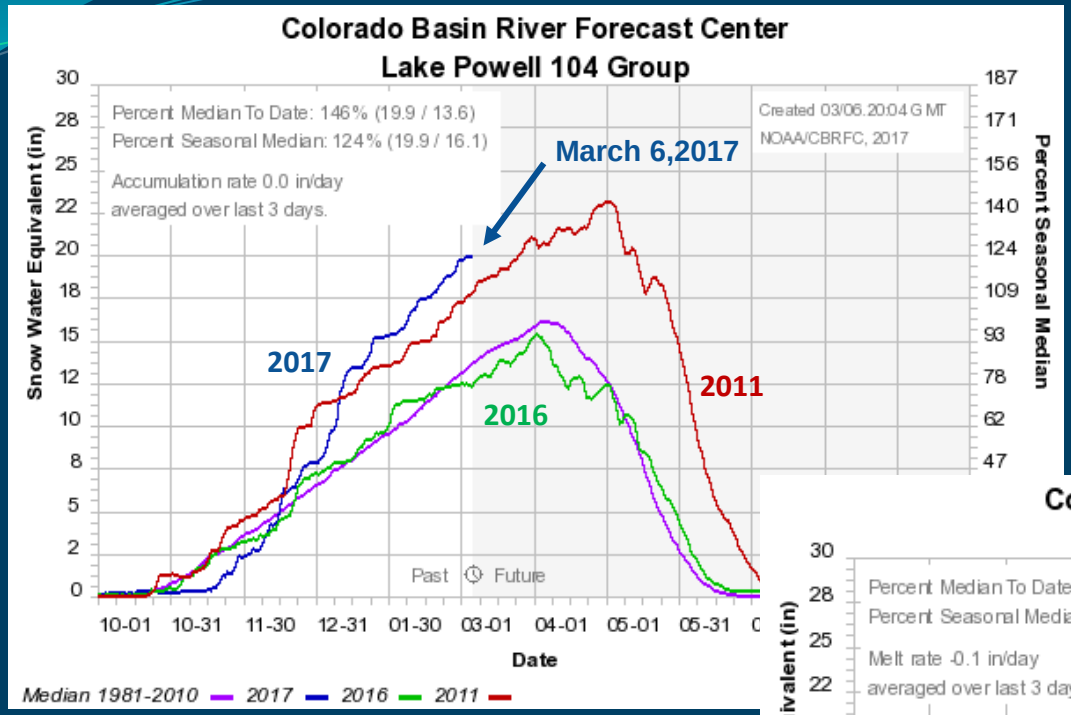
June 2017

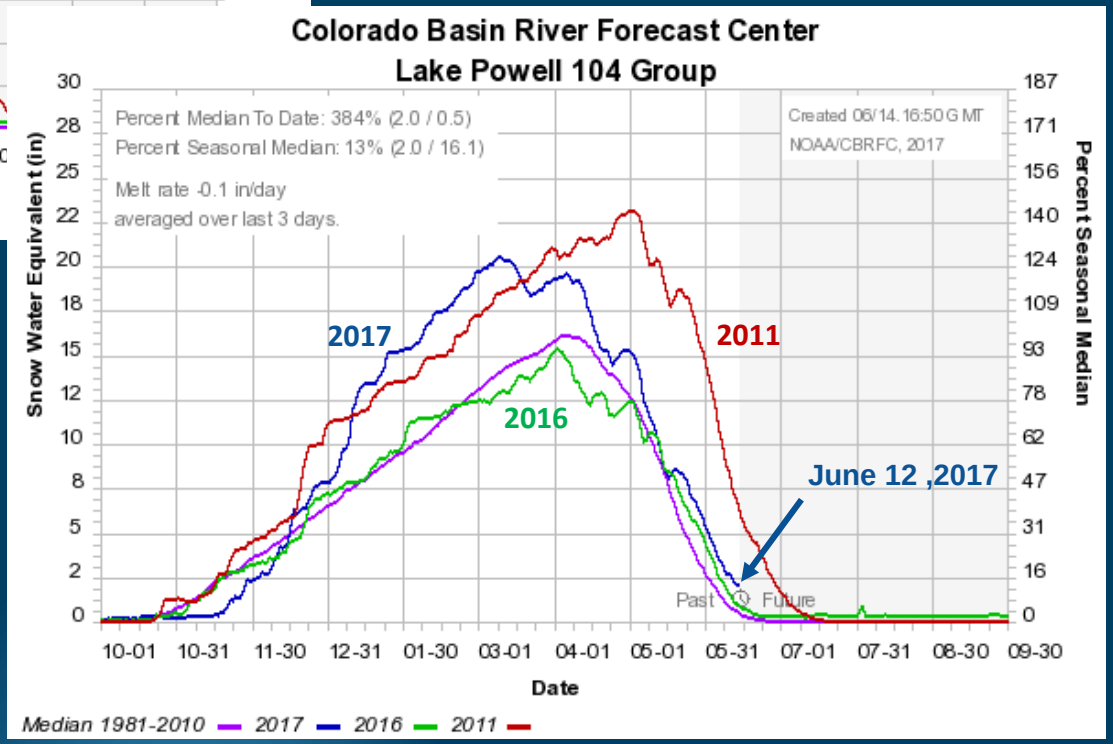
Updated as of June 21, 2017



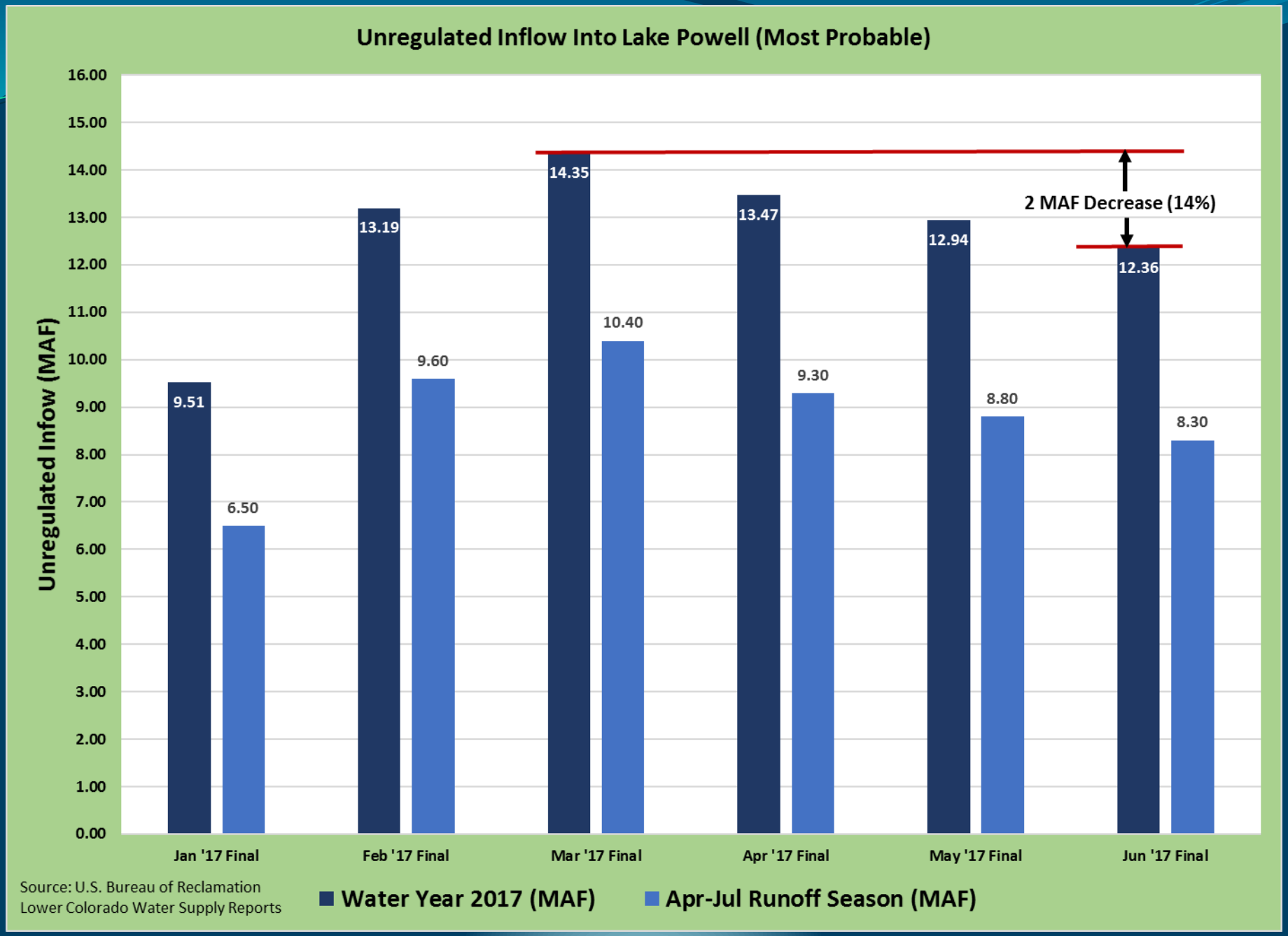
Data Source: United States Bureau of Reclamation

COLORADO RIVER BASIN FORECAST CENTER CURRENT SNOWPACK





Source: Colorado Basin River Forecast Center


Unregulated Inflow Into Lake Powell (Most Probable)
Unregulated Inflow (MAF)
16.00
15.00
14.00
13.00
12.00
11.00
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
9.51
6.50
13.19
9.60
14.35
10.40
13.47
9.30
12.94
8.80
12.36
8.30
2 MAF Decrease (14%)
Jan '17 Final
Feb '17 Final
Mar '17 Final
Apr '17 Final
May '17 Final
Jun '17 Final
Source: U.S. Bureau of Reclamation
Lower Colorado Water Supply Reports
Water Year 2017 (MAF)
Apr-Jul Runoff Season (MAF)

Projected January 1, 2019 Lake Mead Elevations

24-Month Study	Projected WY 2018 Lake Powell Inflow	Projected WY 2018 Release from Lake Powell	Projected January 1, 2019 Lake Mead Elevation	
May-17	10.9 MAF	10.9 MAF	1,096.77 ft	
Jun-17	9.9 MAF	9.0 MAF	1,076.53 ft	-20 feet

Source: Bureau of Reclamation 24-Month Studies

Probabilities of Lower Colorado River Basin Shortage

U.S. Bureau of Reclamation MTOM/CRSS Model Run – January 2017

	2018	2019	2020	2021	2022
Probability of any level of shortage (Mead ≤ 1,075 ft.)	**34**	**30**	**29**	**33**	**36**
1st level shortage (Mead ≤ 1,075 and ≥1,050 ft)	34	30	27	25	25
2nd level shortage (Mead <1,050 and ≥1,025 ft)	0	<1	1	7	8
3rd level shortage (Mead <1,025)	0	0	<1	1	3

U.S. Bureau of Reclamation MTOM/CRSS Model Run – April 2017

	2018	2019	2020	2021	2022
Probability of any level of shortage (Mead ≤ 1,075 ft.)	**N**	**31**	**32**	**34**	**39**
1st level shortage (Mead ≤ 1,075 and ≥1,050 ft)	0	31	31	26	27
2nd level shortage (Mead <1,050 and ≥1,025 ft)	0	0	1	8	9
3rd level shortage (Mead <1,025)	0	0	0	<1	3

N = Negligible