

**U.S. BUREAU OF RECLAMATION
LOWER COLORADO REGION
CY 2015**

ARIZONA, CALIFORNIA, NEVADA, MEXICO
FORECAST OF END OF YEAR CONSUMPTIVE USE
FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS¹
(ACRE-FEET)

WATER USE SUMMARY

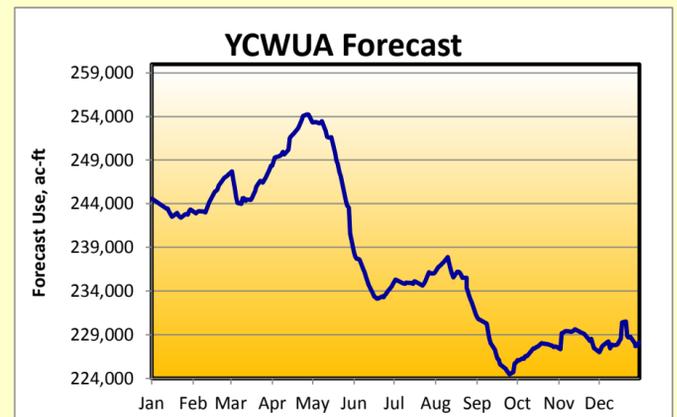
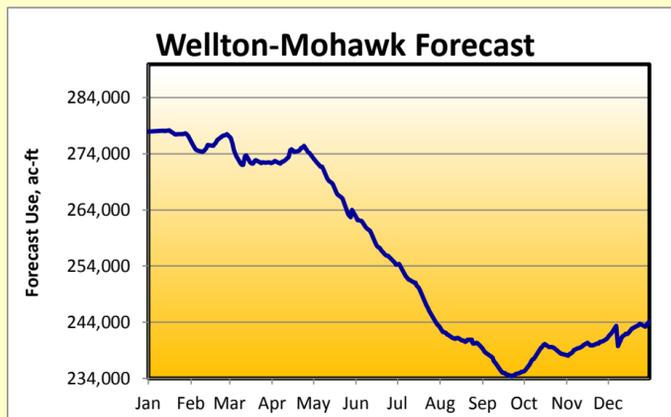
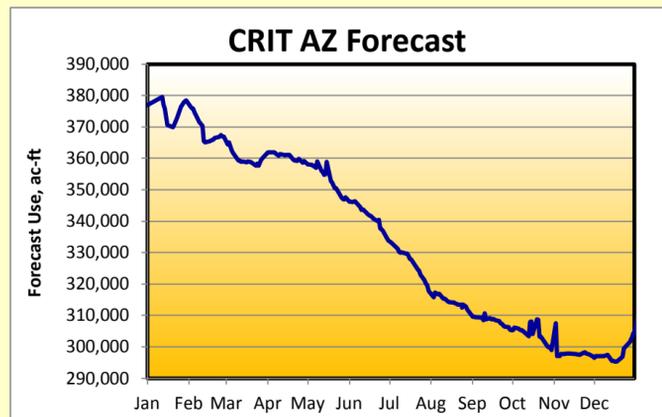
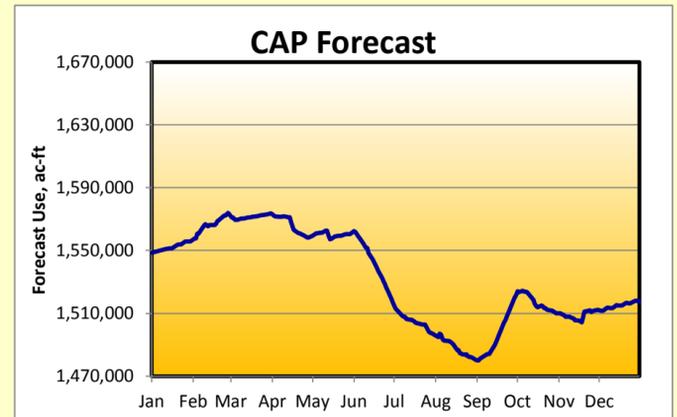
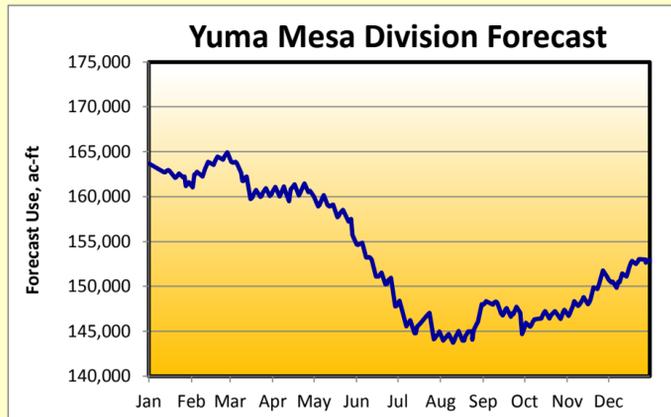
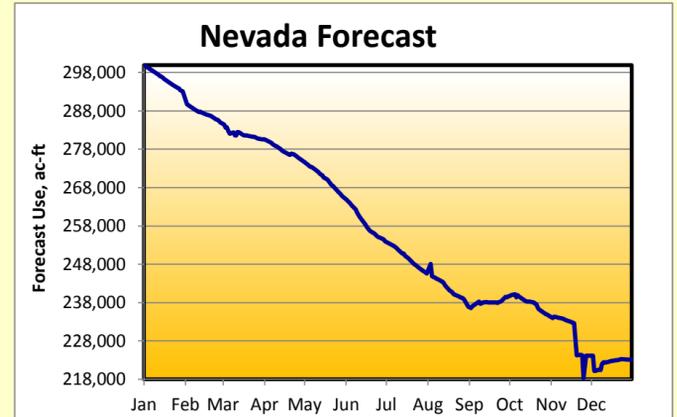
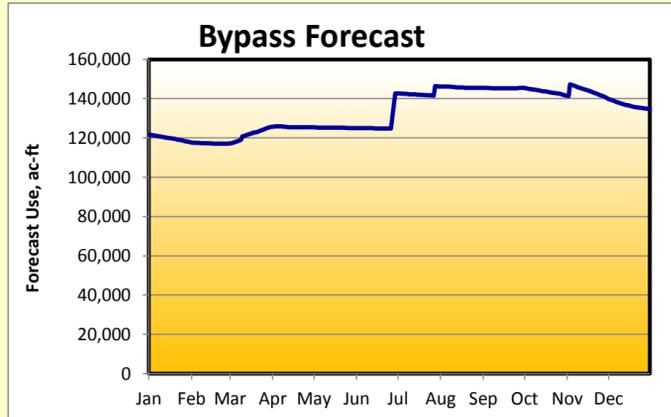
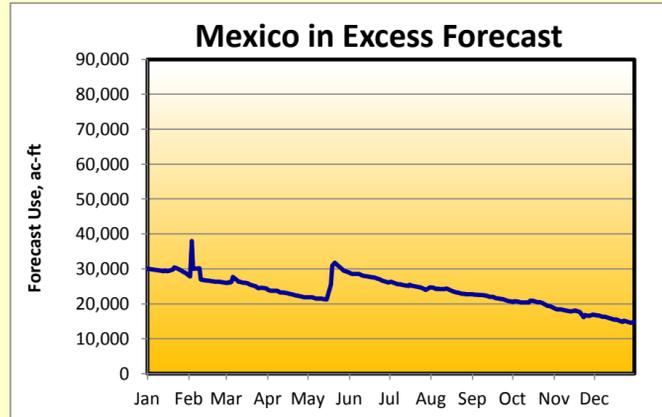
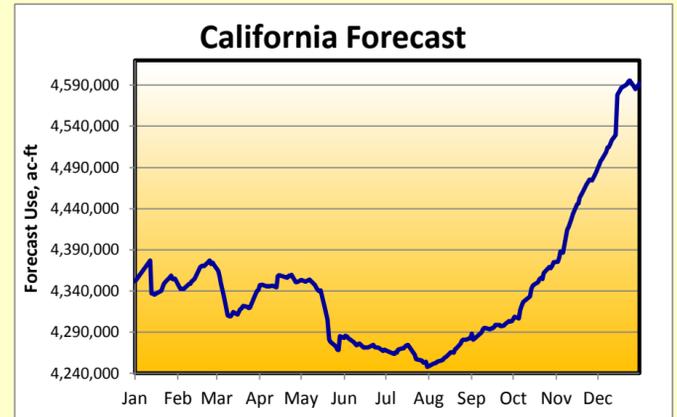
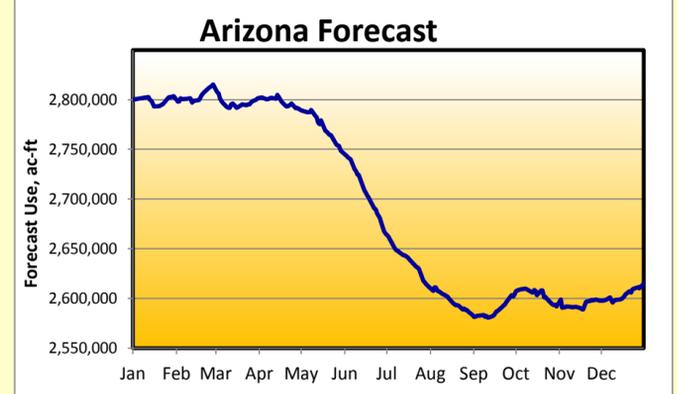
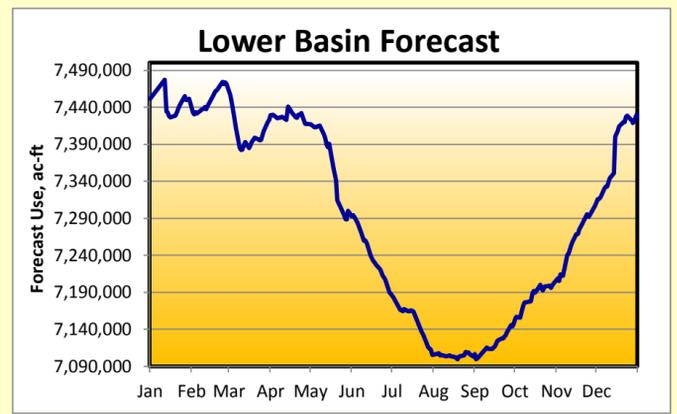
	Use To Date CY2015	Forecast Use CY2015	Approved Use ² CY2015	Excess to Approval CY2015
ARIZONA	2,611,091	2,611,091	2,782,755	-171,664
CALIFORNIA	4,621,501	4,589,811	4,589,811	0
NEVADA	221,855	221,855	375,000	-153,145
STATES TOTAL³	7,454,447	7,422,757	7,747,566	-324,809
MEXICO IN SATISFACTION OF TREATY (Including downward delivery) TO MEXICO AS SCHEDULED	1,514,834 1,500,006	1,514,834 1,500,000	1,500,000	14,834
MEXICO IN EXCESS OF TREATY BYPASS PURSUANT TO MINUTE 242	14,828 134,244	14,828 134,652		
TOTAL LOWER BASIN & MEXICO	9,103,525	9,072,243		

1/ Incorporates Jan-Dec 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.

NOTE: Use to date values have been updated with December USGS Provisional data as well as monthly reported data. [01-22-2016]



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.

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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.

**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	Forecast Use	Estimated Use	Excess to Estimated Use	Diversion To Date	Forecast Diversion	Approved Diversion	Excess to Approved Diversion
	CY2015	CY2015	CY2015	CY2015	CY2015	CY2015	CY2015	CY2015
CALIFORNIA PUMPERS	1,680	1,680	1,680	---	3,047	3,047	3,047	0
FORT MOJAVE INDIAN RESERVATION, CA	8,220	8,220	8,996	---	15,236	15,236	16,720	-1,484
CITY OF NEEDLES (includes LCWSP use)	1,931	1,931	1,931	0	2,720	2,720	2,720	0
METROPOLITAN WATER DISTRICT	1,178,770	1,178,770	1,175,759	---	1,181,597	1,181,597	1,178,850	---
COLORADO RIVER INDIAN RESERVATION, CA	3,246	3,246	3,246	---	5,378	5,378	5,378	0
PALO VERDE IRRIGATION DISTRICT	399,071	399,071	395,806	---	866,840	868,130	874,000	-5,870
YUMA PROJECT RESERVATION DIVISION	46,700	46,700	48,586	---	95,701	95,885	104,200	-8,315
YUMA PROJECT RESERVATION DIVISION - INDIAN UNIT	---	---	---	---	46,770	46,770	50,200	-3,430
YUMA PROJECT RESERVATION DIVISION - BARD UNIT	---	---	---	---	48,931	48,931	54,000	-5,069
YUMA ISLAND PUMPERS	4,665	4,665	4,665	---	8,452	8,452	8,452	0
FORT YUMA INDIAN RESERVATION - RANCH 5	675	675	675	---	1,221	1,221	1,221	0
IMPERIAL IRRIGATION DISTRICT	2,480,302	2,480,302	2,602,481	-122,179	2,437,387	2,437,387	2,706,070	---
SALTON SEA SALINITY MANAGEMENT	153,326	121,636	121,636	0	163,809	126,826	126,826	---
COACHELLA VALLEY WATER DISTRICT	342,074	342,074	357,000	-14,926	360,388	360,388	371,671	---
OTHER LCWSP CONTRACTORS	671	671	671	---	1,066	1,066	1,066	0
CITY OF WINTERHAVEN	68	68	68	---	103	103	103	0
CHEMEHUEVI INDIAN RESERVATION	102	102	102	---	11,340	11,340	11,340	0
TOTAL CALIFORNIA	4,621,501	4,589,811			5,154,285	5,118,776	5,411,664	

CALIFORNIA ADJUSTED APPORTIONMENT CALCULATION

California Basic Apportionment	4,400,000
Conservation for Salton Sea Restoration - 2010 ¹	-23,273
Creation of Extraordinary Conservation ICS (IID)	-25,000
Storage of State of Nevada Unused Apportionment	150,000
Delivery of ICS (MWD)	88,084
Total State Adjusted Apportionment	4,589,811
Excess to Total State Adjusted Apportionment	0

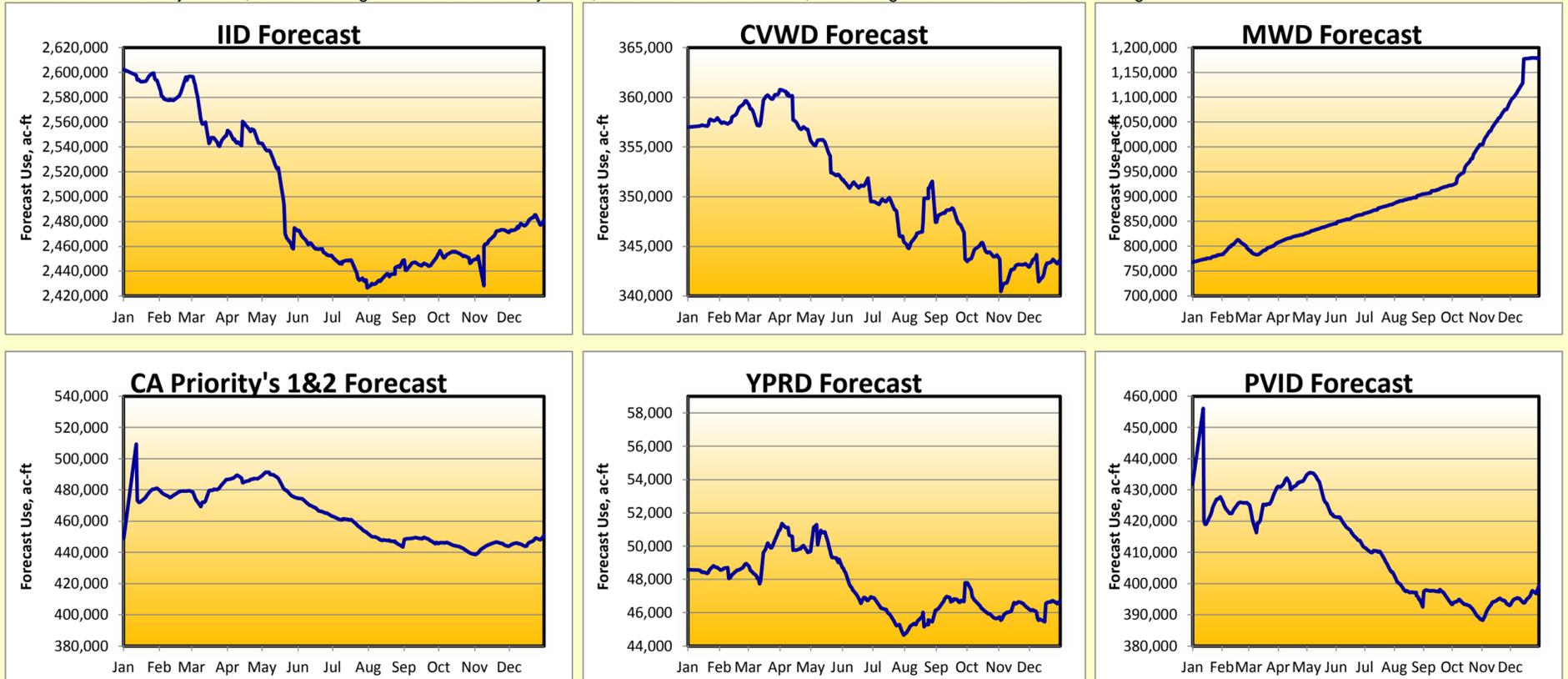
ISG ANNUAL TARGET COMPARISON CALCULATION

Priorities 1, 2, 3b Use (PVID+YPRD+Island+PVID Mesa)	450,436
MWD Adjustment	-30,436
Total California Agricultural Use (PVID+YPRD+Island+IID+CVWD)	3,272,812
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 ²	3,281,876
ISG Annual Target (Exhibit B)	3,448,000
Amount over/(under) ISG Annual Target	-166,124

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/ Includes MWD Adjustment, California Agricultural Use and Paybacks, IID-CVWD covered PPRs, and taking out the MWD-CVWD Exchange



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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 CY2015</u>	<u>Forecast Use CY2015</u>	<u>Estimated Use CY2015</u>	<u>Excess to Estimated Use CY2015</u>	<u>Diversion To Date CY2015</u>	<u>Forecast Diversion CY2015</u>	<u>Approved Diversion CY2015</u>	<u>Excess to Approved Diversion CY2015</u>
ARIZONA PUMPERS	17,515	17,515	17,515	---	27,115	27,115	27,115	0
LAKE MEAD NRA, AZ - Diversions from Lake Mead	139	139	149	---	139	139	149	-10
LAKE MEAD NRA, AZ - Diversions from Lake Mohave	176	176	190	---	176	176	190	-14
DAVIS DAM PROJECT	2	2	2	---	75	75	75	0
BULLHEAD CITY	6,352	6,352	8,523	---	9,481	9,481	12,720	-3,239
MOHAVE WATER CONSERVATION	556	556	556	---	831	831	831	0
BROOKE WATER LLC	207	207	207	---	311	311	311	0
MOHAVE VALLEY IDD	16,732	16,732	22,260	---	30,988	30,988	41,220	-10,232
FORT MOJAVE INDIAN RESERVATION, AZ	37,437	37,437	42,390	---	69,327	69,327	78,500	-9,173
GOLDEN SHORES WATER CONSERVATION DISTRICT	316	316	316	---	473	473	473	0
HAVASU NATIONAL WILDLIFE REFUGE	4,163	4,163	3,563	---	30,126	30,126	41,820	-11,694
LAKE HAVASU CITY	7,184	7,184	8,928	---	11,587	11,587	14,400	-2,813
CENTRAL ARIZONA PROJECT	1,518,022	1,518,022	---	---	1,518,022	1,518,022	---	---
TOWN OF PARKER	371	371	352	---	850	850	920	-70
COLORADO RIVER INDIAN RESERVATION, AZ	301,942	301,942	376,964	---	597,054	597,054	662,402	-65,348
EHRENBURG IMPROVEMENT ASSOCIATION	256	256	256	---	361	361	361	0
CIBOLA VALLEY IRRIGATION DISTRICT	16,951	16,951	16,951	---	23,707	23,707	23,707	0
CIBOLA NATIONAL WILDLIFE REFUGE	12,741	12,741	12,741	0	20,550	20,550	20,550	0
IMPERIAL NATIONAL WILDLIFE REFUGE	2,616	2,616	2,616	0	4,224	4,224	4,224	0
YUMA PROVING GROUND	495	495	550	---	495	495	550	-55
GILA MONSTER FARMS	3,587	3,587	5,244	---	6,201	6,201	9,156	-2,955
WELLTON-MOHAWK IDD	244,352	244,352	278,000	-33,648	370,905	370,905	424,350	---
CITY OF YUMA	14,606	14,606	17,051	-2,445	24,802	24,802	27,318	-2,516
MARINE CORPS AIR STATION YUMA	1,336	1,336	1,500	---	1,336	1,336	1,500	-164
UNION PACIFIC RAILROAD	24	24	24	---	48	48	48	0
UNIVERSITY OF ARIZONA	818	818	846	---	818	818	846	-28
YUMA UNION HIGH SCHOOL DISTRICT	109	109	151	---	147	147	200	-53
DESERT LAWN MEMORIAL	105	105	105	---	151	151	151	0
NORTH GILA VALLEY IDD	12,303	12,303	12,463	---	44,081	44,081	44,200	-119
YUMA IRRIGATION DISTRICT	38,736	38,736	42,581	---	69,955	69,955	75,900	-5,945
YUMA MESA IDD	101,197	101,197	111,022	---	180,984	180,984	204,904	-23,920
UNIT "B" IRRIGATION DISTRICT	19,541	19,541	19,797	---	28,277	28,277	28,550	-273
FORT YUMA INDIAN RESERVATION	1,396	1,396	1,396	---	2,149	2,149	2,149	0
YUMA COUNTY WATER USERS' ASSOCIATION	228,533	228,533	244,599	---	359,759	359,759	388,000	-28,241
COCOPA INDIAN RESERVATION	159	159	6,457	---	232	232	9,840	-9,608
RECLAMATION-YUMA AREA OFFICE	116	116	116	---	116	116	116	0
RETURN FROM SOUTH GILA WELLS	---	---	---	---	---	---	---	---
TOTAL ARIZONA	2,611,091	2,611,091	2,801,934		3,435,853	3,435,853	3,693,299	
CAP	1,518,022	1,518,022	---	---	---	1,518,022	---	---
ALL OTHERS	1,093,069	1,093,069	1,256,381	---	---	1,917,831	2,147,746	---
YUMA MESA DIVISION, GILA PROJECT	152,236	152,236	350,000	-197,764	---	295,020	---	---

ARIZONA ADJUSTED APPORTIONMENT CALCULATION

Arizona Basic Apportionment	2,800,000
Payback of IOPP overruns - (Cocopah and Beattie)	-165
CAWCD/YMIDD Pilot Conservation Program ¹	-7,000
System Conservation Water - Left in Lake Mead ²	-10,080
Total State Adjusted Apportionment	2,782,755
Excess to Total State Adjusted Apportionment	-171,664
Estimated Allowable Use for CAP	1,690,305

^{1/} in 2013 CAWCD and YMIDD entered into a Pilot Following Agreement. In 2015, it is estimated that 7,000 AF of water will be conserved by the program and that volume of water will remain in Lake Mead to benefit system storage.

^{2/} On September 15, 2015, Reclamation and the Tohono O'Odham Nation (Nation) entered into a System Conservation Implementation Agreement under the Pilot System Conservation Program in which the Nation agreed to reduce its delivery of its CAP water entitlement by 10,080 AF to create System Conservation Water. In accordance with Letter Agreement No. 15-XX-30-W0585. CAWCD agreed to not request delivery of this System Conservation Water and will allow it to remain in Lake Mead to benefit system storage.

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

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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 CY2015	Forecast Use CY2015	Estimated Use CY2015	Excess to Estimated Use CY2015	Diversion To Date CY2015	Forecast Diversion CY2015	Approved Diversion CY2015	Excess to Approved Diversion CY2015
ROBERT B. GRIFFITH WATER PROJECT (SNWS)	415,122	415,122	415,122	0	415,122	415,122	415,122	0
LAKE MEAD NRA, NV - Diversions from Lake Mead	372	372	422	---	372	372	422	-50
LAKE MEAD NRA, NV - Diversions from Lake Mohave	178	178	166	---	178	178	166	12
BASIC MANAGEMENT INC.	5,473	5,473	8,211	---	5,473	5,473	8,211	-2,738
CITY OF HENDERSON (BMI DELIVERY)	13,416	13,416	15,878	---	13,416	13,416	15,878	-2,462
NEVADA STATE DEPT. OF FISH & GAME	11	11	12	-1	530	530	363	---
PACIFIC COAST BUILDING PRODUCTS INC.	898	898	923	---	898	898	923	-25
BOULDER CANYON PROJECT	174	174	174	---	302	302	302	0
BIG BEND WATER DISTRICT	1,652	1,652	4,061	---	3,856	3,856	10,000	-6,144
FORT MOJAVE INDIAN TRIBE	2,685	2,685	3,886	---	4,011	4,011	5,800	-1,789
LAS VEGAS WASH RETURN FLOWS	-218,126	-218,126	-213,145	---				
TOTAL NEVADA	221,855	221,855	235,710	-1	444,158	444,158	457,187	-13,196
SOUTHERN NEVADA WATER SYSTEM (SNWS)	196,996	196,996				415,122		
ALL OTHERS	24,859	24,859				29,036		
NEVADA USES ABOVE HOOVER	217,518	217,518				436,291		
NEVADA USES BELOW HOOVER	4,337	4,337				7,867		

Tributary Conservation & Imported Intentionally Created Surplus

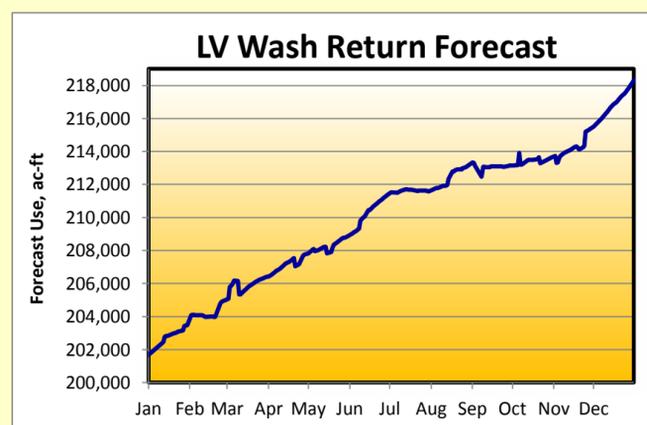
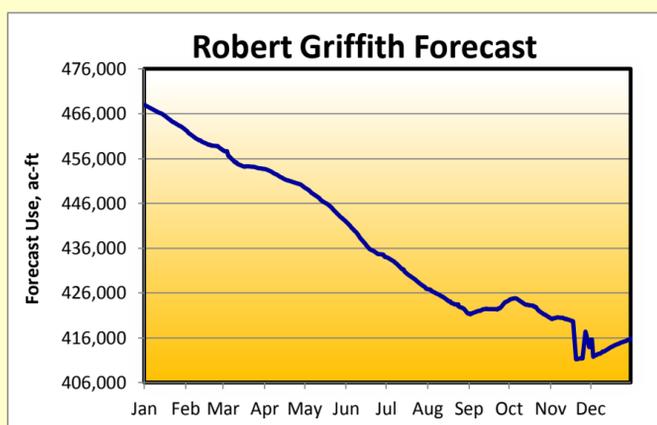
Total Requested Tributary Conservation Intentionally Created Surplus	29,500
Total Requested Imported Conservation Intentionally Created Surplus	9,000
5% System Cut for Creation of Intentionally Created Surplus	-1,925
Total Intentionally Created Surplus Left in Lake Mead	36,575

Pilot System Conservation Program

Tributary Conservation - Left in Lake Mead ¹	7,500
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NEVADA ADJUSTED APPORTIONMENT CALCULATION

Nevada Basic Apportionment	300,000
Delivery of EC ICS	75,000
Total State Adjusted Apportionment	375,000
Excess to Total State Adjusted Apportionment	-153,145
State of Nevada Unused to be Stored with MWD	150,000
State of Nevada Unused to remain in Lake Mead	-3,145



^{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.

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