

# Arizona Water Banking Authority

3550 N. Central Avenue, Phoenix, Arizona 85012  
Telephone 602-771-8487  
Fax 602-771-8686



#### AUTHORITY MEMBERS

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March 8, 2012

Mr. Paul Matuska  
Bureau of Reclamation  
Lower Colorado River Regional Office  
P.O. Box 61470  
Boulder City, Nevada 89006

#### EX OFFICIO MEMBERS

Honorable Steve Pierce  
Honorable Andy Tobin

RE: Confirmation of Reduction in AWBA Supplies for Calendar Year 2011 as part of the CAP Inadvertent Overrun and Payback Plan

Dear Mr. Matuska:

In Calendar Year 2009, Central Arizona Project (CAP) deliveries caused an inadvertent overrun of 11,659 acre-feet. This overrun was attributed to end-of-year water that was delivered to the Arizona Water Banking Authority (AWBA) from Arizona's unused Colorado River apportionment and/or CAP customer turn-back water. The AWBA stored this water at recharge facilities within the CAP service area.

To meet the requirements of the Inadvertent Overrun and Payback Policy (IOPP), CAP submitted a 2011 Payback Plan outlining the extraordinary conservation measure that would be employed to pay back the 2009 overrun. CAP's Payback Plan included foregoing delivery of 11,659 acre-feet of Colorado River Water for underground storage. Since the AWBA was the recipient of the inadvertent overrun in 2009, CAP planned to reduce the AWBA's scheduled deliveries by this amount in 2011.

The CAP Board of Directors had adopted a five-year policy for the distribution of excess CAP water beginning in 2010. This policy established a pool of 175,000 acre-feet to be shared between the AWBA, the Central Arizona Groundwater Replenishment District (CAGR) for replenishment reserve purposes, and the Bureau of Reclamation for Indian firming. In 2011, the CAGR and the Bureau of Reclamation ordered 10,900 acre-feet and 15,000 acre-feet, respectively, leaving a remaining balance of 149,100 acre-feet for the AWBA. CAP further limited the water available to the AWBA by 11,659 acre-feet in order to fulfill its requirements under the 2011 Payback Plan. This left 137,441 acre-feet available for AWBA uses.

The AWBA had planned to store its full share of 149,100 acre-feet of pool water in 2011 because it had sufficient storage capacity and funding available. Because of the reduction to its water supplies, the AWBA subsequently decreased the amount of water it had planned to store at the Tonopah Desert Recharge Project (TDRP) by 11,659 acre-feet (71,609 acre-feet to 59,950 acre-feet). This reduction is identified in Table 2 of the AWBA's 2011 Plan of Operation (Plan), which was adopted on December 8, 2010. The reduction in water deliveries also resulted in a decrease in the cost of the 2011 Plan by \$1.69 million, which is the amount it would have cost to store 11,659 acre-feet. The 2011 Plan is enclosed.

In August of 2011, the AWBA amended its 2011 Plan by redistributing some of its deliveries to groundwater savings facilities (irrigation districts) to assist in preventing crop failure. While this amendment changed the amount of water planned for storage at TDRP, it did not change the total amount of water available to the AWBA under the 2011 Plan. If available, the AWBA could have stored the additional 11,659 acre-feet at TDRP.

It is important to note that the AWBA's monthly delivery schedule is based on best estimates. It is typical that actual monthly deliveries differ from what was planned due to changes in a farmer's irrigation needs or because of unscheduled maintenance at underground storage facilities. The AWBA's final deliveries for Calendar Year 2011 totaled 135,576 acre-feet, which is 13,524 acre-feet less than was available at the beginning of the year (see enclosed AWBA 2011 Delivery Table). Included in the 13,524 acre-feet is the 11,659 acre-feet that the AWBA was not able to schedule plus 1,865 acre-feet attributed to minor monthly operational changes.

Feel free to contact me at (602) 771-8491 if you have any questions.

Sincerely,



Virginia O'Connell, Manager  
Arizona Water Banking Authority

Enclosures

cc: Brian Henning, CAP  
Perri Benemelis, ADWR

AWBA 2011 DELIVERIES

Actual deliveries updated Amended Plan of Operation	08-Mar-12 25-Aug-11	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	total
<b>Phoenix AMA</b>														
TONOPAH DESERT		171	6,262	12,622	3,753	1,706	14,354	12,465	2,497	0	0	0	0	53,830
NIMIDD		171	6,262	12,622	3,753	1,706	14,354	12,465	3,617	0	0	0	0	54,950
QCID		0	0	0	0	0	0	0	0	1,000	2,500	1,047	1,579	2,626
SUPERSTITIION MTNS		0	0	0	0	0	2,945	0	0	527	2,249	1,500	390	5,000
		0	0	0	0	0	2,945	0	0	683	1,142	1,143	0	6,751
		0	0	0	0	0	0	0	0	0	0	0	2,444	7,055
		0	0	0	0	0	0	0	0	0	0	0	0	2,444
Subtotal		171	6,262	12,622	3,753	1,706	17,299	12,465	2,497	527	2,249	1,687	4,413	65,651
Total to date		171	6,433	19,055	22,808	24,514	41,813	54,278	56,775	57,302	59,551	61,238	65,651	65,651
Projected total to date		171	6,433	19,055	22,808	24,514	38,868	51,333	54,950	55,950	58,450	59,950	59,950	67,005
<b>Pinal AMA</b>														
CAIDD		0	0	0	0	0	0	0	14,713	6,520	310	67	0	21,610
MSIDD		380	720	1,550	1,650	1,450	930	310	7,500	10,000	5,000	0	0	22,500
HIDD		380	720	1,550	1,650	1,450	930	310	200	200	0	0	0	7,500
Southside Bank		0	0	0	0	0	0	0	0	1,751	0	300	1,891	3,942
		0	0	0	0	0	0	0	500	750	750	750	250	3,000
		0	0	0	0	1,000	0	0	0	0	0	0	0	1,000
		0	0	0	0	1,000	0	0	0	0	0	0	0	1,000
Subtotal		380	720	1,550	1,650	2,450	930	310	15,023	8,471	310	387	1,891	34,052
Total to date		380	1,100	2,650	4,300	6,750	7,680	7,990	23,013	31,484	31,794	32,161	34,052	34,052
Projected total to date		380	1,100	2,650	4,300	6,750	7,680	7,998	16,198	27,148	32,898	33,648	34,000	34,000
<b>Tucson AMA</b>														
AVRA VALLEY		0	0	0	0	0	0	0	268	0	397	321	566	1,572
CAVSARP		0	0	0	0	0	0	0	0	236	0	700	700	1,636
SAVSARP		0	0	0	0	0	0	0	0	0	0	0	0	500
LOWER SANTA CRUZ		0	0	0	0	0	0	3,000	4,000	6,687	3,805	2,605	826	20,923
CMID		1,146	2,526	2,893	2,811	0	0	3,000	4,000	5,000	3,000	2,000	4,000	21,000
		1,146	2,526	2,893	2,811	0	0	0	2,116	309	0	0	0	11,801
		0	0	0	0	0	0	0	2,000	425	0	0	0	11,801
		0	0	0	0	0	0	0	841	159	0	0	0	1,000
		0	0	0	0	0	0	0	500	500	0	0	0	1,000
		0	0	0	0	500	500	0	0	0	77	0	0	1,077
		0	0	0	0	500	500	0	0	0	0	0	0	1,000
Subtotal		1,146	2,526	2,893	2,811	500	500	3,000	7,225	7,155	4,279	2,926	1,912	36,873
Total to date		1,146	3,672	6,565	9,376	9,876	10,376	13,376	20,601	27,756	32,035	34,961	36,873	36,873
Projected total to date		1,146	3,672	6,565	9,376	9,876	10,376	13,376	19,876	26,037	29,037	31,737	36,437	36,437
<b>TOTAL</b>		1,697	9,508	17,065	8,214	4,656	18,729	15,775	24,745	16,153	6,838	4,960	8,216	136,576
Total to date		1,697	11,205	28,270	36,484	41,140	59,869	75,644	100,369	116,542	123,360	128,360	136,576	136,576
Projected total to date		1,697	11,205	28,270	36,484	41,140	56,924	72,707	91,024	109,135	120,385	125,335	130,387	137,442