

**September 24-Month Study**  
**Date: September 11, 2014**

**From:** Water Resources Group, Salt Lake City  
**To:** All Colorado River Annual Operating Plan (AOP) Recipients

**Current Reservoir Status**

Reservoir	August Inflow (unregulated) (acre-feet)	Percent of Average (%)	September 8 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	98,000	128	6503.60	326,000
Flaming Gorge	126,000	142	6028.39	3,287,000
Blue Mesa	64,000	101	7494.60	618,000
Navajo	15,800	35	6036.33	1,074,000
Powell	517,000	103	3605.70	12,302,000

**Expected Operations**

The operation of Lake Powell and Lake Mead in this September 2014 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines), and reflects the 2014 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2013 24-Month Study projections of the January 1, 2014, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2014.

Consistent with Section 6.C.1 of the Interim Guidelines, the Lake Powell operational tier for water year 2014 is the Mid-Elevation Release Tier with an annual release volume of 7.48 maf.

Consistent with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar year 2014.

The August 2014 24-Month study projected the January 1, 2015 Lake Powell elevation to be 3,596.62 feet, which is below the 2015 Equalization Elevation of 3,649 feet and above elevation 3,575 feet. Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2015 will be governed by the Upper Elevation

Balancing Tier, with an initial water year release volume of 8.23 maf and the potential for an April adjustment to equalization or balancing releases in April 2015.

This September 2014 24-Month Study projects that, consistent with Section 6.B.4 of the Interim Guidelines, an April adjustment to balancing releases is likely to occur and Lake Powell is currently projected to release 9.0 maf in water year 2015.

Consistent with the August 2014 24-Month Study and with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar year 2015.

The tier determinations will be documented in the 2015 AOP, which is currently in the final stages of development.

The Interim Guidelines are available for download at:

<http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.

The 2014 AOP is available for download at:

<http://www.usbr.gov/lc/region/g4000/aop/AOP14.pdf>.

***Fontenelle Reservoir*** – Inflows to Fontenelle Reservoir for the month of August were 98,000 acre-feet (AF), or 128 percent of average. The reservoir elevation is 6503.6 feet, 96 percent of live capacity. Inflows are averaging 1,100 cubic feet per second (cfs). Fontenelle releases are currently at 1,750 cfs.

Inflows for the next three months are projected to be above average: with September, October and November forecasted inflow volumes at 62,000 AF (135% of average), 58,000 AF (119% of average), and 51,000 AF (121% of average), respectively.

The next Fontenelle Working Group meeting is scheduled for April 22, 2015, at 10:00 am at Seedskafee Wildlife Refuge in Green River, Wyoming. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir.

***Flaming Gorge Reservoir*** – Unregulated inflow into Flaming Gorge Reservoir during the month of August was 126,000 acre-feet (AF), or 142 percent of average. The reservoir elevation is 6,028.3 feet. Observed inflows are averaging 1,500 cubic feet per second (cfs).

Flaming Gorge releases are currently 2,000 cfs average daily release with hourly fluctuations for hydropower. The base flow target is to maintain 2,400 cfs on the Green River measured at Jensen, UT.

Inflows for the next three months are projected to be above average: with September, October and November forecasted inflow volumes at 72,000 AF (131% of average), 66,000 AF (112% of average), and 62,000 AF (121% of average), respectively. The

August observed forecast of the April-July unregulated inflow volume into Flaming Gorge Reservoir is 1,159,000 AF (118% of average).

The next Flaming Gorge Working Group meeting is scheduled for April 23, 2015, at 11:00 a.m. to be held in the Utah Department of Natural Resources building in Vernal, Utah. The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stake holders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation at these meetings. Meeting notes from past Working Group meetings are posted on the Working Group webpage. For more information on this group and these meetings please contact Heather Patno at 801-524-3883.

**Aspinall Unit Reservoirs** – August unregulated inflow into Blue Mesa Reservoir was 64,000 acre-feet or 101 percent of average. Hydrologic conditions continue to improve across the basin with above average precipitation for the month. June, July, August precipitation was 20, 110, and 135 percent of average respectively. The current inflow rate into Blue Mesa Reservoir is about 800 cfs while reservoir releases are averaging about 1,300 cfs.

Blue Mesa's present elevation is 7494.60 feet, which corresponds to a storage content of about 618,000 acre-feet. The observed April through July runoff into Blue Mesa Reservoir was recorded at 849,000 acre-feet, or 126 percent of average. The reservoir reached a high elevation of 7505.06 feet on June 6, 2014, which was approximately 14.4 feet below "full" pool. Full pool is defined by the top of the spillway gates at elevation 7519.4 feet. Rarely is the reservoir filled to that level due to safety. For practical purposes; the reservoir is considered full at elevations above 7516.4 feet.

Releases from Crystal are currently set at 1450 cfs. The Gunnison Diversion Tunnel is diverting about 1050 cfs, which results in a river flow below the diversion tunnel of approximately 400 cfs. These rates will most likely change as conditions warrant, primarily as we respond to changes at the Whitewater gage as flows prescribed in the Aspinall Unit Operations Record of Decision (ROD). The ROD calls for keeping base flows at the Whitewater gage at or above 1050 cfs during September through April.

The last meeting of the "Aspinall Unit Working Group" was held on Thursday, September 4, 2014 at the Elk Creek Visitors Center at Blue Mesa Reservoir. At this meeting, review of this spring's reservoir operations, and plans for this summer and fall operations were discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. Anyone needing further information about these meetings should contact Erik Knight in the Grand Junction Area Office at (970) 248-0629.

**Navajo Reservoir** – Reclamation has been releasing 650 cfs from Navajo Reservoir since September 2nd, 2014. Releases are made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell). The San Juan River Basin

Recovery Implementation Program recommends a target base flow of between 500 cfs and 1,000 cfs through the critical habitat area. The target base flow is calculated as the weekly average of gaged flows throughout the critical habitat area.

Navajo was at 6037.7 ft of pool elevation and 1,088,371 acre-ft of storage by the end of August, which was 78% of average for the end of the month. Observed inflow into Navajo was 33,660 af, (modified-unregulated inflow volume of 15,800 af) which was 54% of average for August. Calculated evaporation for the month was 3,052 acre-ft. Navajo's releases varied between 550 cfs and 750cfs, taking advantage of rainstorms when possible to save water. Over the month, the released averaged out at 700 cfs. Navajo Reservoir recorded 1.40 inches of liquid precipitation (74% of average). NIIP diverted a total of 36,695 and has diverted a total of 176,910 af since the beginning of the year. Total April-July modified-unregulated inflow into Navajo was 428,086 af (58% of average).

As of September 2nd, the release at Navajo (as measured at the USGS at Archuleta gage) was 558 cfs, and the observed inflow was 351 cfs. NIIP was diverting 606 cfs. The reservoir elevation is 6037.40 ft and the content is 1,084,973 acre-ft, or 64% full (41% of Active). The San Juan River at Four Corners USGS gage is at 484 cfs, and the Animas River at Farmington USGS gage is at 173 cfs. The release at Navajo was increased to 650cfs at 11pm on September 2nd.

The most probable modified-unregulated inflow forecast for September at Navajo is 17,000 acre-ft (39% of average), for October is 25,000 acre-ft (53% of average), and for November is 25,000 acre-ft (75% of average). The reservoir is forecast to reach a minimum overwinter storage level of:

- Minimum Probable: 6024 ft/954,027 af
- Most Probable: 6035 ft/1,056,731 af
- Max Probable: 6037 ft/1,075,809 af

Reclamation and SJRIP agreed to forego a spring peak release for 2014 in the interests of recovering the reservoir and reducing the risk of a shortage. The release will continue to be that which is required to maintain the target base flows downstream. The last public operations meeting was held on August 26th at the Farmington Civic Center. Meeting notes are available on the USBR website. The next operations meeting is scheduled for Tuesday, January 20th 2015.

### **Glen Canyon Dam / Lake Powell**

#### **Current Status**

The unregulated inflow volume to Lake Powell in August was 517 thousand acre-feet (kaf) (103% of average). The release volume from Glen Canyon Dam in August was 801 kaf. The end of August elevation and storage of Lake Powell were 3,605.8 feet (94 feet from full pool) and 12.31 million acre-feet (maf) (51% of full capacity), respectively. The reservoir elevation reached it seasonal peak of 3,609.7 feet on July 7, 2014 and is

now declining. The reservoir elevation is expected to continue to decline until spring 2015. The April to July unregulated inflow volume to Lake Powell was 6,923 kaf (97% of average).

### **Current Operations**

The operating tier for water year 2014 is the Mid-Elevation Release Tier with an annual release volume of 7.48 maf, as established in August 2013 and pursuant to the Interim Guidelines, Section 6.C.1. Reclamation will schedule operations at Glen Canyon Dam to achieve as practicably as possible a 7.48 maf annual release by September 30, 2014. In September, the release volume will be approximately 600 kaf, with fluctuations between about 6,500 cfs in the nighttime to about 12,500 cfs in the daytime and consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997). In October, the release volume will likely be approximately 600 kaf with daily fluctuations between about 7,000 cfs and 13,000 cfs. The anticipated release volume for November is about 600 kaf with fluctuations between approximately 7,000 cfs and 13,000 cfs.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 MW of system regulation. These instantaneous release adjustments stabilize the electrical generation and transmission system and translate to a range of about 1,200 cfs above or below the hourly scheduled release rate. Under system normal conditions, fluctuations for regulation are typically short lived and generally balance out over the hour with minimal or no noticeable impacts on downstream river flow conditions.

Releases from Glen Canyon Dam can also fluctuate beyond scheduled releases when called upon to respond to unscheduled power outages or power system emergencies. Depending on the severity of the system emergency, the response from Glen Canyon Dam can be significant, within the full range of the operating capacity of the power plant for as long as is necessary to maintain balance in the transmission system. Glen Canyon Dam typically maintains 41MW (approximately 1,200 cfs) of generation capacity in reserve in order to respond to a system emergency even when generation rates are already high. System emergencies occur fairly infrequently and typically require small responses from Glen Canyon Dam. However, these responses can have a noticeable impact on the river downstream of Glen Canyon Dam.

### **Inflow Forecasts and Model Projections**

The forecast for water year 2014 unregulated inflow to Lake Powell, issued on September 1, 2014, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume will be 10.27 maf (95% of average based on the period 1981-2010). The April to July unregulated inflow volume was 6,923 kaf (97% of average).

Based on the current forecast, the September 24-Month study projects Lake Powell elevation will end the water year near 3,605 feet with approximately 12.19 maf in storage (50% capacity). Note that projections of elevation and storage have uncertainty,

primarily due to uncertainty regarding the inflow to Lake Powell. The annual release volume from Lake Powell during water year 2014 is projected to be 7.48 maf under all inflow scenarios.

Consistent with Section 6.C.1 of the Interim Guidelines, the Lake Powell operational tier for water year 2014 is the Mid-Elevation Release Tier with an annual release volume of 7.48 maf. This was determined in the August 2013 24-Month Study and documented in the 2014 Annual Operating Plan signed by Secretary Jewell in December 2013.

The August 2014 24-Month study projected the January 1, 2015 Lake Powell elevation will be below the 2015 Equalization Elevation feet and above elevation 3,575 feet. Therefore, consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2015 will be governed by the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 maf and the potential for an April adjustment to equalization or balancing releases in April 2015. An April adjustment to balancing releases is projected to occur and Lake Powell is currently projected to release 9.0 maf in water year 2015. This determination will be documented in the 2015 AOP, which is currently in the final stages of development.

### **Upper Colorado River Basin Hydrology**

The Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 14-year period 2000 to 2013, however, the unregulated inflow to Lake Powell, which is a good measure of hydrologic conditions in the Colorado River Basin, was above average in only 3 out of the past 14 years. The period 2000-2013 is the lowest 14-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.25 maf, or 76% of the 30-year average (1981-2010). (For comparison, the 1981-2010 total water year average is 10.83 maf.) The unregulated inflow during the 2000-2013 period has ranged from a low of 2.64 maf (24% of average) in water year 2002 to a high of 15.97 maf (147% of average) in water year 2011. Under the current most probable forecast, total water year 2014 unregulated inflows to Lake Powell is projected to be 10.27 maf (95% of average).

At the beginning of water year 2014, total system storage in the Colorado River Basin was 29.9 maf (50% of 59.6 maf total system capacity). This is about 4 maf less than the total storage at the beginning of water year 2013 which began at 34.0 maf (57% of capacity). Since the beginning of water year 2000, total Colorado Basin storage has experienced year to year increases and decreases in response to wet and dry hydrology, ranging from a high of 94% of capacity at the beginning of 2000 to a low of 50% of capacity at the beginning of water year 2014. One wet year can significantly increase total system reservoir storage, just as persistent dry years can draw down the system storage. Based on current inflow forecasts, the current projected end of water year 2014 total Colorado Basin reservoir storage is approximately 29.8 maf (50% of capacity). The actual end of water year storage may vary from this projection, primarily due to uncertainty regarding inflow to Lake Powell.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION  
WATER RESOURCES GROUP  
ATTENTION UC-430  
125 SOUTH STATE STREET, ROOM 6107  
SALT LAKE CITY, UT 84138-5571  
PHONE 801-524-3709

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RUNOFF AND INFLOW PROJECTIONS INTO UPPER BASIN RESERVOIRS ARE PROVIDED BY  
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICES'S  
COLORADO BASIN RIVER FORECAST CENTER AND ARE AS FOLLOWS

:			Obs		aug	Forecast		Observed		
:		may	jun	jul	aug	%Avg	sep	oct	nov	apr-jul %Avg
GLDA3: Lake Powell		2082	3039	838	517	103%:	400/	480/	420/	6923/: 97%
GBRW4: Fontenelle		272	427	220	98	128%:	62/	58/	51/	1020/: 141%
GRNU1: Flaming Gorge		333	472	226	126	142%:	72/	66/	62/	1159/: 118%
BMDC2: Blue Mesa		242	361	117	64	101%:	40/	40/	32/	849/: 126%
MPSC2: Morrow Point		268	379	120	64	96%:	43/	43/	34/	910/: 123%
CLSC2: Crystal		297	414	130	69	92%:	49/	49/	39/	995/: 119%
TPIC2: Taylor Park		30	49	18.6	9.5	92%:	6.8/	6.5/	5/	110/: 111%
VCRC2: Vallecito		59	47	15.4	13.8	70%:	11/	10/	7/	149/: 77%
NVRN5: Navajo		176	116	14.0	15.8	35%:	17/	25/	25/	429/: 58%
LEMC2: Lemon		17.1	9.7	3.3	3.9	79%:	2.2/	1.7/	1/	38/: 69%
MPHC2: McPhee		77	44	9.5	M	M%:	7/	5.8/	5/	174/: 59%
RBSC2: Ridgway		23	42	17.9	11.5	78%:	7.5/	6.5/	5/	94/: 93%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2014 24-Month Study

Most Probable Inflow\*

Fontenelle Reservoir



Date	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Sep 2013	47	2	42	0	42	6490.87	233
<b>WY 2013</b>	<b>575</b>	<b>14</b>	<b>534</b>	<b>57</b>	<b>591</b>		
H Oct 2013	53	1	19	24	43	6492.11	241
I Nov 2013	41	1	51	4	55	6489.91	226
S Dec 2013	30	1	61	0	61	6485.02	195
T Jan 2014	29	1	61	0	61	6479.35	163
O Feb 2014	29	0	55	0	55	6474.06	136
R Mar 2014	56	0	71	0	71	6470.70	121
I Apr 2014	101	1	83	1	84	6474.33	138
C May 2014	272	1	96	126	222	6483.58	186
A Jun 2014	427	2	104	254	364	6492.90	247
L Jul 2014	220	3	90	1	117	6506.25	347
* Aug 2014	98	2	100	1	108	6504.71	335
Sep 2014	62	2	36	56	92	6500.57	303
<b>WY 2014</b>	<b>1417</b>	<b>15</b>	<b>825</b>	<b>468</b>	<b>1333</b>		
Oct 2014	58	1	80	0	80	6497.47	280
Nov 2014	51	1	77	0	77	6493.68	253
Dec 2014	40	1	80	0	80	6487.59	212
Jan 2015	37	1	80	0	80	6480.38	169
Feb 2015	33	0	72	0	72	6472.32	129
Mar 2015	53	0	80	0	80	6465.75	102
Apr 2015	82	1	77	0	77	6466.79	106
May 2015	160	1	80	0	80	6483.17	185
Jun 2015	300	2	102	97	199	6497.89	283
Jul 2015	185	3	102	21	123	6505.62	343
Aug 2015	69	2	92	0	92	6502.37	317
Sep 2015	42	2	37	30	67	6498.85	290
<b>WY 2015</b>	<b>1110</b>	<b>15</b>	<b>960</b>	<b>148</b>	<b>1108</b>		
Oct 2015	46	1	69	0	69	6495.49	266
Nov 2015	41	1	67	0	67	6491.67	239
Dec 2015	32	1	69	0	69	6485.87	201
Jan 2016	30	1	69	0	69	6479.08	162
Feb 2016	28	0	62	0	62	6471.72	127
Mar 2016	53	0	69	0	69	6467.69	110
Apr 2016	85	1	77	0	77	6469.60	117
May 2016	164	1	99	5	104	6481.68	176
Jun 2016	299	2	102	105	207	6495.59	267
Jul 2016	178	3	96	0	96	6505.92	345
Aug 2016	77	2	92	0	92	6503.65	327

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Flaming Gorge Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Sep 2013	67	62	10	66	0	66	113	6015.33	2818	95
	<b>WY 2013</b>	<b>657</b>	<b>673</b>	<b>73</b>	<b>818</b>	<b>3</b>	<b>821</b>				<b>1744</b>
H	Oct 2013	68	58	6	51	0	51	113	6015.35	2819	108
I	Nov 2013	41	55	3	48	0	48	114	6015.47	2823	92
S	Dec 2013	32	62	2	49	0	49	114	6015.79	2834	66
T	Jan 2014	33	65	2	49	0	49	115	6016.19	2847	77
O	Feb 2014	46	71	2	45	0	45	116	6016.89	2871	88
R	Mar 2014	86	100	3	49	1	50	117	6018.21	2917	123
I	Apr 2014	128	111	5	50	0	50	120	6019.75	2971	306
C	May 2014	333	283	8	53	0	53	128	6025.67	3185	594
A	Jun 2014	472	409	10	208	85	293	132	6028.39	3287	775
L	Jul 2014	226	123	13	105	0	105	132	6028.51	3292	208
*	Aug 2014	126	136	13	122	0	122	132	6028.53	3293	190
	Sep 2014	72	102	11	119	0	119	131	6027.82	3266	119
	<b>WY 2014</b>	<b>1662</b>	<b>1578</b>	<b>77</b>	<b>948</b>	<b>86</b>	<b>1035</b>				<b>2748</b>
	Oct 2014	66	88	7	89	0	89	131	6027.61	3258	89
	Nov 2014	62	88	3	84	0	84	131	6027.64	3259	84
	Dec 2014	42	82	2	123	0	123	129	6026.55	3218	123
	Jan 2015	46	89	2	123	0	123	128	6025.63	3184	123
	Feb 2015	48	87	2	111	0	111	127	6024.96	3159	111
	Mar 2015	97	124	3	91	0	91	128	6025.74	3188	91
	Apr 2015	135	130	5	88	0	88	130	6026.71	3224	88
	May 2015	240	160	8	136	0	136	130	6027.12	3239	136
	Jun 2015	360	259	10	198	0	198	132	6028.42	3288	198
	Jul 2015	210	148	14	94	0	94	134	6029.44	3327	94
	Aug 2015	77	100	13	94	0	94	134	6029.28	3321	94
	Sep 2015	47	72	11	91	0	91	132	6028.53	3293	91
	<b>WY 2015</b>	<b>1430</b>	<b>1428</b>	<b>80</b>	<b>1321</b>	<b>0</b>	<b>1321</b>				<b>1321</b>
	Oct 2015	53	77	7	94	0	94	132	6027.91	3269	94
	Nov 2015	49	75	3	91	0	91	131	6027.41	3250	91
	Dec 2015	35	72	2	94	0	94	130	6026.81	3228	94
	Jan 2016	40	79	2	94	0	94	129	6026.39	3212	94
	Feb 2016	45	79	2	88	0	88	129	6026.12	3202	88
	Mar 2016	102	119	3	94	0	94	130	6026.69	3223	94
	Apr 2016	134	125	5	109	0	109	130	6026.99	3234	109
	May 2016	245	185	8	190	0	190	130	6026.66	3222	190
	Jun 2016	390	297	10	107	0	107	137	6031.18	3395	107
	Jul 2016	210	129	14	111	0	111	137	6031.29	3399	111
	Aug 2016	89	104	13	111	0	111	136	6030.82	3381	111

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Taylor Park Reservoir



Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Sep 2013	8	12	9309.95	70
<b>WY 2013</b>	<b>97</b>	<b>83</b>		
H Oct 2013	7	6	9310.82	71
I Nov 2013	5	5	9310.99	71
S Dec 2013	5	5	9310.93	71
T Jan 2014	5	5	9310.93	71
O Feb 2014	4	4	9311.08	72
R Mar 2014	5	5	9310.72	71
I Apr 2014	12	13	9310.23	70
C May 2014	31	27	9312.59	74
A Jun 2014	49	28	9324.29	95
L Jul 2014	19	25	9320.83	88
* Aug 2014	12	19	9316.50	81
Sep 2014	7	14	9312.24	74
<b>WY 2014</b>	<b>158</b>	<b>155</b>		
Oct 2014	7	8	9311.32	72
Nov 2014	5	6	9310.70	71
Dec 2014	4	5	9310.07	70
Jan 2015	4	5	9309.44	69
Feb 2015	4	5	9308.49	68
Mar 2015	4	5	9307.84	67
Apr 2015	6	5	9308.49	68
May 2015	25	12	9316.38	81
Jun 2015	40	20	9327.15	101
Jul 2015	15	22	9323.54	94
Aug 2015	9	20	9317.53	83
Sep 2015	6	16	9311.63	73
<b>WY 2015</b>	<b>128</b>	<b>129</b>		
Oct 2015	6	8	9310.28	70
Nov 2015	5	6	9309.52	69
Dec 2015	5	6	9308.68	68
Jan 2016	4	6	9307.61	66
Feb 2016	4	6	9306.16	64
Mar 2016	4	6	9305.11	62
Apr 2016	9	6	9306.96	65
May 2016	28	14	9315.77	79
Jun 2016	42	22	9326.47	99
Jul 2016	20	22	9325.51	97
Aug 2016	10	20	9320.36	88

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

### Most Probable Inflow\* Blue Mesa Reservoir



	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Sep 2013	57	61	1	66	0	66	7456.24	348
	<b>WY 2013</b>	<b>561</b>	<b>547</b>	<b>6</b>	<b>517</b>	<b>0</b>	<b>532</b>		
H	Oct 2013	48	47	0	46	0	46	7456.34	349
I	Nov 2013	33	33	0	14	0	14	7459.38	367
S	Dec 2013	25	25	0	11	0	11	7461.56	381
T	Jan 2014	22	22	0	14	0	14	7462.81	389
O	Feb 2014	23	22	0	13	0	13	7464.31	398
R	Mar 2014	32	33	0	23	0	23	7465.76	408
I	Apr 2014	129	130	1	28	0	28	7480.43	509
C	May 2014	242	240	1	69	3	72	7501.73	676
A	Jun 2014	361	338	1	185	142	353	7499.76	659
L	Jul 2014	117	123	1	118	0	118	7500.15	663
*	Aug 2014	64	72	1	104	0	104	7496.00	629
	Sep 2014	40	47	1	73	0	73	7492.65	602
	<b>WY 2014</b>	<b>1136</b>	<b>1132</b>	<b>8</b>	<b>700</b>	<b>145</b>	<b>871</b>		
	Oct 2014	40	42	1	58	0	58	7490.48	585
	Nov 2014	32	33	0	25	0	25	7491.47	593
	Dec 2014	29	30	0	55	0	55	7488.23	568
	Jan 2015	26	27	0	60	0	60	7483.86	534
	Feb 2015	23	25	0	55	0	55	7479.70	504
	Mar 2015	35	36	0	47	0	47	7478.12	492
	Apr 2015	70	69	1	35	0	35	7482.68	526
	May 2015	200	187	1	110	0	110	7492.59	602
	Jun 2015	260	240	1	52	0	52	7514.82	788
	Jul 2015	95	102	2	86	0	86	7516.40	802
	Aug 2015	52	63	1	117	0	117	7510.17	747
	Sep 2015	38	48	1	110	0	110	7502.77	684
	<b>WY 2015</b>	<b>900</b>	<b>901</b>	<b>9</b>	<b>810</b>	<b>0</b>	<b>810</b>		
	Oct 2015	38	40	1	60	0	60	7500.34	664
	Nov 2015	31	32	0	52	0	52	7497.91	644
	Dec 2015	26	27	0	90	0	90	7490.00	581
	Jan 2016	24	26	0	73	0	73	7483.81	534
	Feb 2016	22	25	0	51	0	51	7480.21	508
	Mar 2016	36	38	0	32	0	32	7480.92	513
	Apr 2016	77	74	1	42	0	42	7485.17	544
	May 2016	221	207	1	116	0	116	7496.65	634
	Jun 2016	261	241	1	76	0	76	7515.90	798
	Jul 2016	117	119	2	113	0	113	7516.40	802
	Aug 2016	63	73	1	120	0	120	7510.99	754

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Morrow Point Reservoir



Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Sep 2013	58	66	2	68	69	0	69	7154.20	112
<b>WY 2013</b>	<b>595</b>	<b>532</b>	<b>35</b>	<b>567</b>	<b>563</b>	<b>0</b>	<b>563</b>		
H Oct 2013	50	46	2	48	47	1	50	7152.26	111
I Nov 2013	34	14	1	15	0	0	15	7152.65	111
S Dec 2013	26	11	1	12	0	0	16	7147.65	107
T Jan 2014	24	14	2	16	0	0	16	7148.51	108
O Feb 2014	24	13	2	14	12	0	14	7148.21	108
R Mar 2014	33	23	1	24	25	0	25	7146.76	107
I Apr 2014	143	28	13	41	42	0	42	7146.13	106
C May 2014	268	72	26	98	93	0	93	7152.55	111
A Jun 2014	379	353	18	372	295	63	382	7138.91	101
L Jul 2014	120	118	3	122	82	8	110	7153.91	112
* Aug 2014	64	104	1	105	104	0	104	7154.40	113
Sep 2014	43	73	3	76	77	0	77	7153.73	112
<b>WY 2014</b>	<b>1209</b>	<b>871</b>	<b>72</b>	<b>943</b>	<b>776</b>	<b>73</b>	<b>943</b>		
Oct 2014	43	58	3	61	61	0	61	7153.73	112
Nov 2014	34	25	2	27	27	0	27	7153.73	112
Dec 2014	31	55	2	57	57	0	57	7153.73	112
Jan 2015	28	60	2	62	62	0	62	7153.73	112
Feb 2015	25	55	2	57	57	0	57	7153.73	112
Mar 2015	38	47	3	50	50	0	50	7153.73	112
Apr 2015	80	35	10	45	45	0	45	7153.73	112
May 2015	223	110	23	133	133	0	133	7153.73	112
Jun 2015	280	52	20	72	72	0	72	7153.73	112
Jul 2015	99	86	4	90	90	0	90	7153.73	112
Aug 2015	54	117	2	119	119	0	119	7153.73	112
Sep 2015	40	110	2	112	112	0	112	7153.73	112
<b>WY 2015</b>	<b>975</b>	<b>810</b>	<b>75</b>	<b>885</b>	<b>885</b>	<b>0</b>	<b>885</b>		
Oct 2015	40	60	2	62	62	0	62	7153.73	112
Nov 2015	33	52	2	54	54	0	54	7153.73	112
Dec 2015	28	90	2	92	92	0	92	7153.73	112
Jan 2016	27	73	2	75	75	0	75	7153.73	112
Feb 2016	25	51	3	54	54	0	54	7153.73	112
Mar 2016	40	32	4	36	36	0	36	7153.73	112
Apr 2016	88	42	11	53	53	0	53	7153.73	112
May 2016	247	116	26	142	142	0	142	7153.73	112
Jun 2016	281	76	20	96	96	0	96	7153.73	112
Jul 2016	123	113	6	119	119	0	119	7153.73	112
Aug 2016	67	120	3	123	123	0	123	7153.73	112

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*  
Crystal Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
*	Sep 2013	63	69	5	74	73	0	73	6746.17	15	48	29
	<b>WY 2013</b>	<b>661</b>	<b>563</b>	<b>65</b>	<b>628</b>	<b>614</b>	<b>14</b>	<b>627</b>			<b>363</b>	<b>291</b>
H	Oct 2013	55	50	5	54	56	0	56	6741.56	14	36	22
I	Nov 2013	40	15	6	21	15	4	19	6748.85	16	0	19
S	Dec 2013	30	16	4	20	20	0	20	6749.68	16	0	20
T	Jan 2014	27	16	3	19	6	14	20	6746.01	15	1	20
O	Feb 2014	29	14	5	19	3	17	20	6743.52	14	1	20
R	Mar 2014	39	25	6	31	30	0	31	6744.65	15	1	30
I	Apr 2014	154	42	11	53	53	0	53	6743.26	14	28	26
C	May 2014	297	93	29	122	88	22	118	6758.88	19	52	69
A	Jun 2014	414	382	35	417	108	126	419	6751.56	17	61	378
L	Jul 2014	130	110	10	120	119	2	120	6749.06	16	67	59
*	Aug 2014	69	104	4	109	108	0	108	6749.65	16	65	48
	Sep 2014	49	77	6	83	82	0	82	6753.04	17	55	27
	<b>WY 2014</b>	<b>1333</b>	<b>943</b>	<b>125</b>	<b>1068</b>	<b>688</b>	<b>184</b>	<b>1065</b>			<b>366</b>	<b>738</b>
	Oct 2014	49	61	6	67	67	0	67	6753.04	17	30	37
	Nov 2014	39	27	5	32	32	0	32	6753.04	17	0	32
	Dec 2014	36	57	5	62	62	0	62	6753.04	17	0	62
	Jan 2015	33	62	5	67	67	0	67	6753.04	17	0	67
	Feb 2015	28	57	3	60	60	0	60	6753.04	17	0	60
	Mar 2015	44	50	6	56	56	0	56	6753.04	17	5	51
	Apr 2015	91	45	11	56	56	0	56	6753.04	17	30	26
	May 2015	253	133	30	163	134	29	163	6753.04	17	55	108
	Jun 2015	310	72	30	102	102	0	102	6753.04	17	60	42
	Jul 2015	110	90	11	101	101	0	101	6753.04	17	65	36
	Aug 2015	61	119	7	126	126	0	126	6753.04	17	65	61
	Sep 2015	46	112	6	118	118	0	118	6753.04	17	55	63
	<b>WY 2015</b>	<b>1100</b>	<b>885</b>	<b>125</b>	<b>1010</b>	<b>981</b>	<b>29</b>	<b>1010</b>			<b>365</b>	<b>645</b>
	Oct 2015	46	62	6	68	68	0	68	6753.04	17	30	38
	Nov 2015	38	54	5	59	59	0	59	6753.04	17	0	59
	Dec 2015	32	92	5	96	96	0	96	6753.04	17	0	96
	Jan 2016	31	75	5	80	80	0	80	6753.04	17	0	80
	Feb 2016	29	54	4	57	57	0	57	6753.04	17	0	57
	Mar 2016	46	36	6	42	42	0	42	6753.04	17	5	37
	Apr 2016	101	53	12	66	66	0	66	6753.04	17	30	36
	May 2016	281	142	34	176	134	42	176	6753.04	17	55	121
	Jun 2016	315	96	34	130	130	0	130	6753.04	17	60	70
	Jul 2016	138	119	14	133	133	0	133	6753.04	17	65	68
	Aug 2016	75	123	8	132	132	0	132	6753.04	17	65	67

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*  
Vallecito Reservoir



	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Sep 2013	45	7	7639.82	64
	<b>WY 2013</b>	<b>169</b>	<b>138</b>		
H	Oct 2013	18	2	7646.84	80
I	Nov 2013	10	2	7650.16	87
S	Dec 2013	7	2	7652.32	93
T	Jan 2014	6	2	7653.61	96
O	Feb 2014	5	2	7654.41	98
R	Mar 2014	7	11	7653.05	94
I	Apr 2014	28	16	7657.59	106
C	May 2014	59	43	7663.60	122
A	Jun 2014	47	50	7662.12	118
L	Jul 2014	15	38	7653.12	95
*	Aug 2014	14	32	7645.08	75
	Sep 2014	11	29	7636.36	57
	<b>WY 2014</b>	<b>226</b>	<b>230</b>		
	Oct 2014	10	17	7632.55	49
	Nov 2014	7	1	7635.38	55
	Dec 2014	5	2	7637.08	58
	Jan 2015	4	2	7638.25	61
	Feb 2015	4	1	7639.22	63
	Mar 2015	6	2	7640.99	66
	Apr 2015	18	1	7648.18	83
	May 2015	65	31	7661.57	116
	Jun 2015	67	62	7663.25	121
	Jul 2015	27	42	7657.47	106
	Aug 2015	18	38	7649.29	85
	Sep 2015	15	30	7642.79	70
	<b>WY 2015</b>	<b>245</b>	<b>228</b>		
	Oct 2015	14	17	7641.31	67
	Nov 2015	8	1	7644.38	74
	Dec 2015	6	2	7646.45	79
	Jan 2016	5	2	7648.07	82
	Feb 2016	5	1	7649.42	86
	Mar 2016	9	2	7652.26	92
	Apr 2016	23	1	7660.71	114
	May 2016	71	65	7663.11	120
	Jun 2016	70	70	7663.02	120
	Jul 2016	29	41	7658.05	107
	Aug 2016	20	38	7650.71	89

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*  
Navajo Reservoir



	Date	Mod Unreg Inflow (1000 Ac-Ft)	Azetea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
*	Sep 2013	151	5	110	2	15	25	6022.28	933	90
	<b>WY 2013</b>	<b>543</b>	<b>42</b>	<b>472</b>	<b>20</b>	<b>205</b>	<b>349</b>			<b>604</b>
H	Oct 2013	57	3	38	1	4	15	6024.13	951	45
I	Nov 2013	35	1	26	1	0	16	6025.11	960	43
S	Dec 2013	26	0	21	0	0	16	6025.59	965	39
T	Jan 2014	19	0	16	0	0	17	6025.41	963	36
O	Feb 2014	23	0	21	1	0	18	6025.70	966	35
R	Mar 2014	52	2	53	1	4	18	6028.76	996	41
I	Apr 2014	123	14	98	2	21	18	6034.32	1053	64
C	May 2014	176	20	141	3	31	17	6042.68	1142	115
A	Jun 2014	116	19	98	4	39	20	6045.77	1177	148
L	Jul 2014	14	2	35	4	44	29	6042.03	1135	64
*	Aug 2014	16	1	34	3	37	40	6037.72	1088	61
	Sep 2014	17	0	35	2	40	21	6035.06	1060	21
	<b>WY 2014</b>	<b>676</b>	<b>61</b>	<b>616</b>	<b>23</b>	<b>220</b>	<b>246</b>			<b>713</b>
	Oct 2014	25	1	32	1	15	17	6034.86	1058	17
	Nov 2014	25	0	19	1	0	15	6035.14	1061	15
	Dec 2014	18	0	15	1	0	16	6034.97	1059	16
	Jan 2015	16	0	14	1	0	20	6034.29	1052	20
	Feb 2015	21	0	19	1	0	19	6034.16	1051	19
	Mar 2015	62	1	57	1	5	20	6037.10	1082	20
	Apr 2015	121	12	92	2	19	19	6041.96	1134	19
	May 2015	260	37	189	3	33	49	6051.12	1239	49
	Jun 2015	180	33	142	4	48	77	6052.23	1252	77
	Jul 2015	45	7	52	4	52	23	6049.97	1225	23
	Aug 2015	35	1	53	3	44	27	6048.18	1204	27
	Sep 2015	32	1	46	3	24	22	6047.91	1201	22
	<b>WY 2015</b>	<b>840</b>	<b>93</b>	<b>730</b>	<b>24</b>	<b>241</b>	<b>324</b>			<b>324</b>
	Oct 2015	39	1	40	2	9	22	6048.63	1210	22
	Nov 2015	31	1	23	1	0	21	6048.74	1211	21
	Dec 2015	25	0	20	1	0	22	6048.56	1209	22
	Jan 2016	22	0	18	1	0	22	6048.20	1205	22
	Feb 2016	30	0	27	1	0	20	6048.70	1210	20
	Mar 2016	92	2	83	2	5	23	6053.20	1264	23
	Apr 2016	170	15	133	2	20	36	6059.33	1339	36
	May 2016	277	41	229	3	33	216	6057.44	1316	216
	Jun 2016	224	33	190	4	49	194	6052.73	1258	194
	Jul 2016	66	7	71	4	52	28	6051.64	1245	28
	Aug 2016	45	2	61	3	44	24	6050.81	1235	24

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Lake Powell



	Date	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry Gage (1000 Ac-Ft)
*	Sep 2013	857	802	44	600	0	600	3591.25	4928	10934	607
	<b>WY 2013</b>	<b>5117</b>	<b>5358</b>	<b>361</b>	<b>8154</b>	<b>78</b>	<b>8232</b>				<b>8264</b>
H	Oct 2013	549	475	30	481	0	481	3590.88	4926	10900	483
I	Nov 2013	476	435	29	553	143	696	3587.90	4904	10631	695
S	Dec 2013	295	291	23	601	0	601	3584.43	4880	10324	595
T	Jan 2014	270	271	7	800	0	800	3578.69	4840	9828	811
O	Feb 2014	330	321	7	599	0	599	3575.55	4819	9563	604
R	Mar 2014	509	444	12	504	0	504	3574.76	4813	9497	510
I	Apr 2014	964	774	19	502	0	502	3577.56	4832	9732	512
C	May 2014	2082	1632	24	493	0	493	3589.38	4915	10764	498
A	Jun 2014	3039	2676	42	598	0	598	3609.19	5066	12649	609
L	Jul 2014	838	730	53	800	0	800	3608.05	5056	12535	814
*	Aug 2014	517	615	53	801	0	801	3605.82	5039	12314	818
	Sep 2014	400	524	48	605	0	605	3604.60	5029	12195	617
	<b>WY 2014</b>	<b>10269</b>	<b>9189</b>	<b>347</b>	<b>7337</b>	<b>143</b>	<b>7480</b>				<b>7566</b>
	Oct 2014	480	529	33	600	0	600	3603.61	5022	12098	609
	Nov 2014	420	426	32	600	0	600	3601.64	5006	11907	610
	Dec 2014	330	435	25	800	0	800	3597.85	4977	11546	808
	Jan 2015	330	445	8	800	0	800	3594.25	4950	11210	811
	Feb 2015	370	464	8	650	0	650	3592.30	4936	11030	657
	Mar 2015	580	550	14	650	0	650	3591.15	4928	10925	656
	Apr 2015	950	797	22	600	0	600	3592.92	4941	11087	609
	May 2015	2250	1915	27	650	0	650	3604.99	5032	12233	658
	Jun 2015	2600	2208	45	800	0	800	3617.45	5133	13495	808
	Jul 2015	850	762	56	1000	0	1000	3614.83	5111	13223	1017
	Aug 2015	400	519	55	1050	0	1050	3609.51	5068	12681	1069
	Sep 2015	350	481	49	800	0	800	3606.08	5041	12340	813
	<b>WY 2015</b>	<b>9910</b>	<b>9529</b>	<b>372</b>	<b>9000</b>	<b>0</b>	<b>9000</b>				<b>9124</b>
	Oct 2015	464	519	33	600	0	600	3605.00	5032	12234	609
	Nov 2015	450	504	32	600	0	600	3603.79	5023	12116	610
	Dec 2015	363	482	25	800	0	800	3600.50	4998	11798	808
	Jan 2016	361	463	8	800	0	800	3597.13	4972	11479	811
	Feb 2016	393	455	8	650	0	650	3595.12	4957	11290	657
	Mar 2016	665	591	14	650	0	650	3594.39	4952	11223	656
	Apr 2016	1056	896	22	600	0	600	3597.11	4972	11476	609
	May 2016	2343	2196	28	650	0	650	3611.50	5084	12882	658
	Jun 2016	2666	2252	47	800	0	800	3623.91	5188	14183	808
	Jul 2016	1091	1008	59	1000	0	1000	3623.48	5185	14136	1017
	Aug 2016	500	603	58	1050	0	1050	3619.10	5147	13668	1069

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Hoover Dam - Lake Mead



	Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Sep 2013	600	155	64	599	10.1	16	590	804	1106.92	12362
	<b>WY 2013</b>	<b>8232</b>	<b>824</b>	<b>612</b>	<b>9043</b>		<b>224</b>	<b>8927</b>			
H	Oct 2013	481	38	47	733	11.9	19	718	786	1104.04	12099
I	Nov 2013	696	101	47	513	8.6	12	510	800	1106.36	12310
S	Dec 2013	601	43	40	558	9.1	9	556	802	1106.73	12344
T	Jan 2014	800	45	33	605	9.8	8	604	815	1108.75	12531
O	Feb 2014	599	76	31	717	12.9	8	716	810	1107.94	12456
R	Mar 2014	504	29	34	1090	17.7	13	1087	773	1101.71	11888
I	Apr 2014	502	17	41	1134	19.1	20	1130	731	1094.55	11254
C	May 2014	493	13	46	1086	17.7	30	1084	692	1087.46	10639
A	Jun 2014	598	10	54	959	16.1	28	803	665	1082.66	10233
L	Jul 2014	800	55	67	943	15.3	28	941	654	1080.60	10061
*	Aug 2014	801	112	71	735	12.0	23	727	659	1081.55	10140
	Sep 2014	605	97	58	752	12.6	22	752	651	1080.07	10017
	<b>WY 2014</b>	<b>7480</b>	<b>635</b>	<b>567</b>	<b>9825</b>		<b>219</b>	<b>9629</b>			
	Oct 2014	600	52	42	524	8.5	24	524	655	1080.77	10075
	Nov 2014	600	52	42	602	10.1	15	602	654	1080.69	10068
	Dec 2014	800	95	37	552	9.0	8	552	673	1084.03	10348
	Jan 2015	800	75	30	626	10.2	7	626	686	1086.39	10548
	Feb 2015	650	78	28	699	12.6	8	699	685	1086.31	10541
	Mar 2015	650	68	31	1046	17.0	14	1046	662	1082.16	10191
	Apr 2015	600	80	38	1111	18.7	19	1111	633	1076.62	9733
	May 2015	650	60	43	1005	16.3	32	1005	610	1072.33	9385
	Jun 2015	800	23	51	921	15.5	30	921	599	1070.23	9218
	Jul 2015	1000	64	64	899	14.6	32	899	603	1071.05	9283
	Aug 2015	1050	116	68	830	13.5	28	830	618	1073.85	9508
	Sep 2015	800	97	57	745	12.5	19	745	623	1074.73	9579
	<b>WY 2015</b>	<b>9000</b>	<b>861</b>	<b>532</b>	<b>9559</b>		<b>236</b>	<b>9559</b>			
	Oct 2015	600	52	41	500	8.1	22	500	628	1075.77	9663
	Nov 2015	600	52	41	634	10.6	13	634	626	1075.36	9630
	Dec 2015	800	95	36	564	9.2	6	564	644	1078.67	9901
	Jan 2016	800	75	30	610	9.9	7	610	658	1081.26	10115
	Feb 2016	650	78	27	676	11.8	9	676	658	1081.43	10130
	Mar 2016	650	68	31	1042	16.9	14	1042	636	1077.25	9784
	Apr 2016	600	80	37	1119	18.8	20	1119	606	1071.50	9319
	May 2016	650	60	42	1007	16.4	33	1007	583	1067.09	8970
	Jun 2016	800	23	50	922	15.5	30	922	572	1064.94	8802
	Jul 2016	1000	64	62	897	14.6	33	897	576	1065.80	8869
	Aug 2016	1050	116	67	811	13.2	29	811	592	1068.90	9113

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2014 24-Month Study

Most Probable Inflow\*

Davis Dam - Lake Mohave



Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
* Sep 2013	599	-11	18	681	0	681	11.4	640.23	1624
<b>WY 2013</b>	<b>9043</b>	<b>-158</b>	<b>198</b>	<b>8669</b>	<b>0</b>	<b>8669</b>			
H Oct 2013	733	-13	15	768	0	768	12.5	637.86	1560
I Nov 2013	513	4	11	531	0	531	8.9	636.95	1537
S Dec 2013	558	-10	9	470	0	470	7.6	639.57	1606
T Jan 2014	605	-7	10	552	0	552	9.0	640.94	1643
O Feb 2014	717	-22	10	658	0	658	11.9	641.96	1670
R Mar 2014	1090	-12	13	1074	0	1074	17.5	641.61	1661
I Apr 2014	1134	-21	17	1054	0	1054	17.7	643.13	1702
C May 2014	1086	-17	22	1023	0	1022	16.6	644.01	1726
A Jun 2014	959	-19	25	947	0	947	15.9	642.83	1694
L Jul 2014	943	-10	25	900	0	900	14.6	643.10	1701
* Aug 2014	735	-6	23	697	0	697	11.3	643.43	1711
Sep 2014	752	-4	19	777	0	777	13.1	641.68	1663
<b>WY 2014</b>	<b>9825</b>	<b>-137</b>	<b>198</b>	<b>9451</b>	<b>0</b>	<b>9450</b>			
Oct 2014	524	-2	15	684	0	684	11.1	635.00	1486
Nov 2014	602	-13	10	553	0	553	9.3	636.00	1512
Dec 2014	552	-17	9	455	0	455	7.4	638.71	1583
Jan 2015	626	-14	10	519	0	519	8.4	641.80	1666
Feb 2015	699	-10	10	679	0	679	12.2	641.80	1666
Mar 2015	1046	-15	13	983	0	983	16.0	643.05	1700
Apr 2015	1111	-17	17	1078	0	1078	18.1	643.00	1699
May 2015	1005	-13	22	970	0	970	15.8	643.00	1699
Jun 2015	921	-14	25	909	0	909	15.3	642.00	1671
Jul 2015	899	-10	25	877	0	877	14.3	641.50	1658
Aug 2015	830	-11	23	797	0	797	13.0	641.50	1658
Sep 2015	745	-4	18	763	0	763	12.8	640.01	1617
<b>WY 2015</b>	<b>9559</b>	<b>-141</b>	<b>197</b>	<b>9266</b>	<b>0</b>	<b>9266</b>			
Oct 2015	500	-2	15	666	0	666	10.8	633.00	1434
Nov 2015	634	-13	10	559	0	559	9.4	635.00	1486
Dec 2015	564	-17	9	441	0	441	7.2	638.71	1583
Jan 2016	610	-14	10	503	0	503	8.2	641.80	1666
Feb 2016	676	-10	10	656	0	656	11.4	641.80	1666
Mar 2016	1042	-15	13	979	0	979	15.9	643.05	1700
Apr 2016	1119	-17	17	1086	0	1086	18.2	643.00	1699
May 2016	1007	-13	22	972	0	972	15.8	643.00	1699
Jun 2016	922	-14	25	910	0	910	15.3	642.00	1671
Jul 2016	897	-10	25	875	0	875	14.2	641.50	1658
Aug 2016	811	-11	23	778	0	778	12.6	641.50	1658

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Parker Dam - Lake Havasu



	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Sep 2013	681	23	15	486	8.2	91	149	446.96	560	96	1.6
	<b>WY 2013</b>	<b>8669</b>	<b>246</b>	<b>141</b>	<b>6389</b>		<b>780</b>	<b>1521</b>			<b>1477</b>	
H	Oct 2013	768	19	12	467	7.6	99	186	447.91	578	70	1.1
I	Nov 2013	531	25	9	314	5.3	77	144	448.37	587	89	1.5
S	Dec 2013	470	7	7	285	4.6	100	138	445.37	531	99	1.6
T	Jan 2014	552	13	6	353	5.7	101	84	446.23	547	131	2.1
O	Feb 2014	658	20	8	450	8.1	48	130	448.13	582	162	2.9
R	Mar 2014	1074	-3	9	809	13.1	90	176	447.05	562	260	4.2
I	Apr 2014	1054	24	11	756	12.7	105	178	448.11	582	241	4.0
C	May 2014	1022	-3	13	694	11.3	110	184	448.48	589	115	1.9
A	Jun 2014	947	11	15	713	12.0	95	133	447.90	578	112	4.5
L	Jul 2014	900	18	17	685	11.1	105	93	448.27	585	118	1.9
*	Aug 2014	697	26	17	495	8.1	106	99	448.10	582	100	1.6
	Sep 2014	777	25	15	532	8.9	105	152	447.50	571	89	1.5
	<b>WY 2014</b>	<b>9450</b>	<b>180</b>	<b>139</b>	<b>6553</b>		<b>1140</b>	<b>1697</b>			<b>1586</b>	
	Oct 2014	684	25	12	445	7.2	108	137	447.50	571	55	0.9
	Nov 2014	553	31	9	353	5.9	97	120	447.50	571	86	1.4
	Dec 2014	455	23	7	267	4.3	101	118	446.50	552	97	1.6
	Jan 2015	519	16	6	352	5.7	80	92	446.50	552	125	2.0
	Feb 2015	679	11	8	453	8.2	70	152	446.50	552	156	2.8
	Mar 2015	983	17	9	725	11.8	80	174	446.70	555	201	3.3
	Apr 2015	1078	21	11	798	13.4	77	167	448.70	593	212	3.6
	May 2015	970	21	13	713	11.6	80	173	448.70	593	111	1.8
	Jun 2015	909	17	16	698	11.7	77	122	448.70	593	109	1.8
	Jul 2015	877	29	17	722	11.7	80	87	448.00	580	111	1.8
	Aug 2015	797	27	17	638	10.4	80	86	447.50	571	105	1.7
	Sep 2015	763	25	15	567	9.5	77	120	447.50	570	102	1.7
	<b>WY 2015</b>	<b>9266</b>	<b>263</b>	<b>139</b>	<b>6732</b>		<b>1004</b>	<b>1549</b>			<b>1471</b>	
	Oct 2015	666	25	12	467	7.6	80	125	447.50	571	65	1.1
	Nov 2015	559	31	9	378	6.4	77	122	447.50	571	99	1.7
	Dec 2015	441	23	7	284	4.6	80	108	446.50	552	105	1.7
	Jan 2016	503	16	6	348	5.7	69	92	446.50	552	125	2.0
	Feb 2016	656	11	8	437	7.6	63	152	446.50	552	156	2.7
	Mar 2016	979	17	9	732	11.9	69	174	446.70	555	201	3.3
	Apr 2016	1086	21	11	816	13.7	66	167	448.70	593	212	3.6
	May 2016	972	21	13	726	11.8	69	173	448.70	593	111	1.8
	Jun 2016	910	17	16	709	11.9	66	122	448.70	593	109	1.8
	Jul 2016	875	29	17	730	11.9	69	87	448.00	580	111	1.8
	Aug 2016	778	27	17	630	10.2	69	86	447.50	571	105	1.7

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Hoover Dam - Lake Mead



	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Sep 2013	599	10.1	1106.92	12362	73	464.61	1737.0	242.5	100	405.1
	<b>WY 2013</b>	<b>9043</b>						<b>3770.1</b>			
H	Oct 2013	733	11.9	1104.04	12099	-263	460.18	1332.0	300.5	77	410.1
I	Nov 2013	513	8.6	1106.36	12310	212	465.65	1179.0	209.8	68	408.7
S	Dec 2013	558	9.1	1106.73	12344	34	463.77	1188.0	230.3	68	412.8
T	Jan 2014	605	9.8	1108.75	12531	186	465.47	746.0	250.9	43	414.5
O	Feb 2014	717	12.9	1107.94	12456	-75	461.16	1415.0	298.2	81	415.9
R	Mar 2014	1090	17.7	1101.71	11888	-567	457.72	1234.0	451.5	71	414.3
I	Apr 2014	1134	19.1	1094.55	11254	-635	447.66	1146.0	459.8	68	405.6
C	May 2014	1086	17.7	1087.46	10639	-615	440.39	1341.0	431.0	81	397.1
A	Jun 2014	959	16.1	1082.66	10233	-406	437.98	1541.0	372.9	93	388.7
L	Jul 2014	943	15.3	1080.60	10061	-172	434.94	1615.0	363.6	100	385.7
*	Aug 2014	735	12.0	1081.55	10140	79	436.53	1493.0	279.3	94	379.9
	Sep 2014	752	12.6	1080.07	10017	-123	428.28	1493.0	290.5	94	386.1
	<b>WY 2014</b>	<b>9825</b>						<b>3938.5</b>			
	Oct 2014	524	8.5	1080.77	10075	58	432.56	1193.0	198.3	76	378.4
	Nov 2014	602	10.1	1080.69	10068	-7	435.55	1069.0	235.9	68	391.6
	Dec 2014	552	9.0	1084.03	10348	280	436.06	1068.0	212.8	67	385.7
	Jan 2015	626	10.2	1086.39	10548	200	436.65	1129.0	245.4	70	392.3
	Feb 2015	699	12.6	1086.31	10541	-7	438.78	831.0	284.3	52	406.4
	Mar 2015	1046	17.0	1082.16	10191	-350	434.21	1120.0	416.3	71	398.1
	Apr 2015	1111	18.7	1076.62	9733	-458	428.54	1164.0	440.3	75	396.3
	May 2015	1005	16.3	1072.33	9385	-347	422.31	1340.0	380.9	88	379.1
	Jun 2015	921	15.5	1070.23	9218	-167	420.10	1239.0	351.8	82	382.1
	Jul 2015	899	14.6	1071.05	9283	65	418.06	1514.0	336.2	100	374.0
	Aug 2015	830	13.5	1073.85	9508	225	420.02	1530.0	316.0	100	380.7
	Sep 2015	745	12.5	1074.73	9579	72	422.33	1539.0	282.8	100	379.7
	<b>WY 2015</b>	<b>9559</b>						<b>3700.9</b>			
	Oct 2015	500	8.1	1075.77	9663	84	427.52	1234.0	191.8	80	384.0
	Nov 2015	634	10.6	1075.36	9630	-33	430.58	1165.0	242.4	76	382.6
	Dec 2015	564	9.2	1078.67	9901	271	429.59	1263.0	214.2	81	379.4
	Jan 2016	610	9.9	1081.26	10115	214	430.23	1285.0	234.3	82	383.8
	Feb 2016	676	11.8	1081.43	10130	15	433.79	817.3	269.5	52	398.4
	Mar 2016	1042	16.9	1077.25	9784	-346	429.34	1100.8	409.8	71	393.4
	Apr 2016	1119	18.8	1071.50	9319	-465	423.55	1143.3	438.3	75	391.9
	May 2016	1007	16.4	1067.09	8970	-349	417.17	1315.8	377.1	88	374.4
	Jun 2016	922	15.5	1064.94	8802	-168	414.88	1216.4	347.6	82	377.2
	Jul 2016	897	14.6	1065.80	8869	67	412.84	1486.3	331.2	100	369.1
	Aug 2016	811	13.2	1068.90	9113	244	414.97	1503.8	304.3	100	375.2

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Davis Dam - Lake Mohave



	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Sep 2013	681	11.4	640.23	1624	-112	138.83	255.0	89.1	100	130.8
	<b>WY 2013</b>	<b>8669</b>						<b>1092.0</b>			
H	Oct 2013	768	12.5	637.86	1560	-63	136.18	196.4	94.7	77	123.3
I	Nov 2013	531	8.9	636.95	1537	-24	137.13	158.1	61.5	62	115.9
S	Dec 2013	470	7.6	639.57	1606	69	136.36	173.4	59.4	68	126.5
T	Jan 2014	552	9.0	640.94	1643	37	139.11	163.2	68.9	64	124.9
O	Feb 2014	658	11.9	641.96	1670	28	138.63	173.4	84.5	68	128.3
R	Mar 2014	1074	17.5	641.61	1661	-10	138.63	252.5	134.6	99	125.3
I	Apr 2014	1054	17.7	643.13	1702	42	141.55	255.0	132.2	100	125.4
C	May 2014	1023	16.6	644.01	1726	24	143.52	255.0	127.7	100	124.9
A	Jun 2014	947	15.9	642.83	1694	-32	141.57	255.0	119.3	100	126.0
L	Jul 2014	900	14.6	643.10	1701	7	143.48	244.8	112.8	96	125.4
*	Aug 2014	697	11.3	643.43	1711	9	143.79	252.5	88.3	99	126.7
	Sep 2014	777	13.1	641.68	1663	-48	135.57	255.0	97.5	100	125.5
	<b>WY 2014</b>	<b>9451</b>						<b>1181.5</b>			
	Oct 2014	684	11.1	635.00	1486	-177	133.02	191.3	83.7	75	122.4
	Nov 2014	553	9.3	636.00	1512	26	131.19	158.1	66.7	62	120.5
	Dec 2014	455	7.4	638.71	1583	71	132.59	173.4	55.9	68	122.9
	Jan 2015	519	8.4	641.80	1666	83	135.97	163.2	64.9	64	125.1
	Feb 2015	679	12.2	641.80	1666	0	136.77	186.2	85.0	73	125.1
	Mar 2015	983	16.0	643.05	1700	34	135.44	255.0	122.3	100	124.5
	Apr 2015	1078	18.1	643.00	1699	-2	136.07	255.0	134.1	100	124.4
	May 2015	970	15.8	643.00	1699	0	136.04	255.0	121.3	100	125.0
	Jun 2015	909	15.3	642.00	1671	-27	135.51	255.0	113.3	100	124.7
	Jul 2015	877	14.3	641.50	1658	-14	134.73	255.0	109.0	100	124.4
	Aug 2015	797	13.0	641.50	1658	0	134.46	255.0	99.2	100	124.6
	Sep 2015	763	12.8	640.01	1617	-40	133.68	255.0	94.5	100	124.0
	<b>WY 2015</b>	<b>9266</b>						<b>1150.0</b>			
	Oct 2015	666	10.8	633.00	1434	-183	129.77	234.6	80.4	92	120.8
	Nov 2015	559	9.4	635.00	1486	51	127.90	209.1	66.6	82	119.1
	Dec 2015	441	7.2	638.71	1583	97	130.45	224.4	54.1	88	122.6
	Jan 2016	503	8.2	641.80	1666	83	135.97	163.2	63.0	64	125.2
	Feb 2016	656	11.4	641.80	1666	0	137.17	173.4	82.3	68	125.4
	Mar 2016	979	15.9	643.05	1700	34	135.44	255.0	121.9	100	124.5
	Apr 2016	1086	18.2	643.00	1699	-2	136.07	255.0	135.0	100	124.3
	May 2016	972	15.8	643.00	1699	0	136.04	255.0	121.6	100	125.0
	Jun 2016	910	15.3	642.00	1671	-27	135.51	255.0	113.5	100	124.7
	Jul 2016	875	14.2	641.50	1658	-14	134.73	255.0	108.8	100	124.4
	Aug 2016	778	12.6	641.50	1658	0	134.46	255.0	97.0	100	124.7

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Parker Dam - Lake Havasu



	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Sep 2013	486	8.2	446.96	560	-43	80.66	120.0	34.5	100	71.0
	<b>WY 2013</b>	<b>6389</b>							<b>439.1</b>		
H	Oct 2013	467	7.6	447.91	578	18	83.28	96.0	31.7	80	67.9
I	Nov 2013	314	5.3	448.37	587	9	82.63	92.4	22.1	77	70.5
S	Dec 2013	285	4.6	445.37	531	-56	80.69	91.2	19.0	76	66.8
T	Jan 2014	353	5.7	446.23	547	16	80.02	90.0	24.2	75	68.4
O	Feb 2014	450	8.1	448.13	582	35	82.38	92.4	31.2	77	69.4
R	Mar 2014	809	13.1	447.05	562	-20	77.18	106.8	55.4	89	68.5
I	Apr 2014	756	12.7	448.11	582	20	80.82	120.0	52.3	100	69.1
C	May 2014	694	11.3	448.48	589	7	80.45	106.8	49.2	89	70.8
A	Jun 2014	713	12.0	447.90	578	-11	81.61	120.0	49.8	100	69.8
L	Jul 2014	685	11.1	448.27	585	7	82.46	120.0	47.9	100	70.0
*	Aug 2014	495	8.1	448.10	582	-3	81.82	120.0	35.2	100	71.2
	Sep 2014	532	8.9	447.50	571	-11	75.18	120.0	34.7	100	65.3
	<b>WY 2014</b>	<b>6553</b>							<b>452.7</b>		
	Oct 2014	445	7.2	447.50	571	0	75.69	102.0	29.0	85	65.2
	Nov 2014	353	5.9	447.50	571	0	75.69	102.0	22.8	85	64.5
	Dec 2014	267	4.3	446.50	552	-19	75.20	102.0	16.8	85	62.8
	Jan 2015	352	5.7	446.50	552	0	74.71	102.0	22.5	85	63.8
	Feb 2015	453	8.2	446.50	552	0	73.92	120.0	29.1	100	64.2
	Mar 2015	725	11.8	446.70	555	4	74.01	120.0	47.1	100	65.0
	Apr 2015	798	13.4	448.70	593	38	75.08	120.0	52.7	100	66.0
	May 2015	713	11.6	448.70	593	0	76.05	120.0	47.5	100	66.5
	Jun 2015	698	11.7	448.70	593	0	76.05	120.0	46.4	100	66.5
	Jul 2015	722	11.7	448.00	580	-13	75.71	120.0	47.8	100	66.3
	Aug 2015	638	10.4	447.50	571	-9	75.13	120.0	41.9	100	65.6
	Sep 2015	567	9.5	447.50	570	0	74.89	120.0	37.0	100	65.2
	<b>WY 2015</b>	<b>6732</b>							<b>440.5</b>		
	Oct 2015	467	7.6	447.50	571	0	75.69	102.0	30.5	85	65.4
	Nov 2015	378	6.4	447.50	571	0	75.69	102.0	24.5	85	64.8
	Dec 2015	284	4.6	446.50	552	-19	75.20	102.0	18.0	85	63.2
	Jan 2016	348	5.7	446.50	552	0	74.71	102.0	22.2	85	63.7
	Feb 2016	437	7.6	446.50	552	0	73.92	120.0	28.0	100	64.0
	Mar 2016	732	11.9	446.70	555	4	74.01	120.0	47.6	100	65.0
	Apr 2016	816	13.7	448.70	593	38	75.08	120.0	53.9	100	66.1
	May 2016	726	11.8	448.70	593	0	76.05	120.0	48.3	100	66.5
	Jun 2016	709	11.9	448.70	593	0	76.05	120.0	47.2	100	66.6
	Jul 2016	730	11.9	448.00	580	-13	75.71	120.0	48.4	100	66.3
	Aug 2016	630	10.2	447.50	571	-9	75.13	120.0	41.3	100	65.6

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Upper Basin Power



Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
* Sep 2013	253	25	17	24	14	3
<b>Summer 2013</b>	<b>1789</b>	<b>173</b>	<b>108</b>	<b>153</b>	<b>90</b>	<b>19</b>
H Oct 2013	202	19	12	16	10	1
I Nov 2013	231	18	3	0	1	4
S Dec 2013	253	19	3	0	1	5
T Jan 2014	337	19	3	0	0	4
O Feb 2014	247	17	3	4	0	4
R Mar 2014	207	19	6	8	4	4
<b>Winter 2014</b>	<b>1477</b>	<b>110</b>	<b>30</b>	<b>28</b>	<b>17</b>	<b>22</b>
I Apr 2014	206	19	7	13	9	5
C May 2014	204	20	19	32	17	6
A Jun 2014	260	80	54	103	21	7
L Jul 2014	354	41	35	29	22	8
* Aug 2014	353	48	31	37	21	9
Sep 2014	242	44	22	28	14	3
<b>Summer 2014</b>	<b>1619</b>	<b>253</b>	<b>168</b>	<b>241</b>	<b>104</b>	<b>39</b>
Oct 2014	240	33	17	22	12	7
Nov 2014	239	31	7	10	6	7
Dec 2014	316	45	16	21	11	7
Jan 2015	313	45	17	22	12	6
Feb 2015	254	40	16	21	10	5
Mar 2015	252	33	14	18	10	5
<b>Winter 2015</b>	<b>1613</b>	<b>226</b>	<b>88</b>	<b>113</b>	<b>60</b>	<b>37</b>
Apr 2015	232	32	10	16	10	5
May 2015	255	50	32	48	23	6
Jun 2015	322	72	16	26	18	9
Jul 2015	407	34	27	33	17	10
Aug 2015	424	34	37	43	22	9
Sep 2015	322	33	34	40	20	3
<b>Summer 2015</b>	<b>1963</b>	<b>256</b>	<b>156</b>	<b>206</b>	<b>110</b>	<b>41</b>
Oct 2015	239	34	18	22	12	6
Nov 2015	238	33	16	19	10	6
Dec 2015	316	34	27	33	17	6
Jan 2016	314	34	21	27	14	5
Feb 2016	254	32	15	19	10	4
Mar 2016	253	34	9	13	7	4
<b>Winter 2016</b>	<b>1108</b>	<b>136</b>	<b>82</b>	<b>102</b>	<b>52</b>	<b>23</b>
Apr 2016	234	40	12	19	11	5
May 2016	258	69	34	51	23	7
Jun 2016	327	39	23	35	22	8
Jul 2016	414	41	35	43	23	9
Aug 2016	432	41	38	44	23	9

\* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## September 2014 24-Month Study

Most Probable Inflow\*

### Flood Control Criteria

#### Beginning of Month Conditions



Date	Flaming Gorge	Blue Mesa	Navajo	Lake Powell	Upper Basin Total	Lake Mead	Total	Flaming Gorge	Blue Mesa	Navajo	Tot or Max Allow	Lake Powell	Lake Mead	Total	BOM Space Required	Mead Sched Rel	Mead FC Rel	Sys Cont	
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF	
<b>**** PREDICTED SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>											
Sep 2014	466	201	608	12008	13282	17237	30519	466	201	608	1274	12008	17237	30519	2270	752	0	29.9	
Oct 2014	525	227	636	12127	13515	17360	30875	525	227	636	1388	12127	17360	30875	3040	524	0	29.6	
Nov 2014	556	244	638	12224	13662	17302	30964	556	244	638	1438	12224	17302	30964	3810	602	0	29.4	
Dec 2014	582	237	635	12415	13868	17309	31177	582	237	635	1454	12415	17309	31177	4580	552	0	29.3	
Jan 2015	664	262	637	12776	14338	17029	31367	664	262	637	1562	12776	17029	31367	5350	626	0	29.1	
<b>**** EFFECTIVE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>											
Jan 2015	664	262	637	12776	14338	17029	31367	295	262	339	896	12776	17029	30701	5350	626	0	29.1	
Feb 2015	742	295	644	13112	14792	16829	31621	372	295	345	1013	13112	16829	30954	1500	699	0	28.8	
Mar 2015	806	326	645	13292	15069	16836	31905	436	326	346	1107	13292	16836	31235	1500	1046	0	28.4	
Apr 2015	805	337	614	13397	15153	17186	32339	429	337	309	1075	13397	17186	31658	1500	1111	0	28.3	
May 2015	764	304	562	13235	14865	17644	32509	382	304	235	921	13235	17644	31800	1500	1005	0	29.4	
Jun 2015	670	228	457	12089	13444	17992	31436	278	217	95	590	12089	17992	30671	1500	921	0	30.8	
Jul 2015	522	41	444	10827	11835	18159	29994	116	9	30	155	10827	18159	29141	1500	899	0	30.7	
<b>**** CREDITABLE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>											
Aug 2015	424	27	471	11099	12021	18094	30116	424	27	471	922	11099	18094	30116	1500	830	0	30.2	
Sep 2015	456	82	492	11641	12671	17869	30540	456	82	492	1030	11641	17869	30540	2270	745	0	29.8	
Oct 2015	511	145	495	11982	13133	17798	30931	511	145	495	1151	11982	17798	30931	3040	500	0	29.5	
Nov 2015	559	165	486	12088	13299	17714	31013	559	165	486	1211	12088	17714	31013	3810	634	0	29.3	
Dec 2015	605	185	485	12206	13482	17747	31228	605	185	485	1275	12206	17747	31228	4580	564	0	29.2	
Jan 2016	665	248	487	12524	13925	17476	31400	665	248	487	1401	12524	17476	31400	5350	610	0	29.1	
<b>**** EFFECTIVE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>											
Jan 2016	665	248	487	12524	13925	17476	31400	374	248	213	835	12524	17476	30835	5350	610	0	29.1	
Feb 2016	720	295	491	12843	14350	17262	31612	427	295	217	939	12843	17262	31044	1500	676	0	28.9	
Mar 2016	766	322	486	13032	14605	17247	31852	470	322	210	1002	13032	17247	31281	1500	1042	0	28.6	
Apr 2016	761	317	432	13099	14610	17593	32202	462	317	150	929	13099	17593	31621	1500	1119	0	28.5	
May 2016	742	285	357	12846	14230	18058	32288	437	285	52	774	12846	18058	31678	1500	1007	0	29.7	
Jun 2016	696	195	380	11440	12711	18407	31119	382	189	39	610	11440	18407	30458	1500	922	0	31.2	
Jul 2016	433	32	438	10139	11042	18575	29617	99	4	44	147	10139	18575	28862	1500	897	0	31.3	
<b>**** CREDITABLE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>											
Aug 2016	350	27	451	10186	11014	18508	29522	350	27	451	828	10186	18508	29522	1500	811	0	30.9	

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