

Excess Water Agenda Number 2, Attachment 1



P.O. Box 43020 • Phoenix, AZ 85080-3020
 23636 North Seventh Street • Phoenix, AZ 85024
 623-869-2333 • www.cap-az.com

Excess Deliveries 2012 to 2016						
	2012	2013	2014	2015	2016	Total
Ag Settlement Pool ¹	400,000	400,000	399,903	318,279	280,745	1,798,927
CAGR D Obligation	19,845	34,877	34,458	34,993	35,276	159,449
CAGR D Replenishment Reserve	5,648	6,621	4,018	5,445	8,599	30,331
AWBA	133,973	78,230	77,021	75,340	65,708	430,272
USBR for Indian Firming	12,231	6,297	11,381	8,433	5,000	43,342
Small User Excess ²	17,788	5,075	4,899	-	-	27,762
Total	589,485	531,100	531,680	442,490	395,328	2,490,083

- 1- Ag Settlement Pool deliveries are significantly reduced in 2015 and 2016 because of Ag Forbearance programs. Ag pool is delivered as the first priority excess
- 2- Small user deliveries, allowed under the Board's original policy, were extended from 2013 to 2015 to provide additional time for those water users to find alternative supplies. Such deliveries were reduced to zero in 2015 due to reduced water availability. Totals do not include de minimis amounts for temporary water uses (construction, etc.)

Excess Water Agenda Number 2, Attachment 2

CAP Operational Summary 2013 - 2017



All Units are in acre-feet

	2013		2014		2015		2016		2017		
	AOP*	Actual	AOP	Actual	AOP	Actual	AOP	Actual	AOP	Projected	
Supply	Approved CAP Diversion ¹	1,530,672	1,537,907	1,537,907	1,548,550	1,563,723	1,576,788				
	Final Decree Accounting ²		1,671,942	1,655,794	1,713,125	1,680,318				1,693,000	
	Estimated CAP Colorado River Available ³	1,600,000	1,600,000	1,600,000	1,610,000	1,650,000	1,650,000				
	Roosevelt Storage Account	20,000	20,048	0	5	15,000	15,011	16,000	16,011	0	0
	Lake Pleasant Operations ⁴	-2,299	-92,259	50,621	-27,156	32,083	-4,311	46,946	4,561	50,000	34,716
	System Losses ⁵	-75,000	-59,744	-75,000	-77,961	-75,000	-79,400	-75,000	-82,243	-75,000	-78,317
Available CAP Supply⁶	1,542,701	1,540,679	1,575,621	1,551,077	1,582,083	1,644,312	1,637,946	1,618,077	1,625,000	1,649,399	
Deliveries	Long-Term Contracts										
	M&I Subcontract Deliveries	472,884	455,279	487,166	459,733	514,203	499,004	511,240	504,222	571,435	571,435
	Federal Contract Deliveries	567,101	532,645	569,020	534,281	573,006	506,229	558,840	530,141	573,006	493,526
	Excess Water⁷	502,716		519,435		494,874		567,866		480,559	
	Agricultural Settlement Pool Deliveries	400,000	400,000	400,000	399,903	400,000	318,279	291,813	280,745	253,924	258,237
	CAGRD Replenishment Obligation	35,000	34,877	28,344	34,458	35,000	34,993	35,000	35,276	23,005	24,436
	AWBA Firming	52,546	78,230	64,753	77,021	50,448	75,340	81,923	65,708	17,630	17,630
	BOR Indian Firming	5,260	6,297	11,381	11,381	5,033	8,433	5,000	5,000	1,000	1,000
	CAGRD Replenishment Reserve	3,565	6,621	8,274	4,018	3,245	5,445	8,600	8,599	0	0
	Other (small user exception and temporary uses)	6,345	6,055	6,683	5,165	1,148	1,486	410	1,219	0	620
Total Deliveries	1,542,701	1,520,004	1,575,621	1,525,960	1,582,083	1,449,209	1,492,826	1,430,910	1,440,000	1,366,884	
Conservation	<i>Ag Forbearance Program 1</i>					80,922	82,922	82,922			
	<i>Ag Forbearance Program 2</i>						25,265	25,265			
	<i>Ag Forbearance Program 3</i>							10,627	46,076	41,763	
	<i>Pilot System Conservation Program (projects within CAP)</i>					10,080		9,817		10,080	
	<i>Reclamation Conservation</i>						13,933	13,933			
	<i>Gila River system conservation</i>							10,000		80,000	
	<i>Uncompensated system conservation</i>				25,117		104,101	23,000	34,603	138,924	150,672
Total System Conservation (left in Lake Mead)⁸		20,675		25,117		195,103	145,120	187,167	185,000	282,515	

*** AOP = Annual Operating Plan**

1 - The Approved CAP Diversion is the volume that Reclamation approves CAP to divert from the Colorado River prior to the water delivery year. Reclamation also acknowledges when approving this volume that CAP is permitted to divert any unused Arizona apportionment but exceedences will be subject to Inadvertent Overrun and Payback Policies (IOPP).

2 - Final Decree Accounting is the volume of water that Reclamation ultimately determined was available to CAP in that year. This determination is not final until May of the following year.

3 - This is the volume of Colorado River water estimated by CAP to be available prior to the water delivery year.

4 - In the AOP, Lake Pleasant Operations represents the volume of water planned to be withdrawn from the lake (added to the available CAP supply and shown as a positive value) or stored in the lake (negative value) in that year. Actual column reflects the end of year change in Lake Pleasant storage, which is affected by changes in the available Colorado River supply, water ordered but not taken by CAP customers and actual losses.

5 - System losses have two components: canal losses and Lake Pleasant losses. At the beginning of the year losses are estimated for the purposes of developing the AOP; theoretical losses are used for the canal and for Lake Pleasant losses are simulated based on projected system operations. The 75,000 acre-feet of loss reflected in the table is a simplification for presentation purposes. Actual losses for the canal and Lake Pleasant are evaluated through separate mass balance analyses on a monthly basis.

6 - Available CAP Supply is the volume of water that CAP determines is available for delivery prior to the water delivery year. The actual end of year value is a result of CAP operations once the final Colorado River Accounting accounting is complete in May of the following year.

7 - In the AOP, Excess Water is the portion of the available CAP supply that was not ordered by long-term entitlement holders. The volume that can be scheduled for delivery as Excess Water is determined in the fall once water orders for the following year have been submitted.

8 - System conservation represents CAP water that is available for delivery but intentionally retained in Lake Mead for the benefit of the system. The volume includes all CAP related conservation programs and forbearance agreements. In 2013, this water was prior to any specific conservation action or program and represents water that was available to CAP but not diverted from the Colorado River.