

**February 24-Month Study**  
**Date: February 14, 2014**

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

**Current Reservoir Status**

Reservoir	January Inflow (unregulated) (acre-feet)	Percent of Average (%)	February 12 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	29,000	96	6476.95	150,000
Flaming Gorge	33,000	82	6016.31	2,851,000
Blue Mesa	22,000	92	7463.38	392,000
Navajo	19,000	88	6025.31	962,000
Powell	270,000	75	3577.37	9,716,000

**Expected Operations**

The operation of Lake Powell and Lake Mead in this February 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 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 January were 29,000 acre-feet (AF), or 96 percent of average. The reservoir elevation is 6476.73 feet, 44 percent of live capacity. Inflows are averaging 460 cubic feet per second (cfs). Fontenelle releases are currently at 990 cfs and are expected to remain at that level for the remainder of the winter.

Inflows for the next three months are projected to be below average: with February, March and April forecasted inflow volumes at 25,000 AF (90% of average), 42,000 AF (80% of average), and 72,000 AF (84% of average), respectively. The February final forecast of the April-July inflow volume is 655,000 AF (90% of average).

The next Fontenelle Working Group meeting is scheduled for April 23, 2014, at 10:00 am at the Seedskadee National Wildlife Refuge. 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 January was 33,000 acre-feet (AF), or 82 percent of average. The reservoir elevation is 6016 feet. Observed inflows are averaging 1,100 cubic feet per second (cfs).

Flaming Gorge releases are currently 800 cfs steady minimum releases and are anticipated to remain at this level through winter until spring runoff begins sometime in May or June 2014. The reservoir elevation is projected to reach 6016 feet or remain close to that level through the winter before increasing to a peak elevation next year of approximately 6023 feet.

Inflows for the next three months are projected to be below average: with February, March and April forecasted inflow volumes at 36,000 AF (81% of average), 84,000 AF (82% of average), and 115,000 AF (86% of average), respectively. The February final forecast of the April-July unregulated inflow volume into Flaming Gorge Reservoir is 815,000 AF (83% of average).

The next Flaming Gorge Working Group meeting is scheduled for April 24, 2014, 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 Ed Vidmar at 801-379-1182.

**Aspinall Unit Reservoirs** – January unregulated inflow into Blue Mesa Reservoir was 22,000 acre-feet or 92 percent of average. On February 11<sup>th</sup> the basin snowpack was averaging 118 percent, which has increased about 14 percent from a month ago. Precipitation during January was about 110 percent of average, while December's

precipitation was recorded at 90 percent of average. The current inflow rate into Blue Mesa Reservoir is about 450 cfs while reservoir releases are averaging about 250 cfs. This past fall and early winter months has seen about average reservoir inflows. Blue Mesa Reservoir current elevation is 7463.32 feet, which corresponds to a storage content of about 392,000 acre-feet. This elevation is about 10.0 feet higher than the elevation was from a year ago.

The Colorado Basin River Forecast Center's February water supply forecast for Blue Mesa for the April to July runoff season is 755,000 acre-feet (112% of average) which is 95,000 acre-feet higher from last month's forecast. Based on this forecast, Blue Mesa Reservoir is projected to fill this runoff season.

Releases from Crystal Dam have been kept at just about minimum flow of 320 cfs since the end of irrigation season because of drought conditions. Reservoir releases will most likely remain at these levels for a while longer, but may increase if the favorable hydrologic conditions persist.

The last meeting of the "Aspinall Unit Working Group" was held on January 23, 2014 in Montrose, Colorado. At this meeting, review of last summer and fall reservoir operations, and plans for this winter and next spring 2014 operations were discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. For more information about these meetings please contact Erik Knight in the Grand Junction Area Office at (970) 248-0629.

**Navajo Reservoir** – Reclamation released 250 cfs from Navajo Reservoir from September 24th, 2013 through January 24<sup>th</sup> 2014. Releases are currently at 300 cfs. 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 6025.41 ft of pool elevation and 963,211 acre-ft of storage by the end of January, which was 74% of average for the end of the month. Modified unregulated inflow was 19,275 acre-ft, which was 88% of average for January. Calculated evaporation for the month was 483 acre-ft. An average release of 250 cfs was maintained from the auxiliary outlet works throughout most of January, and increased to 350 at the end of the month. Navajo Reservoir recorded 0.00 inches of liquid precipitation (0% of average).

As of February 4th, the release at Navajo is 300 cfs, and the observed inflow is 249 cfs. The reservoir elevation is 6025.36 ft and the content is 962,725 acre-ft, or 57% full (29% of Active). The San Juan River at Four Corners USGS gage is at 631 cfs and the Animas River at Farmington USGS gage is at 245 cfs. SNOTEL sites above Navajo are showing 10.4 inches of snow water equivalent (SWE), which is 83% of average (1987-present).

The most probable modified-unregulated inflow forecast\* for February at Navajo is 23,000 acre-ft (76% of average), for March is 74,000 acre-ft (80% of average), and for April is 150,000 acre-ft (88% of average). The April-July total inflow forecasts are as follows: min probable is 410,000 acre-ft (56% of average), most probable is 660,000 acre-ft (90% of average), and max probable is 950,000 acre-ft (129% of average). Modified unregulated inflow is defined as the predicted hydrologic inflow volume into Navajo plus the change in storage at Vallecito Reservoir and the San-Juan Chama diversion volume.

The most recent coordination meeting for the operation of the Navajo Unit was on Tuesday, January 21, 2014. The next meeting is scheduled for April 22. It will be held at the Farmington Civic Center, 200 West Arrington, in Farmington, New Mexico. These meetings are open forum discussions on the operation of Navajo Reservoir with many interested groups participating. Anyone interested in the general operation of the reservoir is encouraged to attend. Please contact Ryan Christianson in Reclamation's Durango, Colorado Office at (970) 385-6590 for information about these meetings or the daily operation of Navajo Reservoir.

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

#### **Current Status**

The unregulated inflow volume to Lake Powell in January was 270 thousand acre-feet (kaf) (75% of average). The release volume from Glen Canyon Dam in January was 800 kaf. The end of January elevation and storage of Lake Powell were 3578.7 feet (121 feet from full pool) and 9.83 million acre-feet (maf) (40% of full capacity), respectively. The reservoir elevation is now declining and will continue to decline until spring runoff. Snowpack is currently about 111% of median for this time of year.

#### **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 February, the release volume will likely be about 600 kaf, with fluctuations from about 8,000 cfs in the nighttime to about 14,000 cfs in the daytime and consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997). In March, the release volume will likely be about 505 kaf with daily fluctuations for hydropower.

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 fluctuations for power generation when called upon as a partner that shares reserve requirements within the electrical generator community (i.e. balancing area). Reserves provide system reliability in the event of an unscheduled outage. Glen Canyon Dam typically maintains 41 MW of reserves (approximately 1,200 cfs). Reserve calls can be maintained for a maximum of 2 hours after which time the generation rate should be returned to the original schedule. If reserves from Glen Canyon Dam are called upon, releases from the dam can exceed scheduled levels and can have a noticeable impact on the river downstream from Glen Canyon Dam. Calls for reserves are fairly infrequent and typically are for much less than 41 MW.

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

The forecast for the 2014 April to July water supply season for Lake Powell, issued on Feb 4<sup>th</sup> by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume will be 7.25 maf (101% of average based on the period 1981-2010). The April-July forecast increased by 440 kaf since last month. The winter snow accumulation season has tracked near average so far (currently 111% of median), however we are currently roughly two-thirds of the way through the snow accumulation season and there is still uncertainty regarding the final snowpack and resulting runoff. The April-July forecast ranges from a minimum probable of 4.75 maf (66% of average) to a maximum probable of 10.3 maf (144% of average). (For reference, the 30-year April-July average is 7.16 maf.) There is a 10 percent chance that inflows could be higher than the maximum probable and a 10 percent chance they could be lower than the minimum probable.

Based on the current forecast, the February 24-Month study projects Lake Powell elevation will peak near approximately 3,611 ft next summer and end the water year near 3,604 feet with approximately 12.16 maf in storage (50% capacity). Note that projections of elevation and storage have significant uncertainty at this point in the season, primarily due to uncertainty regarding the season's total snowpack and the resulting inflow to Lake Powell. Under the minimum probable inflow scenario, updated in January, the projected summer peak is 3,592 ft and end of water year storage is 9.7 maf (40% capacity). Under the maximum probable inflow scenario, updated in January, the projected summer peak is 3,631 ft and end of water year storage is 15.0 maf (62% capacity). There is a 10 percent chance that inflows will be higher, resulting in higher elevation and storage, and 10 percent chance that inflows will be lower, resulting in lower elevation and storage. The minimum and maximum probable model runs will be updated again in April. 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.

### **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 2000-2014 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 10.83maf.) 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 forecast, total water year 2014 inflows to Lake Powell are expected to range between a minimum probable of 7.92 maf (73% of average) and a maximum probable of 13.47 maf (124% of average) with a most probable projection of 10.42 maf (96% 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 30.1 maf (51% of capacity). The actual end of water year storage may vary significantly from this projection, primarily due to uncertainty regarding this season's snowpack and resulting runoff. Based on January minimum and maximum probable inflow forecasts and modeling the range is approximately 26.9 maf (45%) to 33.6 maf (56%), 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			jan	Forecast	Outlook				
:	oct	nov	dec	jan	%Avg	feb	mar	apr	apr-jul	%Avg
GLDA3:Lake Powell	549	460	294	270	75%:	300/	550/	1050/	7250/:	101%
GBRW4:Fontenelle	53	41	30	29	96%:	25/	42/	72/	655/:	90%
GRNU1:Flaming Gorge	68	41	32	33	82%:	36/	84/	115/	815/:	83%
BMDC2:Blue Mesa	48	33	25	22	90%:	19/	32/	80/	755/:	112%
MPSC2:Morrow Point	50	34	26	24	91%:	21/	35/	91/	825/:	111%
CLSC2:Crystal	55	40	30	27	86%:	25/	41/	103/	925/:	111%
TPIC2:Taylor Park	7.1	4.8	4.6	4.7	110%:	3.7/	3.7/	8/	112/:	113%
VCRC2:Vallecito	17.9	10.0	6.2	5.6	104%:	4.8/	8.5/	26/	205/:	106%
NVRN5:Navajo	57	35	25	19.3	88%:	20/	74/	150/	660/:	90%
LEMC2:Lemon	3.0	1.68	1.22	0.87	99%:	0.7/	1.3/	5.5/	50/:	91%
MPHC2:McPhee	11.5	6.9	4.3	3.3	73%:	3.5/	14/	69/	280/:	95%
RBSC2:Ridgway	10.1	6.3	4.7	4.1	103%:	3.5/	5.6/	10/	97/:	96%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



February 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)
* Feb 2013	23	0	48	0	48	6475.03	141
H Mar 2013	41	0	52	0	52	6472.41	129
I Apr 2013	51	1	51	0	51	6472.25	128
S May 2013	108	1	51	0	51	6483.26	185
T Jun 2013	91	2	47	0	48	6489.79	226
O Jul 2013	67	2	48	0	48	6492.28	243
R Aug 2013	32	2	43	0	43	6490.28	229
I 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>		
C Oct 2013	53	1	19	24	43	6492.11	241
A Nov 2013	41	1	51	4	55	6489.91	226
L Dec 2013	30	1	61	0	61	6485.02	195
* Jan 2014	29	1	61	0	61	6479.35	163
Feb 2014	25	0	65	0	65	6470.91	123
Mar 2014	42	0	61	0	61	6466.22	104
Apr 2014	72	1	65	0	65	6467.72	110
May 2014	140	1	80	0	80	6480.32	169
Jun 2014	285	2	102	60	162	6498.71	289
Jul 2014	158	3	102	9	111	6504.53	334
Aug 2014	65	2	74	0	74	6503.12	323
Sep 2014	42	2	36	35	71	6499.03	292
<b>WY 2014</b>	<b>982</b>	<b>15</b>	<b>777</b>	<b>132</b>	<b>909</b>		
Oct 2014	46	1	71	0	71	6495.46	266
Nov 2014	41	1	68	0	68	6491.41	237
Dec 2014	32	1	71	0	71	6485.35	198
Jan 2015	30	1	71	0	71	6478.15	157
Feb 2015	28	0	64	0	64	6470.30	120
Mar 2015	53	0	71	0	71	6465.75	102
Apr 2015	85	1	71	0	71	6469.11	115
May 2015	164	1	98	6	105	6481.17	173
Jun 2015	299	2	102	76	179	6499.06	292
Jul 2015	178	3	102	29	131	6504.80	336
Aug 2015	77	2	92	0	92	6502.50	318
Sep 2015	46	2	37	32	68	6499.31	294
<b>WY 2015</b>	<b>1078</b>	<b>15</b>	<b>917</b>	<b>144</b>	<b>1061</b>		
Oct 2015	49	1	71	0	71	6496.13	270
Nov 2015	42	1	68	0	68	6492.28	243
Dec 2015	32	1	71	0	71	6486.29	204
Jan 2016	30	1	71	0	71	6479.30	163

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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)
*	Feb 2013	30	55	2	67	0	67	119	6019.65	2967	95
H	Mar 2013	64	76	3	53	0	53	120	6020.19	2986	105
I	Apr 2013	69	69	5	50	0	50	121	6020.57	3000	149
S	May 2013	135	77	7	67	0	67	121	6020.65	3003	440
T	Jun 2013	91	48	10	135	3	138	117	6017.91	2906	366
O	Jul 2013	66	47	12	68	0	68	116	6016.99	2875	99
R	Aug 2013	22	33	11	68	0	68	114	6015.71	2831	87
I	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>
C	Oct 2013	68	58	6	51	0	51	113	6015.35	2819	108
A	Nov 2013	41	55	3	48	0	48	114	6015.47	2823	96
L	Dec 2013	32	62	2	49	0	49	114	6015.79	2834	403
*	Jan 2014	33	65	2	49	0	49	115	6016.19	2847	405
	Feb 2014	36	76	2	44	0	44	116	6017.01	2876	44
	Mar 2014	84	103	3	49	0	49	118	6018.43	2924	49
	Apr 2014	115	108	5	48	0	48	120	6019.97	2979	48
	May 2014	195	135	7	103	0	103	121	6020.64	3002	103
	Jun 2014	330	207	10	156	0	156	123	6021.77	3042	156
	Jul 2014	175	128	13	68	0	68	124	6023.02	3088	68
	Aug 2014	75	84	12	68	0	68	124	6023.13	3092	68
	Sep 2014	50	79	11	65	0	65	125	6023.22	3095	65
<b>WY 2014</b>		<b>1234</b>	<b>1161</b>	<b>75</b>	<b>798</b>	<b>0</b>	<b>798</b>				<b>1613</b>
	Oct 2014	55	80	7	68	0	68	125	6023.37	3100	68
	Nov 2014	50	77	3	65	0	65	125	6023.59	3108	65
	Dec 2014	35	74	2	68	0	68	125	6023.70	3112	68
	Jan 2015	40	81	2	68	0	68	126	6024.00	3123	68
	Feb 2015	45	81	2	61	0	61	126	6024.46	3140	61
	Mar 2015	102	120	3	71	0	71	128	6025.68	3185	71
	Apr 2015	134	119	5	68	0	68	130	6026.87	3230	68
	May 2015	245	186	8	119	0	119	132	6028.37	3287	119
	Jun 2015	390	269	10	259	0	259	132	6028.37	3286	259
	Jul 2015	210	163	14	98	0	98	134	6029.66	3336	98
	Aug 2015	89	104	13	98	0	98	134	6029.49	3329	98
	Sep 2015	55	78	11	95	0	95	133	6028.77	3302	95
<b>WY 2015</b>		<b>1449</b>	<b>1433</b>	<b>79</b>	<b>1138</b>	<b>0</b>	<b>1138</b>				<b>1138</b>
	Oct 2015	59	81	7	98	0	98	132	6028.15	3278	98
	Nov 2015	51	77	3	95	0	95	131	6027.61	3258	95
	Dec 2015	35	74	2	98	0	98	130	6026.93	3232	98
	Jan 2016	40	81	2	98	0	98	129	6026.43	3214	98

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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)
* Feb 2013	3	3	9301.01	57
H Mar 2013	3	3	9301.27	57
I Apr 2013	6	4	9302.94	59
S May 2013	21	7	9312.29	74
T Jun 2013	26	12	9320.43	88
O Jul 2013	9	15	9316.95	81
R Aug 2013	7	15	9312.37	74
I Sep 2013	8	12	9309.95	70
<b>WY 2013</b>	<b>97</b>	<b>83</b>		
C Oct 2013	7	6	9310.82	71
A Nov 2013	5	5	9310.99	71
L Dec 2013	5	5	9310.93	71
* Jan 2014	5	5	9310.93	71
Feb 2014	4	4	9310.74	71
Mar 2014	4	4	9310.56	71
Apr 2014	8	14	9306.71	65
May 2014	35	24	9313.61	76
Jun 2014	51	26	9327.29	101
Jul 2014	18	24	9324.20	95
Aug 2014	11	20	9319.36	86
Sep 2014	8	16	9314.80	78
<b>WY 2014</b>	<b>160</b>	<b>152</b>		
Oct 2014	7	12	9311.82	73
Nov 2014	5	6	9311.36	72
Dec 2014	5	6	9310.54	71
Jan 2015	4	6	9309.51	69
Feb 2015	4	6	9308.10	67
Mar 2015	4	6	9307.08	65
Apr 2015	9	6	9308.87	68
May 2015	28	18	9315.15	78
Jun 2015	42	20	9326.95	100
Jul 2015	20	22	9326.00	98
Aug 2015	10	22	9319.79	87
Sep 2015	7	16	9314.88	78
<b>WY 2015</b>	<b>146</b>	<b>146</b>		
Oct 2015	7	12	9311.67	73
Nov 2015	5	6	9311.12	72
Dec 2015	5	6	9310.30	70
Jan 2016	4	6	9309.26	69

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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)
*	Feb 2013	16	16	0	15	0	15	7452.95	329
H	Mar 2013	23	23	0		0	16	7454.12	336
I	Apr 2013	43	41	1	38	0	38	7454.46	338
S	May 2013	133	119	1	58	0	58	7464.34	399
T	Jun 2013	126	111	1	69	0	69	7470.58	440
O	Jul 2013	44	51	1	98	0	98	7463.20	391
R	Aug 2013	46	54	1	89	0	89	7457.29	355
I	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>		
C	Oct 2013	48	47	0	46	0	46	7456.34	349
A	Nov 2013	33	33	0	14	0	14	7459.38	367
L	Dec 2013	25	25	0	11	0	11	7461.56	381
*	Jan 2014	22	22	0	14	0	14	7462.81	389
	Feb 2014	19	19	0	17	0	17	7463.15	391
	Mar 2014	32	32	0	15	0	15	7465.78	408
	Apr 2014	80	86	1	44	0	44	7471.97	449
	May 2014	265	254	1	126	0	126	7489.34	576
	Jun 2014	306	281	1	53	0	53	7516.40	802
	Jul 2014	104	110	2	116	0	116	7515.55	795
	Aug 2014	59	68	1	125	0	125	7508.94	737
	Sep 2014	44	52	1	114	0	114	7501.56	674
	<b>WY 2014</b>	<b>1037</b>	<b>1030</b>	<b>8</b>	<b>696</b>	<b>0</b>	<b>696</b>		
	Oct 2014	42	47	1	70	0	70	7498.72	651
	Nov 2014	33	33	0	40	0	40	7497.89	644
	Dec 2014	26	27	0	90	0	90	7490.00	581
	Jan 2015	24	26	0	79	0	79	7483.01	528
	Feb 2015	22	25	0	49	0	49	7479.66	504
	Mar 2015	36	38	0	32	0	32	7480.37	509
	Apr 2015	77	74	1	42	0	42	7484.64	540
	May 2015	221	211	1	122	0	122	7495.91	628
	Jun 2015	261	239	1	69	0	69	7515.79	797
	Jul 2015	117	119	2	112	0	112	7516.40	803
	Aug 2015	63	75	1	122	0	122	7510.99	754
	Sep 2015	38	47	1	115	0	115	7502.87	685
	<b>WY 2015</b>	<b>961</b>	<b>961</b>	<b>9</b>	<b>941</b>	<b>0</b>	<b>941</b>		
	Oct 2015	38	44	1	71	0	71	7499.49	657
	Nov 2015	31	32	0	41	0	41	7498.36	648
	Dec 2015	26	27	0	93	0	93	7490.00	581
	Jan 2016	24	26	0	79	0	79	7483.00	528

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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)
*	Feb 2013	17	15	1	15	16	0	16	7144.30	105
H	Mar 2013	24	16	1	17	17	0	17	7144.36	105
I	Apr 2013	49	38	6	44	42	0	42	7146.71	107
S	May 2013	148	58	15	72	67	0	67	7154.02	112
T	Jun 2013	132	69	6	75	75	0	75	7154.39	113
O	Jul 2013	45	98	0	98	99	0	99	7153.53	112
R	Aug 2013	46	89	0	90	89	0	89	7154.91	113
I	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>		
C	Oct 2013	50	46	2	48	47	1	50	7152.26	111
A	Nov 2013	34	14	1	15	0	0	15	7152.65	111
L	Dec 2013	26	11	1	12	0	0	16	7147.65	107
*	Jan 2014	24	14	2	16	0	0	16	7148.51	108
	Feb 2014	21	17	2	19	15	0	15	7153.73	112
	Mar 2014	35	15	3	18	18	0	18	7153.73	112
	Apr 2014	91	44	11	55	55	0	55	7153.73	112
	May 2014	293	126	28	154	154	0	154	7153.73	112
	Jun 2014	331	53	25	78	78	0	78	7153.73	112
	Jul 2014	110	116	6	122	122	0	122	7153.73	112
	Aug 2014	63	125	4	129	129	0	129	7153.73	112
	Sep 2014	47	114	3	117	117	0	117	7153.73	112
<b>WY 2014</b>		<b>1126</b>	<b>696</b>	<b>88</b>	<b>784</b>	<b>735</b>	<b>1</b>	<b>784</b>		
	Oct 2014	45	70	3	73	73	0	73	7153.73	112
	Nov 2014	35	40	2	42	42	0	42	7153.73	112
	Dec 2014	28	90	2	92	92	0	92	7153.73	112
	Jan 2015	27	79	2	81	81	0	81	7153.73	112
	Feb 2015	25	49	3	52	52	0	52	7153.73	112
	Mar 2015	40	32	4	36	36	0	36	7153.73	112
	Apr 2015	88	42	11	53	53	0	53	7153.73	112
	May 2015	247	122	26	148	148	0	148	7153.73	112
	Jun 2015	281	69	20	89	89	0	89	7153.73	112
	Jul 2015	123	112	6	118	118	0	118	7153.73	112
	Aug 2015	67	122	3	125	125	0	125	7153.73	112
	Sep 2015	41	115	3	118	118	0	118	7153.73	112
<b>WY 2015</b>		<b>1046</b>	<b>941</b>	<b>85</b>	<b>1027</b>	<b>1027</b>	<b>0</b>	<b>1027</b>		
	Oct 2015	41	71	3	74	74	0	74	7153.73	112
	Nov 2015	33	41	2	43	43	0	43	7153.73	112
	Dec 2015	28	93	2	96	96	0	96	7153.73	112
	Jan 2016	27	79	2	81	81	0	81	7153.73	112

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 2014 24-Month Study

Most Probable Inflow\*  
Crystal Reservoir



		Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage	Tunnel Flow	Below Tunnel Flow
	Date	(1000 Ac-Ft)	(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)	(1000 Ac-Ft)
*	Feb 2013	20	16	3	19	10	9	19	6745.57	15	0	19
H	Mar 2013	29	17	5	21	22	0	22	6744.50	15	0	22
I	Apr 2013	55	42	7	49	51	0	51	6738.38	13	33	20
S	May 2013	161	67	13	80	80	0	80	6736.96	13	66	18
T	Jun 2013	144	75	11	86	84	0	84	6744.76	15	65	25
O	Jul 2013	49	99	4	103	101	1	102	6748.24	16	67	41
R	Aug 2013	50	89	3	92	92	1	93	6745.72	15	62	36
I	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>
C	Oct 2013	55	50	5	54	56	0	56	6741.56	14	36	22
A	Nov 2013	40	15	6	21	15	4	19	6748.85	16	0	20
L	Dec 2013	30	16	4	20	20	0	20	6749.68	16	0	21
*	Jan 2014	27	16	3	19	6	14	20	6746.01	15	0	20
	Feb 2014	25	15	4	19	17	0	17	6753.04	17	0	17
	Mar 2014	41	18	6	24	24	0	24	6753.04	17	5	19
	Apr 2014	103	55	12	67	67	0	67	6753.04	17	30	37
	May 2014	335	154	42	196	134	62	196	6753.04	17	55	141
	Jun 2014	365	78	34	112	112	0	112	6753.04	17	60	52
	Jul 2014	122	122	12	134	134	0	134	6753.04	17	65	69
	Aug 2014	68	129	5	134	134	0	134	6753.04	17	65	69
	Sep 2014	53	117	6	123	123	0	123	6753.04	17	55	67
<b>WY 2014</b>		<b>1265</b>	<b>784</b>	<b>139</b>	<b>923</b>	<b>842</b>	<b>79</b>	<b>921</b>			<b>371</b>	<b>554</b>
	Oct 2014	51	73	6	79	79	0	79	6753.04	17	30	49
	Nov 2014	40	42	5	47	47	0	47	6753.04	17	0	47
	Dec 2014	32	92	5	96	96	0	96	6753.04	17	0	96
	Jan 2015	31	81	5	86	86	0	86	6753.04	17	0	86
	Feb 2015	29	52	4	55	55	0	55	6753.04	17	0	55
	Mar 2015	46	36	6	42	42	0	42	6753.04	17	5	37
	Apr 2015	101	53	12	66	66	0	66	6753.04	17	30	36
	May 2015	281	148	34	182	134	48	182	6753.04	17	55	127
	Jun 2015	315	89	34	123	123	0	123	6753.04	17	60	63
	Jul 2015	138	118	14	132	132	0	132	6753.04	17	65	67
	Aug 2015	75	125	8	134	134	0	134	6753.04	17	65	69
	Sep 2015	47	118	6	124	124	0	124	6753.04	17	55	69
<b>WY 2015</b>		<b>1186</b>	<b>1027</b>	<b>140</b>	<b>1166</b>	<b>1118</b>	<b>48</b>	<b>1166</b>			<b>365</b>	<b>801</b>
	Oct 2015	47	74	6	80	80	0	80	6753.04	17	30	50
	Nov 2015	38	43	5	48	48	0	48	6753.04	17	0	48
	Dec 2015	32	96	5	100	100	0	100	6753.04	17	0	100
	Jan 2016	31	81	5	86	86	0	86	6753.04	17	0	86

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 2014 24-Month Study

Most Probable Inflow\*

### Vallecito Reservoir



	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Feb 2013	3	0	7630.60	46
H Mar 2013	4	0	7632.64	50
I Apr 2013	15	1	7639.26	63
S May 2013	49	31	7647.20	80
T Jun 2013	19	35	7639.75	64
O Jul 2013	8	32	7626.95	40
R Aug 2013	13	26	7617.79	26
I Sep 2013	45	7	7639.82	64
<b>WY 2013</b>	<b>169</b>	<b>138</b>		
C Oct 2013	18	2	7646.84	80
A Nov 2013	10	2	7650.16	87
L Dec 2013	7	2	7652.32	93
* Jan 2014	6	2	7653.61	96
Feb 2014	5	2	7654.81	99
Mar 2014	9	3	7657.01	104
Apr 2014	26	5	7665.00	125
May 2014	84	83	7665.00	125
Jun 2014	71	71	7664.96	125
Jul 2014	24	42	7658.09	107
Aug 2014	19	38	7650.37	88
Sep 2014	16	30	7644.40	74
<b>WY 2014</b>	<b>294</b>	<b>280</b>		
Oct 2014	15	17	7643.22	71
Nov 2014	9	2	7646.15	78
Dec 2014	6	2	7648.05	82
Jan 2015	5	2	7649.51	86
Feb 2015	5	2	7650.74	89
Mar 2015	9	2	7653.42	95
Apr 2015	23	3	7661.38	116
May 2015	71	61	7665.00	125
Jun 2015	70	70	7664.95	125
Jul 2015	29	42	7660.02	112
Aug 2015	20	38	7652.75	94
Sep 2015	17	30	7647.55	81
<b>WY 2015</b>	<b>280</b>	<b>269</b>		
Oct 2015	16	17	7646.79	79
Nov 2015	9	2	7649.71	86
Dec 2015	6	2	7651.54	91
Jan 2016	5	2	7652.95	94

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 2014 24-Month Study

Most Probable Inflow\*

### Navajo Reservoir



	Mod Unreg	Azetea	Reg	Evap	NIIP	Total	Reservoir Elev	Live	Farmington
	Inflow	Tunnel Div	Inflow	Losses	Diversion	Release	End of Month	Storage	Flow
Date	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)					
* Feb 2013	13	0	10	1	0	19	6022.74	938	35
H Mar 2013	31	1	26	1	6	22	6022.39	934	33
I Apr 2013	71	7	53	2	21	36	6021.77	928	40
S May 2013	154	17	118	3	36	17	6028.15	990	93
T Jun 2013	40	8	46	3	42	33	6024.88	958	50
O Jul 2013	2	1	25	3	40	51	6017.54	889	53
R Aug 2013	43	3	53	3	34	41	6014.89	865	54
I 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>
C Oct 2013	57	3	38	1	4	15	6024.13	951	45
A Nov 2013	35	1	26	1	0	16	6025.11	960	43
L Dec 2013	26	0	21	0	0	16	6025.59	965	39
* Jan 2014	19	0	16	0	0	17	6025.41	963	36
Feb 2014	20	0	17	1	0	22	6024.82	957	22
Mar 2014	74	1	67	1	0	31	6028.37	992	31
Apr 2014	150	14	115	2	0	30	6036.45	1075	30
May 2014	280	34	245	3	1	39	6054.35	1278	39
Jun 2014	192	26	165	4	1	101	6059.11	1337	101
Jul 2014	38	4	51	4	1	36	6059.89	1346	36
Aug 2014	31	1	49	4	1	51	6059.41	1340	51
Sep 2014	33	0	47	3	0	39	6059.73	1344	39
<b>WY 2014</b>	<b>956</b>	<b>84</b>	<b>857</b>	<b>25</b>	<b>8</b>	<b>413</b>			<b>513</b>
Oct 2014	40	0	41	2	0	31	6060.41	1353	31
Nov 2014	31	0	24	1	0	30	6059.87	1346	30
Dec 2014	25	0	21	1	0	31	6059.02	1335	31
Jan 2015	22	0	18	1	0	31	6057.98	1322	31
Feb 2015	30	0	27	1	0	28	6057.87	1321	28
Mar 2015	92	2	83	2	0	31	6061.87	1372	31
Apr 2015	170	14	136	3	0	30	6069.57	1475	30
May 2015	277	37	230	4	1	39	6082.40	1661	39
Jun 2015	224	32	191	5	1	101	6087.75	1745	101
Jul 2015	66	6	72	6	1	38	6089.44	1772	38
Aug 2015	45	2	61	5	1	53	6089.63	1775	53
Sep 2015	43	0	55	4	0	42	6090.21	1784	42
<b>WY 2015</b>	<b>1065</b>	<b>95</b>	<b>960</b>	<b>32</b>	<b>4</b>	<b>484</b>			<b>484</b>
Oct 2015	47	1	47	2	0	31	6091.05	1798	31
Nov 2015	34	1	26	1	0	30	6090.73	1793	30
Dec 2015	25	0	20	1	0	31	6090.05	1782	31
Jan 2016	22	0	18	1	0	31	6089.23	1769	31

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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)
*	Feb 2013	262	300	9	600	0	600	3601.47	5005	11891	595
H	Mar 2013	362	357	14	601	0	601	3598.96	4986	11651	594
I	Apr 2013	355	326	22	551	0	551	3596.53	4967	11422	549
S	May 2013	1122	925	26	602	0	602	3599.44	4989	11697	603
T	Jun 2013	939	907	42	800	0	800	3600.07	4994	11757	806
O	Jul 2013	143	298	49	848	0	848	3594.17	4950	11202	862
R	Aug 2013	273	401	47	801	0	801	3589.64	4917	10788	815
I	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>
C	Oct 2013	549	475	30	481	0	481	3590.88	4926	10900	483
A	Nov 2013	460	419	29	553	127	680	3587.90	4904	10631	695
L	Dec 2013	295	291	23	601	0	601	3584.43	4880	10324	595
*	Jan 2014	270	271	7	800	0	800	3578.69	4840	9828	808
	Feb 2014	300	302	7	600	0	600	3575.34	4817	9546	610
	Mar 2014	550	456	12	505	0	505	3574.67	4813	9490	516
	Apr 2014	1050	840	19	500	0	500	3578.21	4837	9787	512
	May 2014	2600	2163	24	513	0	513	3595.14	4957	11293	524
	Jun 2014	2800	2310	43	600	0	600	3611.05	5081	12836	611
	Jul 2014	800	708	54	800	0	800	3609.71	5070	12701	819
	Aug 2014	400	480	53	800	0	800	3606.24	5042	12355	821
	Sep 2014	350	442	48	600	0	600	3604.29	5027	12164	614
	<b>WY 2014</b>	<b>10424</b>	<b>9158</b>	<b>349</b>	<b>7353</b>	<b>127</b>	<b>7480</b>				<b>7608</b>
	Oct 2014	464	496	33	600	0	600	3602.98	5017	12037	611
	Nov 2014	450	473	32	600	0	600	3601.46	5005	11890	609
	Dec 2014	363	465	25	800	0	800	3597.96	4978	11556	812
	Jan 2015	361	452	8	800	0	800	3594.44	4952	11227	813
	Feb 2015	393	434	8	650	0	650	3592.19	4935	11020	660
	Mar 2015	665	571	14	650	0	650	3591.24	4928	10934	661
	Apr 2015	1056	829	22	600	0	600	3593.34	4944	11126	612
	May 2015	2343	1917	27	650	0	650	3605.41	5036	12274	661
	Jun 2015	2666	2254	45	800	0	800	3618.25	5140	13578	811
	Jul 2015	1091	954	57	1000	0	1000	3617.33	5132	13483	1019
	Aug 2015	500	578	56	1050	0	1050	3612.61	5093	12995	1071
	Sep 2015	408	524	50	800	0	800	3609.63	5069	12693	814
	<b>WY 2015</b>	<b>10760</b>	<b>9946</b>	<b>375</b>	<b>9000</b>	<b>0</b>	<b>9000</b>				<b>9154</b>
	Oct 2015	512	570	34	600	0	600	3609.04	5064	12634	611
	Nov 2015	473	524	33	600	0	600	3608.03	5056	12533	609
	Dec 2015	363	500	26	800	0	800	3604.97	5032	12230	812
	Jan 2016	361	483	8	800	0	800	3601.87	5008	11929	813

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 2014 24-Month Study

Most Probable Inflow\*

### Hoover Dam - Lake Mead



		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)
*	Feb 2013	600	68	32	646	11.6	8	644	898	1122.14	13810
H	Mar 2013	601	69	36	987	16.1	15	986	875	1118.59	13465
I	Apr 2013	551	37	44	1103	18.5	20	1102	840	1112.91	12921
S	May 2013	602	28	50	1007	16.4	27	1008	812	1108.36	12495
T	Jun 2013	800	1	59	948	15.9	28	947	798	1105.98	12276
O	Jul 2013	848	113	73	865	14.1	28	858	798	1105.92	12270
R	Aug 2013	801	132	78	808	13.1	27	791	799	1106.13	12289
I	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>			
C	Oct 2013	481	38	47	733	11.9	19	718	786	1104.04	12099
A	Nov 2013	680	116	47	513	8.6	12	510	800	1106.36	12310
L	Dec 2013	601	41	40	558	9.1	7	556	802	1106.73	12344
*	Jan 2014	800	44	33	605	9.8	7	604	815	1108.75	12531
	Feb 2014	600	94	31	690	12.4	8	690	812	1108.40	12498
	Mar 2014	505	77	34	1022	16.6	13	1022	783	1103.40	12041
	Apr 2014	500	80	41	1138	19.1	19	1138	745	1096.90	11461
	May 2014	513	64	46	1037	16.9	32	1037	712	1091.13	10955
	Jun 2014	600	33	55	951	16.0	29	951	688	1086.74	10577
	Jul 2014	800	55	68	924	15.0	32	924	677	1084.86	10418
	Aug 2014	800	109	72	832	13.5	28	832	676	1084.61	10397
	Sep 2014	600	81	59	682	11.5	19	682	671	1083.74	10323
	<b>WY 2014</b>	<b>7480</b>	<b>831</b>	<b>572</b>	<b>9686</b>		<b>225</b>	<b>9665</b>			
	Oct 2014	600	54	43	560	9.1	21	560	673	1084.06	10351
	Nov 2014	600	44	43	625	10.5	12	625	671	1083.66	10317
	Dec 2014	800	99	37	574	9.3	6	574	688	1086.79	10581
	Jan 2015	800	81	31	726	11.8	14	726	695	1088.00	10685
	Feb 2015	650	94	28	695	12.5	16	695	695	1088.04	10689
	Mar 2015	650	77	31	1044	17.0	20	1044	672	1083.97	10343
	Apr 2015	600	80	38	1131	19.0	13	1131	642	1078.31	9871
	May 2015	650	64	43	1019	16.6	23	1019	619	1074.04	9523
	Jun 2015	800	33	51	954	16.0	21	954	607	1071.78	9341
	Jul 2015	1000	55	64	877	14.3	27	877	612	1072.78	9422
	Aug 2015	1050	109	69	842	13.7	22	842	626	1075.41	9634
	Sep 2015	800	81	57	647	10.9	17	647	636	1077.25	9785
	<b>WY 2015</b>	<b>9000</b>	<b>870</b>	<b>536</b>	<b>9695</b>		<b>213</b>	<b>9695</b>			
	Oct 2015	600	54	42	477	7.8	16	477	643	1078.61	9896
	Nov 2015	600	44	42	620	10.4	22	620	641	1078.16	9859
	Dec 2015	800	99	36	507	8.2	17	507	661	1081.99	10177
	Jan 2016	800	81	30	639	10.4	7	639	674	1084.28	10369

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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)
*	Feb 2013	646	-12	10	609	0	609	11.0	641.78	1665
H	Mar 2013	987	-11	13	956	0	956	15.5	642.06	1673
I	Apr 2013	1103	-20	17	1017	0	1017	17.1	643.87	1723
S	May 2013	1007	-15	22	959	0	959	15.6	644.24	1733
T	Jun 2013	948	-16	26	928	0	928	15.6	643.45	1711
O	Jul 2013	865	-24	26	810	0	810	13.2	643.66	1717
R	Aug 2013	808	-16	23	749	0	749	12.2	644.35	1736
I	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>			
C	Oct 2013	733	-13	15	768	0	768	12.5	637.86	1560
A	Nov 2013	513	4	11	531	0	531	8.9	636.95	1537
L	Dec 2013	558	-10	9	470	0	470	7.6	639.57	1606
*	Jan 2014	605	-7	10	552	0	552	9.0	640.94	1643
	Feb 2014	690	-8	10	644	0	644	11.6	642.00	1671
	Mar 2014	1022	-16	13	979	0	979	15.9	642.50	1685
	Apr 2014	1138	-15	17	1093	0	1093	18.4	643.00	1699
	May 2014	1037	-14	22	1000	0	1000	16.3	643.00	1699
	Jun 2014	951	-12	25	941	0	941	15.8	642.00	1671
	Jul 2014	924	-5	25	907	0	907	14.8	641.50	1658
	Aug 2014	832	-8	23	801	0	801	13.0	641.50	1658
	Sep 2014	682	-1	18	756	0	756	12.7	638.00	1564
<b>WY 2014</b>		<b>9686</b>	<b>-106</b>	<b>197</b>	<b>9442</b>	<b>0</b>	<b>9442</b>			
	Oct 2014	560	0	15	675	0	675	11.0	633.00	1434
	Nov 2014	625	-16	10	548	0	548	9.2	635.00	1486
	Dec 2014	574	-17	9	450	0	450	7.3	638.71	1583
	Jan 2015	726	-16	10	617	0	617	10.0	641.80	1666
	Feb 2015	695	-8	10	677	0	677	12.2	641.80	1666
	Mar 2015	1044	-16	13	981	0	981	16.0	643.05	1700
	Apr 2015	1131	-15	17	1101	0	1101	18.5	643.00	1699
	May 2015	1019	-14	22	982	0	982	16.0	643.00	1699
	Jun 2015	954	-12	25	943	0	943	15.9	642.00	1671
	Jul 2015	877	-5	25	861	0	861	14.0	641.50	1658
	Aug 2015	842	-8	23	811	0	811	13.2	641.50	1658
	Sep 2015	647	-1	18	721	0	721	12.1	638.00	1564
<b>WY 2015</b>		<b>9695</b>	<b>-129</b>	<b>197</b>	<b>9368</b>	<b>0</b>	<b>9368</b>			
	Oct 2015	477	0	15	592	0	592	9.6	633.00	1434
	Nov 2015	620	-16	10	542	0	542	9.1	635.00	1486
	Dec 2015	507	-17	9	383	0	383	6.2	638.71	1583
	Jan 2016	639	-16	10	530	0	530	8.6	641.80	1666

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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)
*	Feb 2013	609	4	8	444	8.0	7	147	448.13	583	158	2.8
H	Mar 2013	956	7	9	680	11.1	98	180	447.58	572	191	3.1
I	Apr 2013	1017	13	11	765	12.9	84	148	448.35	587	185	3.1
S	May 2013	959	20	13	677	11.0	97	174	448.76	595	98	1.5
T	Jun 2013	928	15	16	688	11.6	104	129	448.45	589	98	1.7
O	Jul 2013	810	27	17	626	10.2	100	80	448.51	590	110	1.8
R	Aug 2013	749	37	17	552	9.0	99	95	449.22	604	109	1.8
I	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>	
C	Oct 2013	768	19	12	467	7.6	99	186	447.91	578	70	1.1
A	Nov 2013	531	23	9	314	5.3	77	142	448.37	587	89	1.5
L	Dec 2013	470	8	7	285	4.6	99	138	445.37	531	100	1.6
*	Jan 2014	552	13	6	353	5.7	101	84	446.23	547	132	2.1
	Feb 2014	644	10	8	430	7.7	51	144	447.00	561	161	2.9
	Mar 2014	979	17	9	720	11.7	65	184	447.50	570	205	3.3
	Apr 2014	1093	21	11	791	13.3	105	176	448.70	593	205	3.4
	May 2014	1000	20	13	704	11.5	108	183	448.70	593	113	1.8
	Jun 2014	941	15	16	693	11.6	105	129	448.70	593	111	1.9
	Jul 2014	907	25	17	718	11.7	108	90	448.00	580	119	1.9
	Aug 2014	801	24	17	609	9.9	108	89	447.50	571	100	1.6
	Sep 2014	756	23	15	538	9.0	105	126	446.81	557	89	1.5
<b>WY 2014</b>		<b>9442</b>	<b>217</b>	<b>139</b>	<b>6621</b>		<b>1130</b>	<b>1671</b>			<b>1495</b>	
	Oct 2014	675	26	12	445	7.2	108	138	446.31	548	55	0.9
	Nov 2014	548	32	8	369	6.2	105	88	446.50	552	103	1.7
	Dec 2014	450	26	6	268	4.4	108	89	446.50	552	108	1.7
	Jan 2015	617	16	6	348	5.7	98	175	446.50	552	125	2.0
	Feb 2015	677	10	8	458	8.3	88	127	446.50	552	156	2.8
	Mar 2015	981	17	9	704	11.5	98	174	446.70	555	201	3.3
	Apr 2015	1101	21	11	801	13.5	95	169	448.70	593	212	3.6
	May 2015	982	20	13	707	11.5	98	172	448.70	593	111	1.8
	Jun 2015	943	15	16	698	11.7	95	136	448.70	593	109	1.8
	Jul 2015	861	25	17	733	11.9	98	38	448.00	580	111	1.8
	Aug 2015	811	24	17	648	10.5	98	69	447.50	571	105	1.7
	Sep 2015	721	23	15	563	9.5	70	101	446.81	557	102	1.7
<b>WY 2015</b>		<b>9368</b>	<b>256</b>	<b>139</b>	<b>6745</b>		<b>1159</b>	<b>1476</b>			<b>1498</b>	
	Oct 2015	592	26	12	461	7.5	24	124	446.31	548	65	1.1
	Nov 2015	542	32	8	386	6.5	24	147	446.50	552	99	1.7
	Dec 2015	383	26	6	282	4.6	24	91	446.50	552	105	1.7
	Jan 2016	530	16	6	345	5.6	98	92	446.50	552	125	2.0

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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
* Feb 2013	646	11.6	1122.14	13810	-18	475.07	1072.0	276.4	59	427.6
H Mar 2013	987	16.1	1118.59	13465	-346	472.93	1073.0	425.6	59	431.1
I Apr 2013	1103	18.5	1112.91	12921	-544	463.52	1042.0	467.6	57	423.9
S May 2013	1007	16.4	1108.36	12495	-426	463.02	1353.0	419.9	75	417.1
T Jun 2013	948	15.9	1105.98	12276	-219	460.72	1726.0	388.1	97	409.5
O Jul 2013	865	14.1	1105.92	12270	-5	460.74	1753.0	348.3	100	402.7
R Aug 2013	808	13.1	1106.13	12289	19	461.35	1737.0	325.9	100	403.4
I 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>		
C Oct 2013	733	11.9	1104.04	12099	-263	460.18	1332.0	300.5	77	410.1
A Nov 2013	513	8.6	1106.36	12310	212	465.65	1179.0	209.8	68	408.7
L Dec 2013	558	9.1	1106.73	12344	34	463.77	1188.0	230.3	68	412.8
* Jan 2014	605	9.8	1108.75	12531	186	465.47	746.0	250.9	43	414.5
Feb 2014	690	12.4	1108.40	12498	-33	457.89	1415.0	284.4	81	412.0
Mar 2014	1022	16.6	1103.40	12041	-457	454.44	1450.0	418.3	84	409.3
Apr 2014	1138	19.1	1096.90	11461	-580	450.16	1146.0	479.0	68	420.9
May 2014	1037	16.9	1091.13	10955	-506	442.47	1341.0	415.7	81	401.0
Jun 2014	951	16.0	1086.74	10577	-378	436.42	1522.0	376.7	93	396.1
Jul 2014	924	15.0	1084.86	10418	-159	433.08	1622.0	359.4	100	388.9
Aug 2014	832	13.5	1084.61	10397	-21	432.19	1621.0	325.8	100	391.7
Sep 2014	682	11.5	1083.74	10323	-74	432.77	1615.0	262.3	100	384.5
<b>WY 2014</b>	<b>9686</b>							<b>3913.3</b>		
Oct 2014	560	9.1	1084.06	10351	28	436.61	1317.0	215.4	81	384.5
Nov 2014	625	10.5	1083.66	10317	-34	439.65	1102.0	244.4	68	391.0
Dec 2014	574	9.3	1086.79	10581	265	437.08	1431.0	221.4	87	385.4
Jan 2015	726	11.8	1088.00	10685	104	439.04	1128.0	288.0	68	396.9
Feb 2015	695	12.5	1088.04	10689	4	439.11	1059.0	279.0	64	401.2
Mar 2015	1044	17.0	1083.97	10343	-346	434.77	1334.0	411.7	82	394.3
Apr 2015	1131	19.0	1078.31	9871	-471	431.02	1089.0	455.5	68	402.7
May 2015	1019	16.6	1074.04	9523	-348	424.78	1267.0	391.4	81	384.2
Jun 2015	954	16.0	1071.78	9341	-182	419.82	1556.0	355.8	100	373.0
Jul 2015	877	14.3	1072.78	9422	81	419.69	1525.8	335.7	100	382.6
Aug 2015	842	13.7	1075.41	9634	213	421.65	1540.7	322.3	100	382.8
Sep 2015	647	10.9	1077.25	9785	150	425.00	1551.0	242.8	100	375.4
<b>WY 2015</b>	<b>9695</b>							<b>3763.3</b>		
Oct 2015	477	7.8	1078.61	9896	112	430.69	1269.5	183.4	81	384.4
Nov 2015	620	10.4	1078.16	9859	-38	434.21	1059.2	243.0	68	391.9
Dec 2015	507	8.2	1081.99	10177	318	431.97	1375.9	196.4	87	387.4
Jan 2016	639	10.4	1084.28	10369	193	434.81	1088.8	250.5	68	392.2

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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
*	Feb 2013	609	11.0	641.78	1665	16	138.67	153.0	76.8	60	126.1
H	Mar 2013	956	15.5	642.06	1673	8	140.26	191.3	120.2	75	125.8
I	Apr 2013	1017	17.1	643.87	1723	49	142.09	252.5	128.5	99	126.3
S	May 2013	959	15.6	644.24	1733	10	143.40	244.8	121.8	96	127.0
T	Jun 2013	928	15.6	643.45	1711	-22	141.69	247.4	116.9	97	126.0
O	Jul 2013	810	13.2	643.66	1717	6	141.93	249.9	102.9	98	127.1
R	Aug 2013	749	12.2	644.35	1736	19	143.01	255.0	92.1	100	122.9
I	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>		
C	Oct 2013	768	12.5	637.86	1560	-63	136.18	196.4	94.7	77	123.3
A	Nov 2013	531	8.9	636.95	1537	-24	137.13	158.1	61.5	62	115.9
L	Dec 2013	470	7.6	639.57	1606	69	136.36	173.4	59.4	68	126.5
*	Jan 2014	552	9.0	640.94	1643	37	139.11	163.2	68.9	64	124.9
	Feb 2014	644	11.6	642.00	1671	29	136.84	173.4	80.5	68	125.0
	Mar 2014	979	15.9	642.50	1685	14	135.25	255.0	121.8	100	124.3
	Apr 2014	1093	18.4	643.00	1699	14	135.78	255.0	135.6	100	124.1
	May 2014	1000	16.3	643.00	1699	0	136.04	255.0	124.9	100	124.9
	Jun 2014	941	15.8	642.00	1671	-27	135.51	255.0	117.2	100	124.6
	Jul 2014	907	14.8	641.50	1658	-14	134.73	255.0	112.7	100	124.2
	Aug 2014	801	13.0	641.50	1658	0	134.46	255.0	99.8	100	124.6
	Sep 2014	756	12.7	638.00	1564	-94	132.62	255.0	93.1	100	123.1
<b>WY 2014</b>		<b>9442</b>							<b>1170.1</b>		
	Oct 2014	675	11.0	633.00	1434	-130	129.88	196.4	80.9	77	119.9
	Nov 2014	548	9.2	635.00	1486	51	129.62	158.1	65.3	62	119.2
	Dec 2014	450	7.3	638.71	1583	97	132.06	173.4	55.2	68	122.5
	Jan 2015	617	10.0	641.80	1666	83	135.97	163.2	76.8	64	124.5
	Feb 2015	677	12.2	641.80	1666	0	137.17	173.4	84.7	68	125.1
	Mar 2015	981	16.0	643.05	1700	34	135.44	255.0	122.1	100	124.5
	Apr 2015	1101	18.5	643.00	1699	-2	136.07	255.0	136.8	100	124.3
	May 2015	982	16.0	643.00	1699	0	136.04	255.0	122.8	100	125.0
	Jun 2015	943	15.9	642.00	1671	-27	135.51	255.0	117.5	100	124.6
	Jul 2015	861	14.0	641.50	1658	-14	134.73	255.0	107.1	100	124.5
	Aug 2015	811	13.2	641.50	1658	0	134.46	255.0	101.0	100	124.5
	Sep 2015	721	12.1	638.00	1564	-94	132.62	255.0	88.9	100	123.3
<b>WY 2015</b>		<b>9368</b>							<b>1159.2</b>		
	Oct 2015	592	9.6	633.00	1434	-130	129.88	196.4	71.3	77	120.4
	Nov 2015	542	9.1	635.00	1486	51	129.62	158.1	64.7	62	119.2
	Dec 2015	383	6.2	638.71	1583	97	132.06	173.4	47.1	68	122.9
	Jan 2016	530	8.6	641.80	1666	83	135.97	163.2	66.3	64	125.0

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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
*	Feb 2013	444	8.0	448.13	583	2	80.52	115.2	31.2	96	70.1
H	Mar 2013	680	11.1	447.58	572	-10	81.73	120.0	46.8	100	68.9
I	Apr 2013	765	12.9	448.35	587	15	82.42	97.2	51.1	81	66.8
S	May 2013	677	11.0	448.76	595	8	80.83	104.4	46.4	87	68.6
T	Jun 2013	688	11.6	448.45	589	-6	82.20	117.6	47.4	98	68.9
O	Jul 2013	626	10.2	448.51	590	1	80.88	120.0	43.4	100	69.3
R	Aug 2013	552	9.0	449.22	604	14	82.71	120.0	37.0	100	67.0
I	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>		
C	Oct 2013	467	7.6	447.91	578	18	83.28	96.0	31.7	80	67.9
A	Nov 2013	314	5.3	448.37	587	9	82.63	92.4	22.1	77	70.5
L	Dec 2013	285	4.6	445.37	531	-56	80.69	91.2	19.0	76	66.8
*	Jan 2014	353	5.7	446.23	547	16	80.02	90.0	24.2	75	68.4
	Feb 2014	430	7.7	447.00	561	14	75.31	92.4	28.1	77	65.3
	Mar 2014	720	11.7	447.50	570	9	75.56	99.6	47.8	83	66.4
	Apr 2014	791	13.3	448.70	593	23	75.47	120.0	52.4	100	66.3
	May 2014	704	11.5	448.70	593	0	76.05	120.0	46.8	100	66.5
	Jun 2014	693	11.6	448.70	593	0	76.05	120.0	46.1	100	66.5
	Jul 2014	718	11.7	448.00	580	-13	75.71	120.0	47.6	100	66.3
	Aug 2014	609	9.9	447.50	571	-9	75.13	120.0	39.9	100	65.5
	Sep 2014	538	9.0	446.81	557	-13	74.55	120.0	34.9	100	64.9
<b>WY 2014</b>		<b>6621</b>							<b>440.4</b>		
	Oct 2014	445	7.2	446.31	548	-9	74.77	102.0	28.7	85	64.6
	Nov 2014	369	6.2	446.50	552	3	74.62	102.0	23.6	85	64.0
	Dec 2014	268	4.4	446.50	552	0	74.71	102.0	16.8	85	62.6
	Jan 2015	348	5.7	446.50	552	0	74.71	102.0	22.2	85	63.7
	Feb 2015	458	8.3	446.50	552	0	73.92	120.0	29.4	100	64.2
	Mar 2015	704	11.5	446.70	555	4	74.01	120.0	45.7	100	64.9
	Apr 2015	801	13.5	448.70	593	38	75.08	120.0	52.9	100	66.0
	May 2015	707	11.5	448.70	593	0	76.05	120.0	47.0	100	66.5
	Jun 2015	698	11.7	448.70	593	0	76.05	120.0	46.5	100	66.5
	Jul 2015	733	11.9	448.00	580	-13	75.71	120.0	48.6	100	66.3
	Aug 2015	648	10.5	447.50	571	-9	75.13	120.0	42.5	100	65.6
	Sep 2015	563	9.5	446.81	557	-13	74.55	120.0	36.6	100	65.0
<b>WY 2015</b>		<b>6745</b>							<b>440.6</b>		
	Oct 2015	461	7.5	446.31	548	-9	74.77	102.0	29.8	85	64.7
	Nov 2015	386	6.5	446.50	552	3	74.62	102.0	24.8	85	64.1
	Dec 2015	282	4.6	446.50	552	0	74.71	102.0	17.8	85	62.9
	Jan 2016	345	5.6	446.50	552	0	74.71	102.0	22.0	85	63.7

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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
* Feb 2013	259	25	4	5	1	3
H Mar 2013	258	20	4	5	2	3
<b>Winter 2013</b>	<b>1721</b>	<b>140</b>	<b>28</b>	<b>41</b>	<b>13</b>	<b>17</b>
I Apr 2013	235	19	10	14	8	3
S May 2013	257	26	15	23	15	3
T Jun 2013	344	52	18	26	16	3
O Jul 2013	361	26	26	35	20	3
R Aug 2013	338	26	23	31	18	3
I 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>
C Oct 2013	202	19	12	16	10	1
A Nov 2013	231	18	3	0	1	4
L Dec 2013	253	19	3	0	1	5
* Jan 2014	337	19	3	0	0	4
Feb 2014	226	16	5	5	3	5
Mar 2014	189	18	4	6	4	4
<b>Winter 2014</b>	<b>1439</b>	<b>108</b>	<b>30</b>	<b>28</b>	<b>20</b>	<b>22</b>
Apr 2014	188	17	12	20	12	4
May 2014	197	37	36	55	23	6
Jun 2014	238	56	16	28	19	8
Jul 2014	323	25	37	44	23	10
Aug 2014	322	25	39	46	23	7
Sep 2014	240	24	35	42	21	3
<b>Summer 2014</b>	<b>1508</b>	<b>183</b>	<b>175</b>	<b>236</b>	<b>122</b>	<b>38</b>
Oct 2014	240	25	21	26	14	6
Nov 2014	238	24	12	15	8	6
Dec 2014	316	25	27	33	17	6
Jan 2015	313	25	23	29	15	5
Feb 2015	254	22	14	19	10	4
Mar 2015	252	26	9	13	7	4
<b>Winter 2015</b>	<b>1613</b>	<b>145</b>	<b>106</b>	<b>135</b>	<b>70</b>	<b>32</b>
Apr 2015	232	25	12	19	11	4
May 2015	256	43	36	53	23	7
Jun 2015	323	95	21	32	21	9
Jul 2015	409	36	35	42	23	10
Aug 2015	426	36	38	45	23	9
Sep 2015	324	35	35	42	21	3
<b>Summer 2015</b>	<b>1646</b>	<b>235</b>	<b>143</b>	<b>192</b>	<b>102</b>	<b>38</b>
Oct 2015	241	36	22	26	14	6
Nov 2015	240	35	12	16	8	6
Dec 2015	319	36	28	34	17	6
Jan 2016	317	36	23	29	15	5

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## February 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	Lake 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>**** EFFECTIVE SPACE ****</b>										
Feb 2014	1,084	441	733	14494	16751	14846	31597	468	435	401	1303	14494	14846	30644	1500	690	0	28.8
Mar 2014	1,096	439	739	14776	17049	14879	31928	476	433	406	1315	14776	14879	30970	1500	1022	0	28.4
Apr 2014	1,066	422	704	14832	17024	15336	32360	441	416	370	1227	14832	15336	31396	1500	1138	0	28.4
May 2014	1,006	380	621	14535	16542	15916	32458	374	380	285	1039	14535	15916	31490	1500	1037	0	29.8
Jun 2014	923	253	418	13029	14624	16422	31046	282	241	79	601	13029	16422	30053	1500	951	0	31.4
Jul 2014	762	27	359	11486	12635	16800	29435	107	-12	15	111	11486	16800	28397	1500	924	0	31.1
<b>**** CREDITABLE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>										
Aug 2014	672	35	350	11621	12678	16959	29637	672	35	350	1056	11621	16959	29637	1500	832	0	30.7
Sep 2014	679	93	356	11967	13095	16980	30075	679	93	356	1128	11967	16980	30075	2270	682	0	30.2
Oct 2014	707	155	352	12158	13372	17054	30426	707	155	352	1214	12158	17054	30426	3040	560	0	29.9
Nov 2014	728	179	343	12285	13535	17026	30561	728	179	343	1250	12285	17026	30561	3810	625	0	29.8
Dec 2014	748	185	350	12432	13716	17060	30776	748	185	350	1283	12432	17060	30776	4580	574	0	29.7
Jan 2015	784	248	361	12766	14158	16796	30954	784	248	361	1392	12766	16796	30954	5350	726	0	29.5
<b>**** EFFECTIVE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>										
Jan 2015	784	248	361	12766	14158	16796	30954	422	248	361	1031	12766	16796	30592	5350	726	0	29.5
Feb 2015	813	301	374	13095	14583	16692	31275	449	301	374	1124	13095	16692	30911	1500	695	0	29.2
Mar 2015	833	326	375	13302	14837	16688	31525	466	326	375	1167	13302	16688	31157	1500	1044	0	28.9
Apr 2015	807	321	324	13388	14840	17034	31875	434	321	324	1079	13388	17034	31502	1500	1131	0	28.9
May 2015	749	289	221	13196	14456	17506	31962	369	289	221	879	13196	17506	31582	1500	1019	0	30.1
Jun 2015	634	201	35	12048	12918	17854	30772	243	197	35	475	12048	17854	30377	1500	954	0	31.5
Jul 2015	516	33	-49	10744	11243	18036	29279	112	5	-49	68	10744	18036	28848	1500	877	0	31.6
<b>**** CREDITABLE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>										
Aug 2015	422	27	-76	10839	11213	17955	29168	422	27	-76	373	10839	17955	29168	1500	842	0	31.2
Sep 2015	447	75	-79	11327	11770	17743	29513	447	75	-79	443	11327	17743	29513	2270	647	0	30.9
Oct 2015	499	144	-88	11629	12183	17592	29776	499	144	-88	555	11629	17592	29776	3040	477	0	30.7
Nov 2015	546	172	-102	11688	12304	17481	29785	546	172	-102	616	11688	17481	29785	3810	620	0	30.6
Dec 2015	593	182	-97	11789	12467	17518	29985	593	182	-97	678	11789	17518	29985	4580	507	0	30.5
Jan 2016	658	248	-86	12092	12912	17200	30112	658	248	-86	820	12092	17200	30112	5350	639	0	30.4
<b>**** EFFECTIVE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>										
Jan 2016	658	248	-86	12092	12912	17200	30112	303	248	-86	465	12092	17200	29757	5350	639	0	30.4

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