

**October 24-Month Study**  
**Date: October 10, 2014**

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

**Current Reservoir Status**

Reservoir	September Inflow (unregulated) (acre-feet)	Percent of Average (%)	October 7 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	69,000	150	6503.06	322,000
Flaming Gorge	103,000	187	6028.39	3,287,000
Blue Mesa	48,000	126	7491.53	593,000
Navajo	41,000	95	6038.04	1,092,000
Powell	511,000	125	3606.10	12,342,000

**Expected Operations**

The operation of Lake Powell and Lake Mead in this October 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) and the draft 2015 AOP. Pursuant to the Interim Guidelines, the August 2014 24-Month Study projections of the January 1, 2015, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2015.

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell operational tier for water year 2015 is 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 October 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 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 years 2014 and 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>.

The draft 2015 AOP is available for download at

[http://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP15\\_draft.pdf](http://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP15_draft.pdf).

***Fontenelle Reservoir*** – Inflows to Fontenelle Reservoir for the month of September were 69,000 acre-feet (AF), or 150 percent of average. The reservoir elevation is 6503.0 feet, 93 percent of live capacity. Inflows are averaging 1,500 cubic feet per second (cfs). Fontenelle releases are currently at 1,550 cfs and will be decreased to base flow releases of approximately 1,300 cfs by the end of October.

Inflows for the next three months are projected to be above average: with October, November and December forecasted inflow volumes at 85,000 AF (175% of average), 60,000 AF (143% of average), and 40,000 AF (125% 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 September was 103,000 acre-feet (AF), or 187 percent of average. The reservoir elevation is 6,028.4 feet. Observed inflows are averaging 1,900 cubic feet per second (cfs).

Flaming Gorge releases are decreasing to 1,300 cfs average daily release with hourly fluctuations for hydropower through November. Releases will be increased to an average daily release of approximately 2,000 cfs with fluctuations for hydropower during December through February.

Inflows for the next three months are projected to be above average: with October, November and December forecasted inflow volumes at 105,000 AF (178% of average), 72,000 AF (141% of average), and 48,000 AF (138% 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** – September unregulated inflow into Blue Mesa Reservoir was 48,000 acre-feet or 126 percent of average. Precipitation during September was observed to be about 160 percent of average, a welcome relief. The current inflow rate into Blue Mesa Reservoir is about 900 cfs and reservoir releases are averaging about 1300 cfs. Blue Mesa's present elevation is 7491.71 feet, which corresponds to a storage content of about 595,000 acre-feet. The unregulated reservoir inflow into Blue Mesa Reservoir during water year 2014 was 1.145 million acre-feet, or about 120 percent of average.

Releases from Crystal have recently increased to help with the trout survey in the Gunnison River. After the fish survey, Crystal releases will be reduced from 1,550 down to 1350 cfs. Current diversions into the Gunnison Tunnel are approximately 950 cfs. Flows in the Gunnison River below the tunnel are about 650 cfs and will be returning to 450 cfs by October 10<sup>th</sup>.

Pursuant to the Aspinall Unit Operations Record of Decision (ROD), the baseflow target in the lower Gunnison River, as measured at the Whitewater gage, is 1050 cfs for September through December. Flows in the lower Gunnison River are currently above the baseflow target of 1050 cfs. River flows have remained relatively high due to the September rains and flows are expected to stay above the October baseflow target for the foreseeable future.

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 350 cfs from Navajo Reservoir since September 24th, 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 6037.0 ft of pool elevation and 1,080,632 acre-ft of storage by the end of September, which was 78% of average for the end of the month. Observed inflow into Navajo was 46,919 af, (modified-unregulated inflow volume of 22,978 af) which was 88% of average for September. Calculated evaporation for the month was 2,296 acre-

ft. Navajo's releases varied between 650 cfs at the beginning of the month to a reduction to 350 cfs by the end of the month. Over the month, the released averaged out at 513 cfs. Navajo Reservoir recorded 1.22 inches of liquid precipitation (84% of average). NIIP diverted a total of 21,847 and has diverted a total of 198,757 af since the beginning of the year.

As of October 5th, the release at Navajo (as measured at the USGS at Archuleta gage) was 323 cfs, and the observed inflow is 1074 cfs. NIIP is diverting 144 cfs. The reservoir elevation is 6037.88 ft and the content is 1,090,073 acre-ft, or 64% full (41% of Active). The San Juan River at Four Corners USGS gage is at 1,100 cfs, and the Animas River at Farmington USGS gage is at 1,080 cfs.

The most probable modified-unregulated inflow forecast for October at Navajo is 35,000 acre-ft (74% of average), for November is 25,000 acre-ft (75% of average), and for December is 20,000 acre-ft (80% of average). The reservoir is forecast to reach a minimum overwinter storage level of 6033.98 ft (1,049,232 af) in mid-February.

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 September was 511 thousand acre-feet (kaf) (125% of average). The release volume from Glen Canyon Dam in September was 604 kaf. The end of September elevation and storage of Lake Powell were 3,605.5 feet (94 feet from full pool) and 12.29 million acre-feet (maf) (51% of full capacity), respectively. The reservoir elevation is now declining and is expected to continue to decline until spring 2015.

The water year 2014 unregulated inflow volume to Lake Powell was 10.381 maf (96% of average), which was significantly higher than inflows observed in 2012 and 2013 (45% and 47% of average, respectively). The end of water year 2014 elevation and storage of Lake Powell were 3,605.5 feet (94 feet from full pool) and 12.29 million acre-feet (maf) (51% of full capacity), respectively. This is 1.4 maf more than the 2013 end of water year storage which was 10.93 maf (45% of capacity), and 14.2 feet higher than the end of 2013 elevation, which was 3591.3 feet.

Releases for water year 2014 totaled 7.480 maf. Pursuant to the Interim Guidelines, Lake Powell operated under the Mid-Elevation Release Tier in 2014. Throughout water year 2014, Reclamation adjusted operations of Glen Canyon Dam to release the appropriate annual volume during 2014 to achieve Mid-Elevation Release Tier objectives as practicably as possible by September 30, 2014.

## **Current Operations**

The operating tier for water year 2015 was established in August 2014 as 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. Reclamation will schedule operations at Glen Canyon Dam to achieve as practicably as possible the appropriate total annual release volume by September 30, 2014.

In October, the release volume will be approximately 600 kaf, with fluctuations between about 7,000 cfs in the nighttime to about 13,000 cfs in the daytime and consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997).

The anticipated release volume for November is 600 kaf with fluctuations for power generation throughout the day consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997). However, the release volume may be adjusted in the event of a High Flow Experiment. Under the High-Flow Protocol, high flow releases are linked to sediment input and other resource conditions below Glen Canyon Dam. Preliminary analysis appears favorable for a high flow experimental release to occur during the week of November 9<sup>th</sup>, 2014. During the High Flow Experiment, total releases from Glen Canyon Dam at full bypass may reach approximately 37,500 cfs for up to 96 hours. The total experiment, including ramping, could last up to about five and a half days. In the event of a high flow experiment, releases from Glen Canyon Dam prior to and after the high flow experiment are anticipated to fluctuate between about 7,000cfs and 9,000cfs. Further data collection, modeling, and analysis prior to the end of October may modify the expected duration and/or magnitude of the HFE. A final determination on the timing, magnitude and duration of a potential fall 2014 HFE will likely be made near the end of October.

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 2015 unregulated inflow to Lake Powell, issued on October 1, 2014, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume will be 10.63 maf (98% of average based on the period 1981-2010). At this early point in the season, there is significant uncertainty regarding next year's water supply. The forecast ranges from a minimum probable of 7.4 maf (68% of average) to a maximum probable of 18.6 maf (172% of average). There is 10% chance that inflows could be higher than the maximum probable and a 10% chance they could be lower than the minimum probable.

As determined in the August 2014 24-Month study, 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.

Based on the current forecast, the October [24-Month study](#) projects Lake Powell elevation will end water year 2015 near 3,614 feet with approximately 13.12 maf in storage (54% capacity). Note that projections of elevation and storage have significant uncertainty at this early point in the season, primarily due to uncertainty regarding next season's snowpack and the resulting inflow to Lake Powell. Under the minimum probable inflow scenario, which was updated in October, the projected end of water year elevation and storage are 3589 feet and 10.71 maf (44% capacity), respectively. Under the maximum probable inflow scenario, which was updated in October, the projected end of water year elevation and storage are 3649 feet and 17.09 maf (70% capacity), respectively. The annual release volume from Lake Powell during water year 2015 is projected to be 9.0 maf under the minimum and most probable inflow scenarios and 12.1 maf under the maximum probable inflow scenario. There is a 10% chance that inflows will be higher, potentially resulting in higher releases; and 10% chance that inflows will be lower, potentially resulting in lower releases. If inflows are less than the current forecasted minimum probable inflow, the water year 2015 annual release could be as low as 8.23 maf. If inflows are greater than the current forecasted maximum probable inflow, the annual release could be greater than 12.1 maf.

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

The Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 15-year period 2000 to 2014, 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 15 years. The period 2000-2014 is the lowest 15-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.20 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 2000-2014 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 2015 unregulated inflows to Lake Powell is projected to be 10.63 maf (98% of average).

At the beginning of water year 2015, total system storage in the Colorado River Basin was 30.0 maf (50% of 59.6 maf total system capacity). This is nearly the same as the total storage at the beginning of water year 2014 which began at 29.9 maf (50% 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 2015 total Colorado Basin reservoir storage is approximately 30.6 maf (51% of capacity). The actual end of water year storage may vary from this projection, primarily due to uncertainty regarding next season's snowpack and resulting runoff. Based on October minimum and maximum probable inflow forecasts and modeling the range is approximately 27.4 maf (46%) to 38.1 maf (64%), respectively.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION  
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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		sep	Forecast			
:		jun	jul	aug	sep	%Avg	oct	nov	dec
GLDA3: Lake Powell		3039	838	517	511	125%:	750/	500/	380/
GBRW4: Fontenelle		427	220	98	69	150%:	85/	60/	40/
GRNU1: Flaming Gorge		472	226	126	103	187%:	105/	72/	48/
BMDC2: Blue Mesa		361	117	64	48	126%:	45/	35/	28/
MPSC2: Morrow Point		379	120	64	49	121%:	46/	37/	30/
CLSC2: Crystal		414	130	69	53	113%:	52/	41/	35/
TPIC2: Taylor Park		49	18.6	11.5	9.4	127%:	8/	5.5/	5/
VCRC2: Vallecito		47	15.4	13.8	23	132%:	15/	8/	6/
NVRN5: Navajo		116	14.0	14.2	41	95%:	35/	25/	20/
LEMC2: Lemon		9.7	3.3	3.9	6.3	155%:	3/	1.5/	1/
MPHC2: McPhee		44	9.5	7.7	14.2	125%:	11/	7/	4.4/
RBSC2: Ridgway		42	17.9	11.5	12.1	124%:	9/	6.5/	5/

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 2014 24-Month Study

Most Probable Inflow\*

### Fontenelle Reservoir



	<b>Regulated Inflow</b>	<b>Evap Losses</b>	<b>Power Release</b>	<b>Bypass Release</b>	<b>Total Release</b>	<b>Reservoir Elev End of Month</b>	<b>Live Storage</b>
<b>Date</b>	<b>(1000 Ac-Ft)</b>	<b>(1000 Ac-Ft)</b>	<b>(1000 Ac-Ft)</b>	<b>(1000 Ac-Ft)</b>	<b>(1000 Ac-Ft)</b>	<b>(Ft)</b>	<b>(1000 Ac-Ft)</b>
* Oct 2013	53	1	19	24	43	6492.11	241
H Nov 2013	41	1	51	4	55	6489.91	226
I Dec 2013	30	1	61	0	61	6485.02	195
S Jan 2014	29	1	61	0	61	6479.35	163
T Feb 2014	29	0	55	0	55	6474.06	136
O Mar 2014	56	0	71	0	71	6470.70	121
R Apr 2014	101	1	83	1	84	6474.33	138
I May 2014	272	1	96	126	222	6483.58	186
C Jun 2014	427	2	104	254	364	6492.90	247
A Jul 2014	220	3	90	1	117	6506.25	347
L Aug 2014	98	2	100	1	108	6504.71	335
* Sep 2014	69	2	21	66	87	6502.07	314
<b>WY 2014</b>	<b>1424</b>	<b>15</b>	<b>811</b>	<b>478</b>	<b>1328</b>		
Oct 2014	85	1	95	0	95	6500.60	303
Nov 2014	60	1	77	0	77	6498.18	285
Dec 2014	40	1	80	0	80	6492.48	245
Jan 2015	38	1	80	0	80	6486.00	202
Feb 2015	35	1	72	0	72	6479.56	164
Mar 2015	55	0	98	10	108	6468.11	111
Apr 2015	87	1	90	14	104	6463.55	94
May 2015	175	1	96	11	108	6478.70	160
Jun 2015	325	2	101	119	220	6495.04	263
Jul 2015	195	3	104	19	123	6504.29	332
Aug 2015	73	2	92	0	92	6501.53	311
Sep 2015	42	2	37	31	68	6497.89	283
<b>WY 2015</b>	<b>1210</b>	<b>15</b>	<b>1022</b>	<b>204</b>	<b>1227</b>		
Oct 2015	46	1	70	0	70	6494.41	258
Nov 2015	41	1	68	0	68	6490.43	231
Dec 2015	32	1	70	0	70	6484.44	192
Jan 2016	30	1	70	0	70	6477.21	152
Feb 2016	28	0	63	0	63	6469.39	117
Mar 2016	53	0	70	0	70	6464.99	99
Apr 2016	85	1	77	0	77	6467.01	107
May 2016	164	1	97	6	104	6479.81	166
Jun 2016	299	2	101	106	207	6494.12	256
Jul 2016	178	3	96	0	96	6504.62	335
Aug 2016	77	2	92	0	92	6502.32	317
Sep 2016	46	2	73	0	73	6498.46	287
<b>WY 2016</b>	<b>1078</b>	<b>14</b>	<b>947</b>	<b>112</b>	<b>1059</b>		

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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)
*	Oct 2013	68	58	6	51	0	51	113	6015.35	2819	108
H	Nov 2013	41	55	3	48	0	48	114	6015.47	2823	92
I	Dec 2013	32	62	2	49	0	49	114	6015.79	2834	66
S	Jan 2014	33	65	2	49	0	49	115	6016.19	2847	77
T	Feb 2014	46	71	2	45	0	45	116	6016.89	2871	88
O	Mar 2014	86	100	3	49	1	50	117	6018.21	2917	123
R	Apr 2014	128	111	5	50	0	50	120	6019.75	2971	306
I	May 2014	333	283	8	53	0	53	128	6025.67	3185	594
C	Jun 2014	472	409	10	208	85	293	132	6028.39	3287	775
A	Jul 2014	226	123	13	105	0	105	132	6028.51	3292	208
L	Aug 2014	126	136	13	122	0	122	132	6028.53	3293	190
*	Sep 2014	99	118	11	116	0	116	132	6028.31	3284	170
<b>WY 2014</b>		<b>1689</b>	<b>1594</b>	<b>77</b>	<b>945</b>	<b>86</b>	<b>1032</b>				<b>2799</b>
	Oct 2014	105	115	7	92	0	92	133	6028.72	3300	92
	Nov 2014	72	89	3	84	0	84	133	6028.77	3302	84
	Dec 2014	48	88	2	123	0	123	131	6027.84	3267	123
	Jan 2015	48	90	2	123	0	123	130	6026.96	3233	123
	Feb 2015	50	87	2	111	0	111	129	6026.29	3208	111
	Mar 2015	110	163	3	154	0	154	129	6026.44	3214	154
	Apr 2015	145	162	5	149	0	149	130	6026.66	3222	149
	May 2015	270	203	8	182	0	182	130	6026.98	3234	182
	Jun 2015	390	285	10	228	0	228	132	6028.17	3279	228
	Jul 2015	220	148	14	94	0	94	133	6029.19	3318	94
	Aug 2015	82	101	13	94	0	94	133	6029.06	3313	94
	Sep 2015	50	76	11	91	0	91	132	6028.40	3288	91
<b>WY 2015</b>		<b>1590</b>	<b>1607</b>	<b>80</b>	<b>1524</b>	<b>0</b>	<b>1524</b>				<b>1524</b>
	Oct 2015	55	79	7	94	0	94	131	6027.85	3267	94
	Nov 2015	50	76	3	91	0	91	131	6027.39	3249	91
	Dec 2015	35	73	2	94	0	94	130	6026.80	3227	94
	Jan 2016	40	80	2	94	0	94	129	6026.40	3212	94
	Feb 2016	45	80	2	88	0	88	129	6026.14	3203	88
	Mar 2016	102	120	3	94	0	94	130	6026.73	3225	94
	Apr 2016	134	125	5	109	0	109	130	6027.03	3236	109
	May 2016	245	185	8	190	0	190	130	6026.70	3223	190
	Jun 2016	390	297	10	107	0	107	137	6031.22	3396	107
	Jul 2016	210	129	14	111	0	111	137	6031.33	3401	111
	Aug 2016	89	104	13	111	0	111	136	6030.85	3382	111
	Sep 2016	55	83	11	107	0	107	135	6029.96	3347	107
<b>WY 2016</b>		<b>1449</b>	<b>1431</b>	<b>80</b>	<b>1288</b>	<b>0</b>	<b>1288</b>				<b>1288</b>

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 2014 24-Month Study

Most Probable Inflow\*

### Taylor Park Reservoir



	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Oct 2013	7	6	9310.82	71
H Nov 2013	5	5	9310.99	71
I Dec 2013	5	5	9310.93	71
S Jan 2014	5	5	9310.93	71
T Feb 2014	4	4	9311.08	72
O Mar 2014	5	5	9310.72	71
R Apr 2014	12	13	9310.23	70
I May 2014	31	27	9312.59	74
C Jun 2014	49	28	9324.29	95
A Jul 2014	19	25	9320.83	88
L Aug 2014	12	19	9316.50	81
* Sep 2014	9	13	9314.21	77
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<b>WY 2014</b>	<b>161</b>	<b>154</b>		
<hr/>				
Oct 2014	8	10	9313.01	75
Nov 2014	6	6	9312.71	74
Dec 2014	5	6	9312.10	73
Jan 2015	5	6	9311.18	72
Feb 2015	4	6	9309.93	70
Mar 2015	4	6	9308.66	68
Apr 2015	7	6	9309.30	69
May 2015	27	16	9315.97	80
Jun 2015	42	22	9326.79	100
Jul 2015	15	22	9323.15	93
Aug 2015	9	20	9317.12	82
Sep 2015	7	16	9311.80	73
<hr/>				
<b>WY 2015</b>	<b>138</b>	<b>142</b>		
<hr/>				
Oct 2015	6	8	9310.84	71
Nov 2015	5	6	9310.22	70
Dec 2015	5	6	9309.39	69
Jan 2016	4	6	9308.34	67
Feb 2016	4	6	9306.90	65
Mar 2016	4	6	9305.87	64
Apr 2016	9	6	9307.69	66
May 2016	28	14	9316.41	81
Jun 2016	42	22	9327.04	100
Jul 2016	20	22	9326.09	98
Aug 2016	10	20	9320.97	89
Sep 2016	7	16	9316.14	80
<hr/>				
<b>WY 2016</b>	<b>145</b>	<b>138</b>		

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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)
*	Oct 2013	48	47	0	46	0	46	7456.34	349
H	Nov 2013	33	33	0	14	0	14	7459.38	367
I	Dec 2013	25	25	0	11	0	11	7461.56	381
S	Jan 2014	22	22	0	14	0	14	7462.81	389
T	Feb 2014	23	22	0	13	0	13	7464.31	398
O	Mar 2014	32	33	0	23	0	23	7465.76	408
R	Apr 2014	129	130	1	28	0	28	7480.43	509
I	May 2014	242	240	1	69	3	72	7501.73	676
C	Jun 2014	361	338	1	185	142	353	7499.76	659
A	Jul 2014	117	123	1	118	0	118	7500.15	663
L	Aug 2014	64	72	1	104	0	104	7496.00	629
*	Sep 2014	48	52	1	81	0	81	7492.28	599
<b>WY 2014</b>		<b>1145</b>	<b>1138</b>	<b>8</b>	<b>708</b>	<b>145</b>	<b>879</b>		
	Oct 2014	45	47	1	54	0	54	7491.32	592
	Nov 2014	35	36	0	25	0	25	7492.63	602
	Dec 2014	28	29	0	55	0	55	7489.28	576
	Jan 2015	26	28	0	68	0	68	7483.94	535
	Feb 2015	23	25	0	63	0	63	7478.75	497
	Mar 2015	35	37	0	47	0	47	7477.30	486
	Apr 2015	70	69	1	39	0	39	7481.34	516
	May 2015	210	199	1	105	0	105	7493.49	609
	Jun 2015	260	240	1	52	0	52	7515.61	795
	Jul 2015	95	102	2	93	0	93	7516.40	802
	Aug 2015	52	63	1	117	0	117	7510.17	747
	Sep 2015	38	47	1	110	0	110	7502.65	683
<b>WY 2015</b>		<b>917</b>	<b>921</b>	<b>9</b>	<b>828</b>	<b>0</b>	<b>828</b>		
	Oct 2015	38	40	1	60	0	60	7500.15	663
	Nov 2015	31	32	0	50	0	50	7497.93	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	803
	Aug 2016	63	73	1	120	0	120	7510.99	754
	Sep 2016	38	47	1	110	0	110	7503.47	690
<b>WY 2016</b>		<b>955</b>	<b>948</b>	<b>9</b>	<b>932</b>	<b>0</b>	<b>932</b>		

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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)
*	Oct 2013	50	46	2	48	47	1	50	7152.26	111
H	Nov 2013	34	14	1	15	0	0	15	7152.65	111
I	Dec 2013	26	11	1	12	0	0	16	7147.65	107
S	Jan 2014	24	14	2	16	0	0	16	7148.51	108
T	Feb 2014	24	13	2	14	12	0	14	7148.21	108
O	Mar 2014	33	23	1	24	25	0	25	7146.76	107
R	Apr 2014	143	28	13	41	42	0	42	7146.13	106
I	May 2014	268	72	26	98	93	0	93	7152.55	111
C	Jun 2014	379	353	18	372	295	63	382	7138.91	101
A	Jul 2014	120	118	3	122	82	8	110	7153.91	112
L	Aug 2014	64	104	1	105	104	0	104	7154.40	113
*	Sep 2014	49	81	1	82	82	0	82	7153.75	112
<b>WY 2014</b>		<b>1215</b>	<b>879</b>	<b>70</b>	<b>949</b>	<b>782</b>	<b>73</b>	<b>949</b>		
	Oct 2014	46	54	1	55	55	0	55	7153.73	112
	Nov 2014	37	25	2	27	27	0	27	7153.73	112
	Dec 2014	30	55	2	57	57	0	57	7153.73	112
	Jan 2015	27	68	1	69	69	0	69	7153.73	112
	Feb 2015	24	63	1	64	64	0	64	7153.73	112
	Mar 2015	37	47	2	49	49	0	49	7153.73	112
	Apr 2015	80	39	10	49	49	0	49	7153.73	112
	May 2015	233	105	23	128	128	0	128	7153.73	112
	Jun 2015	280	52	20	72	72	0	72	7153.73	112
	Jul 2015	99	93	4	97	97	0	97	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>987</b>	<b>828</b>	<b>70</b>	<b>898</b>	<b>898</b>	<b>0</b>	<b>898</b>		
	Oct 2015	40	60	2	62	62	0	62	7153.73	112
	Nov 2015	33	50	2	52	52	0	52	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
	Sep 2016	41	110	3	113	113	0	113	7153.73	112
<b>WY 2016</b>		<b>1040</b>	<b>932</b>	<b>84</b>	<b>1017</b>	<b>1017</b>	<b>0</b>	<b>1017</b>		

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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)
*	Oct 2013	55	50	5	54	56	0	56	6741.56	14	36	22
H	Nov 2013	40	15	6	21	15	4	19	6748.85	16	0	19
I	Dec 2013	30	16	4	20	20	0	20	6749.68	16	0	20
S	Jan 2014	27	16	3	19	6	14	20	6746.01	15	1	20
T	Feb 2014	29	14	5	19	3	17	20	6743.52	14	1	20
O	Mar 2014	39	25	6	31	30	0	31	6744.65	15	1	30
R	Apr 2014	154	42	11	53	53	0	53	6743.26	14	28	26
I	May 2014	297	93	29	122	88	22	118	6758.88	19	52	69
C	Jun 2014	414	382	35	417	108	126	419	6751.56	17	61	378
A	Jul 2014	130	110	10	120	119	2	120	6749.06	16	67	59
L	Aug 2014	69	104	4	109	108	0	108	6749.65	16	65	48
*	Sep 2014	53	82	4	86	84	3	87	6747.57	15	62	26
<b>WY 2014</b>		<b>1337</b>	<b>949</b>	<b>123</b>	<b>1071</b>	<b>690</b>	<b>187</b>	<b>1071</b>			<b>374</b>	<b>738</b>
	Oct 2014	52	55	6	61	59	0	59	6753.04	17	30	29
	Nov 2014	41	27	4	31	31	0	31	6753.04	17	0	31
	Dec 2014	35	57	5	62	62	0	62	6753.04	17	0	62
	Jan 2015	32	69	5	74	74	0	74	6753.04	17	0	74
	Feb 2015	27	64	3	67	67	0	67	6753.04	17	0	67
	Mar 2015	43	49	6	55	55	0	55	6753.04	17	5	50
	Apr 2015	91	49	11	60	60	0	60	6753.04	17	30	30
	May 2015	265	128	32	160	134	26	160	6753.04	17	55	105
	Jun 2015	310	72	30	102	102	0	102	6753.04	17	60	42
	Jul 2015	110	97	11	108	108	0	108	6753.04	17	65	43
	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>1113</b>	<b>898</b>	<b>126</b>	<b>1024</b>	<b>997</b>	<b>26</b>	<b>1023</b>			<b>365</b>	<b>658</b>
	Oct 2015	46	62	6	68	68	0	68	6753.04	17	30	38
	Nov 2015	38	52	5	57	57	0	57	6753.04	17	0	57
	Dec 2015	32	92	5	97	97	0	97	6753.04	17	0	97
	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
	Sep 2016	47	113	6	119	119	0	119	6753.04	17	55	64
<b>WY 2016</b>		<b>1179</b>	<b>1017</b>	<b>140</b>	<b>1156</b>	<b>1114</b>	<b>42</b>	<b>1156</b>			<b>365</b>	<b>791</b>

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 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)
*	Oct 2013	18	2	7646.84	80
H	Nov 2013	10	2	7650.16	87
I	Dec 2013	7	2	7652.32	93
S	Jan 2014	6	2	7653.61	96
T	Feb 2014	5	2	7654.41	98
O	Mar 2014	7	11	7653.05	94
R	Apr 2014	28	16	7657.59	106
I	May 2014	59	43	7663.60	122
C	Jun 2014	47	50	7662.12	118
A	Jul 2014	15	38	7653.12	95
L	Aug 2014	14	32	7645.08	75
*	Sep 2014	22	28	7642.43	70
<b>WY 2014</b>		<b>238</b>	<b>229</b>		
	Oct 2014	15	15	7642.34	69
	Nov 2014	8	1	7645.21	76
	Dec 2014	6	2	7647.11	80
	Jan 2015	5	2	7648.55	84
	Feb 2015	4	1	7649.61	86
	Mar 2015	7	2	7651.78	91
	Apr 2015	20	1	7658.99	109
	May 2015	65	50	7664.54	124
	Jun 2015	65	65	7664.25	123
	Jul 2015	27	42	7658.52	108
	Aug 2015	18	38	7650.41	88
	Sep 2015	15	30	7644.00	73
<b>WY 2015</b>		<b>255</b>	<b>248</b>		
	Oct 2015	14	17	7642.54	70
	Nov 2015	8	1	7645.56	77
	Dec 2015	6	2	7647.60	81
	Jan 2016	5	2	7649.20	85
	Feb 2016	5	1	7650.53	88
	Mar 2016	9	2	7653.34	95
	Apr 2016	23	1	7661.72	117
	May 2016	71	63	7664.51	124
	Jun 2016	70	70	7664.40	124
	Jul 2016	29	41	7659.49	111
	Aug 2016	20	38	7652.24	92
	Sep 2016	17	29	7647.49	81
<b>WY 2016</b>		<b>279</b>	<b>267</b>		

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 2014 24-Month Study

Most Probable Inflow\*  
Navajo Reservoir



	Mod Unreg Inflow	Azetea Tunnel Div	Reg Inflow	Evap Losses	NIIP Diversion	Total Release	Reservoir Elev End of Month	Live Storage	Farmington Flow
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
* Oct 2013	57	3	38	1	4	15	6024.13	951	45
H Nov 2013	35	1	26	1	0	16	6025.11	960	43
I Dec 2013	26	0	21	0	0	16	6025.59	965	39
S Jan 2014	19	0	16	0	0	17	6025.41	963	36
T Feb 2014	23	0	21	1	0	18	6025.70	966	35
O Mar 2014	52	2	53	1	4	18	6028.76	996	41
R Apr 2014	123	14	98	2	21	18	6034.32	1053	64
I May 2014	176	20	141	3	31	17	6042.68	1142	115
C Jun 2014	116	19	98	4	39	20	6045.77	1177	148
A Jul 2014	14	2	35	4	44	29	6042.03	1135	64
L Aug 2014	14	1	32	3	37	39	6037.72	1088	61
* Sep 2014	39	1	47	2	22	31	6036.99	1081	64
<b>WY 2014</b>	<b>696</b>	<b>62</b>	<b>626</b>	<b>23</b>	<b>203</b>	<b>253</b>			<b>756</b>
Oct 2014	35	1	34	1	32	21	6035.04	1060	21
Nov 2014	25	0	18	1	1	21	6034.64	1056	21
Dec 2014	20	0	16	1	1	22	6033.94	1049	22
Jan 2015	17	0	14	1	0	22	6033.10	1040	22
Feb 2015	22	0	19	1	0	19	6033.02	1039	19
Mar 2015	65	1	58	1	5	22	6035.95	1070	22
Apr 2015	130	13	99	2	19	21	6041.27	1127	21
May 2015	260	37	208	3	33	49	6052.07	1250	49
Jun 2015	190	32	158	4	48	77	6054.51	1280	77
Jul 2015	45	7	53	4	52	22	6052.39	1254	22
Aug 2015	33	1	52	3	44	26	6050.55	1232	26
Sep 2015	32	1	46	3	24	22	6050.30	1229	22
<b>WY 2015</b>	<b>874</b>	<b>93</b>	<b>774</b>	<b>25</b>	<b>259</b>	<b>342</b>			<b>342</b>
Oct 2015	39	1	40	2	9	22	6051.01	1237	22
Nov 2015	31	1	23	1	0	21	6051.11	1239	21
Dec 2015	25	0	20	1	0	22	6050.94	1237	22
Jan 2016	22	0	18	1	0	22	6050.58	1232	22
Feb 2016	30	0	27	1	0	20	6051.07	1238	20
Mar 2016	92	2	83	2	5	22	6055.64	1293	22
Apr 2016	170	15	133	2	20	29	6062.20	1376	29
May 2016	277	41	228	4	33	216	6060.26	1351	216
Jun 2016	224	33	190	4	49	193	6055.75	1295	193
Jul 2016	66	7	71	4	52	22	6055.18	1288	22
Aug 2016	45	1	61	3	44	22	6054.50	1279	22
Sep 2016	43	1	53	3	24	21	6055.00	1285	21
<b>WY 2016</b>	<b>1064</b>	<b>103</b>	<b>950</b>	<b>26</b>	<b>237</b>	<b>630</b>			<b>630</b>

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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)
*	Oct 2013	549	475	30	481	0	481	3590.88	4926	10900	483
H	Nov 2013	476	435	29	553	143	696	3587.90	4904	10631	695
I	Dec 2013	295	291	23	601	0	601	3584.43	4880	10324	595
S	Jan 2014	270	271	7	800	0	800	3578.69	4840	9828	811
T	Feb 2014	330	321	7	599	0	599	3575.55	4819	9563	604
O	Mar 2014	509	444	12	504	0	504	3574.76	4813	9497	510
R	Apr 2014	964	774	19	502	0	502	3577.56	4832	9732	512
I	May 2014	2082	1632	24	493	0	493	3589.38	4915	10764	498
C	Jun 2014	3039	2676	42	598	0	598	3609.19	5066	12649	609
A	Jul 2014	838	730	53	800	0	800	3608.05	5056	12535	814
L	Aug 2014	517	615	53	801	0	801	3605.82	5039	12314	818
*	Sep 2014	511	622	48	604	0	604	3605.53	5037	12286	621
<b>WY 2014</b>		<b>10381</b>	<b>9287</b>	<b>347</b>	<b>7337</b>	<b>143</b>	<b>7480</b>				<b>7570</b>
	Oct 2014	750	763	34	600	0	600	3606.74	5046	12405	609
	Nov 2014	500	499	33	600	0	600	3605.49	5036	12282	610
	Dec 2014	380	484	26	800	0	800	3602.24	5011	11965	808
	Jan 2015	340	462	8	800	0	800	3598.89	4985	11645	811
	Feb 2015	380	479	8	650	0	650	3597.13	4972	11478	657
	Mar 2015	640	658	14	650	0	650	3597.08	4972	11473	656
	Apr 2015	1040	935	23	600	0	600	3600.13	4995	11763	609
	May 2015	2400	2065	28	650	0	650	3613.12	5097	13047	658
	Jun 2015	2650	2247	48	800	0	800	3625.39	5201	14343	808
	Jul 2015	800	708	59	1000	0	1000	3622.39	5175	14018	1017
	Aug 2015	400	515	57	1050	0	1050	3617.21	5131	13469	1069
	Sep 2015	350	478	52	800	0	800	3613.86	5104	13123	813
<b>WY 2015</b>		<b>10630</b>	<b>10293</b>	<b>389</b>	<b>9000</b>	<b>0</b>	<b>9000</b>				<b>9124</b>
	Oct 2015	464	517	35	600	0	600	3612.79	5095	13013	609
	Nov 2015	450	502	34	600	0	600	3611.59	5085	12891	610
	Dec 2015	363	482	27	800	0	800	3608.42	5059	12572	808
	Jan 2016	361	463	8	800	0	800	3605.19	5034	12252	811
	Feb 2016	393	455	9	650	0	650	3603.26	5019	12064	657
	Mar 2016	665	589	15	650	0	650	3602.54	5013	11994	656
	Apr 2016	1056	889	23	600	0	600	3605.06	5033	12239	609
	May 2016	2343	2196	29	650	0	650	3618.87	5145	13644	658
	Jun 2016	2666	2250	50	800	0	800	3630.78	5249	14941	808
	Jul 2016	1091	1002	62	1000	0	1000	3630.29	5245	14886	1017
	Aug 2016	500	601	61	1050	0	1050	3626.04	5207	14414	1069
	Sep 2016	408	534	55	800	0	800	3623.31	5183	14117	813
<b>WY 2016</b>		<b>10760</b>	<b>10481</b>	<b>408</b>	<b>9000</b>	<b>0</b>	<b>9000</b>				<b>9124</b>

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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)
*	Oct 2013	733	-13	15	768	0	768	12.5	637.86	1560
H	Nov 2013	513	4	11	531	0	531	8.9	636.95	1537
I	Dec 2013	558	-10	9	470	0	470	7.6	639.57	1606
S	Jan 2014	605	-7	10	552	0	552	9.0	640.94	1643
T	Feb 2014	717	-22	10	658	0	658	11.9	641.96	1670
O	Mar 2014	1090	-12	13	1074	0	1074	17.5	641.61	1661
R	Apr 2014	1134	-21	17	1054	0	1054	17.7	643.13	1702
I	May 2014	1086	-17	22	1023	0	1022	16.6	644.01	1726
C	Jun 2014	959	-19	25	947	0	947	15.9	642.83	1694
A	Jul 2014	943	-10	25	900	0	900	14.6	643.10	1701
L	Aug 2014	735	-6	23	697	0	697	11.3	643.43	1711
*	Sep 2014	686	-6	18	727	0	727	12.2	641.03	1645
<b>WY 2014</b>		<b>9759</b>	<b>-139</b>	<b>198</b>	<b>9400</b>	<b>0</b>	<b>9400</b>			
	Oct 2014	513	-2	15	655	0	655	10.7	635.00	1486
	Nov 2014	627	-13	10	578	0	578	9.7	636.00	1512
	Dec 2014	569	-17	9	472	0	472	7.7	638.71	1583
	Jan 2015	722	-14	10	615	0	615	10.0	641.80	1666
	Feb 2015	594	-10	10	574	0	574	10.3	641.80	1666
	Mar 2015	1018	-15	13	956	0	956	15.5	643.05	1700
	Apr 2015	1131	-17	17	1098	0	1098	18.5	643.00	1699
	May 2015	1020	-13	22	985	0	985	16.0	643.00	1699
	Jun 2015	937	-14	25	925	0	925	15.5	642.00	1671
	Jul 2015	911	-10	25	889	0	889	14.5	641.50	1658
	Aug 2015	825	-11	23	791	0	791	12.9	641.50	1658
	Sep 2015	749	-4	18	767	0	767	12.9	640.01	1617
<b>WY 2015</b>		<b>9615</b>	<b>-141</b>	<b>197</b>	<b>9304</b>	<b>0</b>	<b>9304</b>			
	Oct 2015	495	-2	15	662	0	662	10.8	633.00	1434
	Nov 2015	638	-13	10	564	0	564	9.5	635.00	1486
	Dec 2015	566	-17	9	442	0	442	7.2	638.71	1583
	Jan 2016	611	-14	10	504	0	504	8.2	641.80	1666
	Feb 2016	677	-10	10	657	0	657	11.4	641.80	1666
	Mar 2016	1042	-15	13	980	0	980	15.9	643.05	1700
	Apr 2016	1119	-17	17	1087	0	1087	18.3	643.00	1699
	May 2016	1008	-13	22	973	0	973	15.8	643.00	1699
	Jun 2016	922	-14	25	910	0	910	15.3	642.00	1671
	Jul 2016	898	-10	25	876	0	876	14.2	641.50	1658
	Aug 2016	812	-11	23	779	0	779	12.7	641.50	1658
	Sep 2016	728	-4	18	746	0	746	12.5	640.01	1617
<b>WY 2016</b>		<b>9518</b>	<b>-141</b>	<b>197</b>	<b>9180</b>	<b>0</b>	<b>9180</b>			

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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)
*	Oct 2013	768	19	12	467	7.6	99	186	447.91	578	70	1.1
H	Nov 2013	531	25	9	314	5.3	77	144	448.37	587	89	1.5
I	Dec 2013	470	7	7	285	4.6	100	138	445.37	531	99	1.6
S	Jan 2014	552	13	6	353	5.7	101	84	446.23	547	131	2.1
T	Feb 2014	658	19	8	450	8.1	48	130	448.13	582	162	2.9
O	Mar 2014	1074	-3	9	809	13.1	90	176	447.05	562	260	4.2
R	Apr 2014	1054	24	11	756	12.7	105	178	448.11	582	241	4.0
I	May 2014	1022	-4	13	694	11.3	110	184	448.48	589	115	1.9
C	Jun 2014	947	10	15	713	12.0	95	133	447.90	578	112	4.5
A	Jul 2014	900	17	17	685	11.1	105	93	448.27	585	118	1.9
L	Aug 2014	697	25	17	495	8.1	106	99	448.10	582	100	1.6
*	Sep 2014	727	15	15	474	8.0	102	140	448.17	583	90	1.5
<b>WY 2014</b>		<b>9400</b>	<b>167</b>	<b>140</b>	<b>6496</b>		<b>1137</b>	<b>1685</b>			<b>1587</b>	
	Oct 2014	655	25	12	438	7.1	105	131	447.50	571	55	0.9
	Nov 2014	578	31	9	363	6.1	100	132	447.50	571	86	1.4
	Dec 2014	472	23	7	263	4.3	103	137	446.50	552	97	1.6
	Jan 2015	615	16	6	357	5.8	92	171	446.50	552	130	2.1
	Feb 2015	574	11	8	438	7.9	40	91	446.50	552	161	2.9
	Mar 2015	956	17	9	732	11.9	75	144	446.70	555	205	3.3
	Apr 2015	1098	21	11	806	13.6	89	166	448.70	593	205	3.4
	May 2015	985	21	13	717	11.7	92	172	448.70	593	113	1.8
	Jun 2015	925	17	16	700	11.8	89	123	448.70	593	111	1.9
	Jul 2015	889	29	17	723	11.8	92	85	448.00	580	119	1.9
	Aug 2015	791	27	17	622	10.1	92	84	447.50	571	100	1.6
	Sep 2015	767	25	15	556	9.3	89	122	447.50	570	89	1.5
<b>WY 2015</b>		<b>9304</b>	<b>263</b>	<b>139</b>	<b>6716</b>		<b>1059</b>	<b>1559</b>			<b>1473</b>	
	Oct 2015	662	25	12	457	7.4	81	129	447.50	571	55	0.9
	Nov 2015	564	31	9	376	6.3	78	126	447.50	571	103	1.7
	Dec 2015	442	23	7	279	4.5	81	113	446.50	552	108	1.7
	Jan 2016	504	16	6	348	5.7	70	92	446.50	552	125	2.0
	Feb 2016	657	11	8	437	7.6	64	152	446.50	552	156	2.7
	Mar 2016	980	17	9	732	11.9	70	174	446.70	555	201	3.3
	Apr 2016	1087	21	11	816	13.7	67	167	448.70	593	212	3.6
	May 2016	973	21	13	726	11.8	70	173	448.70	593	111	1.8
	Jun 2016	910	17	16	709	11.9	67	122	448.70	593	109	1.8
	Jul 2016	876	29	17	730	11.9	70	87	448.00	580	111	1.8
	Aug 2016	779	27	17	630	10.2	70	86	447.50	571	105	1.7
	Sep 2016	746	25	15	560	9.4	67	120	447.50	570	102	1.7
<b>WY 2016</b>		<b>9180</b>	<b>263</b>	<b>139</b>	<b>6802</b>		<b>855</b>	<b>1542</b>			<b>1498</b>	

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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
*	Oct 2013	733	11.9	1104.04	12099	-263	460.18	1332.0	300.5	77	410.1
H	Nov 2013	513	8.6	1106.36	12310	212	465.65	1179.0	209.8	68	408.7
I	Dec 2013	558	9.1	1106.73	12344	34	463.77	1188.0	230.3	68	412.8
S	Jan 2014	605	9.8	1108.75	12531	186	465.47	746.0	250.9	43	414.5
T	Feb 2014	717	12.9	1107.94	12456	-75	461.16	1415.0	298.2	81	415.9
O	Mar 2014	1090	17.7	1101.71	11888	-567	457.72	1234.0	451.5	71	414.3
R	Apr 2014	1134	19.1	1094.55	11254	-635	447.66	1146.0	459.8	68	405.6
I	May 2014	1086	17.7	1087.46	10639	-615	440.39	1341.0	431.0	81	397.1
C	Jun 2014	959	16.1	1082.66	10233	-406	437.98	1541.0	372.9	93	388.7
A	Jul 2014	943	15.3	1080.60	10061	-172	434.94	1615.0	363.6	100	385.7
L	Aug 2014	735	12.0	1081.55	10140	79	436.53	1493.0	279.3	94	379.9
*	Sep 2014	686	11.5	1081.33	10121	-18	437.59	1493.0	262.1	94	382.2
<b>WY 2014</b>		<b>9759</b>							<b>3910.2</b>		
	Oct 2014	513	8.3	1082.13	10188	67	433.47	1282.0	199.7	81	389.6
	Nov 2014	627	10.5	1081.75	10157	-32	436.75	1073.0	243.7	68	388.8
	Dec 2014	569	9.3	1084.87	10419	262	436.99	1072.0	220.9	67	388.2
	Jan 2015	722	11.7	1086.14	10527	108	436.94	1133.0	284.7	71	394.3
	Feb 2015	594	10.7	1087.23	10620	93	439.10	835.0	236.0	52	397.5
	Mar 2015	1018	16.6	1083.39	10294	-326	435.27	1123.0	404.6	71	397.4
	Apr 2015	1131	19.0	1077.63	9815	-479	429.64	1168.0	450.2	75	398.2
	May 2015	1020	16.6	1073.21	9456	-359	423.90	1249.0	390.7	82	383.1
	Jun 2015	937	15.7	1070.92	9273	-183	418.99	1513.0	354.5	100	378.4
	Jul 2015	911	14.8	1071.60	9327	54	418.68	1518.0	342.0	100	375.3
	Aug 2015	825	13.4	1074.45	9556	229	420.59	1534.0	314.2	100	381.0
	Sep 2015	749	12.6	1075.31	9626	70	422.91	1539.0	285.0	100	380.5
<b>WY 2015</b>		<b>9615</b>							<b>3726.3</b>		
	Oct 2015	495	8.1	1076.40	9715	89	428.11	1238.0	190.2	80	384.1
	Nov 2015	638	10.7	1075.96	9679	-36	431.20	1169.0	244.8	76	383.5
	Dec 2015	566	9.2	1079.23	9947	268	430.16	1267.0	214.9	81	380.0
	Jan 2016	611	9.9	1081.80	10161	213	430.78	1286.0	234.9	82	384.4
	Feb 2016	677	11.8	1081.96	10174	14	430.48	1383.0	261.1	88	385.6
	Mar 2016	1042	17.0	1077.78	9828	-347	429.86	1103.8	410.7	71	393.9
	Apr 2016	1119	18.8	1072.03	9361	-466	424.08	1146.6	439.2	75	392.4
	May 2016	1008	16.4	1067.62	9011	-350	418.35	1225.8	380.3	82	377.3
	Jun 2016	922	15.5	1065.46	8843	-169	413.52	1484.5	343.6	100	372.5
	Jul 2016	898	14.6	1066.31	8909	66	413.36	1489.3	331.9	100	369.6
	Aug 2016	812	13.2	1069.40	9152	243	415.47	1506.7	305.1	100	375.7
	Sep 2016	728	12.2	1070.50	9239	88	418.02	1512.9	273.0	100	374.9
<b>WY 2016</b>		<b>9518</b>							<b>3629.8</b>		

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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
*	Oct 2013	768	12.5	637.86	1560	-63	136.18	196.4	94.7	77	123.3
H	Nov 2013	531	8.9	636.95	1537	-24	137.13	158.1	61.5	62	115.9
I	Dec 2013	470	7.6	639.57	1606	69	136.36	173.4	59.4	68	126.5
S	Jan 2014	552	9.0	640.94	1643	37	139.11	163.2	68.9	64	124.9
T	Feb 2014	658	11.9	641.96	1670	28	138.63	173.4	84.5	68	128.3
O	Mar 2014	1074	17.5	641.61	1661	-10	138.63	252.5	134.6	99	125.3
R	Apr 2014	1054	17.7	643.13	1702	42	141.55	255.0	132.2	100	125.4
I	May 2014	1023	16.6	644.01	1726	24	143.52	255.0	127.7	100	124.9
C	Jun 2014	947	15.9	642.83	1694	-32	141.57	255.0	119.3	100	126.0
A	Jul 2014	900	14.6	643.10	1701	7	143.48	244.8	112.8	96	125.4
L	Aug 2014	697	11.3	643.43	1711	9	143.79	252.5	88.3	99	126.7
*	Sep 2014	727	12.2	641.03	1645	-65	138.41	255.0	91.5	100	126.0
<b>WY 2014</b>		<b>9400</b>							<b>1175.6</b>		
	Oct 2014	655	10.7	635.00	1486	-160	132.68	191.3	80.1	75	122.3
	Nov 2014	578	9.7	636.00	1512	26	132.05	135.2	69.5	53	120.3
	Dec 2014	472	7.7	638.71	1583	71	133.69	142.8	57.9	56	122.8
	Jan 2015	615	10.0	641.80	1666	83	135.97	163.2	76.6	64	124.5
	Feb 2015	574	10.3	641.80	1666	0	136.77	186.2	72.2	73	125.8
	Mar 2015	956	15.5	643.05	1700	34	135.44	255.0	119.1	100	124.6
	Apr 2015	1098	18.5	643.00	1699	-2	136.07	255.0	136.4	100	124.3
	May 2015	985	16.0	643.00	1699	0	136.04	255.0	123.1	100	125.0
	Jun 2015	925	15.5	642.00	1671	-27	135.51	255.0	115.3	100	124.7
	Jul 2015	889	14.5	641.50	1658	-14	134.73	255.0	110.5	100	124.3
	Aug 2015	791	12.9	641.50	1658	0	134.46	255.0	98.6	100	124.6
	Sep 2015	767	12.9	640.01	1617	-40	133.68	255.0	95.0	100	123.9
<b>WY 2015</b>		<b>9304</b>							<b>1154.3</b>		
	Oct 2015	662	10.8	633.00	1434	-183	129.77	234.6	79.9	92	120.9
	Nov 2015	564	9.5	635.00	1486	51	127.90	209.1	67.2	82	119.1
	Dec 2015	442	7.2	638.71	1583	97	130.45	224.4	54.2	88	122.5
	Jan 2016	504	8.2	641.80	1666	83	135.97	163.2	63.1	64	125.2
	Feb 2016	657	11.4	641.80	1666	0	137.17	173.4	82.4	68	125.4
	Mar 2016	980	15.9	643.05	1700	34	135.44	255.0	122.0	100	124.5
	Apr 2016	1087	18.3	643.00	1699	-2	136.07	255.0	135.1	100	124.3
	May 2016	973	15.8	643.00	1699	0	136.04	255.0	121.7	100	125.0
	Jun 2016	910	15.3	642.00	1671	-27	135.51	255.0	113.6	100	124.7
	Jul 2016	876	14.2	641.50	1658	-14	134.73	255.0	108.9	100	124.4
	Aug 2016	779	12.7	641.50	1658	0	134.46	255.0	97.1	100	124.7
	Sep 2016	746	12.5	640.01	1617	-40	133.68	255.0	92.6	100	124.1
<b>WY 2016</b>		<b>9180</b>							<b>1137.7</b>		

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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
*	Oct 2013	467	7.6	447.91	578	18	83.28	96.0	31.7	80	67.9
H	Nov 2013	314	5.3	448.37	587	9	82.63	92.4	22.1	77	70.5
I	Dec 2013	285	4.6	445.37	531	-56	80.69	91.2	19.0	76	66.8
S	Jan 2014	353	5.7	446.23	547	16	80.02	90.0	24.2	75	68.4
T	Feb 2014	450	8.1	448.13	582	35	82.38	92.4	31.2	77	69.4
O	Mar 2014	809	13.1	447.05	562	-20	77.18	106.8	55.4	89	68.5
R	Apr 2014	756	12.7	448.11	582	20	80.82	120.0	52.3	100	69.1
I	May 2014	694	11.3	448.48	589	7	80.45	106.8	49.2	89	70.8
C	Jun 2014	713	12.0	447.90	578	-11	81.61	120.0	49.8	100	69.8
A	Jul 2014	685	11.1	448.27	585	7	82.46	120.0	47.9	100	70.0
L	Aug 2014	495	8.1	448.10	582	-3	81.82	120.0	35.2	100	71.2
*	Sep 2014	474	8.0	448.17	583	1	82.36	91.2	33.7	76	70.9
<b>WY 2014</b>		<b>6495</b>							<b>451.6</b>		
	Oct 2014	438	7.1	447.50	571	-13	76.62	90.0	28.9	75	66.0
	Nov 2014	363	6.1	447.50	571	0	75.98	96.0	23.6	80	64.9
	Dec 2014	263	4.3	446.50	552	-19	74.40	120.0	16.3	100	62.2
	Jan 2015	357	5.8	446.50	552	0	75.13	93.6	22.9	78	64.2
	Feb 2015	438	7.9	446.50	552	0	75.13	93.6	28.6	78	65.2
	Mar 2015	732	11.9	446.70	555	4	74.53	108.0	47.9	90	65.5
	Apr 2015	806	13.6	448.70	593	38	75.08	120.0	53.2	100	66.0
	May 2015	717	11.7	448.70	593	0	76.05	120.0	47.7	100	66.5
	Jun 2015	700	11.8	448.70	593	0	76.05	120.0	46.6	100	66.5
	Jul 2015	723	11.8	448.00	580	-13	75.71	120.0	48.0	100	66.3
	Aug 2015	622	10.1	447.50	571	-9	75.13	120.0	40.8	100	65.5
	Sep 2015	556	9.3	447.50	570	0	74.89	120.0	36.3	100	65.2
<b>WY 2015</b>		<b>6716</b>							<b>440.7</b>		
	Oct 2015	457	7.4	447.50	571	0	76.04	94.8	30.0	79	65.6
	Nov 2015	376	6.3	447.50	571	0	75.69	102.0	24.4	85	64.8
	Dec 2015	279	4.5	446.50	552	-19	74.40	120.0	17.4	100	62.5
	Jan 2016	348	5.7	446.50	552	0	75.01	96.0	22.2	80	64.0
	Feb 2016	437	7.6	446.50	552	0	75.13	93.6	28.5	78	65.1
	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
	Sep 2016	560	9.4	447.50	570	0	74.89	120.0	36.5	100	65.2
<b>WY 2016</b>		<b>6802</b>							<b>445.8</b>		

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 2014 24-Month Study

Most Probable Inflow\*

### Upper Basin Power



	Glen Canyon	Flaming Gorge	Blue Mesa	Morrow Point	Crystal Reservoir	Fontenelle Reservoir
Date	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR
* Oct 2013	202	19	12	16	10	1
H Nov 2013	231	18	3	0	1	4
I Dec 2013	253	19	3	0	1	5
S Jan 2014	337	19	3	0	0	4
T Feb 2014	247	17	3	4	0	4
O 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>
R Apr 2014	206	19	7	13	9	5
I May 2014	204	20	19	32	17	6
C Jun 2014	260	80	54	103	21	7
A Jul 2014	354	41	35	29	22	8
L Aug 2014	353	48	31	37	21	9
* Sep 2014	266	46	23	29	16	2
<b>Summer 2014</b>	<b>1643</b>	<b>255</b>	<b>169</b>	<b>243</b>	<b>106</b>	<b>37</b>
Oct 2014	241	34	16	20	10	9
Nov 2014	240	31	7	10	5	7
Dec 2014	319	45	16	21	11	7
Jan 2015	316	45	20	25	13	7
Feb 2015	256	41	18	23	12	6
Mar 2015	255	56	13	18	10	7
<b>Winter 2015</b>	<b>1627</b>	<b>251</b>	<b>91</b>	<b>116</b>	<b>60</b>	<b>42</b>
Apr 2015	236	54	11	18	10	6
May 2015	259	67	31	46	23	6
Jun 2015	328	84	16	26	18	8
Jul 2015	414	34	29	35	19	10
Aug 2015	431	34	37	43	22	9
Sep 2015	327	33	34	40	20	3
<b>Summer 2015</b>	<b>1995</b>	<b>306</b>	<b>158</b>	<b>208</b>	<b>112</b>	<b>42</b>
Oct 2015	243	34	18	22	12	6
Nov 2015	242	33	15	19	10	6
Dec 2015	322	34	27	33	17	6
Jan 2016	319	34	21	27	14	5
Feb 2016	258	32	15	19	10	4
Mar 2016	257	34	9	13	7	4
<b>Winter 2016</b>	<b>1642</b>	<b>202</b>	<b>105</b>	<b>134</b>	<b>69</b>	<b>32</b>
Apr 2016	238	40	12	19	11	5
May 2016	262	69	34	51	23	7
Jun 2016	332	39	23	35	22	8
Jul 2016	419	41	35	43	23	9
Aug 2016	438	41	38	44	23	9
Sep 2016	332	39	34	41	21	7
<b>Summer 2016</b>	<b>1690</b>	<b>230</b>	<b>143</b>	<b>192</b>	<b>103</b>	<b>37</b>

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## October 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>										
Oct 2014	495	230	615	12036	13377	17256	30633	495	230	615	1341	12036	17256	30633	3040	513	0	30.1
Nov 2014	491	238	636	11917	13281	17189	30470	491	238	636	1364	11917	17189	30470	3810	627	0	30.0
Dec 2014	507	228	640	12040	13415	17220	30635	507	228	640	1374	12040	17220	30635	4580	569	0	29.9
Jan 2015	583	254	647	12357	13840	16958	30799	583	254	647	1484	12357	16958	30799	5350	722	0	29.6
<b>**** EFFECTIVE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>										
Jan 2015	583	254	647	12357	13840	16958	30799	192	252	378	822	12357	16958	30137	5350	722	0	29.6
Feb 2015	659	294	656	12677	14286	16850	31137	267	294	386	947	12677	16850	30475	1500	594	0	29.4
Mar 2015	721	333	657	12844	14555	16757	31312	328	333	386	1047	12844	16757	30648	1500	1018	0	29.1
Apr 2015	769	343	626	12849	14587	17083	31670	372	343	350	1065	12849	17083	30996	1500	1131	0	29.0
May 2015	778	314	569	12559	14221	17562	31782	376	314	272	961	12559	17562	31082	1500	1020	0	30.3
Jun 2015	700	221	446	11275	12641	17921	30563	288	210	112	610	11275	17921	29806	1500	937	0	31.7
Jul 2015	553	34	416	9979	10982	18104	29086	126	2	31	159	9979	18104	28242	1500	911	0	31.5
<b>**** CREDITABLE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>										
Aug 2015	444	27	442	10304	11217	18050	29267	444	27	442	913	10304	18050	29267	1500	825	0	31.1
Sep 2015	471	82	464	10853	11869	17821	29690	471	82	464	1017	10853	17821	29690	2270	749	0	30.6
Oct 2015	523	146	467	11199	12335	17751	30086	523	146	467	1136	11199	17751	30086	3040	495	0	30.4
Nov 2015	569	167	459	11309	12503	17662	30165	569	167	459	1195	11309	17662	30165	3810	638	0	30.2
Dec 2015	614	185	457	11431	12687	17698	30385	614	185	457	1256	11431	17698	30385	4580	566	0	30.1
Jan 2016	674	248	459	11750	13132	17430	30562	674	248	459	1382	11750	17430	30562	5350	611	0	30.0
<b>**** EFFECTIVE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>										
Jan 2016	674	248	459	11750	13132	17430	30562	374	248	229	851	11750	17430	30030	5350	611	0	30.0
Feb 2016	729	295	464	12070	13558	17216	30774	427	295	232	955	12070	17216	30241	1500	677	0	29.7
Mar 2016	775	322	458	12258	13813	17203	31015	470	322	225	1018	12258	17203	30478	1500	1042	0	29.4
Apr 2016	770	317	403	12328	13818	17549	31368	462	317	163	942	12328	17549	30820	1500	1119	0	29.4
May 2016	751	285	320	12083	13439	18016	31455	437	285	59	781	12083	18016	30879	1500	1008	0	30.5
Jun 2016	705	195	345	10678	11923	18366	30289	382	189	47	618	10678	18366	29662	1500	922	0	32.0
Jul 2016	442	32	401	9381	10256	18534	28790	99	4	50	154	9381	18534	28069	1500	898	0	32.1
<b>**** CREDITABLE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>										
Aug 2016	359	27	408	9436	10231	18468	28699	359	27	408	794	9436	18468	28699	1500	812	0	31.7
Sep 2016	395	75	417	9908	10795	18225	29021	395	75	417	887	9908	18225	29021	2270	728	0	31.4

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