

January 24-Month Study
Date: January 15, 2015

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

Current Reservoir Status

Reservoir	December Inflow (unregulated) (acre-feet)	Percent of Average (%)	January 12, Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	51,000	159	6493.77	253,000
Flaming Gorge	53,000	152	6027.35	3,248,000
Blue Mesa	34,000	133	7487.76	564,000
Navajo	19,000	75	6037.78	1,089,000
Powell	396,000	109	3595.79	11,353,000

Expected Operations

The operation of Lake Powell and Lake Mead in this January 2015 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 2015 Annual Operating Plan (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 for the remainder of the water year. If the April 2015 24-Month Study projects Lake Powell's September 30, 2015, elevation to be greater than 3,649 feet, the Equalization Tier would govern Lake Powell's operations for the remainder of water year 2015. Based on analysis of a range of forecasted inflow scenarios, the current probability of realizing an inflow volume that would trigger equalization in 2015 is approximately 5 percent. If the April 2015 24-Month Study projects Lake Powell's September 30, 2015, elevation to be equal to or greater than 3,575 feet and equal to or less than than 3,649 feet, and Lake Mead's elevation to be less than 1,075 feet, Lake Powell's annual release volume would be increased to balance the contents of Lake Mead and Lake Powell up to 9.0 maf. Based on analysis of a range of forecasted inflow scenarios, the current probability of realizing an inflow volume that would trigger balancing releases of up to

9.0 maf in 2015 is approximately 90 percent. This January 2015 24-Month Study projects that, consistent with Section 6.B.4 of the Interim Guidelines, an April 2015 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 year 2015.

The Interim Guidelines are available for download at:

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

The 2015 AOP is available for download at:

<http://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP15.pdf>.

Fontenelle Reservoir – Inflows to Fontenelle Reservoir for the month of December were 51,000 acre-feet (AF), or 159 percent of average. The reservoir elevation is 6493 feet, 73 percent of live capacity. Inflows are averaging 840 cubic feet per second (cfs). Fontenelle releases are currently 1,250 cfs and will remain at this level through spring.

Inflows for the next three months are projected to be above average: with January, February and March forecasted inflow volumes at 40,000 AF (132% of average), 35,000 AF (127% of average), and 57,000 AF (108% of average), respectively.

The next Fontenelle Working Group meeting is scheduled for April 15, 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 December was 53,000 acre-feet (AF), or 152 percent of average. The reservoir elevation is 6,027 feet. Observed inflows are averaging 2,000 cubic feet per second (cfs).

Flaming Gorge releases are currently 2,000 cfs daily release with hourly fluctuations for hydropower beginning in mid-December and scheduled through February. Releases are anticipated to increase to approximately 2,250 cfs in March and April in order to obtain the May 1 reservoir elevation target of 6,027 feet.

Inflows for the next three months are projected to be above average: with January, February and March forecasted inflow volumes at 50,000 AF (124% of average), 50,000 AF (112% of average), and 105,000 AF (103% of average), respectively.

The next Flaming Gorge Working Group meeting is scheduled for April 30, 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 – December unregulated inflow into Blue Mesa Reservoir was 34,000 acre-feet or 133 percent of average. Precipitation during December was observed to be about 130 percent of average. The Gunnison River basin snowpack as of January 13th was averaging about 92 percent. The current inflow rate into Blue Mesa Reservoir is about 500 cfs while reservoir releases are averaging about 900 cfs. The present reservoir elevation is 7487.76 feet, which corresponds to a storage content of about 564,000 acre-feet.

Releases from Crystal Dam have been kept at just about the same release rate since early December, with a set release rate of 1,100 cfs. Reservoir releases will most likely change as the current hydrologic conditions change through the snow accumulation season. River flows below the tunnel are essentially the same as releases from the Dam, with the exception of when the tunnel is taking water to refill Fairfield Reservoir for Montrose municipal water needs.

The first Water Supply Forecast for Water Year 2015 has been issued and the April through July unregulated inflow is forecasted to be at 690,000 acre-feet (102% of average). Based on this forecast, Blue Mesa Reservoir is projected to fill by the end of this 2015 runoff season.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday January 23rd in the Montrose, Colorado, starting at 1:00 PM. At this meeting, review of last summer and fall reservoir operations, and plans for this winter and next spring 2014 operations will be 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 6037.9 ft of pool elevation and 1,090,711 acre-ft of storage by the end of December, which was 81% of average for the end of the month. Observed inflow into Navajo was 16,806 af, (modified-unregulated inflow volume of 18,867 af) which was 69% of average for November. Calculated evaporation for the month was 530 acre-

ft. Navajo's release was 350 cfs for the duration of the month. Navajo Reservoir recorded 0.86 inches of liquid precipitation (82% of average).

As of January 5th, the release at Navajo (as measured at the USGS at Archuleta gage) was 354 cfs, and the observed inflow is 201 cfs. The reservoir elevation is 6037.81 ft and the content is 1,089,328 acre-ft, or 64% full (41% of Active). The San Juan River at Four Corners USGS gage is at 650 cfs, and the Animas River at Farmington USGS gage is at 240 cfs.

The most probable modified-unregulated inflow forecast for January at Navajo is 17,000 acre-ft (78% of average), for February is 20,000 acre-ft (66% of average), and for March is 50,000 acre-ft (54% of average). The reservoir is forecast to reach a minimum overwinter storage level of 6037 ft (1,080,800 af) in mid-February. The April-July modified unregulated inflow forecasts are as follows:

Min Probable: 250,000 acre-ft (34% of average)

Most Probable: 450,000 acre-ft (61% of average)

Max Probable: 750,000 acre-ft (102% of average)

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 December was 409 thousand acre-feet (kaf) (113% of average). The release volume from Glen Canyon Dam in December was 864 kaf. The end of December elevation and storage of Lake Powell were 3,597.8 feet (102 feet from full pool) and 11.54 million acre-feet (maf) (47% of full capacity), respectively. The reservoir elevation is now declining and is expected to continue to decline until spring 2015.

Current Operations

The operating tier for water year 2015 was established in August 2014 as the Upper Elevation Balancing Tier. In the Upper Elevation Balancing Tier the initial water year release volume is 8.23 maf; however, there is the possibility for an April adjustment to equalization or balancing operations to govern for the remainder of the water year. Under the minimum, most, and maximum probable inflow scenarios, 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, 2015.

In January, the release volume will be approximately 860 kaf, with fluctuations anticipated between about 10,000 cfs in the nighttime to about 18,000 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 February and March are 600 kaf and 650 kaf, respectively.

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 27MW (approximately 800 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 April to July 2015 water supply forecast for unregulated inflow to Lake Powell, issued on January 5, 2015, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume will be 6.5 maf (91% of average based on the period 1981-2010). At this early point in the season, there is still significant uncertainty regarding this year's water supply. The forecast ranges from a minimum probable of 4.4 maf (61% of average) to a maximum probable of 9.8 maf (137% 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, and document in the 2015 Annual Operating Tier, Lake Powell's operations in water year 2015 will be governed by the Upper Elevation Balancing Tier. In this tier, the initial water year release volume is 8.23 maf, however, there is the potential for an April adjustment to equalization or balancing releases in April 2015. If the April 2015 24-Month Study projects Lake Powell's September 30, 2015, elevation to be greater than 3,649 feet, the Equalization Tier would govern Lake Powell's operations for the remainder of water year 2015 and releases could be approximately 10.8 maf or greater. Based on analysis of a range of forecasted inflow scenarios, the current probability of realizing an inflow volume that would trigger equalization in 2015 is approximately 5 percent. If the April 2015 24-Month Study projects Lake Powell's September 30, 2015, elevation to be equal to or greater than 3,575

feet and equal to or less than 3,649 feet, and Lake Mead's elevation to be less than 1,075 feet, Lake Powell's annual release volume would be increased to balance the contents of Lake Mead and Lake Powell up to 9.0 maf. Based on analysis of a range of forecasted inflow scenarios, the current probability of realizing an inflow volume that would trigger balancing releases of up to 9.0 maf in 2015 is approximately 90 percent. The January 2015 24-Month Study projects that an April 2015 adjustment to balancing releases is likely to occur and Lake Powell is currently projected to release 9.0 maf in water year 2015.

Based on the current forecast, the January [24-Month Study](#) projects Lake Powell elevation will end water year 2015 near 3,609 feet with approximately 12.63 maf in storage (52% capacity). Note that projections of elevation and storage have significant uncertainty at this early point in the season, primarily due to uncertainty regarding this season's final snowpack and the resulting inflow to Lake Powell. Under the minimum probable inflow scenario, last updated in January, the projected end of water year elevation and storage are 3589 feet and 10.73 maf (44% capacity), respectively. Under the maximum probable inflow scenario, last updated in January, the projected end of water year elevation and storage are 3639 feet and 15.94 maf (66% capacity), respectively. The annual release volume from Lake Powell during water year 2015 is projected to be 9.0 maf under all three inflow scenarios. However, 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 10.8 maf or greater.

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 8.39 maf, or 78% 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. The water year 2014 unregulated inflow volume to Lake Powell was 10.381 maf (96% of average), which, though still below average, was significantly higher than inflows observed in 2012 and 2013 (45% and 47% of average, respectively). Under the current most probable forecast, total water year 2015 unregulated inflows to Lake Powell is projected to be 10.08 maf (93% 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 29.9 maf (50% 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 January minimum and maximum probable inflow forecasts and modeling the range is approximately 27.5 maf (46%) to 33.6 maf (56%), respectively.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

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

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	dec	Forecast	Outlook					
:		sep	oct	nov	dec	%Avg	jan	feb	mar	apr-jul	%Avg
GLDA3: Lake Powell		511	716	422	396	109%:	340/	370/	575/	6500/:	91%
GBRW4: Fontenelle		69	85	53	51	159%:	40/	35/	57/	800/:	110%
GRNU1: Flaming Gorge		99	108	65	53	152%:	50/	50/	105/	1000/:	102%
BMDC2: Blue Mesa		48	55	37	34	133%:	27/	23/	36/	690/:	102%
MPSC2: Morrow Point		49	56	38	35	126%:	30/	26/	41/	750/:	101%
CLSC2: Crystal		53	61	43	39	120%:	34/	30/	48/	840/:	101%
TPIC2: Taylor Park		9.4	9.2	6.6	4.6	98%:	4.2/	3.7/	4.2/	100/:	101%
VCRC2: Vallecito		22	23	9.8	6.4	101%:	5/	4.2/	6.6/	160/:	82%
NVRN5: Navajo		39	68	28	18.9	75%:	17/	20/	50/	450/:	61%
LEMC2: Lemon		5.8	5.5	1.74	1.10	100%:	0.8/	0.6/	1.3/	42/:	76%
MPHC2: McPhee		14.4	10.8	4.3	-999	-99%:	3.6/	3.8/	13/	255/:	86%
RBSC2: Ridgway		12.1	10.3	5.8	4.8	107%:	4.2/	3.6/	5.5/	102/:	101%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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)
*	Jan 2014	29	1	61	0	61	6479.35	163
H	Feb 2014	29	0	55	0	55	6474.06	136
I	Mar 2014	56	0	71	0	71	6470.70	121
S	Apr 2014	101	1	83	1	84	6474.33	138
T	May 2014	272	1	96	126	222	6483.58	186
O	Jun 2014	427	2	104	254	364	6492.90	247
R	Jul 2014	220	3	90	1	117	6506.25	347
I	Aug 2014	98	2	100	1	108	6504.71	335
C	Sep 2014	69	2	21	66	87	6502.07	314
WY 2014		1424	15	811	478	1328		
A	Oct 2014	85	1	80	10	90	6501.37	309
L	Nov 2014	53	1	69	1	69	6499.16	292
*	Dec 2014	51	1	77	0	77	6495.49	265
	Jan 2015	40	1	79	0	79	6489.57	226
	Feb 2015	35	1	69	0	69	6484.16	191
	Mar 2015	57	1	100	7	108	6474.58	140
	Apr 2015	95	1	93	29	122	6468.30	112
	May 2015	180	1	98	28	126	6479.64	165
	Jun 2015	345	2	102	125	226	6497.66	282
	Jul 2015	180	3	102	13	115	6505.83	344
	Aug 2015	75	2	92	0	92	6503.37	325
	Sep 2015	47	2	36	32	68	6500.38	302
WY 2015		1244	15	997	244	1241		
	Oct 2015	49	1	70	0	70	6497.40	280
	Nov 2015	42	1	68	0	68	6493.71	253
	Dec 2015	32	1	70	0	70	6487.85	214
	Jan 2016	30	1	70	0	70	6481.19	173
	Feb 2016	28	1	66	0	66	6473.54	135
	Mar 2016	53	0	70	0	70	6469.38	117
	Apr 2016	85	1	89	0	89	6468.32	112
	May 2016	164	1	98	10	108	6480.07	167
	Jun 2016	299	2	101	102	203	6494.78	261
	Jul 2016	178	3	92	0	92	6505.73	344
	Aug 2016	77	2	92	0	92	6503.46	325
	Sep 2016	46	2	73	0	73	6499.74	297
WY 2016		1083	15	961	112	1073		
	Oct 2016	49	1	71	0	71	6496.57	274
	Nov 2016	42	1	68	0	68	6492.75	247
	Dec 2016	32	1	71	0	71	6486.79	207

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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)
*	Jan 2014	33	65	2	49	0	49	115	6016.19	2847	77
H	Feb 2014	46	71	2	45	0	45	116	6016.89	2871	88
I	Mar 2014	86	100	3	49	1	50	117	6018.21	2917	123
S	Apr 2014	128	111	5	50	0	50	120	6019.75	2971	306
T	May 2014	333	283	8	53	0	53	128	6025.67	3185	594
O	Jun 2014	472	409	10	208	85	293	132	6028.39	3287	775
R	Jul 2014	226	123	13	105	0	105	132	6028.51	3292	208
I	Aug 2014	126	136	13	122	0	122	132	6028.53	3293	190
C	Sep 2014	99	118	11	116	0	116	132	6028.31	3284	170
	WY 2014	1689	1594	77	945	86	1032				2799
A	Oct 2014	108	112	7	92	0	92	133	6028.64	3297	159
L	Nov 2014	65	81	4	77	0	77	133	6028.63	3296	134
*	Dec 2014	53	79	2	113	0	113	131	6027.71	3262	164
	Jan 2015	50	89	2	123	0	123	130	6026.81	3228	143
	Feb 2015	50	84	2	111	0	111	129	6026.07	3200	131
	Mar 2015	105	156	3	138	0	138	129	6026.43	3214	208
	Apr 2015	130	157	5	134	0	134	130	6026.90	3231	324
	May 2015	260	206	8	171	0	171	131	6027.60	3257	646
	Jun 2015	415	296	10	200	0	200	134	6029.75	3340	665
	Jul 2015	195	130	14	101	0	101	135	6030.11	3353	171
	Aug 2015	86	103	13	101	0	101	134	6029.84	3343	119
	Sep 2015	56	77	11	98	0	98	133	6029.03	3312	111
	WY 2015	1573	1570	80	1461	0	1461				2978
	Oct 2015	60	81	7	101	0	101	132	6028.32	3285	127
	Nov 2015	51	77	3	98	0	98	131	6027.70	3261	127
	Dec 2015	35	73	2	101	0	101	130	6026.94	3232	127
	Jan 2016	40	80	2	101	0	101	129	6026.35	3210	127
	Feb 2016	45	83	2	95	0	95	129	6025.98	3197	123
	Mar 2016	102	120	3	101	0	101	129	6026.39	3212	178
	Apr 2016	134	137	5	115	0	115	130	6026.84	3229	330
	May 2016	245	189	8	190	0	190	130	6026.61	3220	722
	Jun 2016	390	294	10	107	0	107	136	6031.04	3389	527
	Jul 2016	210	125	14	111	0	111	136	6031.05	3390	211
	Aug 2016	89	104	13	111	0	111	136	6030.58	3371	136
	Sep 2016	55	82	11	107	0	107	134	6029.67	3336	126
	WY 2016	1455	1446	80	1340	0	1340				2860
	Oct 2016	59	81	7	111	0	111	133	6028.74	3301	143
	Nov 2016	51	77	3	107	0	107	132	6027.90	3269	139
	Dec 2016	35	74	2	111	0	111	130	6026.92	3232	136

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

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January 2015 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)
* Jan 2014	5	5	9310.93	71
H Feb 2014	4	4	9311.08	72
I Mar 2014	5	5	9310.72	71
S Apr 2014	12	13	9310.23	70
T May 2014	31	27	9312.59	74
O Jun 2014	49	28	9324.29	95
R Jul 2014	19	25	9320.83	88
I Aug 2014	12	19	9316.50	81
C Sep 2014	10	14	9314.21	77
WY 2014	161	154		
A Oct 2014	10	8	9315.40	79
L Nov 2014	7	6	9315.85	80
* Dec 2014	6	6	9315.74	79
Jan 2015	4	6	9314.69	78
Feb 2015	4	6	9313.32	75
Mar 2015	4	6	9312.23	73
Apr 2015	8	10	9311.00	71
May 2015	33	22	9317.52	82
Jun 2015	42	25	9326.64	99
Jul 2015	17	22	9324.05	94
Aug 2015	10	22	9317.52	82
Sep 2015	7	16	9312.23	73
WY 2015	151	154		
Oct 2015	6	8	9311.27	72
Nov 2015	5	6	9310.67	71
Dec 2015	5	6	9309.84	70
Jan 2016	4	6	9308.79	68
Feb 2016	4	6	9307.37	66
Mar 2016	4	6	9306.34	64
Apr 2016	9	6	9308.15	67
May 2016	28	14	9316.82	81
Jun 2016	42	22	9327.39	101
Jul 2016	20	22	9326.45	99
Aug 2016	10	20	9321.35	89
Sep 2016	7	16	9316.55	81
WY 2016	145	138		
Oct 2016	7	8	9315.77	79
Nov 2016	5	6	9315.26	79
Dec 2016	5	6	9314.48	77

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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)
*	Jan 2014	22	22	0	14	0	14	7462.81	389
H	Feb 2014	23	22	0	13	0	13	7464.31	398
I	Mar 2014	32	33	0	23	0	23	7465.76	408
S	Apr 2014	129	130	1	28	0	28	7480.43	509
T	May 2014	242	240	1	69	3	72	7501.73	676
O	Jun 2014	361	338	1	185	142	353	7499.76	659
R	Jul 2014	117	123	1	118	0	118	7500.15	663
I	Aug 2014	64	72	1	104	0	104	7496.00	629
C	Sep 2014	48	52	1	81	0	81	7492.28	599
WY 2014		1145	1138	8	708	145	879		
A	Oct 2014	55	53	1	64	0	64	7490.77	587
L	Nov 2014	37	36	0	27	0	27	7491.85	596
*	Dec 2014	34	34	0	55	0	55	7489.11	574
	Jan 2015	27	29	0	59	0	59	7485.13	544
	Feb 2015	23	25	0	50	0	50	7481.79	519
	Mar 2015	36	38	0	47	0	47	7480.49	510
	Apr 2015	80	82	1	50	0	50	7484.71	541
	May 2015	235	224	1	128	0	128	7496.87	636
	Jun 2015	270	253	1	74	0	74	7517.59	813
	Jul 2015	105	110	2	119	0	119	7516.40	802
	Aug 2015	57	69	1	123	0	123	7510.17	747
	Sep 2015	45	54	1	114	0	114	7503.01	686
WY 2015		1003	1006	9	910	0	910		
	Oct 2015	43	44	1	78	0	78	7498.89	652
	Nov 2015	33	34	0	50	0	50	7496.89	636
	Dec 2015	26	27	0	81	0	81	7490.00	581
	Jan 2016	24	26	0	73	0	73	7483.81	534
	Feb 2016	22	25	0	51	0	51	7480.21	507
	Mar 2016	36	38	0	32	0	32	7480.91	513
	Apr 2016	77	74	1	42	0	42	7485.16	544
	May 2016	221	207	1	116	0	116	7496.65	634
	Jun 2016	261	241	1	76	0	76	7515.90	798
	Jul 2016	117	119	2	113	0	113	7516.40	802
	Aug 2016	63	73	1	122	0	122	7510.76	752
	Sep 2016	38	47	1	116	0	116	7502.51	682
WY 2016		962	955	9	950	0	950		
	Oct 2016	38	40	1	73	0	73	7498.39	648
	Nov 2016	31	32	0	47	0	47	7496.51	633
	Dec 2016	26	27	0	78	0	78	7490.00	581

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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)
* Jan 2014	24	14	2	16	0	0	16	7148.51	108
H Feb 2014	24	13	2	14	12	0	14	7148.21	108
I Mar 2014	33	23	1	24	25	0	25	7146.76	107
S Apr 2014	143	28	13	41	42	0	42	7146.13	106
T May 2014	268	72	26	98	93	0	93	7152.55	111
O Jun 2014	379	353	18	372	295	63	382	7138.91	101
R Jul 2014	120	118	3	122	82	8	110	7153.91	112
I Aug 2014	64	104	1	105	104	0	104	7154.40	113
C Sep 2014	49	81	1	82	82	0	82	7153.75	112
WY 2014	1215	879	70	949	782	73	949		
A Oct 2014	56	64	1	65	49	0	68	7149.96	109
L Nov 2014	38	27	2	29	23	0	26	7154.03	112
* Dec 2014	35	55	1	56	56	0	56	7153.68	112
Jan 2015	30	59	3	62	62	0	62	7153.73	112
Feb 2015	26	50	3	53	53	0	53	7153.73	112
Mar 2015	41	47	5	52	52	0	52	7153.73	112
Apr 2015	90	50	10	60	60	0	60	7153.73	112
May 2015	260	128	25	153	153	0	153	7153.73	112
Jun 2015	290	74	20	94	94	0	94	7153.73	112
Jul 2015	110	119	5	124	124	0	124	7153.73	112
Aug 2015	61	123	4	127	127	0	127	7153.73	112
Sep 2015	48	114	3	117	117	0	117	7153.73	112
WY 2015	1085	910	82	992	970	0	992		
Oct 2015	46	78	3	81	81	0	81	7153.73	112
Nov 2015	35	50	2	52	52	0	52	7153.73	112
Dec 2015	28	81	2	84	84	0	84	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	122	3	125	125	0	125	7153.73	112
Sep 2016	41	116	3	119	119	0	119	7153.73	112
WY 2016	1047	950	85	1035	1035	0	1035		
Oct 2016	41	73	3	76	76	0	76	7153.73	112
Nov 2016	33	47	2	49	49	0	49	7153.73	112
Dec 2016	28	78	2	80	80	0	80	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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)
*	Jan 2014	27	16	3	19	6	14	20	6746.01	15	1	20
H	Feb 2014	29	14	5	19	3	17	20	6743.52	14	1	20
I	Mar 2014	39	25	6	31	30	0	31	6744.65	15	1	30
S	Apr 2014	154	42	11	53	53	0	53	6743.26	14	28	26
T	May 2014	297	93	29	122	88	22	118	6758.88	19	52	69
O	Jun 2014	414	382	35	417	108	126	419	6751.56	17	61	378
R	Jul 2014	130	110	10	120	119	2	120	6749.06	16	67	59
I	Aug 2014	69	104	4	109	108	0	108	6749.65	16	65	48
C	Sep 2014	53	82	4	86	84	3	87	6747.57	15	62	26
WY 2014		1337	949	123	1071	690	187	1071			374	738
A	Oct 2014	61	68	5	73	74	0	74	6745.88	15	48	27
L	Nov 2014	43	26	5	30	29	0	30	6748.06	16	0	30
*	Dec 2014	39	56	5	61	61	0	61	6746.42	15	1	62
	Jan 2015	34	62	4	66	64	0	64	6753.04	17	0	68
	Feb 2015	30	53	4	57	57	0	57	6753.04	17	0	61
	Mar 2015	48	52	7	59	59	0	59	6753.04	17	5	63
	Apr 2015	105	60	15	75	75	0	75	6753.04	17	30	86
	May 2015	290	153	30	183	134	49	183	6753.04	17	55	244
	Jun 2015	325	94	35	129	129	0	129	6753.04	17	60	139
	Jul 2015	120	124	10	134	134	0	134	6753.04	17	65	87
	Aug 2015	68	127	7	134	134	0	134	6753.04	17	65	76
	Sep 2015	54	117	6	123	123	0	123	6753.04	17	55	76
WY 2015		1217	992	133	1125	1074	49	1123			384	1020
	Oct 2015	52	81	6	87	87	0	87	6753.04	17	30	65
	Nov 2015	40	52	5	57	57	0	57	6753.04	17	0	62
	Dec 2015	32	84	5	88	88	0	88	6753.04	17	0	93
	Jan 2016	31	75	5	80	80	0	80	6753.04	17	0	84
	Feb 2016	29	54	4	57	57	0	57	6753.04	17	0	62
	Mar 2016	46	36	6	42	42	0	42	6753.04	17	5	52
	Apr 2016	101	53	12	66	66	0	66	6753.04	17	30	85
	May 2016	281	142	34	176	134	42	176	6753.04	17	55	248
	Jun 2016	315	96	34	130	130	0	130	6753.04	17	60	171
	Jul 2016	138	119	14	133	133	0	133	6753.04	17	65	102
	Aug 2016	75	125	8	134	134	0	134	6753.04	17	65	84
	Sep 2016	47	119	6	125	125	0	125	6753.04	17	55	82
WY 2016		1187	1035	140	1175	1133	42	1175			365	1191
	Oct 2016	47	76	6	82	82	0	82	6753.04	17	30	62
	Nov 2016	38	49	5	54	54	0	54	6753.04	17	0	60
	Dec 2016	32	80	5	85	85	0	85	6753.04	17	0	90

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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)
*	Jan 2014	6	2	7653.61	96
H	Feb 2014	5	2	7654.41	98
I	Mar 2014	7	11	7653.05	94
S	Apr 2014	28	16	7657.59	106
T	May 2014	59	43	7663.60	122
O	Jun 2014	47	50	7662.12	118
R	Jul 2014	15	38	7653.12	95
I	Aug 2014	14	32	7645.08	75
C	Sep 2014	22	28	7642.43	70
WY 2014		238	229		
A	Oct 2014	23	5	7650.16	87
L	Nov 2014	10	3	7652.74	94
*	Dec 2014	6	4	7653.53	96
	Jan 2015	5	3	7654.39	98
	Feb 2015	4	2	7655.29	100
	Mar 2015	7	2	7657.20	105
	Apr 2015	19	1	7663.74	122
	May 2015	62	58	7664.99	125
	Jun 2015	58	59	7664.41	124
	Jul 2015	21	42	7656.35	103
	Aug 2015	18	38	7648.09	82
	Sep 2015	15	30	7641.49	67
WY 2015		248	247		
	Oct 2015	14	17	7639.98	64
	Nov 2015	8	1	7643.11	71
	Dec 2015	6	2	7645.21	76
	Jan 2016	5	2	7646.85	80
	Feb 2016	5	1	7648.22	83
	Mar 2016	9	2	7651.09	90
	Apr 2016	23	1	7659.62	111
	May 2016	71	57	7664.90	125
	Jun 2016	70	70	7664.80	125
	Jul 2016	29	41	7659.90	112
	Aug 2016	20	38	7652.68	93
	Sep 2016	17	29	7647.63	81
WY 2016		279	262		
	Oct 2016	16	16	7647.20	80
	Nov 2016	9	1	7650.22	88
	Dec 2016	6	2	7652.17	92

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 24-Month Study

Most Probable Inflow*

Navajo Reservoir



Date	Mod Unreg Inflow (1000 Ac-Ft)	Azetea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
* Jan 2014	19	0	16	0	0	17	6025.41	963	36
H Feb 2014	23	0	21	1	0	18	6025.70	966	35
I Mar 2014	52	2	53	1	4	18	6028.76	996	41
S Apr 2014	123	14	98	2	21	18	6034.32	1053	64
T May 2014	176	20	141	3	31	17	6042.68	1142	115
O Jun 2014	116	19	98	4	39	20	6045.77	1177	148
R Jul 2014	14	2	35	4	44	29	6042.03	1135	64
I Aug 2014	14	1	32	3	37	39	6037.72	1088	61
C Sep 2014	39	1	47	2	22	31	6036.99	1081	61
WY 2014	696	62	626	23	203	253			754
A Oct 2014	68	1	46	1	7	21	6038.47	1096	65
L Nov 2014	28	0	21	1	0	21	6038.43	1096	46
* Dec 2014	19	0	17	1	0	22	6037.94	1091	45
Jan 2015	17	0	15	1	0	22	6037.25	1083	34
Feb 2015	20	0	18	1	0	19	6037.02	1081	30
Mar 2015	50	1	44	1	5	22	6038.53	1097	40
Apr 2015	100	9	74	2	19	21	6041.48	1129	63
May 2015	185	24	157	3	33	49	6047.90	1201	181
Jun 2015	135	18	118	4	48	77	6046.94	1190	205
Jul 2015	30	2	48	4	52	24	6044.11	1158	72
Aug 2015	25	1	44	3	44	28	6041.30	1127	60
Sep 2015	28	0	42	2	24	22	6040.66	1120	49
WY 2015	704	57	643	24	233	347			890
Oct 2015	36	1	38	1	9	22	6041.22	1126	47
Nov 2015	30	0	22	1	0	21	6041.29	1127	38
Dec 2015	25	0	20	1	0	22	6041.13	1125	37
Jan 2016	22	0	18	1	0	22	6040.76	1121	35
Feb 2016	30	0	27	1	0	20	6041.31	1127	33
Mar 2016	92	2	84	1	5	22	6046.30	1183	44
Apr 2016	170	14	135	2	20	21	6054.09	1274	73
May 2016	277	40	223	4	33	67	6063.50	1393	213
Jun 2016	224	33	190	4	49	123	6064.57	1407	274
Jul 2016	66	7	72	5	53	22	6064.03	1400	89
Aug 2016	45	1	62	4	44	24	6063.25	1390	62
Sep 2016	43	1	54	3	24	21	6063.74	1396	53
WY 2016	1060	98	945	27	237	404			998
Oct 2016	47	1	46	2	8	22	6064.83	1411	50
Nov 2016	34	1	26	1	0	21	6065.12	1414	39
Dec 2016	25	0	20	1	0	22	6064.97	1412	37

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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)
*	Jan 2014	270	271	7	800	0	800	3578.69	4840	9828	811
H	Feb 2014	330	321	7	599	0	599	3575.55	4819	9563	604
I	Mar 2014	509	444	12	504	0	504	3574.76	4813	9497	510
S	Apr 2014	964	774	19	502	0	502	3577.56	4832	9732	512
T	May 2014	2082	1632	24	493	0	493	3589.38	4915	10764	498
O	Jun 2014	3039	2676	42	598	0	598	3609.19	5066	12649	609
R	Jul 2014	838	730	53	800	0	800	3608.05	5056	12535	814
I	Aug 2014	517	615	53	801	0	801	3605.82	5039	12314	818
C	Sep 2014	511	622	48	604	0	604	3605.53	5037	12286	619
	WY 2014	10381	9287	347	7337	143	7480				7568
A	Oct 2014	716	636	34	598	0	598	3605.57	5037	12290	613
L	Nov 2014	423	420	32	645	132	777	3601.87	5008	11929	780
*	Dec 2014	409	465	25	864	0	864	3597.75	4977	11537	880
	Jan 2015	340	448	8	860	0	860	3593.58	4946	11148	871
	Feb 2015	370	458	8	600	0	600	3592.07	4934	11009	607
	Mar 2015	575	597	14	650	0	650	3591.39	4929	10947	656
	Apr 2015	900	822	22	600	0	600	3593.42	4944	11133	609
	May 2015	2200	1925	27	700	0	700	3605.08	5033	12242	708
	Jun 2015	2500	2098	45	800	0	800	3616.56	5126	13402	808
	Jul 2015	900	869	56	1050	0	1050	3614.44	5108	13183	1067
	Aug 2015	400	529	55	800	0	800	3611.49	5084	12881	819
	Sep 2015	350	480	50	701	0	701	3609.01	5064	12631	714
	WY 2015	10083	9746	373	8868	132	9000				9131
	Oct 2015	464	536	34	600	0	600	3608.10	5057	12540	609
	Nov 2015	450	506	33	600	0	600	3606.91	5047	12422	610
	Dec 2015	363	481	26	800	0	800	3603.66	5022	12103	808
	Jan 2016	361	471	8	800	0	800	3600.43	4997	11791	811
	Feb 2016	393	462	8	650	0	650	3598.52	4982	11609	657
	Mar 2016	665	596	14	650	0	650	3597.85	4977	11546	656
	Apr 2016	1056	886	23	600	0	600	3600.42	4997	11790	609
	May 2016	2343	2046	28	650	0	650	3613.22	5098	13057	658
	Jun 2016	2666	2180	48	800	0	800	3624.90	5197	14290	808
	Jul 2016	1091	1002	59	1000	0	1000	3624.42	5193	14237	1017
	Aug 2016	500	605	58	1050	0	1050	3620.07	5155	13771	1069
	Sep 2016	408	541	53	800	0	800	3617.33	5132	13482	813
	WY 2016	10760	10312	392	9000	0	9000				9124
	Oct 2016	512	583	36	600	0	600	3616.86	5128	13433	609
	Nov 2016	473	533	35	600	0	600	3615.95	5121	13339	609
	Dec 2016	363	488	28	800	0	800	3612.89	5096	13024	808

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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)
*	Jan 2014	605	-7	10	552	0	552	9.0	640.94	1643
H	Feb 2014	717	-22	10	658	0	658	11.9	641.96	1670
I	Mar 2014	1090	-12	13	1074	0	1074	17.5	641.61	1661
S	Apr 2014	1134	-21	17	1054	0	1054	17.7	643.13	1702
T	May 2014	1086	-17	22	1023	0	1022	16.6	644.01	1726
O	Jun 2014	959	-19	25	947	0	947	15.9	642.83	1694
R	Jul 2014	943	-10	25	900	0	900	14.6	643.10	1701
I	Aug 2014	735	-6	23	697	0	697	11.3	643.43	1711
C	Sep 2014	686	-6	18	727	0	727	12.2	641.03	1645
	WY 2014	9759	-139	198	9400	0	9400			
A	Oct 2014	472	10	15	642	0	642	10.4	634.40	1470
L	Nov 2014	695	-6	10	629	0	629	10.6	636.32	1520
*	Dec 2014	493	-2	9	445	0	445	7.2	637.75	1558
	Jan 2015	789	-14	10	651	0	651	10.6	642.00	1671
	Feb 2015	642	-10	10	622	0	622	11.2	642.00	1671
	Mar 2015	1013	-15	13	956	0	956	15.5	643.05	1700
	Apr 2015	1165	-17	17	1132	0	1132	19.0	643.00	1699
	May 2015	1044	-13	22	1010	0	1010	16.4	643.00	1699
	Jun 2015	918	-14	25	906	0	906	15.2	642.00	1671
	Jul 2015	907	-10	25	885	0	885	14.4	641.50	1658
	Aug 2015	819	-11	23	786	0	786	12.8	641.50	1658
	Sep 2015	744	-4	18	762	0	762	12.8	640.01	1617
	WY 2015	9702	-107	197	9425	0	9425			
	Oct 2015	451	-2	15	617	0	617	10.0	633.00	1434
	Nov 2015	572	-13	10	498	0	498	8.4	635.00	1486
	Dec 2015	529	-17	9	406	0	406	6.6	638.71	1583
	Jan 2016	710	-14	10	602	0	602	9.8	641.80	1666
	Feb 2016	626	-10	10	606	0	606	10.5	641.80	1666
	Mar 2016	1020	-15	13	957	0	957	15.6	643.05	1700
	Apr 2016	1104	-17	17	1072	0	1072	18.0	643.00	1699
	May 2016	992	-13	22	957	0	957	15.6	643.00	1699
	Jun 2016	910	-14	25	898	0	898	15.1	642.00	1671
	Jul 2016	878	-10	25	856	0	856	13.9	641.50	1658
	Aug 2016	795	-11	23	762	0	762	12.4	641.50	1658
	Sep 2016	730	-4	18	747	0	747	12.6	640.01	1617
	WY 2016	9316	-141	197	8978	0	8978			
	Oct 2016	488	-2	15	655	0	655	10.6	633.00	1434
	Nov 2016	635	-13	10	561	0	561	9.4	635.00	1486
	Dec 2016	567	-17	9	444	0	444	7.2	638.71	1583

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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)
*	Jan 2014	552	13	6	353	5.7	101	84	446.23	547	131	2.1
H	Feb 2014	658	20	8	450	8.1	48	130	448.13	582	162	2.9
I	Mar 2014	1074	-3	9	809	13.1	90	176	447.05	562	260	4.2
S	Apr 2014	1054	24	11	756	12.7	105	178	448.11	582	241	4.0
T	May 2014	1022	-3	13	694	11.3	110	184	448.48	589	115	1.9
O	Jun 2014	947	11	15	713	12.0	95	133	447.90	578	112	4.5
R	Jul 2014	900	18	17	685	11.1	105	93	448.27	585	118	1.9
I	Aug 2014	697	26	17	495	8.1	106	99	448.10	582	100	1.6
C	Sep 2014	727	13	15	474	8.0	102	140	448.17	583	90	1.5
WY 2014		9400	168	140	6496		1137	1685			1587	
A	Oct 2014	642	16	12	432	7.0	105	135	446.41	550	66	1.1
L	Nov 2014	629	9	9	351	5.9	102	147	447.77	576	89	1.5
*	Dec 2014	445	20	7	240	3.9	109	132	446.36	549	98	1.6
	Jan 2015	651	16	6	358	5.8	106	180	447.00	561	130	2.1
	Feb 2015	622	11	8	458	8.3	56	94	447.50	570	161	2.9
	Mar 2015	956	17	9	731	11.9	91	148	446.70	555	205	3.3
	Apr 2015	1132	21	11	816	13.7	105	175	448.70	593	205	3.4
	May 2015	1010	21	13	716	11.7	108	181	448.70	593	113	1.8
	Jun 2015	906	17	16	705	11.8	105	84	448.70	593	111	1.9
	Jul 2015	885	29	17	705	11.5	108	84	448.00	580	119	1.9
	Aug 2015	786	27	17	598	9.7	108	87	447.50	571	100	1.6
	Sep 2015	762	25	15	523	8.8	105	135	447.50	570	89	1.5
WY 2015		9425	228	139	6633		1207	1581			1487	
	Oct 2015	617	25	12	478	7.8	28	117	447.50	571	55	0.9
	Nov 2015	498	31	9	373	6.3	27	114	447.50	571	103	1.7
	Dec 2015	406	23	7	293	4.8	30	114	446.50	552	108	1.7
	Jan 2016	602	16	6	357	5.8	79	172	446.50	552	130	2.1
	Feb 2016	606	11	8	438	7.6	73	92	446.50	552	161	2.8
	Mar 2016	957	17	9	729	11.9	79	145	446.70	555	205	3.3
	Apr 2016	1072	21	11	792	13.3	76	167	448.70	593	205	3.4
	May 2016	957	21	13	701	11.4	79	173	448.70	593	113	1.8
	Jun 2016	898	17	16	686	11.5	76	124	448.70	593	111	1.9
	Jul 2016	856	29	17	703	11.4	79	86	448.00	580	119	1.9
	Aug 2016	762	27	17	605	9.8	79	85	447.50	571	100	1.6
	Sep 2016	747	25	15	549	9.2	76	123	447.50	570	89	1.5
WY 2016		8978	263	139	6704		779	1512			1500	
	Oct 2016	655	25	12	452	7.4	79	130	447.50	571	55	0.9
	Nov 2016	561	31	9	375	6.3	76	127	447.50	571	103	1.7
	Dec 2016	444	23	7	282	4.6	79	114	446.50	552	108	1.7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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
*	Jan 2014	605	9.8	1108.75	12531	186	465.47	746.0	250.9	43	414.5
H	Feb 2014	717	12.9	1107.94	12456	-75	461.16	1415.0	298.2	81	415.9
I	Mar 2014	1090	17.7	1101.71	11888	-567	457.72	1234.0	451.5	71	414.3
S	Apr 2014	1134	19.1	1094.55	11254	-635	447.66	1146.0	459.8	68	405.6
T	May 2014	1086	17.7	1087.46	10639	-615	440.39	1341.0	431.0	81	397.1
O	Jun 2014	959	16.1	1082.66	10233	-406	437.98	1541.0	372.9	93	388.7
R	Jul 2014	943	15.3	1080.60	10061	-172	434.94	1615.0	363.6	100	385.7
I	Aug 2014	735	12.0	1081.55	10140	79	436.53	1493.0	279.3	94	379.9
C	Sep 2014	686	11.5	1081.33	10121	-18	437.59	1493.0	262.1	94	382.2
WY 2014		9759							3910.2		
A	Oct 2014	472	7.7	1082.79	10244	122	442.74	1282.0	180.0	81	381.5
L	Nov 2014	695	11.7	1083.57	10309	65	437.62	1079.0	270.7	68	389.5
*	Dec 2014	493	8.0	1087.79	10667	358	446.86	889.0	189.0	55	383.3
	Jan 2015	789	12.8	1088.97	10768	101	440.81	1018.0	318.9	63	404.2
	Feb 2015	642	11.6	1088.98	10769	1	441.25	844.2	259.3	52	403.9
	Mar 2015	1013	16.5	1085.22	10448	-321	436.27	1242.9	400.4	78	395.4
	Apr 2015	1165	19.6	1079.11	9937	-511	430.58	1284.1	463.8	82	398.2
	May 2015	1044	17.0	1075.00	9601	-336	425.51	1268.1	403.1	82	385.9
	Jun 2015	918	15.4	1072.95	9436	-165	420.88	1533.0	348.0	100	379.2
	Jul 2015	907	14.8	1074.24	9540	104	420.99	1541.0	342.3	100	377.2
	Aug 2015	819	13.3	1074.23	9539	-1	421.79	1542.0	312.8	100	381.8
	Sep 2015	744	12.5	1074.01	9520	-18	422.16	1543.0	282.5	100	379.5
WY 2015		9702							3770.8		
	Oct 2015	451	7.3	1075.62	9651	131	429.05	955.9	172.6	62	383.0
	Nov 2015	572	9.6	1075.94	9678	26	432.35	946.2	221.8	61	388.0
	Dec 2015	529	8.6	1079.63	9980	302	430.45	1253.1	199.3	80	376.7
	Jan 2016	710	11.5	1081.07	10100	120	430.78	1259.0	274.0	80	386.1
	Feb 2016	626	10.9	1081.82	10162	62	430.05	1383.0	238.8	88	381.2
	Mar 2016	1020	16.6	1077.87	9835	-327	428.06	1362.0	392.8	88	385.3
	Apr 2016	1104	18.6	1072.28	9381	-454	423.04	1318.0	427.4	87	387.0
	May 2016	992	16.1	1068.09	9049	-333	418.21	1298.0	371.8	87	374.9
	Jun 2016	910	15.3	1066.09	8891	-157	414.06	1487.6	338.9	100	372.4
	Jul 2016	878	14.3	1067.18	8977	86	414.10	1493.5	331.3	100	377.3
	Aug 2016	795	12.9	1070.44	9235	258	416.42	1511.4	298.7	100	375.7
	Sep 2016	730	12.3	1071.56	9323	89	419.07	1517.5	274.2	100	375.9
WY 2016		9316							3541.8		
	Oct 2016	488	7.9	1072.75	9419	95	426.40	941.5	187.8	62	384.5
	Nov 2016	635	10.7	1072.32	9384	-34	429.12	932.7	244.7	61	385.2
	Dec 2016	567	9.2	1075.62	9651	267	426.66	1236.4	214.1	80	377.5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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
*	Jan 2014	552	9.0	640.94	1643	37	139.11	163.2	68.9	64	124.9
H	Feb 2014	658	11.9	641.96	1670	28	138.63	173.4	84.5	68	128.3
I	Mar 2014	1074	17.5	641.61	1661	-10	138.63	252.5	134.6	99	125.3
S	Apr 2014	1054	17.7	643.13	1702	42	141.55	255.0	132.2	100	125.4
T	May 2014	1023	16.6	644.01	1726	24	143.52	255.0	127.7	100	124.9
O	Jun 2014	947	15.9	642.83	1694	-32	141.57	255.0	119.3	100	126.0
R	Jul 2014	900	14.6	643.10	1701	7	143.48	255.0	112.8	100	125.4
I	Aug 2014	697	11.3	643.43	1711	9	143.79	255.0	88.3	100	126.7
C	Sep 2014	727	12.2	641.03	1645	-65	138.41	255.0	91.5	100	126.0
WY 2014		9400							1175.6		
A	Oct 2014	642	10.4	634.40	1470	-175	134.93	191.3	72.3	75	112.7
L	Nov 2014	629	10.6	636.32	1520	50	136.47	158.1	74.4	62	118.2
*	Dec 2014	445	7.2	637.75	1558	37	134.54	165.8	52.7	65	118.4
	Jan 2015	651	10.6	642.00	1671	114	135.57	163.2	80.7	64	123.9
	Feb 2015	622	11.2	642.00	1671	0	136.97	186.2	78.1	73	125.6
	Mar 2015	956	15.5	643.05	1700	29	135.54	255.0	119.2	100	124.7
	Apr 2015	1132	19.0	643.00	1699	-2	136.07	255.0	140.5	100	124.1
	May 2015	1010	16.4	643.00	1699	0	136.04	255.0	126.0	100	124.8
	Jun 2015	906	15.2	642.00	1671	-27	135.51	255.0	113.0	100	124.8
	Jul 2015	885	14.4	641.50	1658	-14	134.73	255.0	110.1	100	124.3
	Aug 2015	786	12.8	641.50	1658	0	134.46	255.0	98.0	100	124.6
	Sep 2015	762	12.8	640.01	1617	-40	133.68	255.0	94.5	100	124.0
WY 2015		9425							1159.4		
	Oct 2015	617	10.0	633.00	1434	-183	129.77	234.6	74.7	92	121.1
	Nov 2015	498	8.4	635.00	1486	51	127.90	209.1	59.5	82	119.5
	Dec 2015	406	6.6	638.71	1583	97	130.45	224.4	49.9	88	122.8
	Jan 2016	602	9.8	641.80	1666	83	135.97	163.2	75.1	64	124.6
	Feb 2016	606	10.5	641.80	1666	0	137.17	173.4	76.2	68	125.7
	Mar 2016	957	15.6	643.05	1700	34	135.44	255.0	119.2	100	124.6
	Apr 2016	1072	18.0	643.00	1699	-2	136.07	255.0	133.3	100	124.4
	May 2016	957	15.6	643.00	1699	0	136.04	255.0	119.7	100	125.1
	Jun 2016	898	15.1	642.00	1671	-27	135.51	255.0	112.1	100	124.8
	Jul 2016	856	13.9	641.50	1658	-14	134.73	255.0	106.6	100	124.5
	Aug 2016	762	12.4	641.50	1658	0	134.46	255.0	95.0	100	124.8
	Sep 2016	747	12.6	640.01	1617	-40	133.68	255.0	92.7	100	124.1
WY 2016		8978							1114.0		
	Oct 2016	655	10.6	633.00	1434	-183	129.77	234.6	79.2	92	120.9
	Nov 2016	561	9.4	635.00	1486	51	127.90	209.1	66.8	82	119.1
	Dec 2016	444	7.2	638.71	1583	97	130.45	224.4	54.4	88	122.5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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
*	Jan 2014	353	5.7	446.23	547	16	80.02	90.0	24.2	75	68.4
H	Feb 2014	450	8.1	448.13	582	35	82.38	92.4	31.2	77	69.4
I	Mar 2014	809	13.1	447.05	562	-20	77.18	106.8	55.4	89	68.5
S	Apr 2014	756	12.7	448.11	582	20	80.82	120.0	52.3	100	69.1
T	May 2014	694	11.3	448.48	589	7	80.45	106.8	49.2	89	70.8
O	Jun 2014	713	12.0	447.90	578	-11	81.61	120.0	49.8	100	69.8
R	Jul 2014	688	11.1	448.27	585	7	82.46	120.0	47.9	100	69.7
I	Aug 2014	495	8.1	448.10	582	-3	81.82	120.0	35.2	100	71.2
C	Sep 2014	474	8.0	448.17	583	1	82.36	120.0	33.7	100	70.9
WY 2014		6498							451.6		
A	Oct 2014	432	7.0	446.41	550	-33	80.56	91.2	30.8	76	71.3
L	Nov 2014	351	5.9	447.77	576	25	81.18	96.0	24.4	80	69.4
*	Dec 2014	240	3.9	446.36	549	-26	81.87	120.0	15.5	100	64.8
	Jan 2015	358	5.8	447.00	561	12	75.31	93.6	23.0	78	64.3
	Feb 2015	458	8.3	447.50	570	9	75.86	93.6	30.2	78	65.8
	Mar 2015	731	11.9	446.70	555	-15	75.02	108.0	48.2	90	65.9
	Apr 2015	816	13.7	448.70	593	38	75.08	120.0	53.9	100	66.1
	May 2015	716	11.7	448.70	593	0	76.05	120.0	47.7	100	66.5
	Jun 2015	705	11.8	448.70	593	0	76.05	120.0	46.9	100	66.6
	Jul 2015	705	11.5	448.00	580	-13	75.71	120.0	46.7	100	66.2
	Aug 2015	598	9.7	447.50	571	-9	75.13	120.0	39.2	100	65.5
	Sep 2015	523	8.8	447.50	570	0	74.89	120.0	34.0	100	65.0
WY 2015		6633							440.4		
	Oct 2015	478	7.8	447.50	571	0	76.04	94.8	31.5	79	65.8
	Nov 2015	373	6.3	447.50	571	0	75.69	102.0	24.2	85	64.7
	Dec 2015	293	4.8	446.50	552	-19	74.40	120.0	18.4	100	62.7
	Jan 2016	357	5.8	446.50	552	0	75.01	96.0	22.8	80	64.1
	Feb 2016	438	7.6	446.50	552	0	75.13	93.6	28.5	78	65.1
	Mar 2016	729	11.9	446.70	555	4	74.01	120.0	47.4	100	65.0
	Apr 2016	792	13.3	448.70	593	38	75.08	120.0	52.3	100	66.0
	May 2016	701	11.4	448.70	593	0	76.05	120.0	46.6	100	66.5
	Jun 2016	686	11.5	448.70	593	0	76.05	120.0	45.6	100	66.5
	Jul 2016	703	11.4	448.00	580	-13	75.71	120.0	46.6	100	66.2
	Aug 2016	605	9.8	447.50	571	-9	75.13	120.0	39.6	100	65.5
	Sep 2016	549	9.2	447.50	570	0	74.89	120.0	35.8	100	65.2
WY 2016		6704							439.1		
	Oct 2016	452	7.4	447.50	571	0	75.69	102.0	29.5	85	65.3
	Nov 2016	375	6.3	447.50	571	0	75.69	102.0	24.3	85	64.8
	Dec 2016	282	4.6	446.50	552	-19	75.20	102.0	17.8	85	63.1

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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
* Jan 2014	337	19	3	0	0	4
H Feb 2014	247	17	3	4	0	4
I Mar 2014	207	19	6	8	4	4
Winter 2014	1477	110	30	28	17	22
S Apr 2014	206	19	7	13	9	5
T May 2014	204	20	19	32	17	6
O Jun 2014	260	80	54	103	21	7
R Jul 2014	354	41	35	29	22	8
I Aug 2014	353	48	31	37	21	9
C Sep 2014	266	46	23	29	16	2
Summer 2014	1643	255	169	243	106	37
A Oct 2014	264	36	18	17	14	7
L Nov 2014	281	30	7	7	4	6
* Dec 2014	377	43	15	19	11	6
Jan 2015	336	45	17	22	11	7
Feb 2015	234	41	14	19	10	6
Mar 2015	252	50	14	19	10	7
Winter 2015	1745	246	86	104	60	39
Apr 2015	232	49	14	22	13	6
May 2015	275	62	38	55	23	7
Jun 2015	322	73	23	34	22	8
Jul 2015	427	37	38	45	23	10
Aug 2015	324	37	38	46	23	9
Sep 2015	283	36	35	42	21	3
Summer 2015	1863	295	186	243	126	43
Oct 2015	240	37	24	29	15	6
Nov 2015	240	36	15	19	10	6
Dec 2015	318	37	24	30	15	6
Jan 2016	316	37	21	27	14	6
Feb 2016	256	35	15	19	10	5
Mar 2016	255	37	9	13	7	5
Winter 2016	1626	219	108	137	71	33
Apr 2016	236	42	12	19	11	6
May 2016	260	69	34	51	23	7
Jun 2016	328	39	23	35	22	8
Jul 2016	415	41	35	43	23	8
Aug 2016	433	41	38	45	23	9
Sep 2016	328	39	36	43	22	7
Summer 2016	1999	271	179	236	125	45
Oct 2016	245	41	22	27	14	6
Nov 2016	244	39	14	18	9	6
Dec 2016	325	40	23	29	15	6

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



January 2015 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	
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2015	567	255	605	12785	14212	16710	30922	567	255	605	1427	12785	16710	30922	5350	789	0	29.4	
Jan 2015	567	255	605	12785	14212	16710	30922	226	249	240	715	12785	16710	30210	5350	789	0	29.4	
Feb 2015	641	285	613	13174	14713	16609	31322	299	281	247	827	13174	16609	30610	1500	642	0	29.2	
Mar 2015	703	310	615	13313	14942	16608	31551	360	308	249	916	13313	16608	30838	1500	1013	0	28.8	
Apr 2015	741	320	599	13375	15035	16929	31964	393	319	226	938	13375	16929	31243	1500	1165	0	28.6	
May 2015	751	289	567	13189	14796	17440	32236	397	289	173	859	13189	17440	31489	1500	1044	0	29.6	
Jun 2015	672	194	495	12080	13441	17776	31216	308	182	65	555	12080	17776	30411	1500	918	0	31.0	
Jul 2015	473	16	506	10920	11916	17941	29857	94	-14	24	104	10920	17941	28965	1500	907	0	30.8	
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****											
Aug 2015	396	27	538	11139	12101	17837	29938	396	27	538	961	11139	17837	29938	1500	819	0	30.4	
Sep 2015	426	82	569	11441	12519	17838	30357	426	82	569	1078	11441	17838	30357	2270	744	0	30.0	
Oct 2015	480	143	576	11691	12891	17857	30747	480	143	576	1200	11691	17857	30747	3040	451	0	29.7	
Nov 2015	530	177	570	11782	13059	17726	30785	530	177	570	1277	11782	17726	30785	3810	572	0	29.6	
Dec 2015	580	194	569	11900	13242	17699	30941	580	194	569	1342	11900	17699	30941	4580	529	0	29.6	
Jan 2016	648	248	571	12219	13685	17397	31082	648	248	571	1467	12219	17397	31082	5350	710	0	29.3	
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2016	648	248	571	12219	13685	17397	31082	345	248	452	1045	12219	17397	30661	5350	710	0	29.3	
Feb 2016	710	295	575	12531	14112	17277	31389	406	295	456	1157	12531	17277	30966	1500	626	0	29.2	
Mar 2016	763	322	569	12713	14367	17215	31581	456	322	449	1227	12713	17215	31155	1500	1020	0	28.9	
Apr 2016	766	317	513	12776	14372	17542	31914	455	317	387	1159	12776	17542	31477	1500	1104	0	28.8	
May 2016	753	285	422	12532	13992	17996	31988	437	285	273	995	12532	17996	31523	1500	992	0	30.0	
Jun 2016	707	195	303	11265	12471	18328	30799	382	189	118	689	11265	18328	30283	1500	910	0	31.5	
Jul 2016	444	32	289	10032	10796	18486	29282	99	4	50	154	10032	18486	28671	1500	878	0	31.6	
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****											
Aug 2016	361	27	296	10085	10769	18400	29169	361	27	296	684	10085	18400	29169	1500	795	0	31.3	
Sep 2016	397	77	306	10551	11332	18142	29474	397	77	306	781	10551	18142	29474	2270	730	0	30.9	
Oct 2016	461	147	300	10840	11748	18054	29802	461	147	300	908	10840	18054	29802	3040	488	0	30.7	
Nov 2016	520	181	285	10889	11875	17958	29834	520	181	285	986	10889	17958	29834	3810	635	0	30.5	
Dec 2016	578	197	282	10983	12040	17993	30033	578	197	282	1057	10983	17993	30033	4580	567	0	30.4	

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