

September 24-Month Study
Date: August 13, 2017

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

Current Reservoir Status

Reservoir	August Inflow (unregulated) (acre-feet)	Percent of Average (%)	September 13, Midnight Elevation (feet)	September 13, Midnight Reservoir Storage (acre-feet)
Fontenelle	102,000	133	6,494.83	260,000
Flaming Gorge	120,000	136	6,034.35	3,520,000
Blue Mesa	84,000	132	7,512.95	772,000
Navajo	29,000	65	6,056.05	1,298,000
Powell	446,000	89	3,629.60	14,808,000

Expected Operations

The operation of Lake Powell and Lake Mead in this September 2017 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 2017 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2016 24-Month Study projections of the January 1, 2017, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2017.

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell operational tier for water year 2017 is the Upper Elevation Balancing Tier. With an 8.23 million acre-feet (maf) release from Lake Powell in water year 2017, the April 2017 24-Month Study projected the end of water year elevation at Lake Powell to be above 3,575 feet above sea level (feet) and the end of water year elevation at Lake Mead to be below 1,075 feet. Therefore, in accordance with Section 6.B.4 of the Interim Guidelines, Lake Powell operations shifted to balancing releases for the remainder of water year 2017. Under Section 6.B.4, the contents of Lake Powell and Lake Mead will be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf shall be released from Lake Powell. Based on the most probable inflow forecast, this September 24-Month Study projects a balancing release of 9.0 maf in water year 2017.

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 2017.

The August 2017 24-Month Study projected the January 1, 2018 Lake Powell elevation to be below the 2018 Equalization Elevation of 3,654 feet and above elevation 3,575 feet. Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2018 will be governed by the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 maf and the potential for an April adjustment to equalization or balancing releases in April 2018. Consistent with Section 6.B.4 of the Interim Guidelines, an April adjustment to balancing releases is currently projected to occur and Lake Powell is projected to release 9.0 maf in water year 2018.

The August 2017 24-Month Study projected the January 1, 2018 Lake Mead elevation to be above 1,075 feet. 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 2018.

The operational tier determinations will be documented in the 2018 AOP, which is currently in the final stages of development.

The Interim Guidelines are available for download at:

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

The 2017 AOP is available for download at:

<http://www.usbr.gov/lc/region/g4000/aop/AOP17.pdf>

The draft 2018 AOP is available for download at:

https://www.usbr.gov/lc/region/g4000/AOP2018/AOP18_draft.pdf

Fontenelle Reservoir – Fontenelle Reservoir is currently at elevation 6501.56 feet, which amounts to 77 percent of live storage capacity. Inflows for the month of August totaled 101,930 acre-feet (af), or 133 percent of average. Above average inflows are continuing to occur. Releases are currently set at 1,200 cubic feet per second (cfs).

The Colorado Basin River Forecast Center has forecasted fall inflows that are above average. September, October, and November forecasted inflow volumes amount to 64,000 af (140 percent of average), 63,000 af (130 percent of average), and 58,000 af (138 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for 10:00 a.m., April 17, 2018 and will be held at the Seedskaadee 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 – Releases are currently 2,400 cfs/day and are expected to remain at this level through the end of November.

Unregulated inflow into Flaming Gorge Reservoir during the month of August was 120,000 af, or 135 percent of average. The reservoir elevation is 6,034.53 feet (94 percent of live capacity) and decreasing. The observed April-July unregulated inflow volume into Flaming Gorge Reservoir was 2.214 maf (226 percent of average). This is the second highest inflow volume into Flaming Gorge with the record volume inflow in 1986 at 2.26 maf (232 percent of average).

The September final forecast for inflows for the next three months projects above average conditions: September, October and November forecasted inflow volumes at 76,000 af (138 percent of average), 80,000 af (135 percent of average), and 75,000 af (147 percent of average), respectively.

The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stakeholders 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 Dale Hamilton at 801-379-1186 or Heather Patno at 801-524-3883.

Reclamation will be holding the next Flaming Gorge Working Group meeting on Thursday, March 8, 2018, at 7:00 p.m. at the Lighthouse Learning Center High School (gymnasium), 251 West 400 North, Price, Utah, and the next on April 19, 2018, at 11:00 a.m. at the UDWR offices 318 North Vernal Ave, Vernal, Utah.

Aspinall Unit Reservoirs – Releases from Crystal Dam are approximately 1,950 cfs. Blue Mesa Reservoir elevation is 7512.95 feet which corresponds to a storage content 772,000 af (93 percent of full capacity). Releases from Crystal are anticipated to remain near this level through August and September. With Uncompahgre Valley Water Users Association is diverting approximately 1,000 cfs through the Gunnison Tunnel the river flows through the Black Canyon are anticipated to remain near 900 cfs for the remainder of the summer.

The August unregulated inflow to Blue Mesa Reservoir was 84,000 af (132 percent of average). The April through July unregulated inflow for 2017 was 919,000 af (135 percent of average). Unregulated Inflows to Blue Mesa for the next three months (September, October and November) are projected to be: 47,000 af (124 percent of average), 45,000 af (118 percent of average) and 35,000 af (113 percent of average), respectively. For water year 2018, the unregulated inflow volume is forecasted to be 945,000 af (99 percent of average) with 652,000 af (96 percent of average) forecasted unregulated inflow during the April through July period. The September 24-Month Study is reflective of this new forecast.

The Aspinall Unit Working Group is an open public forum for information exchange between Reclamation and the stakeholders of the Aspinall Unit. The public is encouraged to attend and comments 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 Erik Knight in the Grand Junction Area Office at (970) 248-0629.

Meeting notes from past working Group meetings are posted on the Working Group webpage at:

<https://www.usbr.gov/uc/wcao/water/rsvrs/mtgs/amcurrnt.html>

The next meeting of the Aspinall Unit Working Group will be held on Thursday, January 18th, 2018 at 1:00 pm at the Holiday Inn Express located in Montrose, Colorado.

Navajo Reservoir – As of September 6th, the daily average release at Navajo, as measured at the USGS Archuleta gage, is 761 cfs, and the observed inflow is 293 cfs. Navajo Indian Irrigation Project (NIIP) is diverting 610 cfs. The reservoir elevation is 6057.12 feet (1.3 maf of live storage), and is 77 percent full (63 percent of active storage). Releases are made for the authorized purposes of the Navajo Unit, and pursuant to the 2006 Record of Decision, in an 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 (SJRIP) 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.

In August, the modified unregulated inflow into Navajo was 29,382 af, which was 65 percent of average for the month. Final April-July modified unregulated inflow into Navajo Reservoir was 775,000 af (105 percent of average).

The most probable modified-unregulated inflow forecast for September at Navajo is 28,000 af (65 percent of average), for October is 37,000 af (79 percent of average), and for November is 33,000 af (99 percent of average). Releases outside of the spring peak release will be made to maintain the target baseflow in the critical habitat reach and will likely range between 500 and 800 cfs. Due to the warm dry weather, releases to meet target baseflows have increased. Navajo reservoir elevation is currently expected to reach 6055 feet at the end of the water year.

Reclamation conducts Public Operations Meetings three times per year to gather input for determining upcoming operations for Navajo Reservoir. Input from individuals, organizations, and agencies along with other factors such as weather, water rights, endangered species requirements, flood control, hydro power, recreation, fish and wildlife management, and reservoir levels, will be considered in the development of these reservoir operation plans. In addition, the meetings are used to coordinate activities and exchange information among agencies, water users, and other interested parties concerning the San Juan River and Navajo Reservoir.

The next Navajo Public Operations Coordination Meeting is scheduled for January 23, 2018, at 1:00 pm at the Farmington Civic Center, Farmington, NM.

Glen Canyon Dam / Lake Powell

Current Status

The unregulated inflow to Lake Powell in August was 446 thousand acre-feet (kaf) (89 percent of average). The release volume from Glen Canyon Dam in August was 900 kaf. The end of August elevation and storage of Lake Powell were 3,630.88 feet (69 feet from full pool) and 14.95 maf (61 percent of full capacity), respectively. The reservoir elevation peaked at 3,635.80 feet on July 11th and is now in its seasonal decline through the fall and winter months.

Current Operations

The operating tier for water year 2017 was established in August 2016 as the Upper Elevation Balancing Tier. The April 2017 24-Month Study established that Lake Powell operations will be governed by balancing for the remainder of water year 2017. Under balancing, the contents of Lake Powell and Lake Mead will be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf shall be released from Lake Powell. Based on the most probable inflow forecast, this August 24-Month Study projects a balancing release of 9.0 maf in water year 2017. Reclamation will schedule operations at Glen Canyon Dam to achieve as practicably as possible the appropriate total annual release volume by September 30, 2017.

The operating tier for water year 2018, established this August 2017, is the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 maf and the potential for an April 2018 adjustment to equalization or balancing releases. Based on the current forecast, an April adjustment to balancing releases is projected to occur and Lake Powell is currently projected to release 9.0 maf in water year 2018. This projection will be updated each month throughout the water year.

In September 2017, the release volume will be approximately 663 kaf, with fluctuations anticipated between about 8,500 cfs in the nighttime to about 14,500 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 October is 630 kaf with daily fluctuations between approximately 7,300 cfs and 13,000 cfs. The expected release for November is 630 kaf with daily fluctuations between approximately 8,000 cfs and 13,700 cfs.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 megawatts (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 currently maintains 27 mw (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 forecast for water year 2018 unregulated inflow to Lake Powell, issued on August 1, 2017, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume next year will be 9.71 maf (90 percent of average). There is significant uncertainty regarding next season's snow pack development and resulting runoff into Lake Powell. The forecast ranges from a minimum probable of 6.0 maf (55 percent of average) to a maximum probable of 17.5 maf (162 percent of average). There is a 10 percent chance that inflows could be higher than the current maximum probable forecast and a 10 percent chance that inflows could be lower than the minimum probable forecast.

Based on the current forecast, the September 24-Month Study projects Lake Powell elevation will end water year 2017 near 3,629 feet with approximately 14.8 maf in storage (61 percent of capacity) and water year 2018 near 3,632 feet with approximately 15.0 maf in storage (62 percent of capacity). Note that projections of elevation and storage for water year 2018 have significant uncertainty at this point in the season. Projections of elevation and storage using the minimum and maximum probable inflow forecast are 3,607 feet (12.4 maf, 51 percent of capacity) and 3,654 feet (17.7 maf, 73 percent of capacity), respectively. Under these scenarios, 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 annual release volume from Lake Powell during water year 2018 is projected to be 9.0 maf under the minimum and most probable inflow scenarios and 13.8 maf under the maximum probable inflow scenario. There is a chance that inflows could be higher or lower, potentially resulting in releases greater than 13.8 maf or as low as 8.23 maf in water year 2018.

Upper Colorado River Basin Hydrology

The Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 17-year period 2000 to 2016, 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 17 years. The period 2000-2016 is the lowest 17-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.57 maf, or 79 percent 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 2000-2016 period has ranged from a low of 2.64 maf (24 percent of average) in water year 2002 to a high of 15.97 maf (147 percent of average) in water year 2011. In water year 2016 unregulated inflow volume to Lake Powell was 9.62 maf (89 percent of average). Under the current most probable forecast, the total water year 2017 unregulated inflow to Lake Powell is projected to be 12.07 maf (111 percent of average).

At the beginning of water year 2017, total system storage in the Colorado River Basin was 30.2 maf (51 percent of 59.6 maf total system capacity). This is nearly the same as the total storage at the beginning of water years 2015 and 2016 which began at 30.1 maf and 30.3 maf, respectively, both of which were 51 percent 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 percent of capacity at the beginning of 2000 to a low of 50 percent of capacity at the beginning of water year 2005. 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 total Colorado Basin reservoir storage for water year 2018 is approximately 32.64 maf (55 percent of total system capacity). The actual end of water year 2018 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow. Based on the August minimum and maximum probable inflow forecasts and modeling, the range of end of water year 2018 total system capacity is approximately 29.4 maf (49 percent of capacity) to 35.6 maf (60 percent of capacity), respectively.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION
WATER RESOURCES GROUP
ATTENTION UC-430
125 SOUTH STATE STREET, ROOM 8100
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		aug	Forecast		Observed	
:		may	jun	jul	aug	%Avg	sep	oct	nov apr-jul %Avg
GLDA3: Lake Powell		2377	3115	1073	446	89%:	360/	510/	490/ 8173/: 114%
GBRW4: Fontenelle		430	732	332	102	133%:	64/	63/	58/ 1719/: 237%
GRNU1: Flaming Gorge		582	895	387	120	135%:	76/	80/	75/ 2214/: 226%
BMDC2: Blue Mesa		244	392	135	84	132%:	47/	45/	35/ 916/: 136%
MPSC2: Morrow Point		263	411	139	86	129%:	48/	46/	36/ 970/: 131%
CLSC2: Crystal		285	446	148	89	119%:	54/	53/	41/ 1046/: 125%
TPIC2: Taylor Park		30	63	24	12.1	117%:	7.5/	7/	5.5/ 130/: 131%
VCRC2: Vallecito		67	72	30	17.7	89%:	14/	14/	8/ 214/: 110%
NVRN5: Navajo		262	230	49	29	64%:	28/	37/	33/ 776/: 106%
LEMC2: Lemon		17.0	23	7.0	4.0	81%:	3.5/	2.5/	1.5/ 57/: 104%
MPHC2: McPhee		130	95	25	15.0	95%:	9/	8/	6/ 345/: 117%
RBSC2: Ridgway		20	46	26	11.7	79%:	8/	7/	5.5/ 104/: 103%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir



	Date	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Sep 2016	26	2	36	21	58	6490.22	229
	WY 2016	943	15	739	213	952		
H	Oct 2016	57	1	0	57	57	6490.08	228
I	Nov 2016	62	1	0	59	59	6490.44	230
S	Dec 2016	37	1	0	63	63	6486.33	203
T	Jan 2017	45	1	0	63	63	6483.20	184
O	Feb 2017	51	1	0	57	57	6482.06	178
R	Mar 2017	180	1	0	150	150	6486.90	207
I	Apr 2017	225	1	0	304	304	6472.17	128
C	May 2017	430	1	54	373	427	6472.55	129
A	Jun 2017	732	2	74	469	543	6502.49	317
L	Jul 2017	332	3	88	230	319	6503.83	328
*	Aug 2017	102	2	95	61	156	6496.34	271
	Sep 2017	64	2	71	0	71	6495.07	263
	WY 2017	2317	15	382	1886	2268		
	Oct 2017	63	1	74	0	74	6493.37	251
	Nov 2017	58	1	71	0	71	6491.33	237
	Dec 2017	48	1	74	0	74	6487.28	210
	Jan 2018	45	1	74	0	74	6482.51	181
	Feb 2018	40	1	67	0	67	6477.50	154
	Mar 2018	60	0	89	0	89	6471.32	125
	Apr 2018	88	1	92	9	101	6468.05	111
	May 2018	155	1	97	7	105	6478.79	160
	Jun 2018	300	2	101	77	179	6497.41	280
	Jul 2018	180	3	102	12	114	6505.71	343
	Aug 2018	72	2	74	0	74	6505.19	339
	Sep 2018	46	2	71	0	71	6501.71	312
	WY 2018	1155	15	986	105	1091		
	Oct 2018	49	1	68	0	68	6499.03	292
	Nov 2018	42	1	65	0	65	6495.73	268
	Dec 2018	32	1	68	0	68	6490.50	231
	Jan 2019	30	1	68	0	68	6484.57	193
	Feb 2019	28	1	61	0	61	6478.57	159
	Mar 2019	53	0	85	0	85	6471.68	126
	Apr 2019	85	1	93	4	97	6468.82	114
	May 2019	164	1	96	54	150	6471.79	127
	Jun 2019	299	2	99	56	155	6495.95	269
	Jul 2019	178	3	101	0	101	6505.70	343
	Aug 2019	77	2	90	0	90	6503.71	327

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Sep 2016	36	67	11	107	0	107	129	6026.27	3207	128
	WY 2016	1427	1437	80	1406	203	1609				3435
H	Oct 2016	70	70	7	85	0	85	128	6025.69	3186	119
I	Nov 2016	73	70	4	77	0	77	128	6025.41	3175	112
S	Dec 2016	35	61	2	106	0	106	126	6024.19	3130	136
T	Jan 2017	49	67	2	110	0	110	124	6023.01	3087	149
O	Feb 2017	106	112	2	109	0	109	124	6023.03	3088	189
R	Mar 2017	400	370	3	256	26	282	128	6025.25	3169	408
I	Apr 2017	350	428	5	268	244	511	124	6022.93	3084	745
C	May 2017	582	580	8	278	171	449	129	6026.15	3203	857
A	Jun 2017	895	705	11	263	223	486	137	6031.41	3404	859
L	Jul 2017	387	374	14	180	48	228	142	6034.61	3531	314
*	Aug 2017	120	174	13	143	0	143	143	6035.05	3548	172
	Sep 2017	76	83	12	143	0	143	140	6033.34	3480	153
	WY 2017	3143	3094	81	2018	712	2730				4215
	Oct 2017	80	91	8	148	0	148	137	6031.77	3418	172
	Nov 2017	75	88	4	143	0	143	135	6030.34	3362	174
	Dec 2017	54	80	2	169	0	169	132	6028.05	3274	194
	Jan 2018	64	93	2	172	0	172	129	6025.97	3196	194
	Feb 2018	64	91	2	156	0	156	126	6024.23	3132	178
	Mar 2018	120	149	3	106	0	106	128	6025.27	3170	173
	Apr 2018	145	158	5	101	0	101	130	6026.61	3220	291
	May 2018	225	175	8	174	0	174	129	6026.43	3213	669
	Jun 2018	360	239	10	164	0	164	132	6028.07	3275	614
	Jul 2018	213	147	14	98	0	98	133	6028.95	3309	176
	Aug 2018	85	87	13	98	0	98	132	6028.34	3286	119
	Sep 2018	55	80	11	95	0	95	131	6027.69	3261	110
	WY 2018	1540	1476	80	1624	0	1624				3064
	Oct 2018	59	78	7	98	0	98	130	6026.98	3234	126
	Nov 2018	51	74	3	95	0	95	129	6026.36	3211	125
	Dec 2018	35	71	2	98	0	98	128	6025.60	3182	124
	Jan 2019	40	78	2	98	0	98	127	6025.02	3161	123
	Feb 2019	45	78	2	89	0	89	127	6024.68	3148	117
	Mar 2019	102	135	3	98	0	98	128	6025.55	3180	175
	Apr 2019	134	145	5	95	0	95	130	6026.71	3224	310
	May 2019	245	231	8	159	0	159	132	6028.36	3286	691
	Jun 2019	390	245	11	146	0	146	136	6030.59	3372	566
	Jul 2019	210	133	14	98	0	98	136	6031.12	3392	198
	Aug 2019	89	102	13	98	0	98	136	6030.89	3384	124

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir



Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Sep 2016	6	14	9310.77	71
WY 2016	125	125		
H Oct 2016	5	6	9310.23	70
I Nov 2016	4	5	9309.76	70
S Dec 2016	5	5	9309.56	69
T Jan 2017	6	5	9309.76	70
O Feb 2017	4	5	9309.43	69
R Mar 2017	6	6	9309.23	69
I Apr 2017	13	9	9312.04	73
C May 2017	30	19	9318.55	84
A Jun 2017	62	45	9327.76	102
L Jul 2017	24	26	9326.95	100
* Aug 2017	12	25	9320.31	88
Sep 2017	8	18	9314.49	77
WY 2017	179	173		
Oct 2017	8	8	9314.26	77
Nov 2017	7	6	9314.85	78
Dec 2017	6	6	9314.56	77
Jan 2018	5	6	9313.97	76
Feb 2018	4	6	9312.77	74
Mar 2018	4	6	9311.55	72
Apr 2018	8	8	9311.55	72
May 2018	27	17	9317.45	82
Jun 2018	43	22	9328.60	103
Jul 2018	16	22	9325.55	97
Aug 2018	9	20	9319.69	86
Sep 2018	7	16	9314.56	77
WY 2018	143	143		
Oct 2018	6	8	9313.63	76
Nov 2018	5	6	9313.04	75
Dec 2018	5	6	9312.24	74
Jan 2019	4	6	9311.23	72
Feb 2019	4	6	9309.86	70
Mar 2019	4	6	9308.87	68
Apr 2019	9	6	9310.61	71
May 2019	28	20	9315.60	79
Jun 2019	42	22	9326.32	99
Jul 2019	20	22	9325.36	97
Aug 2019	10	20	9320.20	87

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

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September 2017 24-Month Study

Most Probable Inflow* Blue Mesa Reservoir



	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Sep 2016	38	46	1	100	0	100	7500.48	665
	WY 2016	881	882	9	913	19	934		
H	Oct 2016	32	33	1	90	0	90	7493.44	608
I	Nov 2016	26	27	0	33	0	33	7492.53	601
S	Dec 2016	26	26	0	35	0	35	7491.43	593
T	Jan 2017	29	28	0	34	0	34	7490.68	587
O	Feb 2017	28	29	0	44	1	44	7488.71	571
R	Mar 2017	70	70	0	69	0	70	7488.71	571
I	Apr 2017	145	140	1	53	0	53	7499.55	658
C	May 2017	244	233	1	151	65	293	7491.98	597
A	Jun 2017	392	373	1	139	35	175	7515.35	793
L	Jul 2017	135	137	2	113	0	110	7518.20	819
*	Aug 2017	84	96	1	112	0	112	7516.38	802
	Sep 2017	47	57	1	111	0	111	7510.24	748
	WY 2017	1257	1251	9	983	101	1159		
	Oct 2017	45	45	1	74	0	74	7506.88	719
	Nov 2017	35	34	0	73	0	73	7502.18	679
	Dec 2017	30	31	0	113	0	113	7491.97	597
	Jan 2018	29	30	0	76	0	76	7485.97	550
	Feb 2018	24	26	0	42	0	42	7483.84	534
	Mar 2018	36	38	0	44	0	44	7482.97	528
	Apr 2018	71	71	1	55	0	55	7484.96	543
	May 2018	200	190	1	142	0	142	7491.02	589
	Jun 2018	280	259	1	62	0	62	7514.41	785
	Jul 2018	101	107	2	98	0	98	7515.27	792
	Aug 2018	53	64	1	105	0	105	7510.53	750
	Sep 2018	41	50	1	91	0	91	7505.66	709
	WY 2018	945	945	9	975	0	975		
	Oct 2018	40	42	1	68	0	68	7502.54	682
	Nov 2018	32	33	0	62	0	62	7498.99	653
	Dec 2018	26	27	0	95	0	95	7490.49	585
	Jan 2019	24	26	0	38	0	38	7488.86	572
	Feb 2019	22	25	0	32	0	32	7487.81	564
	Mar 2019	36	38	0	38	0	38	7487.75	564
	Apr 2019	77	74	1	48	0	48	7491.07	590
	May 2019	221	213	1	154	0	154	7498.31	648
	Jun 2019	261	241	1	81	0	81	7516.87	807
	Jul 2019	117	119	2	99	0	99	7518.85	825
	Aug 2019	63	73	1	108	0	108	7514.82	788

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Sep 2016	39	100	1	100	103	0	103	7150.03	109
	WY 2016	931	934	49	983	972	5	978		
H	Oct 2016	33	90	1	91	93	0	93	7146.55	106
I	Nov 2016	28	33	2	36	32	0	35	7147.39	107
S	Dec 2016	27	35	1	36	34	0	34	7150.44	109
T	Jan 2017	30	34	2	36	33	0	33	7153.75	112
O	Feb 2017	29	44	1	45	55	0	55	7140.48	102
R	Mar 2017	74	70	5	74	64	0	68	7148.96	108
I	Apr 2017	157	53	12	66	65	0	65	7149.64	109
C	May 2017	263	293	19	312	203	0	312	7149.70	109
A	Jun 2017	411	175	19	195	184	0	193	7151.34	110
L	Jul 2017	139	110	4	114	37	0	111	7155.13	113
*	Aug 2017	86	112	2	113	0	0	115	7152.58	111
	Sep 2017	48	111	1	112	111	0	111	7153.73	112
	WY 2017	1326	1159	69	1228	912	0	1225		
	Oct 2017	46	74	1	75	75	0	75	7153.73	112
	Nov 2017	36	73	1	74	74	0	74	7153.73	112
	Dec 2017	32	113	2	115	115	0	115	7153.73	112
	Jan 2018	31	76	2	78	78	0	78	7153.73	112
	Feb 2018	26	42	2	44	44	0	44	7153.73	112
	Mar 2018	40	44	4	48	48	0	48	7153.73	112
	Apr 2018	81	55	10	65	65	0	65	7153.73	112
	May 2018	225	142	25	167	167	0	167	7153.73	112
	Jun 2018	300	62	20	82	82	0	82	7153.73	112
	Jul 2018	105	98	4	102	102	0	102	7153.73	112
	Aug 2018	55	105	2	107	107	0	107	7153.73	112
	Sep 2018	43	91	2	93	93	0	93	7153.73	112
	WY 2018	1020	975	75	1050	1050	0	1050		
	Oct 2018	42	68	2	70	70	0	70	7153.73	112
	Nov 2018	34	62	2	64	64	0	64	7153.73	112
	Dec 2018	28	95	2	97	97	0	97	7153.73	112
	Jan 2019	27	38	2	41	41	0	41	7153.73	112
	Feb 2019	25	32	3	35	35	0	35	7153.73	112
	Mar 2019	40	38	4	42	42	0	42	7153.73	112
	Apr 2019	88	48	11	59	59	0	59	7153.73	112
	May 2019	247	154	26	180	180	0	180	7153.73	112
	Jun 2019	281	81	20	101	101	0	101	7153.73	112
	Jul 2019	123	99	6	105	105	0	105	7153.73	112
	Aug 2019	67	108	3	112	112	0	112	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*
Crystal Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
*	Sep 2016	42	103	3	106	106	1	107	6747.05	15	59	47
	WY 2016	1038	978	107	1085	811	243	1084			384	724
H	Oct 2016	37	93	4	97	97	0	97	6747.92	15	57	39
I	Nov 2016	31	35	3	38	37	0	37	6750.47	16	1	36
S	Dec 2016	31	34	4	38	36	1	37	6751.45	17	0	37
T	Jan 2017	35	33	4	37	36	2	37	6750.29	16	1	37
O	Feb 2017	34	55	4	59	56	4	60	6749.56	16	0	60
R	Mar 2017	81	68	6	74	0	73	73	6752.06	17	8	67
I	Apr 2017	167	65	10	75	31	44	75	6751.65	17	39	38
C	May 2017	285	312	22	334	86	73	331	6759.83	19	62	270
A	Jun 2017	446	193	36	229	44	127	231	6751.78	17	61	172
L	Jul 2017	148	111	8	119	96	25	121	6746.24	15	63	60
*	Aug 2017	89	115	3	119	119	0	119	6744.79	15	62	58
	Sep 2017	54	111	6	117	114	0	114	6753.04	17	55	59
	WY 2017	1437	1225	111	1336	751	350	1334			409	933
	Oct 2017	53	75	7	82	82	0	82	6753.04	17	30	52
	Nov 2017	41	74	5	79	79	0	79	6753.04	17	0	79
	Dec 2017	37	115	5	120	120	0	120	6753.04	17	0	120
	Jan 2018	37	78	6	84	84	0	84	6753.04	17	0	84
	Feb 2018	30	44	4	48	48	0	48	6753.04	17	0	48
	Mar 2018	46	48	6	54	54	0	54	6753.04	17	5	49
	Apr 2018	93	65	12	77	77	0	77	6753.04	17	30	47
	May 2018	255	167	30	197	134	63	197	6753.04	17	55	142
	Jun 2018	335	82	35	117	117	0	117	6753.04	17	60	57
	Jul 2018	117	102	12	114	114	0	114	6753.04	17	65	49
	Aug 2018	62	107	7	114	114	0	114	6753.04	17	65	49
	Sep 2018	49	93	6	99	99	0	99	6753.04	17	55	44
	WY 2018	1155	1050	135	1185	1122	63	1185			365	820
	Oct 2018	48	70	6	76	76	0	76	6753.04	17	30	46
	Nov 2018	39	64	5	69	69	0	69	6753.04	17	0	69
	Dec 2018	32	97	5	101	101	0	101	6753.04	17	0	101
	Jan 2019	31	41	5	45	45	0	45	6753.04	17	0	45
	Feb 2019	29	35	4	39	39	0	39	6753.04	17	0	39
	Mar 2019	46	42	6	48	48	0	48	6753.04	17	5	43
	Apr 2019	101	59	12	71	71	0	71	6753.04	17	30	41
	May 2019	281	180	34	214	134	80	214	6753.04	17	55	159
	Jun 2019	315	101	34	134	130	5	134	6753.04	17	60	74
	Jul 2019	138	105	14	120	120	0	120	6753.04	17	65	55
	Aug 2019	75	112	8	120	120	0	120	6753.04	17	65	55

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*
Vallecito Reservoir



	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Sep 2016	14	27	7643.21	71
	WY 2016	269	270		
H	Oct 2016	11	8	7644.63	74
I	Nov 2016	6	2	7646.51	79
S	Dec 2016	6	2	7647.98	82
T	Jan 2017	7	5	7648.89	84
O	Feb 2017	7	15	7645.42	76
R	Mar 2017	24	24	7645.75	77
I	Apr 2017	45	35	7649.82	87
C	May 2017	67	44	7658.86	109
A	Jun 2017	72	57	7664.54	124
L	Jul 2017	30	39	7660.94	115
*	Aug 2017	19	33	7655.15	100
	Sep 2017	14	29	7648.92	84
	WY 2017	309	292		
	Oct 2017	14	17	7647.47	81
	Nov 2017	8	2	7650.04	87
	Dec 2017	7	2	7652.14	92
	Jan 2018	5	2	7653.39	95
	Feb 2018	4	2	7654.28	97
	Mar 2018	7	2	7656.24	102
	Apr 2018	18	2	7662.35	118
	May 2018	60	53	7664.76	125
	Jun 2018	68	67	7664.77	125
	Jul 2018	27	42	7658.99	109
	Aug 2018	17	38	7650.51	88
	Sep 2018	15	30	7644.10	73
	WY 2018	250	258		
	Oct 2018	14	17	7642.64	70
	Nov 2018	8	2	7645.53	76
	Dec 2018	6	2	7647.44	81
	Jan 2019	5	2	7648.91	84
	Feb 2019	5	2	7650.16	87
	Mar 2019	9	2	7652.85	94
	Apr 2019	23	2	7661.15	115
	May 2019	71	61	7664.79	125
	Jun 2019	70	70	7664.66	125
	Jul 2019	29	42	7659.68	111
	Aug 2019	20	38	7652.39	93

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*
Navajo Reservoir



	Date	Mod Unreg Inflow (1000 Ac-Ft)	Azetea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
*	Sep 2016	21	1	33	3	27	30	6056.98	1310	41
	WY 2016	863	96	769	29	169	653			1077
H	Oct 2016	27	0	24	2	5	27	6056.19	1300	46
I	Nov 2016	24	0	19	1	0	22	6055.87	1296	43
S	Dec 2016	25	0	22	1	0	20	6055.92	1297	40
T	Jan 2017	34	0	31	1	0	22	6056.65	1306	39
O	Feb 2017	55	1	62	1	1	27	6059.31	1339	48
R	Mar 2017	176	17	159	2	6	30	6068.54	1460	89
I	Apr 2017	235	33	192	3	19	33	6078.18	1598	137
C	May 2017	262	45	195	4	25	228	6073.94	1536	315
A	Jun 2017	230	46	166	5	40	259	6063.90	1398	458
L	Jul 2017	49	11	47	4	43	38	6061.00	1361	93
*	Aug 2017	29	5	38	4	35	36	6058.07	1323	54
	Sep 2017	28	1	42	3	22	30	6057.02	1310	53
	WY 2017	1174	159	997	28	197	771			1415
	Oct 2017	37	2	38	2	8	23	6057.41	1315	46
	Nov 2017	33	1	26	1	1	21	6057.70	1319	39
	Dec 2017	27	0	22	1	1	22	6057.61	1318	37
	Jan 2018	24	0	21	1	0	22	6057.51	1316	35
	Feb 2018	27	0	25	1	0	19	6057.85	1321	30
	Mar 2018	66	2	58	2	5	22	6060.23	1351	40
	Apr 2018	130	15	99	3	21	21	6064.45	1405	61
	May 2018	255	37	211	4	35	22	6075.29	1555	161
	Jun 2018	195	32	162	5	51	22	6081.02	1640	156
	Jul 2018	44	6	53	5	56	51	6077.01	1580	107
	Aug 2018	35	1	55	4	47	65	6072.75	1519	97
	Sep 2018	32	1	46	3	26	145	6063.35	1391	171
	WY 2018	905	98	814	30	251	453			978
	Oct 2018	39	2	40	2	10	31	6063.20	1389	55
	Nov 2018	31	1	23	1	0	30	6062.63	1382	47
	Dec 2018	25	0	20	1	0	31	6061.79	1371	46
	Jan 2019	22	0	18	1	0	31	6060.78	1358	44
	Feb 2019	30	0	27	1	0	28	6060.66	1356	40
	Mar 2019	92	2	83	2	5	22	6064.87	1411	44
	Apr 2019	170	14	134	3	21	21	6071.48	1501	73
	May 2019	277	37	230	4	36	256	6066.71	1436	403
	Jun 2019	224	32	191	4	52	276	6055.74	1295	428
	Jul 2019	66	6	72	4	57	43	6053.14	1263	111
	Aug 2019	45	1	62	3	48	34	6051.24	1240	72

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Lake Powell



	Date	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry Gage (1000 Ac-Ft)
*	Sep 2016	281	461	50	699	0	699	3610.93	5080	12824	712
	WY 2016	9616	9909	378	9000	0	9000				9117
H	Oct 2016	381	477	35	601	0	601	3609.48	5068	12678	610
I	Nov 2016	383	389	33	624	126	750	3605.81	5039	12313	754
S	Dec 2016	300	366	26	898	0	898	3600.49	4997	11797	913
T	Jan 2017	359	415	8	880	0	880	3595.86	4962	11359	900
O	Feb 2017	555	565	8	711	0	711	3594.33	4951	11217	720
R	Mar 2017	1112	895	14	722	0	722	3595.91	4963	11364	730
I	Apr 2017	1608	1494	23	623	0	623	3604.14	5026	12149	629
C	May 2017	2377	2321	29	652	0	652	3619.09	5147	13667	658
A	Jun 2017	3115	2680	51	749	0	749	3634.89	5286	15408	763
L	Jul 2017	1073	889	64	850	0	850	3634.69	5284	15385	875
*	Aug 2017	446	495	63	900	0	900	3630.88	5250	14952	931
	Sep 2017	360	512	57	663	0	663	3629.16	5234	14759	672
	WY 2017	12069	11499	409	8874	126	9000				9154
	Oct 2017	510	603	39	630	0	630	3628.61	5230	14698	636
	Nov 2017	490	585	38	630	0	630	3627.93	5223	14622	634
	Dec 2017	370	564	30	740	0	740	3626.19	5208	14431	746
	Jan 2018	360	513	9	860	0	860	3623.16	5182	14101	866
	Feb 2018	390	492	10	750	0	750	3620.84	5162	13853	752
	Mar 2018	590	547	17	800	0	800	3618.49	5142	13604	805
	Apr 2018	900	767	26	700	0	700	3618.85	5145	13642	708
	May 2018	1950	1681	32	700	0	700	3627.01	5215	14520	706
	Jun 2018	2600	2096	52	760	0	760	3637.49	5310	15709	766
	Jul 2018	800	751	65	860	0	860	3636.11	5298	15548	875
	Aug 2018	400	543	63	900	0	900	3632.71	5266	15159	914
	Sep 2018	350	580	58	670	0	670	3631.50	5255	15022	679
	WY 2018	9710	9722	438	9000	0	9000				9086
	Oct 2018	464	533	40	640	0	640	3630.30	5245	14886	646
	Nov 2018	450	525	38	640	0	640	3629.03	5233	14744	644
	Dec 2018	363	501	30	720	0	720	3626.95	5215	14514	726
	Jan 2019	361	442	9	860	0	860	3623.32	5183	14118	866
	Feb 2019	393	445	10	750	0	750	3620.60	5160	13827	752
	Mar 2019	665	600	17	800	0	800	3618.70	5144	13626	805
	Apr 2019	1056	874	26	710	0	710	3619.90	5154	13753	718
	May 2019	2343	2241	33	710	0	710	3632.55	5265	15140	716
	Jun 2019	2666	2378	55	750	0	750	3644.97	5381	16598	756
	Jul 2019	1091	1001	68	850	0	850	3645.60	5388	16674	865
	Aug 2019	500	592	68	900	0	900	3642.72	5360	16326	914

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



	Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Sep 2016	699	88	57	702	11.8	22	701	625	1075.23	9620
	WY 2016	9000	798	531	9293		224	9282			
H	Oct 2016	601	78	42	518	8.4	23	517	631	1076.34	9710
I	Nov 2016	750	77	42	751	12.6	16	750	632	1076.55	9727
S	Dec 2016	898	63	36	542	8.8	8	536	655	1080.82	10079
T	Jan 2017	880	128	30	500	8.1	7	494	684	1086.08	10521
O	Feb 2017	711	150	28	488	8.8	7	487	704	1089.78	10838
R	Mar 2017	722	97	32	911	14.8	16	910	696	1088.26	10707
I	Apr 2017	623	92	39	961	16.1	20	960	677	1084.89	10420
C	May 2017	652	39	44	917	14.9	29	915	659	1081.56	10141
A	Jun 2017	749	17	53	864	14.5	29	864	648	1079.52	9971
L	Jul 2017	850	88	66	885	14.4	30	885	646	1079.03	9931
*	Aug 2017	900	94	70	683	11.1	27	683	658	1081.44	10131
	Sep 2017	663	110	58	660	11.1	29	660	660	1081.73	10155
	WY 2017	9000	1033	541	8681		241	8660			
	Oct 2017	630	71	42	677	11.0	24	677	657	1081.25	10115
	Nov 2017	630	65	42	654	11.0	16	654	656	1081.05	10098
	Dec 2017	740	51	37	590	9.6	13	590	666	1082.75	10240
	Jan 2018	860	64	30	712	11.6	10	712	676	1084.65	10400
	Feb 2018	750	72	28	609	11.0	12	609	687	1086.57	10563
	Mar 2018	800	46	31	1036	16.9	20	1036	672	1083.89	10336
	Apr 2018	700	39	38	1092	18.4	27	1092	646	1079.18	9943
	May 2018	700	26	43	966	15.7	32	966	627	1075.57	9647
	Jun 2018	760	10	52	866	14.5	33	866	616	1073.48	9478
	Jul 2018	860	77	65	828	13.5	36	828	617	1073.59	9487
	Aug 2018	900	127	69	770	12.5	34	770	626	1075.37	9631
	Sep 2018	670	110	57	697	11.7	31	697	626	1075.32	9627
	WY 2018	9000	757	535	9497		287	9497			
	Oct 2018	640	71	42	489	8.0	26	489	635	1077.10	9772
	Nov 2018	640	65	42	632	10.6	18	632	636	1077.25	9784
	Dec 2018	720	51	36	587	9.6	14	587	644	1078.77	9909
	Jan 2019	860	64	30	716	11.7	10	716	654	1080.66	10066
	Feb 2019	750	72	28	610	11.0	12	610	665	1082.61	10228
	Mar 2019	800	46	31	1042	16.9	20	1042	650	1079.82	9996
	Apr 2019	710	39	38	1097	18.4	27	1097	625	1075.10	9609
	May 2019	710	26	43	973	15.8	32	973	606	1071.47	9317
	Jun 2019	750	10	51	873	14.7	33	873	594	1069.15	9132
	Jul 2019	850	77	63	834	13.6	36	834	593	1069.08	9126
	Aug 2019	900	127	68	778	12.7	34	778	602	1070.82	9265

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave



	Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Sep 2016	702	-18	18	711	0	711	11.9	640.34	1627
	WY 2016	9293	-195	198	8879	0	8879			
H	Oct 2016	518	-7	15	640	0	640	10.4	634.86	1482
I	Nov 2016	751	-29	11	574	0	574	9.6	640.09	1620
S	Dec 2016	542	-17	9	482	0	482	7.8	641.31	1653
T	Jan 2017	500	-23	10	408	0	408	6.6	643.47	1712
O	Feb 2017	488	-13	10	486	0	486	8.7	642.70	1690
R	Mar 2017	911	-27	13	844	0	844	13.7	643.70	1718
I	Apr 2017	961	-23	17	955	0	955	16.1	642.45	1684
C	May 2017	917	-13	22	846	0	846	13.8	643.74	1719
A	Jun 2017	864	-6	25	853	0	853	14.3	643.01	1699
L	Jul 2017	885	-5	26	809	0	809	13.2	644.65	1744
*	Aug 2017	683	-8	23	707	0	707	11.5	642.64	1689
	Sep 2017	660	-11	18	715	0	715	12.0	639.51	1604
	WY 2017	8681	-184	199	8320	0	8320			
	Oct 2017	677	-4	15	724	0	724	11.8	637.00	1538
	Nov 2017	654	-11	10	632	0	632	10.6	637.00	1538
	Dec 2017	590	-10	9	526	0	526	8.6	638.71	1583
	Jan 2018	712	-19	10	601	0	601	9.8	641.80	1666
	Feb 2018	609	-16	10	583	0	583	10.5	641.80	1666
	Mar 2018	1036	-16	13	973	0	973	15.8	643.05	1700
	Apr 2018	1092	-20	17	1057	0	1057	17.8	643.00	1699
	May 2018	966	-13	22	931	0	931	15.1	643.00	1699
	Jun 2018	866	-18	25	850	0	850	14.3	642.00	1671
	Jul 2018	828	-16	25	800	0	800	13.0	641.50	1658
	Aug 2018	770	-12	23	735	0	735	12.0	641.50	1658
	Sep 2018	697	-11	18	708	0	708	11.9	640.01	1617
	WY 2018	9497	-166	197	9119	0	9119			
	Oct 2018	489	-4	15	653	0	653	10.6	633.00	1434
	Nov 2018	632	-11	10	560	0	560	9.4	635.00	1486
	Dec 2018	587	-10	9	471	0	471	7.7	638.71	1583
	Jan 2019	716	-19	10	605	0	605	9.8	641.80	1666
	Feb 2019	610	-16	10	585	0	585	10.5	641.80	1666
	Mar 2019	1042	-16	13	978	0	978	15.9	643.05	1700
	Apr 2019	1097	-20	17	1062	0	1062	17.8	643.00	1699
	May 2019	973	-13	22	938	0	938	15.3	643.00	1699
	Jun 2019	873	-18	25	857	0	857	14.4	642.00	1671
	Jul 2019	834	-16	25	807	0	807	13.1	641.50	1658
	Aug 2019	778	-12	23	743	0	743	12.1	641.50	1658

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu



	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Sep 2016	711	14	15	490	8.2	89	134	447.97	579	92	1.5
	WY 2016	8879	225	140	6360		1057	1467			1496	
H	Oct 2016	640	36	12	466	7.6	80	133	446.90	559	61	1.0
I	Nov 2016	574	21	9	374	6.3	78	140	446.33	549	97	1.6
S	Dec 2016	482	26	7	271	4.4	86	118	447.64	573	112	1.8
T	Jan 2017	408	33	6	244	4.0	68	126	447.29	567	126	2.1
O	Feb 2017	486	14	8	393	7.1	13	62	448.30	586	160	2.9
R	Mar 2017	844	11	9	687	11.2	24	136	447.83	577	203	3.3
I	Apr 2017	955	13	11	729	12.3	42	160	448.73	594	181	3.0
C	May 2017	846	22	13	634	10.3	44	175	448.31	586	111	1.8
A	Jun 2017	853	0	15	689	11.6	58	79	448.41	588	126	2.1
L	Jul 2017	809	18	17	666	10.8	58	71	448.63	592	131	2.1
*	Aug 2017	707	12	17	570	9.3	58	70	448.28	585	102	1.7
	Sep 2017	715	20	15	534	9.0	56	136	447.50	571	89	1.5
	WY 2017	8320	226	140	6257		665	1408			1499	
	Oct 2017	724	28	12	496	8.1	115	131	447.00	561	69	1.1
	Nov 2017	632	19	9	393	6.6	111	123	447.50	570	102	1.7
	Dec 2017	526	19	7	316	5.1	115	122	446.50	552	109	1.8
	Jan 2018	601	17	6	361	5.9	90	157	446.50	552	138	2.2
	Feb 2018	583	10	8	482	8.7	24	73	446.50	552	160	2.9
	Mar 2018	973	7	9	717	11.7	90	152	446.70	555	198	3.2
	Apr 2018	1057	19	11	745	12.5	88	183	448.70	593	175	2.9
	May 2018	931	15	13	643	10.5	90	188	448.70	593	104	1.7
	Jun 2018	850	15	16	676	11.4	88	73	448.70	593	105	1.8
	Jul 2018	800	26	17	646	10.5	90	73	448.00	580	111	1.8
	Aug 2018	735	25	17	579	9.4	90	73	447.50	571	100	1.6
	Sep 2018	708	20	15	515	8.7	32	157	447.50	570	89	1.5
	WY 2018	9119	220	139	6569		1022	1505			1461	
	Oct 2018	653	28	12	489	8.0	26	146	447.50	571	74	1.2
	Nov 2018	560	19	9	392	6.6	25	146	447.50	571	116	1.9
	Dec 2018	471	19	7	325	5.3	26	146	446.50	552	131	2.1
	Jan 2019	605	17	6	359	5.8	95	157	446.50	552	138	2.2
	Feb 2019	585	10	8	481	8.7	26	73	446.50	552	160	2.9
	Mar 2019	978	7	9	717	11.7	95	152	446.70	555	198	3.2
	Apr 2019	1062	19	11	745	12.5	93	183	448.70	593	175	2.9
	May 2019	938	15	13	645	10.5	95	188	448.70	593	104	1.7
	Jun 2019	857	15	16	678	11.4	93	73	448.70	593	105	1.8
	Jul 2019	807	26	17	648	10.5	95	73	448.00	580	111	1.8
	Aug 2019	743	25	17	582	9.5	95	73	447.50	571	100	1.6

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Sep 2016	702	11.8	1075.23	9620	5	429.97	1539.0	266.3	100	379.1
	WY 2016	9293						3596.9			
H	Oct 2016	518	8.4	1076.34	9710	90	438.10	1335.0	195.2	87	377.1
I	Nov 2016	751	12.6	1076.55	9727	17	427.42	1072.0	290.6	80	386.7
S	Dec 2016	542	8.8	1080.82	10079	352	438.26	1103.0	207.3	71	382.3
T	Jan 2017	500	8.1	1086.08	10521	442	442.12	857.0	192.4	55	384.9
O	Feb 2017	488	8.8	1089.78	10838	317	446.75	938.0	190.4	58	390.4
R	Mar 2017	911	14.8	1088.26	10707	-131	440.44	1291.1	362.0	79	397.2
I	Apr 2017	961	16.1	1084.89	10420	-287	439.75	1227.0	381.0	76	396.5
C	May 2017	917	14.9	1081.56	10141	-280	434.83	1307.0	360.6	80	393.4
A	Jun 2017	864	14.5	1079.52	9971	-169	433.52	1500.0	335.0	94	387.5
L	Jul 2017	885	14.4	1079.03	9931	-40	432.24	1499.0	341.1	94	385.5
*	Aug 2017	683	11.1	1081.44	10131	200	436.25	1478.1	261.0	93	382.0
	Sep 2017	660	11.1	1081.73	10155	24	429.35	1581.0	252.7	100	382.6
	WY 2017	8681						3369.1			
	Oct 2017	677	11.0	1081.25	10115	-40	435.22	978.9	266.7	61	394.1
	Nov 2017	654	11.0	1081.05	10098	-16	436.34	884.0	259.5	56	397.0
	Dec 2017	590	9.6	1082.75	10240	142	436.94	829.0	234.5	52	397.2
	Jan 2018	712	11.6	1084.65	10400	160	436.53	929.0	284.4	58	399.2
	Feb 2018	609	11.0	1086.57	10563	163	435.56	1216.0	237.8	75	390.7
	Mar 2018	1036	16.9	1083.89	10336	-227	434.03	1314.0	408.9	82	394.5
	Apr 2018	1092	18.4	1079.18	9943	-393	429.98	1290.1	431.8	82	395.4
	May 2018	966	15.7	1075.57	9647	-296	424.49	1476.1	372.7	95	385.8
	Jun 2018	866	14.5	1073.48	9478	-169	421.42	1548.0	327.7	100	378.6
	Jul 2018	828	13.5	1073.59	9487	9	420.93	1548.0	317.3	100	383.4
	Aug 2018	770	12.5	1075.37	9631	145	422.03	1559.0	294.0	100	381.6
	Sep 2018	697	11.7	1075.32	9627	-4	423.37	1558.0	264.8	100	380.0
	WY 2018	9497						3700.0			
	Oct 2018	489	8.0	1077.10	9772	145	428.42	1263.0	189.5	81	387.5
	Nov 2018	632	10.6	1077.25	9784	12	431.66	1264.0	243.5	81	384.9
	Dec 2018	587	9.6	1078.77	9909	125	431.33	1168.0	227.2	74	386.9
	Jan 2019	716	11.7	1080.66	10066	157	432.64	904.9	284.0	57	396.3
	Feb 2019	610	11.0	1082.61	10228	162	430.92	1297.9	235.4	81	385.9
	Mar 2019	1042	16.9	1079.82	9996	-232	429.37	1392.7	405.0	88	388.8
	Apr 2019	1097	18.4	1075.10	9609	-387	425.36	1353.5	427.6	87	389.7
	May 2019	973	15.8	1071.47	9317	-292	419.87	1534.2	370.7	100	381.0
	Jun 2019	873	14.7	1069.15	9132	-185	417.25	1521.2	327.5	100	375.2
	Jul 2019	834	13.6	1069.08	9126	-6	416.55	1520.7	316.7	100	379.6
	Aug 2019	778	12.7	1070.82	9265	139	417.54	1530.4	294.0	100	378.0

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave



	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Sep 2016	711	11.9	640.34	1627	-45	138.91	255.0	90.5	100	127.3
	WY 2016	8879							1129.0		
H	Oct 2016	640	10.4	634.86	1482	-144	135.70	201.5	79.3	79	123.8
I	Nov 2016	574	9.6	640.09	1620	138	140.91	170.9	71.1	67	123.8
S	Dec 2016	482	7.8	641.31	1653	33	138.48	168.3	61.4	66	127.3
T	Jan 2017	408	6.6	643.47	1712	59	143.95	164.5	54.6	65	133.8
O	Feb 2017	486	8.7	642.70	1690	-21	141.54	162.1	63.8	64	131.4
R	Mar 2017	844	13.7	643.70	1718	28	141.08	194.1	109.6	76	129.9
I	Apr 2017	955	16.1	642.45	1684	-34	138.31	204.0	131.0	80	137.2
C	May 2017	846	13.8	643.74	1719	35	142.74	232.0	108.4	91	128.1
A	Jun 2017	853	14.3	643.01	1699	-20	141.59	255.0	107.4	100	126.0
L	Jul 2017	809	13.2	644.65	1744	45	143.65	255.0	101.5	100	125.5
*	Aug 2017	707	11.5	642.64	1689	-55	143.10	255.0	89.9	100	127.1
	Sep 2017	715	12.0	639.51	1604	-85	134.02	255.0	89.1	100	124.5
	WY 2017	8320							1067.2		
	Oct 2017	724	11.8	637.00	1538	-66	133.27	181.0	88.4	71	122.1
	Nov 2017	632	10.6	637.00	1538	0	132.33	170.0	76.7	67	121.4
	Dec 2017	526	8.6	638.71	1583	45	133.30	167.8	64.7	66	122.9
	Jan 2018	601	9.8	641.80	1666	83	134.62	204.0	74.8	80	124.6
	Feb 2018	583	10.5	641.80	1666	0	136.73	187.6	73.3	74	125.7
	Mar 2018	973	15.8	643.05	1700	34	137.26	190.8	121.1	75	124.5
	Apr 2018	1057	17.8	643.00	1699	-2	136.07	255.0	131.5	100	124.5
	May 2018	931	15.1	643.00	1699	0	136.04	255.0	116.6	100	125.2
	Jun 2018	850	14.3	642.00	1671	-27	135.51	255.0	106.3	100	125.1
	Jul 2018	800	13.0	641.50	1658	-14	134.73	255.0	99.8	100	124.8
	Aug 2018	735	12.0	641.50	1658	0	134.46	255.0	91.9	100	124.9
	Sep 2018	708	11.9	640.01	1617	-40	133.68	255.0	88.0	100	124.3
	WY 2018	9119							1133.1		
	Oct 2018	653	10.6	633.00	1434	-183	130.74	202.3	79.0	79	120.9
	Nov 2018	560	9.4	635.00	1486	51	129.19	170.0	66.7	67	119.1
	Dec 2018	471	7.7	638.71	1583	97	132.25	167.8	57.7	66	122.4
	Jan 2019	605	9.8	641.80	1666	83	134.43	210.6	75.3	83	124.6
	Feb 2019	585	10.5	641.80	1666	0	136.73	187.6	73.5	74	125.7
	Mar 2019	978	15.9	643.05	1700	34	137.26	190.8	121.7	75	124.5
	Apr 2019	1062	17.8	643.00	1699	-2	136.07	255.0	132.1	100	124.5
	May 2019	938	15.3	643.00	1699	0	136.04	255.0	117.5	100	125.2
	Jun 2019	857	14.4	642.00	1671	-27	135.51	255.0	107.1	100	125.0
	Jul 2019	807	13.1	641.50	1658	-14	134.73	255.0	100.6	100	124.8
	Aug 2019	743	12.1	641.50	1658	0	134.46	255.0	92.8	100	124.9

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu



	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Sep 2016	490	8.2	447.97	579	-10	82.24	120.0	34.7	100	70.9
	WY 2016	6345							447.6		
H	Oct 2016	466	7.6	446.90	559	-20	78.88	93.6	32.8	78	70.5
I	Nov 2016	374	6.3	446.33	549	-11	80.55	90.0	26.0	75	69.6
S	Dec 2016	271	4.4	447.64	573	24	83.20	117.6	17.9	98	65.9
T	Jan 2017	244	4.0	447.29	567	-6	81.95	93.9	16.2	78	66.5
O	Feb 2017	393	7.1	448.30	586	19	82.67	90.0	27.9	75	71.0
R	Mar 2017	687	11.2	447.83	577	-9	79.98	90.0	48.8	75	71.1
I	Apr 2017	729	12.3	448.73	594	17	80.51	120.0	51.3	100	70.3
C	May 2017	634	10.3	448.31	586	-8	82.36	120.0	44.8	100	70.6
A	Jun 2017	689	11.6	448.41	588	2	80.56	120.0	48.1	100	69.9
L	Jul 2017	666	10.8	448.63	592	4	82.74	120.0	46.5	100	69.9
*	Aug 2017	570	9.3	448.28	585	-7	82.37	120.0	39.9	100	70.0
	Sep 2017	534	9.0	447.50	571	-15	75.26	120.0	34.9	100	65.4
	WY 2017	6257							435.3		
	Oct 2017	496	8.1	447.00	561	-9	75.90	92.9	32.6	77	65.8
	Nov 2017	393	6.6	447.50	570	9	75.69	97.0	25.5	81	65.0
	Dec 2017	316	5.1	446.50	552	-19	74.40	120.0	19.9	100	63.0
	Jan 2018	361	5.9	446.50	552	0	74.88	98.7	23.1	82	64.0
	Feb 2018	482	8.7	446.50	552	0	75.04	95.4	31.5	79	65.4
	Mar 2018	717	11.7	446.70	555	4	74.01	120.0	46.6	100	65.0
	Apr 2018	745	12.5	448.70	593	38	75.08	120.0	49.1	100	65.9
	May 2018	643	10.5	448.70	593	0	76.05	120.0	42.7	100	66.3
	Jun 2018	676	11.4	448.70	593	0	76.05	120.0	44.9	100	66.5
	Jul 2018	646	10.5	448.00	580	-13	75.71	120.0	42.7	100	66.1
	Aug 2018	579	9.4	447.50	571	-9	75.13	120.0	37.9	100	65.4
	Sep 2018	515	8.7	447.50	570	0	74.89	120.0	33.5	100	65.0
	WY 2018	6569							429.9		
	Oct 2018	489	8.0	447.50	571	0	75.85	98.7	32.1	82	65.7
	Nov 2018	392	6.6	447.50	571	0	75.83	99.0	25.5	83	65.0
	Dec 2018	325	5.3	446.50	552	-19	74.40	120.0	20.5	100	63.1
	Jan 2019	359	5.8	446.50	552	0	75.02	95.8	23.0	80	64.1
	Feb 2019	481	8.7	446.50	552	0	75.21	92.1	31.5	77	65.5
	Mar 2019	717	11.7	446.70	555	4	74.05	119.0	46.6	99	65.0
	Apr 2019	745	12.5	448.70	593	38	75.08	120.0	49.1	100	65.9
	May 2019	645	10.5	448.70	593	0	76.05	120.0	42.8	100	66.3
	Jun 2019	678	11.4	448.70	593	0	76.05	120.0	45.1	100	66.5
	Jul 2019	648	10.5	448.00	580	-13	75.71	120.0	42.8	100	66.1
	Aug 2019	582	9.5	447.50	571	-9	75.13	120.0	38.0	100	65.4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 24-Month Study

Most Probable Inflow*

Upper Basin Power



Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
* Sep 2016	315	42	30	36	20	3
Summer 2016	2111	276	166	218	116	34
H Oct 2016	269	33	26	33	19	0
I Nov 2016	277	30	9	11	6	0
S Dec 2016	395	41	10	11	6	0
T Jan 2017	385	43	10	11	5	0
O Feb 2017	307	43	13	19	10	0
R Mar 2017	312	97	19	22	0	0
Winter 2017	1945	289	87	107	46	0
I Apr 2017	270	102	15	22	6	0
C May 2017	291	105	43	72	17	4
A Jun 2017	346	102	40	66	8	6
L Jul 2017	399	71	35	13	18	8
* Aug 2017	421	56	34	0	22	9
Sep 2017	279	53	35	40	19	6
Summer 2017	2006	488	202	213	91	33
Oct 2017	264	54	23	27	14	6
Nov 2017	264	53	22	27	14	6
Dec 2017	309	62	34	41	21	6
Jan 2018	358	63	22	28	15	6
Feb 2018	311	57	12	16	8	5
Mar 2018	330	39	13	17	9	6
Winter 2018	1837	327	126	156	81	36
Apr 2018	288	37	16	24	13	6
May 2018	290	64	42	60	23	7
Jun 2018	321	60	19	30	20	8
Jul 2018	366	36	31	37	20	10
Aug 2018	381	36	33	38	20	7
Sep 2018	283	35	28	33	17	7
Summer 2018	1929	267	168	222	113	44
Oct 2018	269	36	21	25	13	6
Nov 2018	269	35	19	23	12	6
Dec 2018	301	36	28	35	18	6
Jan 2019	358	36	11	15	8	6
Feb 2019	310	32	10	13	7	5
Mar 2019	330	36	11	15	8	6
Winter 2019	1198	142	79	98	50	23
Apr 2019	293	35	14	21	12	6
May 2019	296	58	46	65	23	6
Jun 2019	320	53	25	36	22	8
Jul 2019	368	36	31	38	21	9
Aug 2019	388	36	34	40	21	9

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2017 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 ****								**** CREDITABLE SPACE ****											
Sep 2017	274	27	373	9370	10044	17246	27290	274	27	373	674	9370	17246	27290	2270	660	0	33.1	
Oct 2017	351	82	386	9563	10381	17222	27603	351	82	386	819	9563	17222	27603	3040	677	0	32.8	
Nov 2017	425	111	381	9624	10540	17262	27803	425	111	381	916	9624	17262	27803	3810	654	0	32.6	
Dec 2017	495	150	377	9700	10722	17279	28001	495	150	377	1022	9700	17279	28001	4580	590	0	32.4	
Jan 2018	609	233	378	9891	11111	17137	28248	609	233	378	1220	9891	17137	28248	5350	712	0	32.2	
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****											
Jan 2018	609	233	378	9891	11111	17137	28248	220	221	378	819	9891	17137	27848	5350	712	0	32.2	
Feb 2018	717	279	380	10221	11596	16977	28573	328	268	380	976	10221	16977	28174	1500	609	0	32.0	
Mar 2018	808	295	375	10469	11948	16814	28762	420	286	375	1081	10469	16814	28364	1500	1036	0	31.6	
Apr 2018	799	302	345	10718	12165	17041	29206	406	294	345	1045	10718	17041	28805	1500	1092	0	31.4	
May 2018	763	287	291	10680	12020	17434	29454	362	279	291	931	10680	17434	29045	1500	966	0	32.2	
Jun 2018	720	240	141	9802	10903	17730	28633	311	221	141	673	9802	17730	28204	1500	866	0	33.7	
Jul 2018	539	45	56	8613	9253	17899	27152	115	3	1	119	8613	17899	26632	1500	828	0	33.5	
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****											
Aug 2018	442	37	116	8774	9368	17890	27259	442	37	116	595	8774	17890	27259	1500	770	0	33.1	
Sep 2018	469	79	177	9163	9888	17746	27634	469	79	177	725	9163	17746	27634	2270	697	0	32.7	
Oct 2018	521	121	305	9300	10247	17750	27997	521	121	305	947	9300	17750	27997	3040	489	0	32.5	
Nov 2018	568	147	307	9436	10458	17605	28063	568	147	307	1022	9436	17605	28063	3810	632	0	32.3	
Dec 2018	616	176	314	9578	10684	17593	28277	616	176	314	1106	9578	17593	28277	4580	587	0	32.1	
Jan 2019	680	244	325	9808	11058	17468	28526	680	244	325	1250	9808	17468	28526	5350	716	0	31.9	
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****											
Jan 2019	680	244	325	9808	11058	17468	28526	382	244	80	707	9808	17468	27983	5350	716	0	31.9	
Feb 2019	740	257	338	10204	11539	17311	28850	440	257	93	790	10204	17311	28305	1500	610	0	31.7	
Mar 2019	786	265	340	10495	11887	17149	29036	484	265	93	843	10495	17149	28487	1500	1042	0	31.4	
Apr 2019	787	266	285	10696	12034	17381	29414	480	266	32	778	10696	17381	28854	1500	1097	0	31.3	
May 2019	756	240	195	10569	11760	17768	29528	442	240	-82	600	10569	17768	28937	1500	973	0	32.5	
Jun 2019	681	182	260	9182	10305	18060	28365	356	182	-56	482	9182	18060	27724	1500	873	0	34.0	
Jul 2019	453	23	401	7724	8602	18245	26847	112	18	29	159	7724	18245	26128	1500	834	0	34.1	
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****											
Aug 2019	358	5	433	7648	8444	18251	26695	358	5	433	796	7648	18251	26695	1500	778	0	33.8	

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