



YOUR WATER. YOUR FUTURE.

CAP SYSTEM UPDATE SEPTEMBER 2016

Patrick Dent

**Proposed CAP Forbearance Volumes to Support
Lake Mead Conservation Efforts 2014 - 2016**

MOU - Reservoir Protection Volumes

Program Name	2014	2015	2016	Total
Yuma Mesa Irrigation and Drainage District Following Program	6,827	7,137	7,000	20,964
Ag Forbearance 1 Program EC-ICS	0	80,922	82,922	163,844
Ag Forbearance 3 Program	0	0	10,627	10,627
Municipal Forbearance - Supply Replacement EC-ICS	0	15,000	16,000	31,000
CAP and On River Turnback	18,290	81,964	4,311	104,565
Pilot System Conservation Phase 2 Credit	0	0	14,000	14,000
MOU Program Subtotals By Year	25,117	185,023	134,860	345,000

Pilot System Conservation Programs Within CAP System

Program Name	2014	2015	2016	Total
Ag Forbearance 2 Program	0	0	25,265	25,265
Tohono O'odham Conservation Phase 1	0	10,080	0	10,080
Tohono O'odham Conservation Phase 2	0	0	9,817	9,817
GRIC System Conservation Phase 2	0	0	10,000	10,000
Pilot Program Subtotals By Year	0	10,080	45,082	55,162

Reclamation System Conservation Program

Program Name	2014	2015	2016	Total
Fort McDowell Yavapai Nation System Conservation	0	0	13,933	13,933
Reclamation Program Subtotals by Year	0	0	13,933	13,933

Grand Total Program Savings in Acre Feet	2014	2015	2016	Total
	25,117	195,103	193,875	414,095

Orange, Bolded, Italicized Numbers Indicate Estimates

**U.S. BUREAU OF RECLAMATION
LOWER COLORADO REGION
CY 2016**

NOTE:
 ● Diversions and uses that are pending approval are noted in *red italics*.
 ● Water users with a consumptive use entitlement - **Excess to Estimated Use** column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a diversion entitlement.
 ● Water user with a diversion entitlement - **Excess to Approved Diversion** column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a consumptive use entitlement.

ARIZONA WATER USERS
 FORECAST OF END OF YEAR CONSUMPTIVE USE
 FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS

[Arizona Schedules and Approvals](#)
[Historic Use Records \(Water Accounting Reports\)](#)

<u>WATER USER</u>	<u>Use To Date CY2016</u>	<u>Forecast Use CY2016</u>	<u>Estimated Use CY2016</u>	<u>Excess to Estimated Use CY2016</u>	<u>Diversion To Date CY2016</u>	<u>Forecast Diversion CY2016</u>	<u>Approved Diversion CY2016</u>	<u>Excess to Approved Diversion CY2016</u>
ARIZONA PUMPERS	11,981	14,539	14,539	---	18,566	22,530	22,530	0
LAKE MEAD NRA, AZ - Diversions from Lake Mead	89	131	131	---	89	131	131	0
LAKE MEAD NRA, AZ - Diversions from Lake Mohave	127	169	169	---	127	169	169	0
DAVIS DAM PROJECT	2	2	2	---	46	56	56	0
BULLHEAD CITY	5,215	7,354	8,523	---	7,783	10,974	12,720	-1,746
MOHAVE WATER CONSERVATION DISTRICT	488	592	592	---	726	881	881	0
BROOKE WATER LLC	173	210	210	---	259	314	314	0
MOHAVE VALLEY IDD	15,778	20,707	21,549	---	29,218	38,345	39,905	-1,560
FORT MOJAVE INDIAN RESERVATION, AZ	28,902	34,338	47,790	---	53,522	63,589	88,500	-24,911
GOLDEN SHORES WATER CONSERVATION DISTRICT	260	316	316	---	389	472	472	0
HAVASU NATIONAL WILDLIFE REFUGE	3,787	4,218	3,563	---	31,556	36,613	41,820	-5,207
LAKE HAVASU CITY	6,058	8,087	8,370	---	9,771	13,044	13,500	-456
CENTRAL ARIZONA PROJECT	1,078,272	1,385,480	---	---	1,078,272	1,385,480	---	---
TOWN OF PARKER	290	375	392	---	650	867	916	-49
COLORADO RIVER INDIAN RESERVATION, AZ	270,761	308,645	341,393	---	470,864	593,724	662,402	-68,678
EHRENBURG IMPROVEMENT ASSOCIATION	186	226	226	---	262	318	318	0
CIBOLA VALLEY IRRIGATION DISTRICT	14,189	17,218	17,218	---	19,838	24,074	24,074	0
CIBOLA NATIONAL WILDLIFE REFUGE	10,400	12,035	12,741	-706	16,774	19,411	20,550	-1,139
IMPERIAL NATIONAL WILDLIFE REFUGE	1,495	2,265	3,019	-754	2,413	3,654	4,868	-1,214
BLM PERMITEES (PARKER DAM to IMPERIAL DAM)	811	984	984	---	1,249	1,516	1,516	---
CHA CHA, LLC	1,052	1,216	1,225	---	1,617	1,870	1,884	-14
BEATTIE FARMS	289	437	723	---	443	671	1,110	-439
YUMA PROVING GROUND	365	466	550	---	365	466	550	-84
GILA MONSTER FARMS	2,469	3,545	5,271	---	4,402	6,310	9,156	-2,846
WELLTON-MOHAWK IDD	206,931	251,143	278,000	-26,857	299,355	385,635	424,350	-38,715
BLM PERMITEES (BELOW IMPERIAL DAM)	71	86	86	0	109	132	132	0
CITY OF YUMA	9,945	13,967	16,036	-2,069	17,705	24,918	27,583	-2,665
MARINE CORPS AIR STATION YUMA	1,077	1,386	1,385	---	1,077	1,386	1,385	1
UNION PACIFIC RAILROAD	18	24	24	---	35	48	48	0
UNIVERSITY OF ARIZONA	648	795	690	---	648	795	690	105
YUMA UNION HIGH SCHOOL DISTRICT	119	151	151	---	158	201	200	1
DESERT LAWN MEMORIAL	72	87	87	---	101	123	123	0
NORTH GILA VALLEY IRRIGATION DISTRICT	9,322	10,909	10,929	---	31,762	42,275	44,000	-1,725
YUMA IRRIGATION DISTRICT	28,931	37,086	40,822	---	53,090	68,790	75,100	-6,310
YUMA MESA IDD	92,067	118,861	119,859	---	154,945	196,487	202,464	-5,977
UNIT "B" IRRIGATION DISTRICT	16,465	20,760	21,037	---	22,809	28,196	29,800	-1,604
FORT YUMA INDIAN RESERVATION	1,147	1,392	1,392	---	1,763	2,140	2,140	0
YUMA COUNTY WATER USERS' ASSOCIATION	173,314	225,994	250,443	---	260,595	355,328	386,000	-30,672
COCOPAH INDIAN RESERVATION	1,530	2,907	5,778	---	1,841	3,968	8,960	-4,992
RECLAMATION-YUMA AREA OFFICE	21	26	26	---	21	26	26	0
RETURN FROM SOUTH GILA WELLS	---	---	---	---	---	---	---	---
TOTAL ARIZONA	1,995,117	2,509,129	2,625,903		2,595,215	3,335,927	3,541,005	
CAP	1,078,272	1,385,480	---	---	---	1,385,480	---	---
ALL OTHERS	916,845	1,123,649	1,236,241	---	---	1,950,447	2,151,343	---
YUMA MESA DIVISION, GILA PROJECT	130,320	166,856	171,610	-4,754	---	307,552	---	---

ARIZONA ADJUSTED APPORTIONMENT CALCULATION

Arizona Basic Apportionment	2,800,000
Creation of Protection Volume - CAWCD ¹	-134,860
Creation of Protection Volume - Reclamation ²	-13,933
System Conservation Water - CAWCD ³	-25,265
Total State Adjusted Apportionment	2,625,942
Excess to Total State Adjusted Apportionment	-116,813
 Estimated Allowable Use for CAP	 1,503,054

1/ In 2016, CAWCD intends to conserve no less than 134,860 AF of Colorado River water as part of its commitment under the 2014 Memorandum of Understanding for Pilot Drought Response Actions (MOU).

2/ On October 6, 2015, the Fort McDowell Yavapai Nation (Nation) and Reclamation entered into a Drought Response Agreement in which the Nation agreed to forego delivery of 13,933 AF of the Nation's CAP water entitlement in 2016. Reclamation intends to apply this volume of water toward its commitment under the MOU.

3/ On March 17, 2016, Reclamation and CAWCD entered into a System Conservation Implementation Agreement (SCIA) under the Pilot System Conservation Program. In accordance with the SCIA, CAWCD agreed to create System Conservation Water by forbearing from remarketing 25,265 AF of CAP water within the CAP service area for delivery in 2016.

NOTES: Click on Arizona Schedules and Approvals above for incoming diversion schedules and approvals.

TOTAL ARIZONA	1,995,117	2,509,129	2,625,903		2,595,215	3,335,927	3,541,005
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Updated September 13, 2016			
Central Arizona Project 2016 Colorado River Diversion Estimates and Actual Official Diversions (Acre-Feet) Prepared by the CAP Water Control Department			
	(Dated 12/08/2015)		
	Forecast	Actual	Schedule
	2016	2016	2016
Jan	143,000	155,980	
Feb	98,000	116,971	
Mar	141,000	122,518	
Apr	175,000	168,623	
May	180,000	176,141	
Jun	78,000	88,596	
Jul	70,000	74,494	
Aug	70,000	64,685	
Sep	143,000		135,000
Oct	135,000		135,000
Nov	131,000		135,000
Dec	136,000		127,000
Total	1,500,000		1,500,008