

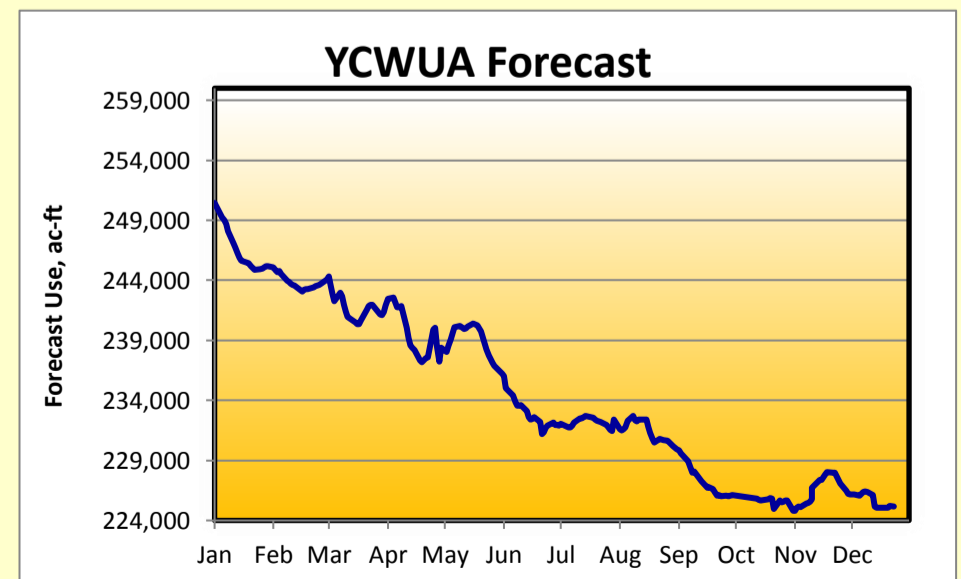
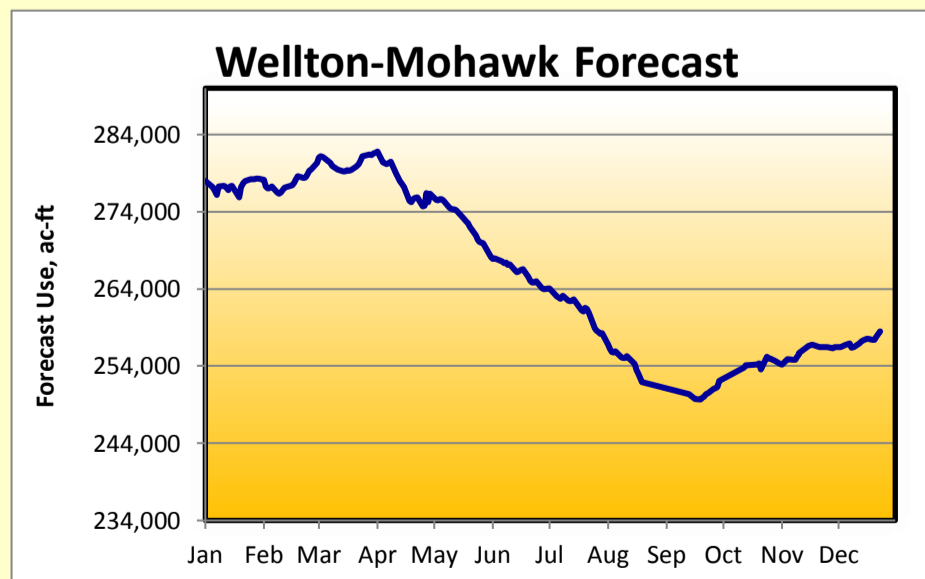
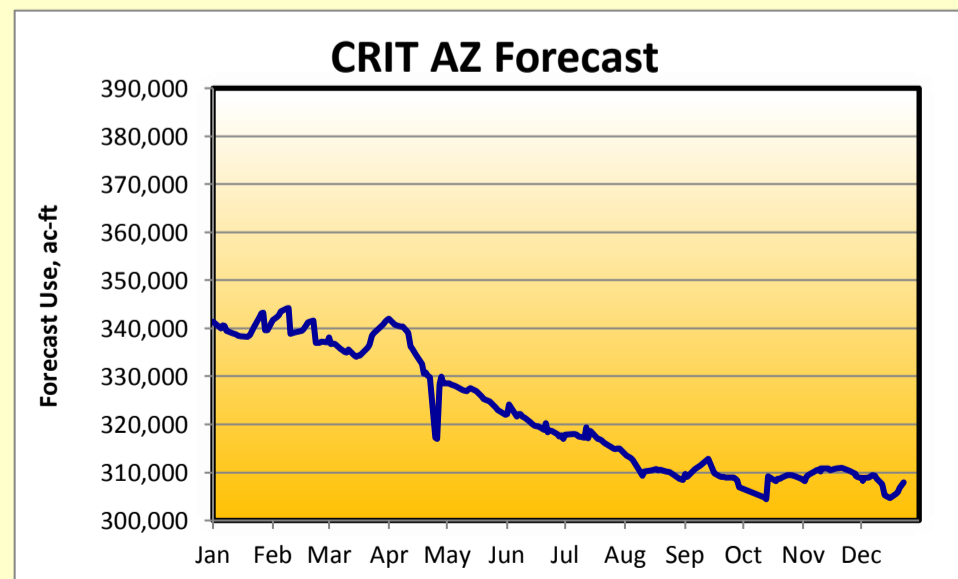
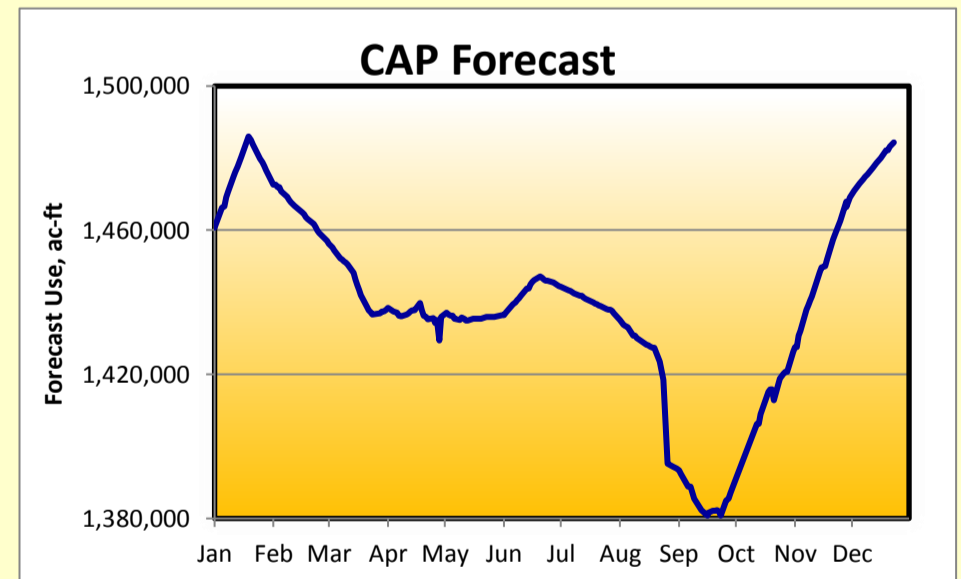
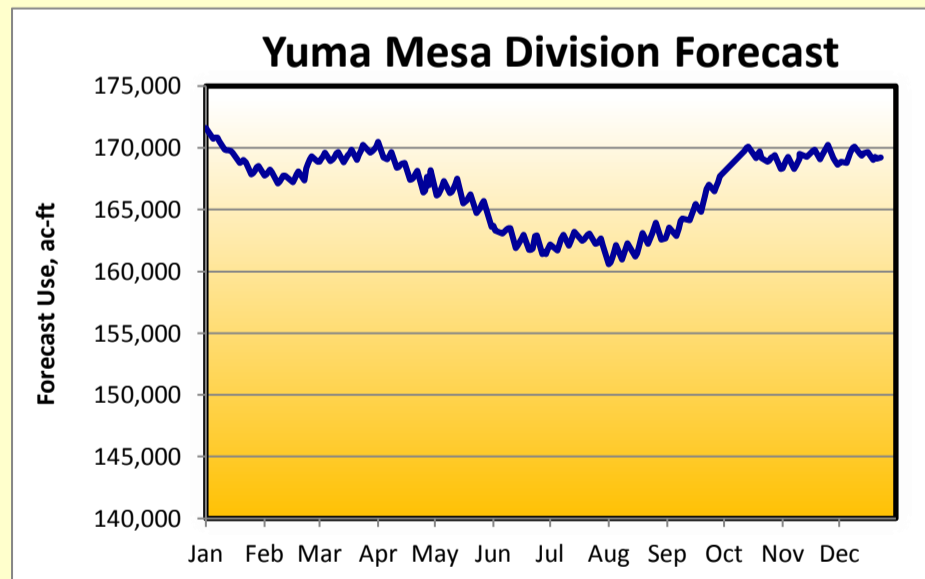
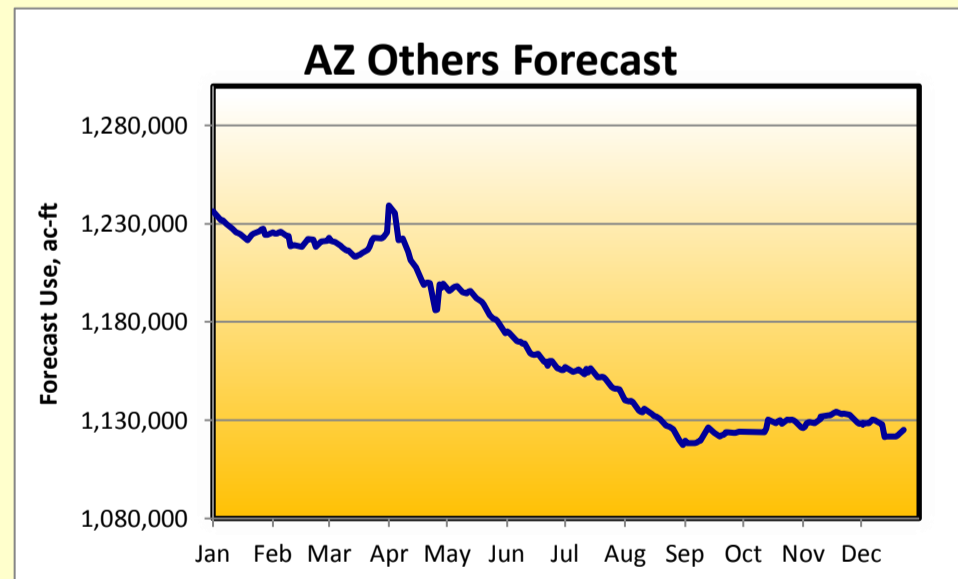
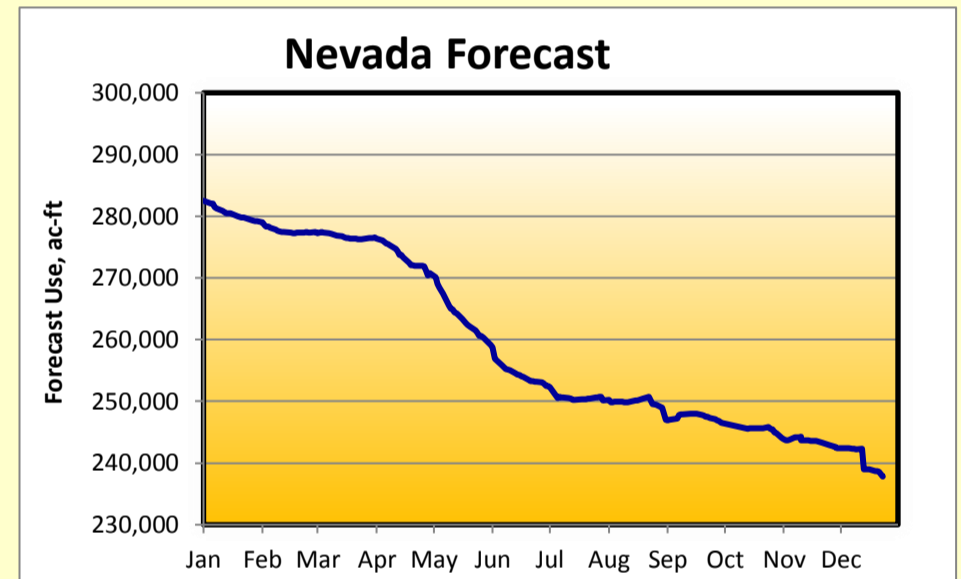
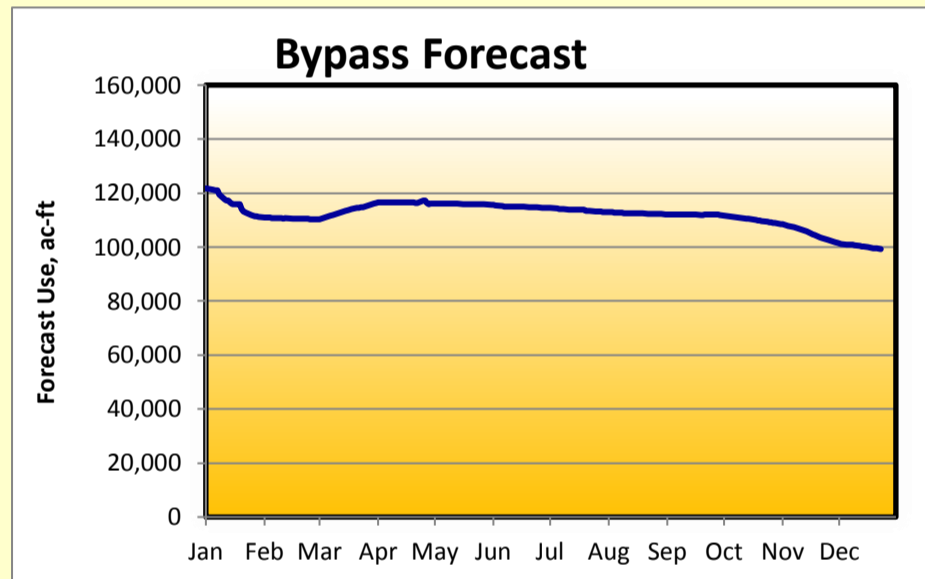
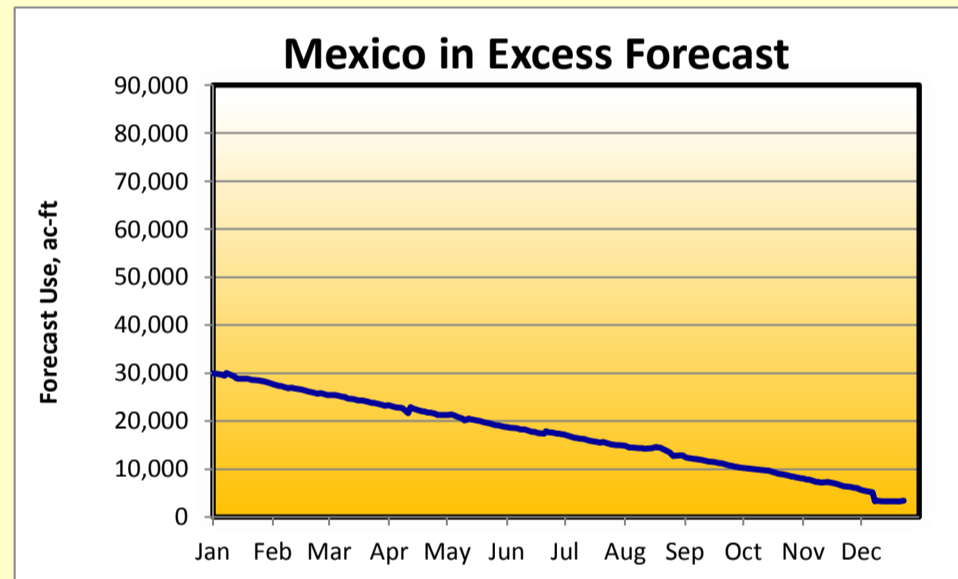
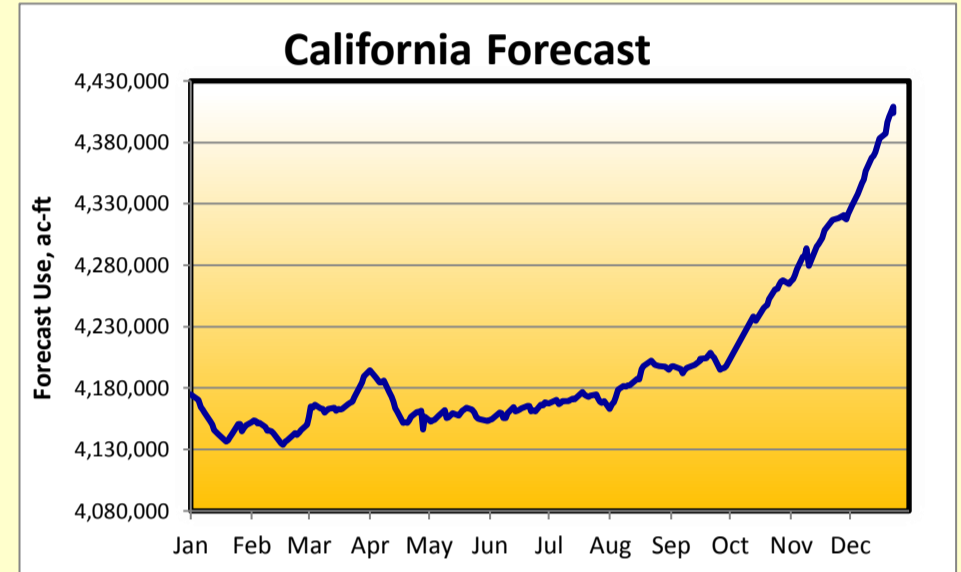
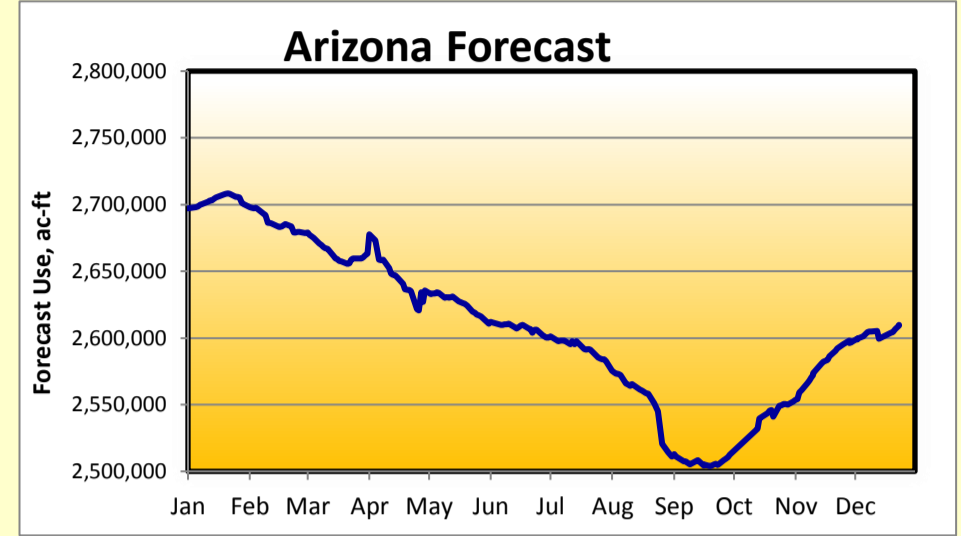
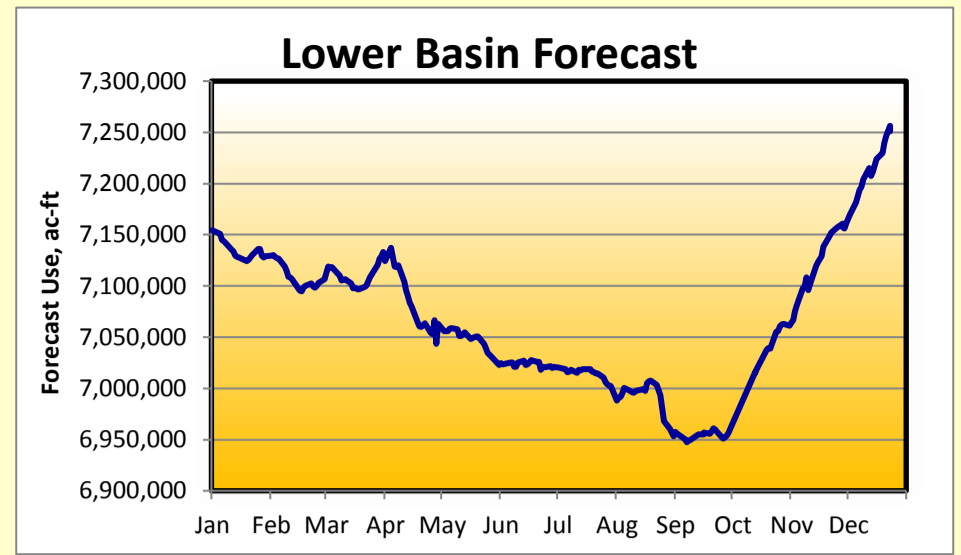
**U.S. BUREAU OF RECLAMATION
LOWER COLORADO REGION
CY 2016**

ARIZONA, CALIFORNIA, NEVADA, MEXICO
FORECAST OF END OF YEAR CONSUMPTIVE USE
FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS ¹
(ACRE-FEET)

WATER USE SUMMARY

	Use To Date CY2016	Forecast Use CY2016	Approved Use ² CY2016	Excess to Approval CY2016
ARIZONA	2,571,943	2,609,580	2,604,988	4,592
CALIFORNIA	4,356,791	4,403,687	4,174,979	228,708
NEVADA	236,310	237,831	282,500	-44,669
STATES TOTAL ³	7,165,044	7,251,098	7,062,467	188,631
MEXICO IN SATISFACTION OF TREATY (Including downward delivery) TO MEXICO AS SCHEDULED	1,469,583 1,466,147	1,503,436 1,500,000	1,500,000	3,436
MEXICO IN EXCESS OF TREATY BYPASS PURSUANT TO MINUTE 242	3,436 95,584	3,436 99,253		
TOTAL LOWER BASIN & MEXICO	8,730,211	8,853,787		

1/ Incorporates January through October USGS monthly data and 80 daily reporting stations which may be revised after provisional data reports are distributed by the USGS. Use to date estimated for users reporting monthly and annually.
2/ These values reflect adjusted apportionments. See Adjusted Apportionment calculation on each state page.
3/ Includes unmeasured returns based on estimated consumptive use/diversion ratios by user from studies provided by Arizona Department of Water Resources, Colorado River Board of California, and Reclamation.



Graph notes: Jan 1 forecast use is scheduled use in accordance with the Annual Operating Plan's state entitlements, available unused entitlements, and over-run paybacks. A downward sloping line indicates use at a lower rate than scheduled, upward sloping is above schedule, and a flat line indicates a use rate equal to schedule. Lower priority users such as CAP, MWD, and Robt.B.Griffith may adjust use rates to meet state entitlements as higher priority use deviates from schedule. Abrupt changes in the forecast use line may be due to a diversion schedule change or monthly updating of provisional realtime diversions.

**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 \(Water Accounting Reports\)](#)

WATER USER	Use To Date CY2016	Forecast Use CY2016	Estimated Use CY2016	Excess to Estimated Use CY2016	Diversion To Date CY2016	Forecast Diversion CY2016	Approved Diversion CY2016	Excess to Approved Diversion CY2016
ARIZONA PUMPERS	14,390	14,539	14,539	---	22,299	22,530	22,530	0
LAKE MEAD NRA, AZ - Diversions from Lake Mead	123	127	127	---	123	127	127	0
LAKE MEAD NRA, AZ - Diversions from Lake Mohave	167	171	171	---	167	171	171	0
DAVIS DAM PROJECT	2	2	2	---	55	56	56	0
BULLHEAD CITY	6,657	6,854	8,523	---	9,934	10,228	12,720	-2,492
MOHAVE WATER CONSERVATION DISTRICT	586	592	592	---	872	881	881	0
BROOKE WATER LLC	208	210	210	---	311	314	314	0
MOHAVE VALLEY IDD	19,775	20,166	21,549	---	36,620	37,343	39,905	-2,562
FORT MOJAVE INDIAN RESERVATION, AZ	32,949	33,263	47,790	---	61,017	61,598	88,500	-26,902
GOLDEN SHORES WATER CONSERVATION DISTRICT	313	316	316	---	467	472	472	0
HAVASU NATIONAL WILDLIFE REFUGE	4,094	4,116	3,563	---	34,105	34,364	41,820	-7,456
LAKE HAVASU CITY	7,597	7,759	8,370	---	12,253	12,514	13,500	-986
CENTRAL ARIZONA PROJECT	1,456,818	1,484,383	---	---	1,456,818	1,484,383	---	---
TOWN OF PARKER	382	387	392	---	829	844	916	-72
COLORADO RIVER INDIAN RESERVATION, AZ	305,969	307,883	340,256	---	564,499	573,675	660,361	-86,686
EHRENBURG IMPROVEMENT ASSOCIATION	224	226	226	---	315	318	318	0
CIBOLA VALLEY IRRIGATION DISTRICT	17,041	17,218	17,218	---	23,827	24,074	24,074	0
CIBOLA NATIONAL WILDLIFE REFUGE	10,013	10,058	12,741	-2,683	16,151	16,224	20,550	-4,326
IMPERIAL NATIONAL WILDLIFE REFUGE	1,819	1,891	3,019	-1,128	2,934	3,050	4,868	-1,818
BLM PERMITEES (PARKER DAM to IMPERIAL DAM)	974	984	984	---	1,500	1,516	1,516	---
CHA CHA, LLC	730	746	1,367	---	1,825	1,849	2,100	-251
BEATTIE FARMS	401	413	723	---	616	634	1,110	-476
YUMA PROVING GROUND	458	464	550	---	458	464	550	-86
GILA MONSTER FARMS	3,593	3,666	5,271	---	6,504	6,646	9,156	-2,510
WELLTON-MOHAWK IDD	257,039	258,475	278,000	-19,525	380,413	386,571	424,350	-37,779
BLM PERMITEES (BELOW IMPERIAL DAM)	85	86	86	0	131	132	132	0
CITY OF YUMA	13,330	13,696	16,036	-2,340	23,109	23,786	27,583	-3,797
MARINE CORPS AIR STATION YUMA	1,373	1,395	1,407	---	1,373	1,395	1,407	-12
UNION PACIFIC RAILROAD	23	24	24	---	47	48	48	0
UNIVERSITY OF ARIZONA	914	930	930	---	914	930	930	0
YUMA UNION HIGH SCHOOL DISTRICT	147	149	151	---	195	198	200	-2
DESERT LAWN MEMORIAL	86	87	87	---	122	123	123	0
NORTH GILA VALLEY IRRIGATION DISTRICT	11,209	11,215	10,929	---	41,676	42,344	44,000	-1,656
YUMA IRRIGATION DISTRICT	37,717	38,175	40,822	---	69,124	70,169	75,100	-4,931
YUMA MESA IDD	118,191	119,850	119,859	---	191,308	194,622	202,464	-7,842
UNIT "B" IRRIGATION DISTRICT	20,914	21,087	21,037	---	28,001	28,291	29,800	-1,509
FORT YUMA INDIAN RESERVATION	1,378	1,392	1,392	---	2,118	2,140	2,140	0
YUMA COUNTY WATER USERS' ASSOCIATION	222,932	225,161	250,443	---	347,750	353,556	386,000	-32,444
COCOPAH INDIAN RESERVATION	1,296	1,398	5,778	---	1,342	1,502	8,960	-7,458
RECLAMATION-YUMA AREA OFFICE	26	26	26	---	26	26	26	0
RETURN FROM SOUTH GILA WELLS	---	---	---	---	---	---	---	---
TOTAL ARIZONA	2,571,943	2,609,580	2,604,947		3,342,148	3,400,108	3,519,219	
CAP	1,456,818	1,484,383	---	---	---	1,484,383	---	---
ALL OTHERS	1,115,125	1,125,197	1,235,506	---	---	1,915,725	2,149,778	---
YUMA MESA DIVISION, GILA PROJECT	167,117	169,240	171,610	-2,370	---	307,135	---	---

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 - Pilot System Conservation Program ³	-46,219
Total State Adjusted Apportionment	2,604,988
Excess to Total State Adjusted Apportionment	4,592
Estimated Allowable Use for CAP	1,480,127

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/ The aggregate amount of water to be conserved by CAWCD, the Tohono O'odham Nation, the Gila River Indian Community, and the Colorado River Indian Tribes under the Pilot System Conservation Program, pursuant to individual System Conservation Implementation Agreements.

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

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

NOTE:
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**CALIFORNIA WATER USERS
FORECAST OF END OF YEAR CONSUMPTIVE USE
FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS**

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

WATER USER	Use To Date CY2016	Forecast Use CY2016	Estimated Use CY2016	Excess to Estimated Use CY2016	Diversion To Date CY2016	Forecast Diversion CY2016	Approved Diversion CY2016	Excess to Approved Diversion CY2016
CALIFORNIA PUMPERS	1,743	1,761	1,761	---	3,158	3,191	3,191	0
FORT MOJAVE INDIAN RESERVATION, CA	6,358	6,423	8,995	---	11,815	11,937	16,720	-4,783
CITY OF NEEDLES (includes LCWSP use)	1,288	1,324	1,931	-607	1,911	1,961	2,720	-759
METROPOLITAN WATER DISTRICT	969,330	972,824	617,153	---	972,125	975,702	620,247	---
COLORADO RIVER INDIAN RESERVATION, CA	3,204	3,237	3,237	---	5,307	5,362	5,362	0
PALO VERDE IRRIGATION DISTRICT	346,394	349,034	400,192	---	770,948	783,432	868,000	-84,568
YUMA PROJECT RESERVATION DIVISION	47,489	48,062	57,009	---	92,156	93,593	107,359	-13,766
YUMA PROJECT RESERVATION DIVISION - INDIAN UNIT	---	---	---	---	44,385	45,096	52,359	-7,263
YUMA PROJECT RESERVATION DIVISION - BARD UNIT	---	---	---	---	47,771	48,497	55,000	-6,503
YUMA ISLAND PUMPERS	4,493	4,540	4,540	---	8,131	8,215	8,215	0
FORT YUMA INDIAN RESERVATION - RANCH 5	656	663	663	---	1,189	1,201	1,201	0
IMPERIAL IRRIGATION DISTRICT	2,491,393	2,521,627	2,586,293	-64,666	2,459,905	2,492,218	2,700,614	---
SALTON SEA SALINITY MANAGEMENT	126,937	131,107	131,107	0	130,557	137,581	137,581	---
COACHELLA VALLEY WATER DISTRICT	356,604	362,174	361,186	988	371,563	377,544	377,995	---
OTHER LCWSP CONTRACTORS	721	728	728	---	1,140	1,152	1,152	0
CITY OF WINTERHAVEN	67	68	68	---	97	98	98	0
CHEMEHUEVI INDIAN RESERVATION	114	115	115	---	11,224	11,340	11,340	0
TOTAL CALIFORNIA	4,356,791	4,403,687			4,841,226	4,904,527	4,861,795	

CALIFORNIA ADJUSTED APPORTIONMENT CALCULATION

California Basic Apportionment	4,400,000
Conservation for Salton Sea Restoration - 2010 ¹	
Creation of Extraordinary Conservation ICS (IID)	-25,000
Creation of Extraordinary Conservation ICS (MWD)	-200,000
System Conservation Water - Pilot System Conservation Program ²	-21
Total State Adjusted Apportionment	4,174,979
Excess to Total State Adjusted Apportionment	228,708

ISG ANNUAL TARGET COMPARISON CALCULATION

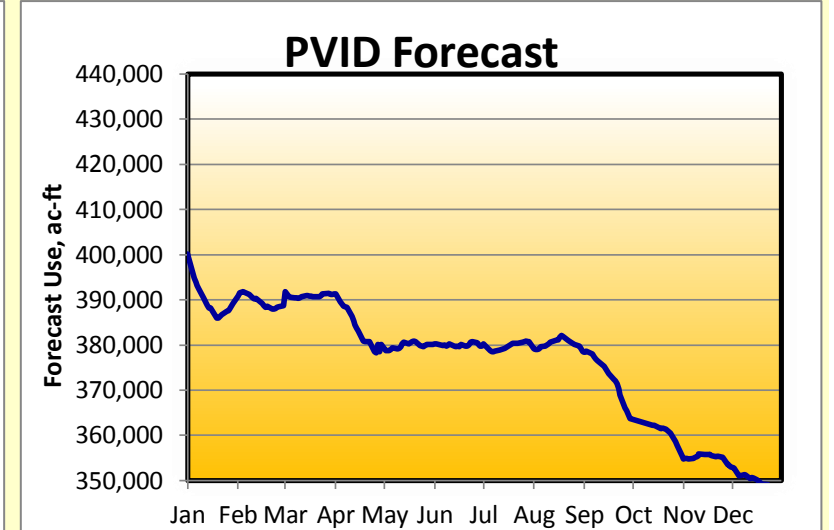
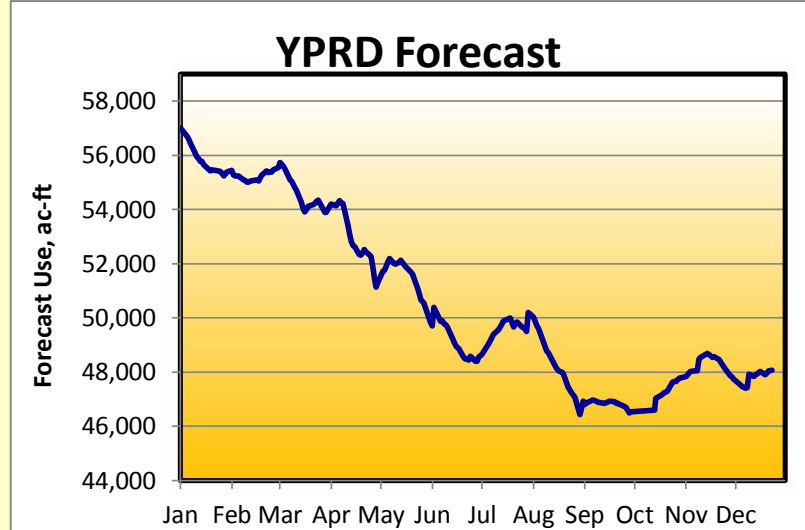
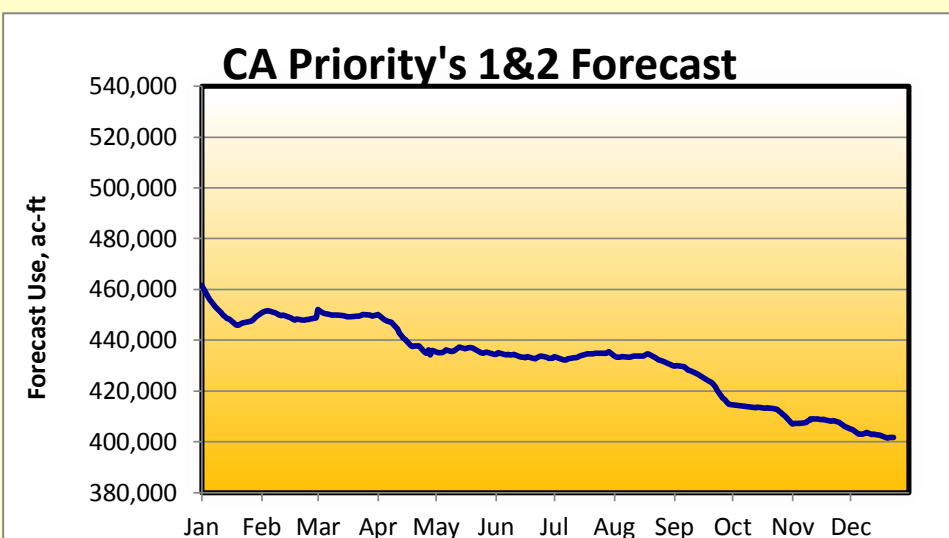
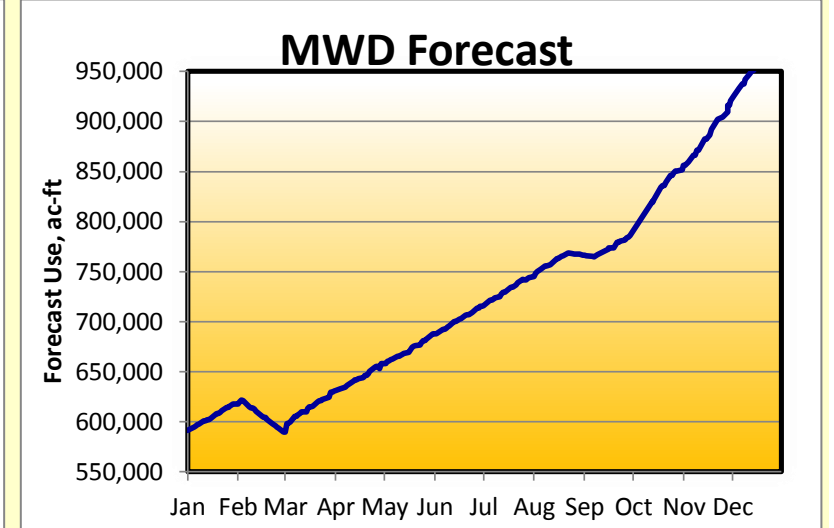
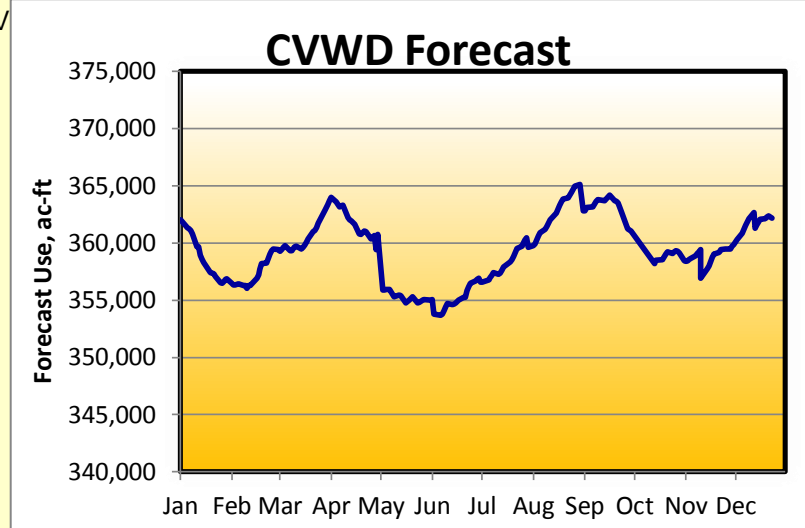
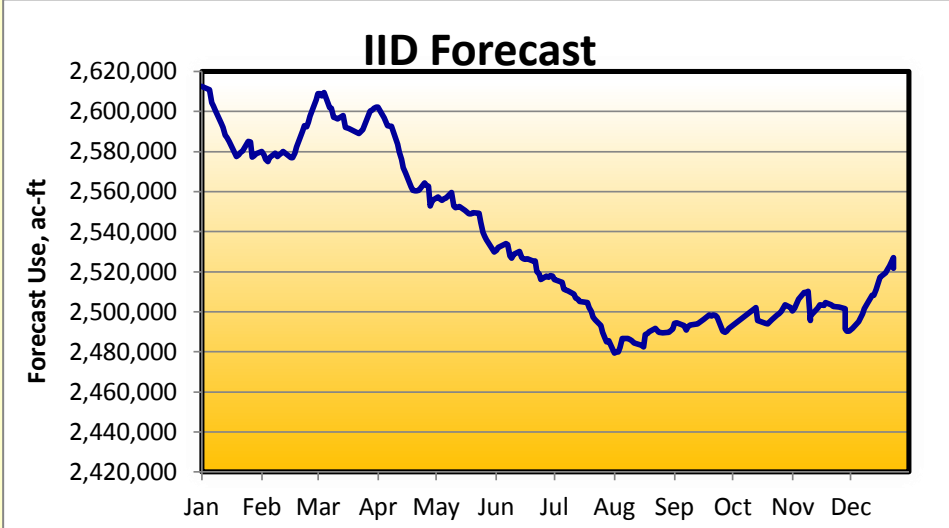
Priorities 1, 2, 3b Use (PVID+YPRD+Island+PVID Mesa)	401,636
MWD Adjustment	0
Total California Agricultural Use (PVID+YPRD+Island+IID+CVWD)	3,285,437
California Agricultural Paybacks	0
Misc. PPRs Covered by IID and CVWD	14,500
California ICS Creation (IID ICS)	25,000
Total Use for Target Comparison ³	3,324,937
ISG Annual Target (Exhibit B)	3,440,000
Amount over/(under) ISG Annual Target	-115,063

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

1/ Pending approval by Imperial Irrigation District's Board of Directors.

2/ Estimated amount of System Conservation Water to be conserved by CVWD under the Pilot System Conservation Program, pursuant System Conservation Implementation Agreement No. 15-XX-30-W0593.

3/ Includes MWD Adjustment, California Agricultural Use and Paybacks, IID-CV



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

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

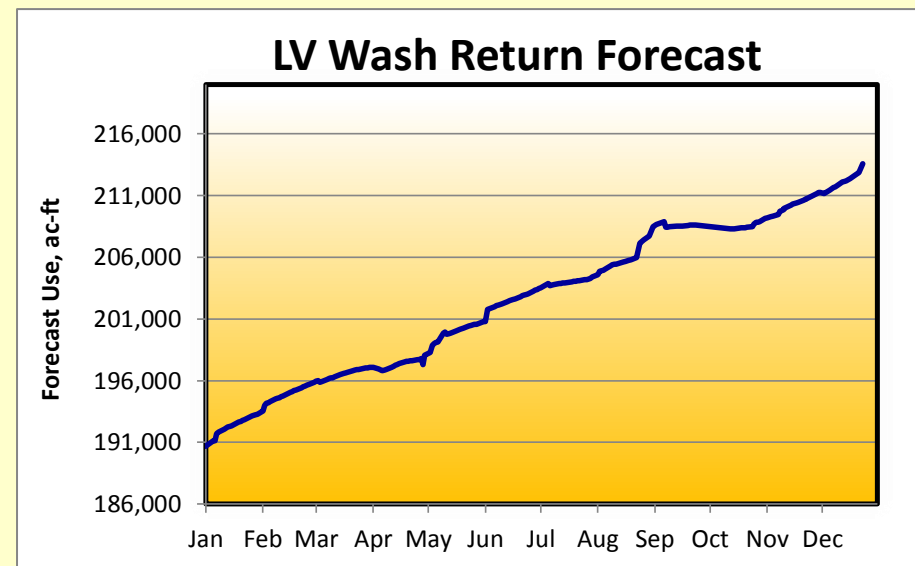
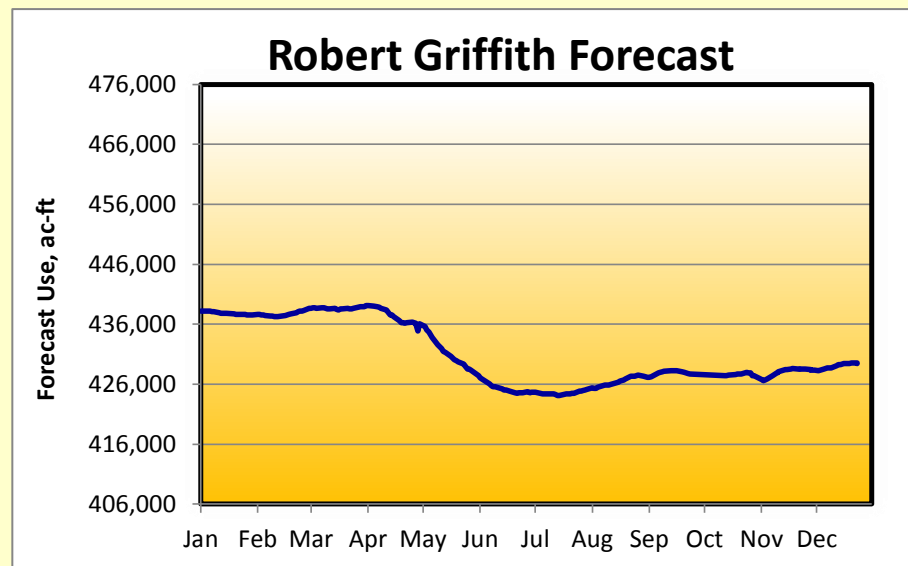
[Nevada Schedules and Approvals](#)
[Historic Use Records \(Water Accounting Reports\)](#)

WATER USER	Use To Date CY2016	Forecast Use CY2016	Estimated Use CY2016	Excess to Estimated Use CY2016	Diversion To Date CY2016	Forecast Diversion CY2016	Approved Diversion CY2016	Excess to Approved Diversion CY2016
ROBERT B. GRIFFITH WATER PROJECT (SNWS)	421,968	429,474	438,176	-8,702	421,968	429,474	438,176	-8,702
LAKE MEAD NRA, NV - Diversions from Lake Mead	353	332	403	---	353	332	403	-71
LAKE MEAD NRA, NV - Diversions from Lake Mohave	157	149	152	---	157	149	152	-3
BASIC MANAGEMENT INC.	5,346	4,941	8,208	---	5,346	4,941	8,208	-3,267
CITY OF HENDERSON (BMI DELIVERY)	12,101	11,247	15,878	---	12,101	11,247	15,878	-4,631
NEVADA DEPARTMENT OF WILDLIFE	10	9	12	-3	564	543	405	---
PACIFIC COAST BUILDING PRODUCTS INC.	896	843	928	---	896	843	928	-85
BOULDER CANYON PROJECT	171	173	173	---	297	300	300	0
BIG BEND WATER DISTRICT	2,071	1,878	5,355	---	4,439	4,033	10,000	-5,967
FORT MOJAVE INDIAN TRIBE	2,323	2,362	3,886	---	3,469	3,527	5,800	-2,273
LAS VEGAS WASH RETURN FLOWS	-209,086	-213,577	-190,671	---				
TOTAL NEVADA	236,310	237,831	282,500	-8,705	449,590	455,389	480,250	-24,999
SOUTHERN NEVADA WATER SYSTEM (SNWS)	212,882	215,897				429,474		
ALL OTHERS	23,428	21,934				25,915		
NEVADA USES ABOVE HOOVER	231,916	233,591				447,829		
NEVADA USES BELOW HOOVER	4,394	4,240				7,560		

Tributary Conservation & Imported Intentionally Created Surplus	
Total Requested Tributary Conservation Intentionally Created Surplus	29,500
Total Requested Imported Conservation Intentionally Created Surplus	9,000
5% System Cut for Creation of Intentionally Created Surplus	-1,925
Total Intentionally Created Surplus Left in Lake Mead	36,575

Pilot System Conservation Program	
Tributary Conservation - Left in Lake Mead ¹	7,500

NEVADA ADJUSTED APPORTIONMENT CALCULATION	
Nevada Basic Apportionment	300,000
Creation of Protection Volume ²	-17,500
Total State Adjusted Apportionment	282,500
Excess to Total State Adjusted Apportionment	-44,669



1/ On June 4, 2015, Reclamation and SNWA entered into a System Conservation Implementation Agreement in which SNWA agreed to conserve 7,500 AF of Colorado River water from its Tributary Conservation projects to create System Conservation Water.

2/ In 2016, Nevada anticipates leaving 17,500 AF of its basic apportionment in Lake Mead by forgoing off-stream storage as part of SNWA's commitment under the 2014 Memorandum of Understanding for Pilot Drought Response Actions.

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