

Explanation of Compromise Scenario  
 Avoid UB Curtailment, Minimize LB shortage, no adverse affect on UB yield  
 As of 11\19\2007

Tier = Jan 1 res. conditions based on August 24-month study

Operations adjusted monthly to achieve September 30 active storage goal

Powell EQ consistent with 602(a) & not less than 14.85 maf

Jan 1 Powell Elevation (ft)	Powell Operation Tiers (subject to April Adjustments or mid-year review)	Powell Live Storage (maf)
3700	EQ Tier **  Equalize, avoid spill or 8.23 maf expected 30% of time	24.32
3630.0 - 3666 (2006 - 2026) 2008 = 3636	Upper Balancing Tier  8.23 maf release if Mead above 1075; If Mead below 1075 balance contents min\max release 7.0 and 9.0 maf	14.85 - 19.29 (2006 - 2026) 2008 = 15.54  11.419
3575	7.48 maf release if Mead above 1025;  If Mead below 1025 make 8.23 maf release	9.52
3525	Lower Balancing Tier  Balance Contents min\max release 7.0 and 9.5 maf	5.93  4.00
3490 (min. power)		
3370		0.00

Mead Storage is not adjusted for ICS (i.e. is part of storage content)

Jan 1 Mead Elevation (ft)	Mead Operations	Mead Live Storage (maf)
1220	Flood Control (ICS reduced af for af) or Quantified Surplus	25.94
70R Strategy	Domestic Surplus (+450 kaf)	
1145	Prev. Partial Dom Surp 1125	15.90
1114.73	Normal 9.0 maf release	13.85  12.88
1105		
1075	400 kaf shortage 7.167 maf of CU in US	9.37
1050 (SNWA Upper Intake)	500 kaf shortage 7.083 maf CU in US	7.47 (Min. Power)
1025	600 kaf shortage 7.0 maf of CU in US	5.80
1000 (SNWA Low Intake)		4.33
895		0.00

Historic Low - March 2005; Elevation 3555.90; Contents 8.015 maf

Projected Low - July 2009; Elevation 1086.72; Content 10.336 maf

\*\* In EQ (& Upper Balancing) Tier, Release = 8.23+ down to EQ line, if Mead below 1105 then 8.23 maf + until Powell 20 ft below EQ line or until Mead =1105 or EQ with Powell on 9\30.  
 Maximum ICS accumulation = 2.1 maf. Max. Creation = .625 maf Max Delivery 1.0 maf Overruns must be repaid in before ICS delivery  
 DSS (trib or Import only) may only be created during a shortage, 5% reduction for evapwill result in additional storage in Mead.  
 DSS can't increase LB delivery in excess of 7.5 maf. DSS can only be delivered in the year it was created.

Mead below 1075 while Powell is in Upper Balancing Zone (eq line & 3575) = 15% of time (295\98\*20)

Mead below 1025 while Powell is in the 7.48/8.23 Zone (3575 & 3525) = 2.6 % of time (51\98\*20)

Mead below 1075 while Powell is in 7.48/8.23 Zone (3575 & 3525) & in previous year Powell in lower balance zone (below 3525)  
 = .9 % of time (17\98\*20)

Mead at or below 1075 & Powell in Upper Balancing Zone (eq line & 3575) and in previous year Powell in the 7.48/8.23  
 = 3.2 % of time (62\98\*20)

Blue indicates the previous operation strategy that did not change.

Red indicates portions of previous strategy that were eliminated.

Black, in combination with Blue indicates the proposed operations strategy