

September 24-Month Study
Date: September 14, 2018

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 (%)	Sep 13, Midnight Elevation (feet)	Sep 13, Midnight Reservoir Storage (acre-feet)
Fontenelle	50,000	66	6,497.99	283,000
Flaming Gorge	42,000	47	6,031.91	3,323,000
Blue Mesa	19,000	29	7,448.74	306,000
Navajo	-7,000	-	6,024.88	958,000
Powell	11,000	2	3,595.10	11,289,000

Expected Operations

The operation of Lake Powell and Lake Mead in this September 2018 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 2018 Annual Operating Plan (AOP) and draft 2019 AOP. Pursuant to the Interim Guidelines, the August 2017 24-Month Study projections of the January 1, 2018, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2018.

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell operational tier for water year 2018 is the Upper Elevation Balancing Tier. With an 8.23 million acre-foot (maf) release from Lake Powell in water year 2018, the April 2018 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 2018. 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 2018.

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 August 2018 24-Month Study projects the January 1, 2019 Lake Powell elevation to be below the 2019 Equalization Elevation of 3,655 feet and above elevation 3,575 feet. Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2019 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 2019. 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 2019.

The August 2018 24-Month Study projects the January 1, 2019 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 2019. The 2019 operational tier determinations will be documented in the 2019 AOP, which is currently in development.

The Interim Guidelines are available for download at:

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

The 2018 AOP is available for download at:

<https://www.usbr.gov/lc/region/g4000/aop/AOP18.pdf>

The 2019 AOP Third Consultation draft is available for download at:

https://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP19_Third_Consultation_draft.pdf

Fontenelle Reservoir – Fontenelle Reservoir is currently at elevation 6498.50 feet, which amounts to 83 percent of live storage capacity. Inflows for the month of August totaled 50,100 acre-feet (af), or 66 percent of average. Average inflows are occurring and releases are being adjusted to maintain capacity in the reservoir. Releases as of September 10, 2018 are 1,125 cubic feet per second (cfs).

The Colorado Basin River Forecast Center has forecasted inflows that are at or near average. September, October, and November forecasted inflow volumes are 43,000 af (94 percent of average), 47,000 af (97 percent of average), and 47,000 af (112 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for 10:00 a.m., April 24, 2019. The meeting will be held at the Seedskafee 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 – Daily average releases as of September 10, 2018 are 2,000 cfs with fluctuations for hydropower occurring each day. Releases will likely remain at this daily average rate through the end of September.

Unregulated inflow into Flaming Gorge Reservoir during the month of August was 42,000 af which was 77 percent of average. The current reservoir elevation is 6,032.10 feet (92 percent of live capacity) and is decreasing.

The September final forecast for inflows for the next three months projects at or below average conditions with September, October, and November forecasted inflow volumes of 43,000 af (78 percent of average), 49,000 af (83 percent of average), and 53,000 af (104 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 Jed Parker at 801-524-3816.

Reclamation will be holding the Flaming Gorge Working Group meeting on Thursday, March 14, 2019 at 10:00 a.m. at the Uintah Conference Center, 313 E 200 S, Vernal, Utah.

Aspinall Unit Reservoirs – As of September 12, 2018 releases from Crystal Dam are approximately 1,450 cfs. The Uncompahgre Valley Water Users Association is diverting approximately 1,000 cfs through the Gunnison Tunnel and flows through the Black Canyon are approximately 500 cfs. There is about a 50 cfs gain to the Gunnison River between Crystal Dam and the Gunnison Tunnel Diversion. As of September 12, 2018, Blue Mesa Reservoir elevation is 7448.99 feet which corresponds to storage content of 306,938 af (37 percent of capacity).

The August unregulated inflow to Blue Mesa Reservoir was 18,571 af (19 percent of average). Unregulated Inflows to Blue Mesa for the next three months (September, October and November) are projected to be: 19,000 af (50 percent of average), 20,000 af (52 percent of average) and 19,000 af (61 percent of average), respectively. For water year 2018, the unregulated inflow volume is forecasted to be 440,000 af (46 percent of average) with 238,000 af (35 percent of average) of unregulated inflow occurring during the April through July period. The September 24-Month Study is reflective of this new forecast. Conditions are clearly very dry and Blue Mesa Reservoir will not fill this year. Current projections indicate Blue Mesa storage will continue to decrease through the rest of water year 2018 ending on September 30, 2018 with a projected elevation and storage of 7444.7 feet and 284,000 af (34 percent of capacity), respectively.

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 17, 2019 at 1:00 pm at the Holiday Inn Express located in Montrose, Colorado.

Navajo Reservoir – As of September 6, 2018, releases from Navajo Dam are 750 cfs and the inflow to Navajo Reservoir is 73 cfs. The Navajo Indian Irrigation Project (NIIP) is diverting 734 cfs from Navajo Reservoir. The reservoir elevation is 6026.7 feet which corresponds to a live storage of 0.976 maf (57 percent of capacity). This elevation also corresponds to an active storage of 0.314 maf (30 percent of capacity). The river flow measured at the San Juan River at Four Corners USGS gage is 560 cfs. River flow at the Animas River at Farmington USGS gage is at 16 cfs.

Releases from Navajo Dam are made for the authorized purposes of the Navajo Unit, and pursuant to the 2006 Record of Decision, 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 (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.

Modified unregulated inflow into Navajo (inflow adjusted for upstream change in storage, reservoir evaporation and exportation from the basin) in August was -6,552 af. For the month of August, this value falls within the bottom 5 percent of all historical modified unregulated inflows to Navajo Reservoir. In dry years during irrigation season, the modified-unregulated inflow to Navajo Reservoir may calculate to a negative value when observed inflow value to Navajo Reservoir is small and the concurrent change in storage value at Vallecito Reservoir is large as has been the case on many days this summer. The modified unregulated inflow during the April through July period was 156,959 af, which was 21 percent of average.

The projected modified unregulated inflow volumes for Navajo Reservoir over the next three months (September, October, and November) are projected to be: 5,000 af (12 percent of average), 10,000 af (21 percent of average), and 10,000 af (30 percent of average), respectively.

Releases for the fall and winter will be made to maintain the minimum target baseflow in the critical habitat reach and will decrease as irrigation in the basin decreases. When conditions allow, the release will be reduced to as low as the minimum release of 250 cfs, so long as the target baseflow downstream is still met.

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 Tuesday, January 29th, 2018, at 1:00 p.m. at the Farmington Civic Center, Farmington, NM.

Glen Canyon Dam / Lake Powell

Current Status

The Department of the Interior is exploring the possibility of a High Flow Experiment from Glen Canyon Dam to be conducted in November 2018. High Flow Experiments (HFE) below Glen Canyon Dam are driven by weather, sediment inputs, and other resource conditions, in accordance with the Long-Term Experimental and Management Plan (LTEMP).

When sediment conditions during the summer and fall meet specific thresholds as described in the LTEMP, a fall HFE can occur. Fall HFEs can be scheduled to occur anytime during the months of October and November; however, under the LTEMP, HFEs have historically always occurred in November. Our best preliminary data and model runs indicate we now have enough sediment input from the Paria River for an HFE to occur at Glen Canyon Dam. The HFE Technical Team will be meeting to begin planning for a possible HFE and reviewing the status of resources and potential resource impacts.

The HFE will likely begin on November 5, 2018. The duration of the HFE is dependent upon further data collection, modeling, and analysis prior to the end of October. A final determination on the timing, magnitude and duration of a potential fall 2018 HFE will likely be made in mid- to late-October.

The April to July 2018 unregulated inflow to Lake Powell was 2.6 maf (36 percent of average). The unregulated inflow in August was 11.2 thousand acre-feet (kaf) (2 percent of average). This is the second lowest unregulated inflow to occur in August. The lowest occurred in August 2002 when the volume was negative 50 kaf. The release volume from Glen Canyon Dam in August was 900 kaf. The end of August elevation and storage of Lake Powell were 3,597 feet (103 feet from full pool) and 11.2 maf (47 percent of capacity), respectively.

Current Operations

The operating tier for water year 2018 was established in August 2017 as the Upper Elevation Balancing Tier. The April 2018 24-Month Study established that Lake Powell operations would be governed by balancing for the remainder of water year 2018. As described in the Interim Guidelines, under balancing, the contents of Lake Powell and

Lake Mead are to be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf is to be released from Lake Powell. Based on the most probable inflow forecast, the September 24-Month Study projects a balancing release of 9.0 maf for water year 2018. Reclamation will schedule operations at Glen Canyon Dam to achieve as practicably as possible the appropriate total annual release volume by September 30, 2018.

The operating tier for water year 2019, established by the August 2018 24-Month Study, is the Upper Elevation Balancing Tier. Under this Tier the initial annual water year release volume is 8.23 maf but there is potential for an April 2019 adjustment to equalization or balancing releases. Based on the current forecast, an April adjustment to balancing releases is projected and Lake Powell is currently projected to release 9.0 maf in water year 2019. This projection will be updated each month throughout the water year.

In September, the release volume will be approximately 671 kaf, with fluctuations anticipated between about 7,600 cfs in the nighttime to about 13,640 cfs in the daytime and consistent with the Glen Canyon Dam, Record of Decision on LTEMP (December 2016). The anticipated release volume for October is 625 kaf with daily fluctuations between approximately 7,070 cfs and 12,700 cfs. The expected release for November is 625 kaf, unless an HFE is implemented. Once the timing, magnitude and duration of an HFE has been determined, a release volume will be available.

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 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 power system emergencies. Depending on the severity of the system emergency, the response from Glen Canyon Dam can be significant and 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 2019 unregulated inflow to Lake Powell, issued on August 1, 2018, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume next year will be 8.1 maf (75 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 4.8 maf (44 percent of average) to a maximum probable of 15.6 maf (144 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 2018 near 3,595 feet with approximately 11.29 maf in storage (49 percent of capacity) and water year 2019 near 3,577 feet with approximately 9.734 maf in storage (40 percent of capacity). Note that projections of elevation and storage for water year 2019 have significant uncertainty at this point in the season. Projections of end of water year 2019 elevation and storage using the minimum and maximum probable inflow forecast from August 2018 are 3,562 feet (8.494 maf, 35 percent of capacity) and 3,641 feet (16.13 maf, 66 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 2019 is projected to be 9.0 maf under the most probable and maximum probable inflow scenarios and 8.23 maf under the minimum probable inflow scenario.

Upper Colorado River Basin Hydrology

The Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 18-year period 2000 to 2017, 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 4 of these years and had the lowest average annual (based on water year) unregulated inflow volume of any 18 year period since the closure of Glen Canyon Dam in 1963. The average annual unregulated inflow volume during this period was 8.76 maf, or 81 percent of the official average which is based on the period from 1981 through 2010 and is 10.83 maf. During the 2000 to 2017 period, the annual unregulated inflow volume has ranged from a low of 2.64 maf (24 percent of average) in 2002 to a high of 15.97 maf (147 percent of average) in 2011. In water year 2017 unregulated inflow volume was 11.9 maf (110 percent of average). Under the current forecast, the annual unregulated inflow volume for water year 2018 is projected to be 5.25 maf (48 percent of average).

At the beginning of water year 2018, total system storage in the Colorado River Basin was 32.9 maf (55 percent of the 59.6 maf in total system capacity). This was an increase of 2.7 maf over the total storage at the beginning of water year 2017. 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 29.0 maf (48 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 April minimum and maximum probable inflow forecasts and modeling, the range of end of water year 2018 total system capacity is approximately 27.8 maf (47 percent of capacity) to 31.0 maf (52 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		1214	883	123	11.2	2%:	150/	300/	330/	2602/: 36%
GBRW4: Fontenelle		354	404	138	50	65%:	43/	47/	47/	997/: 138%
GRNU1: Flaming Gorge		422	435	140	42	47%:	43/	49/	53/	1118/: 114%
BMDC2: Blue Mesa		112	56	22	18.8	30%:	19/	20/	19/	238/: 35%
MPSC2: Morrow Point		121	57	22	19.0	28%:	20/	21/	20/	254/: 34%
CLSC2: Crystal		129	61	24	21	28%:	22/	23/	22/	274/: 33%
TPIC2: Taylor Park		24	13.2	4.9	3.2	31%:	3/	3.5/	3/	51/: 52%
VCRC2: Vallecito		30	13.8	7.6	5.4	27%:	5/	5/	4/	66/: 34%
NVRN5: Navajo		89	6.0	-8.73	-6.61	-99%:	5/	10/	10/	155/: 21%
LEMC2: Lemon		7.5	2.3	1.13	0.73	15%:	1/	1/	0.5/	14/: 25%
MPHC2: McPhee		22	4.7	10.5	7.8	49%:	4/	3.5/	3/	50/: 17%
RBSC2: Ridgway		13.0	9.4	3.5	2.8	19%:	2/	2/	3/	31/: 31%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	66	2	69	4	72	6495.21	263
	WY 2017	2319	15	379	1890	2270		
H	Oct 2017	73	1	80	0	80	6494.03	255
I	Nov 2017	62	1	78	0	78	6491.65	238
S	Dec 2017	46	1	72	8	80	6486.39	204
T	Jan 2018	42	1	79	1	80	6479.83	165
O	Feb 2018	38	0	72	0	72	6472.86	131
R	Mar 2018	58	0	16	56	71	6469.78	117
I	Apr 2018	101	1	83	4	87	6472.76	130
C	May 2018	354	2	100	123	223	6494.84	260
A	Jun 2018	404	2	101	269	370	6499.18	292
L	Jul 2018	138	3	92	8	100	6503.79	327
*	Aug 2018	50	2	75	1	76	6500.10	299
	Sep 2018	43	2	64	0	64	6496.97	276
	WY 2018	1410	15	913	470	1382		
	Oct 2018	47	1	66	0	66	6494.13	256
	Nov 2018	47	1	64	0	64	6491.58	239
	Dec 2018	40	1	66	0	66	6487.50	212
	Jan 2019	35	1	66	0	66	6482.36	180
	Feb 2019	32	1	60	0	60	6477.11	152
	Mar 2019	48	0	75	0	75	6471.23	124
	Apr 2019	78	1	86	0	86	6469.21	116
	May 2019	130	1	97	6	103	6475.11	142
	Jun 2019	270	2	101	24	125	6498.14	285
	Jul 2019	175	3	102	13	115	6505.59	342
	Aug 2019	66	2	69	0	69	6504.91	337
	Sep 2019	42	2	67	0	67	6501.47	310
	WY 2019	1010	15	918	44	962		
	Oct 2019	46	1	69	0	69	6498.21	286
	Nov 2019	41	1	67	0	67	6494.50	259
	Dec 2019	32	1	69	0	69	6488.87	221
	Jan 2020	30	1	69	0	69	6482.60	182
	Feb 2020	28	1	65	0	65	6475.49	144
	Mar 2020	53	0	72	0	72	6471.15	124
	Apr 2020	85	1	78	0	78	6472.69	131
	May 2020	164	1	100	8	108	6483.23	185
	Jun 2020	299	2	103	72	175	6501.08	307
	Jul 2020	178	3	100	40	140	6505.54	342
	Aug 2020	77	2	100	10	111	6500.87	306

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	87	93	11	141	0	141	140	6033.63	3491	161
	WY 2017	3153	3104	81	2016	712	2728				4225
H	Oct 2017	88	95	8	107	0	107	140	6033.17	3473	151
I	Nov 2017	82	98	4	139	0	139	138	6032.07	3430	166
S	Dec 2017	52	86	2	174	0	174	135	6029.85	3343	197
T	Jan 2018	52	90	2	175	0	175	131	6027.65	3259	208
O	Feb 2018	57	91	2	155	1	157	129	6025.91	3194	197
R	Mar 2018	86	99	3	106	0	106	128	6025.65	3184	178
I	Apr 2018	121	108	5	101	0	101	128	6025.69	3186	277
C	May 2018	422	290	8	163	6	169	133	6028.57	3294	572
A	Jun 2018	435	401	11	125	0	125	143	6035.09	3550	278
L	Jul 2018	140	102	14	120	0	120	142	6034.33	3519	141
*	Aug 2018	42	68	13	124	0	124	139	6032.67	3453	142
	Sep 2018	43	64	11	119	0	119	136	6031.05	3390	125
	WY 2018	1620	1592	83	1608	7	1615				2631
	Oct 2018	49	68	7	98	0	98	135	6030.11	3353	116
	Nov 2018	53	70	4	95	0	95	134	6029.40	3326	123
	Dec 2018	41	67	2	111	0	111	132	6028.25	3282	134
	Jan 2019	45	76	2	111	0	111	131	6027.33	3247	131
	Feb 2019	45	73	2	111	0	111	129	6026.29	3208	130
	Mar 2019	95	122	3	111	0	111	129	6026.51	3216	176
	Apr 2019	125	133	5	113	0	113	130	6026.89	3231	303
	May 2019	170	143	8	195	0	195	128	6025.35	3173	635
	Jun 2019	315	170	10	126	0	126	129	6026.22	3205	561
	Jul 2019	200	140	13	98	0	98	130	6026.94	3233	173
	Aug 2019	76	79	12	92	0	92	129	6026.29	3208	110
	Sep 2019	51	76	11	83	0	83	128	6025.82	3191	97
	WY 2019	1265	1217	79	1345	0	1345				2690
	Oct 2019	55	79	7	86	0	86	128	6025.44	3177	113
	Nov 2019	50	76	3	83	0	83	127	6025.15	3166	112
	Dec 2019	35	72	2	86	0	86	127	6024.74	3151	111
	Jan 2020	40	79	2	86	0	86	126	6024.52	3142	111
	Feb 2020	45	82	2	63	0	63	127	6024.94	3158	91
	Mar 2020	102	122	3	80	0	80	129	6025.95	3195	157
	Apr 2020	134	126	5	89	0	89	130	6026.77	3226	304
	May 2020	245	190	8	179	0	179	130	6026.85	3229	711
	Jun 2020	390	265	10	197	0	197	132	6028.33	3285	617
	Jul 2020	210	173	14	160	0	160	132	6028.32	3285	260
	Aug 2020	89	123	13	160	0	160	130	6027.06	3237	185

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	8	18	9314.58	77
WY 2017	179	173		
H Oct 2017	8	8	9314.93	78
I Nov 2017	6	6	9315.09	78
S Dec 2017	4	6	9313.84	76
T Jan 2018	4	6	9312.64	74
O Feb 2018	4	6	9311.50	72
R Mar 2018	5	6	9310.51	71
I Apr 2018	8	7	9311.18	72
C May 2018	24	12	9318.33	84
A Jun 2018	13	15	9317.29	82
L Jul 2018	5	14	9311.71	73
* Aug 2018	3	13	9305.51	63
Sep 2018	3	12	9299.25	54
WY 2018	88	111		
Oct 2018	4	4	9299.16	54
Nov 2018	3	3	9299.16	54
Dec 2018	3	3	9299.09	54
Jan 2019	3	3	9299.01	54
Feb 2019	2	3	9298.41	53
Mar 2019	3	3	9298.33	53
Apr 2019	5	10	9294.39	48
May 2019	22	16	9299.46	54
Jun 2019	34	21	9308.43	67
Jul 2019	13	24	9301.29	57
Aug 2019	7	20	9291.43	44
Sep 2019	6	15	9282.81	35
WY 2019	105	123		
Oct 2019	6	7	9281.57	34
Nov 2019	5	5	9281.28	34
Dec 2019	5	5	9280.71	33
Jan 2020	4	5	9279.76	33
Feb 2020	4	5	9278.50	32
Mar 2020	4	8	9274.21	28
Apr 2020	9	8	9275.16	29
May 2020	28	30	9272.99	27
Jun 2020	42	30	9286.16	39
Jul 2020	20	10	9295.15	49
Aug 2020	10	8	9296.98	51

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	35	45	1	115	0	114	7508.43	732
	WY 2017	1245	1238	9	987	101	1163		
H	Oct 2017	37	37	1	102	0	102	7500.64	667
I	Nov 2017	32	32	0	40	0	40	7499.68	659
S	Dec 2017	25	27	0	93	0	93	7491.44	593
T	Jan 2018	20	22	0	60	0	60	7486.51	554
O	Feb 2018	23	25	0	32	0	32	7485.54	547
R	Mar 2018	28	29	0	43	0	43	7483.73	534
I	Apr 2018	48	47	1	82	0	82	7478.94	498
C	May 2018	112	100	1	85	0	85	7480.90	513
A	Jun 2018	56	57	1	98	0	98	7475.06	471
L	Jul 2018	21	31	1	101	0	101	7464.43	399
*	Aug 2018	19	28	1	93	0	93	7453.77	334
	Sep 2018	19	28	1	76	0	76	7444.90	285
	WY 2018	440	463	7	903	0	903		
	Oct 2018	20	20	0	46	0	46	7439.76	258
	Nov 2018	19	19	0	24	0	24	7438.77	253
	Dec 2018	16	16	0	25	0	25	7436.99	245
	Jan 2019	14	14	0	26	0	26	7434.55	233
	Feb 2019	14	15	0	26	0	26	7432.15	222
	Mar 2019	24	24	0	34	0	34	7429.82	211
	Apr 2019	53	58	0	47	0	47	7432.27	223
	May 2019	170	164	1	181	21	202	7423.32	184
	Jun 2019	245	232	1	34	0	34	7461.53	381
	Jul 2019	87	98	1	81	0	81	7463.94	396
	Aug 2019	48	61	1	101	0	101	7457.24	354
	Sep 2019	35	44	1	73	0	73	7452.11	324
	WY 2019	745	764	6	698	21	719		
	Oct 2019	37	38	0	49	0	49	7450.06	313
	Nov 2019	31	31	0	18	0	18	7452.33	326
	Dec 2019	26	26	0	30	0	30	7451.61	322
	Jan 2020	24	25	0	24	0	24	7451.80	323
	Feb 2020	22	23	0	22	0	22	7451.97	324
	Mar 2020	36	40	0	25	0	25	7454.47	338
	Apr 2020	77	76	1	36	0	36	7461.07	378
	May 2020	221	223	1	195	3	198	7464.82	402
	Jun 2020	261	249	1	33	0	33	7494.51	617
	Jul 2020	117	107	1	70	0	70	7498.92	652
	Aug 2020	63	61	1	88	0	88	7495.47	625

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	35	114	0	115	92	0	112	7155.62	114
	WY 2017	1314	1163	69	1232	893	0	1226		
H	Oct 2017	38	102	1	103	105	0	105	7153.17	112
I	Nov 2017	34	40	1	41	42	0	42	7152.45	111
S	Dec 2017	26	93	1	94	94	0	94	7152.45	111
T	Jan 2018	22	60	2	62	62	0	63	7150.65	110
O	Feb 2018	24	32	1	33	34	0	34	7149.19	108
R	Mar 2018	29	43	1	44	49	0	49	7143.05	104
I	Apr 2018	54	82	6	87	79	0	79	7154.30	112
C	May 2018	121	85	8	94	94	0	94	7153.76	112
A	Jun 2018	57	98	2	99	99	0	99	7154.16	112
L	Jul 2018	22	101	1	102	101	0	101	7155.49	113
*	Aug 2018	19	93	0	93	94	0	94	7153.96	112
	Sep 2018	20	76	1	77	78	0	78	7153.73	112
	WY 2018	466	903	26	929	929	0	930		
	Oct 2018	21	46	1	47	47	0	47	7153.73	112
	Nov 2018	20	24	1	25	25	0	25	7153.73	112
	Dec 2018	17	25	1	26	26	0	26	7153.73	112
	Jan 2019	15	26	1	27	27	0	27	7153.73	112
	Feb 2019	15	26	1	27	27	0	27	7153.73	112
	Mar 2019	26	34	2	36	36	0	36	7153.73	112
	Apr 2019	59	47	6	53	53	0	53	7153.73	112
	May 2019	186	202	16	218	218	0	218	7153.73	112
	Jun 2019	260	34	15	49	49	0	49	7153.73	112
	Jul 2019	90	81	3	84	84	0	84	7153.73	112
	Aug 2019	49	101	1	102	102	0	102	7153.73	112
	Sep 2019	37	73	2	75	75	0	75	7153.73	112
	WY 2019	795	719	50	769	769	0	769		
	Oct 2019	38	49	1	50	50	0	50	7153.73	112
	Nov 2019	32	18	1	19	19	0	19	7153.73	112
	Dec 2019	28	30	2	32	32	0	32	7153.73	112
	Jan 2020	27	24	2	26	26	0	26	7153.73	112
	Feb 2020	25	22	3	25	25	0	25	7153.73	112
	Mar 2020	40	25	4	29	29	0	29	7153.73	112
	Apr 2020	88	36	11	47	47	0	47	7153.73	112
	May 2020	247	198	26	224	224	0	224	7153.73	112
	Jun 2020	281	33	20	53	53	0	53	7153.73	112
	Jul 2020	123	70	6	76	76	0	76	7153.73	112
	Aug 2020	67	88	3	91	91	0	91	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 2018 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 2017	39	112	4	116	115	0	115	6748.63	16	59	56
	WY 2017	1423	1226	109	1335	751	350	1334			413	929
H	Oct 2017	43	105	5	110	109	0	109	6751.20	16	55	53
I	Nov 2017	38	42	4	46	46	0	46	6749.89	16	1	46
S	Dec 2017	29	94	3	97	97	0	97	6749.23	16	1	98
T	Jan 2018	25	63	3	66	62	4	66	6747.99	16	1	65
O	Feb 2018	27	34	3	37	16	20	36	6750.06	16	0	34
R	Mar 2018	33	49	4	52	53	0	53	6747.97	16	13	38
I	Apr 2018	60	79	6	84	84	0	84	6749.35	16	53	28
C	May 2018	129	94	9	102	102	0	102	6749.41	16	62	39
A	Jun 2018	61	99	3	102	102	0	102	6750.48	16	63	42
L	Jul 2018	24	101	2	103	103	0	103	6750.59	16	64	41
*	Aug 2018	21	94	2	96	98	0	98	6744.83	15	65	36
	Sep 2018	22	78	2	80	77	0	77	6753.04	17	55	22
	WY 2018	512	930	46	976	949	26	974			434	542
	Oct 2018	23	47	2	49	49	0	49	6753.04	17	30	19
	Nov 2018	22	25	2	27	27	0	27	6753.04	17	0	27
	Dec 2018	19	26	2	28	28	0	28	6753.04	17	0	28
	Jan 2019	16	27	1	28	28	0	28	6753.04	17	0	28
	Feb 2019	16	27	1	28	28	0	28	6753.04	17	0	28
	Mar 2019	28	36	2	38	38	0	38	6753.04	17	5	33
	Apr 2019	66	53	7	60	60	0	60	6753.04	17	42	18
	May 2019	205	218	19	237	134	103	237	6753.04	17	62	175
	Jun 2019	290	49	30	79	79	0	79	6753.04	17	61	18
	Jul 2019	99	84	9	93	93	0	93	6753.04	17	65	28
	Aug 2019	54	102	5	107	107	0	107	6753.04	17	65	42
	Sep 2019	42	75	5	80	80	0	80	6753.04	17	55	25
	WY 2019	880	769	85	854	751	103	854			385	469
	Oct 2019	43	50	5	55	55	0	55	6753.04	17	30	25
	Nov 2019	37	19	4	24	24	0	24	6753.04	17	0	24
	Dec 2019	32	32	5	37	37	0	37	6753.04	17	0	37
	Jan 2020	31	26	5	31	31	0	31	6753.04	17	0	31
	Feb 2020	29	25	4	29	29	0	29	6753.04	17	0	29
	Mar 2020	46	29	6	35	35	0	35	6753.04	17	5	30
	Apr 2020	101	47	12	60	60	0	60	6753.04	17	42	18
	May 2020	281	224	34	258	134	124	258	6753.04	17	62	196
	Jun 2020	315	53	34	87	87	0	87	6753.04	17	61	26
	Jul 2020	138	76	14	90	90	0	90	6753.04	17	65	25
	Aug 2020	75	91	8	100	100	0	100	6753.04	17	65	35

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	9	34	7644.31	74
WY 2017	303	297		
H Oct 2017	9	22	7638.22	61
I Nov 2017	5	2	7639.49	63
S Dec 2017	3	1	7640.27	65
T Jan 2018	3	0	7641.42	67
O Feb 2018	3	0	7642.57	70
R Mar 2018	4	0	7644.11	73
I Apr 2018	15	3	7649.29	85
C May 2018	30	31	7648.91	84
A Jun 2018	14	35	7639.22	63
L Jul 2018	8	35	7624.15	35
* Aug 2018	5	19	7613.87	22
Sep 2018	5	3	7615.08	23
WY 2018	104	152		
Oct 2018	5	1	7618.39	27
Nov 2018	4	0	7621.08	31
Dec 2018	3	0	7622.87	33
Jan 2019	2	0	7623.93	35
Feb 2019	2	0	7624.98	36
Mar 2019	4	0	7627.14	40
Apr 2019	12	0	7633.54	51
May 2019	50	31	7642.77	70
Jun 2019	62	43	7650.86	89
Jul 2019	25	42	7643.53	72
Aug 2019	15	38	7632.22	49
Sep 2019	14	30	7622.70	33
WY 2019	198	185		
Oct 2019	14	17	7620.03	29
Nov 2019	8	2	7624.43	36
Dec 2019	6	2	7627.20	40
Jan 2020	5	2	7629.25	43
Feb 2020	5	2	7630.90	46
Mar 2020	9	2	7634.44	53
Apr 2020	23	2	7644.55	74
May 2020	71	31	7660.73	114
Jun 2020	70	65	7662.66	119
Jul 2020	29	41	7657.68	106
Aug 2020	20	38	7650.32	88

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	9	2	33	3	23	42	6055.28	1289	48
	WY 2017	1157	160	991	28	198	785			1410
H	Oct 2017	38	2	49	2	8	32	6055.89	1296	52
I	Nov 2017	19	0	15	1	0	25	6055.04	1286	41
S	Dec 2017	10	0	8	1	0	24	6053.69	1270	40
T	Jan 2018	11	0	9	1	0	23	6052.47	1255	40
O	Feb 2018	14	0	11	1	1	18	6051.73	1246	33
R	Mar 2018	25	2	20	2	6	22	6050.92	1236	30
I	Apr 2018	70	13	46	2	20	38	6049.73	1222	42
C	May 2018	88	16	71	3	36	32	6049.80	1223	69
A	Jun 2018	6	3	24	4	42	42	6044.23	1159	49
L	Jul 2018	-9	0	18	4	42	51	6036.94	1080	53
*	Aug 2018	-7	0	7	3	42	51	6028.27	991	48
	Sep 2018	5	0	3	2	20	34	6022.84	939	44
	WY 2018	270	36	283	24	216	393			543
	Oct 2018	10	0	6	1	6	25	6020.00	912	35
	Nov 2018	10	0	6	1	0	19	6018.53	898	28
	Dec 2018	14	0	11	0	0	20	6017.52	889	27
	Jan 2019	14	0	12	0	0	22	6016.46	879	28
	Feb 2019	18	0	16	1	0	17	6016.29	878	22
	Mar 2019	51	3	44	1	5	16	6018.74	900	26
	Apr 2019	100	11	77	2	21	15	6022.97	940	40
	May 2019	205	30	156	3	36	22	6032.70	1036	132
	Jun 2019	177	22	136	3	52	21	6038.42	1096	138
	Jul 2019	38	1	54	4	57	22	6035.76	1068	70
	Aug 2019	32	2	53	3	48	25	6033.55	1045	52
	Sep 2019	31	1	46	2	26	22	6033.11	1040	43
	WY 2019	700	69	618	21	250	245			640
	Oct 2019	37	1	40	1	10	22	6033.85	1048	45
	Nov 2019	30	0	24	1	0	21	6034.03	1050	37
	Dec 2019	25	0	21	1	0	22	6033.89	1048	37
	Jan 2020	22	0	18	1	0	22	6033.53	1045	35
	Feb 2020	30	0	27	1	0	20	6034.12	1051	33
	Mar 2020	92	9	77	1	6	22	6038.71	1099	44
	Apr 2020	170	21	128	2	22	21	6046.29	1183	73
	May 2020	277	37	200	3	36	22	6057.92	1322	168
	Jun 2020	224	29	189	4	53	30	6065.84	1424	181
	Jul 2020	66	5	74	5	57	31	6064.45	1405	98
	Aug 2020	45	2	61	4	48	31	6062.83	1384	69

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	196	410	57	663	0	663	3628.31	5227	14664	671
	WY 2017	11905	11396	409	8874	126	9000				9152
H	Oct 2017	449	533	39	640	0	640	3627.09	5216	14530	634
I	Nov 2017	387	454	37	630	0	630	3625.29	5200	14332	619
S	Dec 2017	299	483	29	740	0	740	3622.85	5179	14068	733
T	Jan 2018	262	442	9	860	0	860	3619.14	5147	13672	861
O	Feb 2018	269	387	10	730	0	730	3616.02	5121	13346	750
R	Mar 2018	332	395	16	800	0	800	3612.23	5090	12956	835
I	Apr 2018	382	419	25	705	0	705	3609.39	5067	12669	738
C	May 2018	1214	968	29	705	0	705	3611.54	5085	12886	730
A	Jun 2018	883	635	45	760	0	760	3609.98	5072	12728	781
L	Jul 2018	123	252	53	860	0	860	3603.80	5023	12116	877
*	Aug 2018	11	260	50	900	0	900	3597.12	4972	11477	911
	Sep 2018	150	330	45	671	0	671	3593.29	4943	11121	682
	WY 2018	4761	5559	387	9000	0	9000				9149
	Oct 2018	300	397	31	625	0	625	3590.67	4924	10881	631
	Nov 2018	330	386	29	625	0	625	3587.92	4904	10633	625
	Dec 2018	280	364	23	750	0	750	3583.65	4874	10255	755
	Jan 2019	260	345	7	860	0	860	3578.03	4835	9772	871
	Feb 2019	280	357	7	745	0	745	3573.66	4806	9406	749
	Mar 2019	460	459	12	800	0	800	3569.66	4780	9080	805
	Apr 2019	700	628	18	700	0	700	3568.63	4773	8997	708
	May 2019	1570	1508	22	700	0	700	3577.48	4832	9725	706
	Jun 2019	2250	1768	37	765	0	765	3587.77	4903	10620	773
	Jul 2019	760	694	46	860	0	860	3585.56	4888	10423	879
	Aug 2019	370	482	45	900	0	900	3580.65	4853	9995	918
	Sep 2019	340	429	40	670	0	670	3577.59	4832	9734	681
	WY 2019	7900	7818	315	9000	0	9000				9100
	Oct 2019	455	493	28	480	0	480	3577.43	4831	9721	486
	Nov 2019	447	459	27	500	0	500	3576.68	4826	9658	500
	Dec 2019	363	415	21	600	0	600	3574.39	4811	9467	605
	Jan 2020	361	406	6	720	0	720	3570.78	4787	9170	731
	Feb 2020	393	402	7	640	0	640	3567.97	4769	8944	644
	Mar 2020	665	575	11	675	0	675	3566.68	4761	8841	680
	Apr 2020	1056	863	18	600	0	600	3569.52	4779	9068	608
	May 2020	2343	2071	23	600	0	600	3585.40	4886	10409	606
	Jun 2020	2666	2133	40	630	0	630	3600.14	4995	11764	638
	Jul 2020	1091	1020	51	710	0	710	3602.64	5014	12004	729
	Aug 2020	500	631	51	760	0	760	3600.91	5001	11837	778

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	663	70	58	600	10.1	21	591	662	1082.05	10182
	WY 2017	9000	995	541	8620		236	8591			
H	Oct 2017	640	44	43	596	9.7	23	595	663	1082.30	10202
I	Nov 2017	630	40	42	731	12.3	16	731	656	1080.95	10090
S	Dec 2017	740	43	37	594	9.7	12	593	664	1082.52	10221
T	Jan 2018	860	78	30	449	7.3	10	448	692	1087.50	10642
O	Feb 2018	730	60	28	687	12.4	10	693	696	1088.21	10703
R	Mar 2018	800	70	32	833	13.5	14	832	695	1088.11	10694
I	Apr 2018	705	43	39	1015	17.1	21	1015	675	1084.49	10387
C	May 2018	705	21	44	1055	17.1	27	1054	651	1080.00	10011
A	Jun 2018	760	27	53	986	16.6	28	985	634	1076.81	9748
L	Jul 2018	860	106	65	820	13.3	27	819	637	1077.43	9799
*	Aug 2018	900	75	70	749	12.2	29	748	645	1078.88	9918
	Sep 2018	671	105	58	716	12.0	32	716	643	1078.53	9890
	WY 2018	9000	712	541	9231		251	9230			
	Oct 2018	625	69	42	678	11.0	34	678	639	1077.85	9834
	Nov 2018	625	61	42	718	12.1	27	718	633	1076.69	9739
	Dec 2018	750	50	36	526	8.6	20	526	646	1079.18	9943
	Jan 2019	860	78	30	610	9.9	12	610	664	1082.41	10211
	Feb 2019	745	93	28	684	12.3	14	684	671	1083.66	10317
	Mar 2019	800	56	31	1054	17.1	21	1054	655	1080.85	10082
	Apr 2019	700	48	38	1058	17.8	23	1058	633	1076.62	9733
	May 2019	700	31	43	966	15.7	27	966	614	1073.09	9446
	Jun 2019	765	12	51	907	15.2	33	907	601	1070.58	9245
	Jul 2019	860	81	64	825	13.4	36	825	602	1070.77	9261
	Aug 2019	900	112	68	739	12.0	34	739	612	1072.77	9421
	Sep 2019	670	105	56	733	12.3	27	733	610	1072.29	9382
	WY 2019	9000	796	528	9500		308	9500			
	Oct 2019	480	69	41	510	8.3	28	510	608	1071.94	9355
	Nov 2019	500	61	41	669	11.2	21	669	598	1069.95	9195
	Dec 2019	600	50	35	593	9.6	14	593	598	1070.04	9202
	Jan 2020	720	78	29	607	9.9	14	607	607	1071.78	9342
	Feb 2020	640	93	26	663	11.5	17	663	609	1072.09	9367
	Mar 2020	675	56	29	988	16.1	22	988	590	1068.46	9078
	Apr 2020	600	48	36	997	16.8	25	997	565	1063.52	8692
	May 2020	600	31	40	917	14.9	31	917	543	1059.13	8357
	Jun 2020	630	12	48	929	15.6	31	929	521	1054.53	8014
	Jul 2020	710	81	59	813	13.2	31	813	514	1053.11	7909
	Aug 2020	760	112	62	773	12.6	28	773	515	1053.22	7917

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	600	-11	18	656	0	656	11.0	639.47	1603
	WY 2017	8620	-183	199	8261	0	8261			
H	Oct 2017	596	-2	15	671	0	671	10.9	636.00	1512
I	Nov 2017	731	-18	11	595	0	595	10.0	640.07	1619
S	Dec 2017	594	-16	9	552	0	552	9.0	640.68	1636
T	Jan 2018	449	2	10	437	0	437	7.1	643.18	1704
O	Feb 2018	687	-4	10	611	0	611	11.0	642.57	1687
R	Mar 2018	833	-1	13	836	0	836	13.6	642.40	1682
I	Apr 2018	1015	-3	17	1001	0	1001	16.8	643.17	1703
C	May 2018	1055	-11	22	1001	0	1001	16.3	644.29	1734
A	Jun 2018	986	-21	26	909	0	909	15.3	642.91	1696
L	Jul 2018	820	-6	26	827	0	827	13.4	642.29	1679
*	Aug 2018	749	-13	23	730	0	730	11.9		
	Sep 2018	716	-12	18	800	0	800	13.4	638.00	1564
	WY 2018	9231	-104	198	8967	0	8967			
	Oct 2018	678	-4	15	738	0	738	12.0	635.00	1486
	Nov 2018	718	-12	10	617	0	617	10.4	638.00	1564
	Dec 2018	526	-12	9	479	0	479	7.8	639.01	1591
	Jan 2019	610	-19	10	506	0	506	8.2	641.80	1666
	Feb 2019	684	-15	10	659	0	659	11.9	641.80	1666
	Mar 2019	1054	-17	13	990	0	990	16.1	643.05	1700
	Apr 2019	1058	-20	17	1023	0	1023	17.2	643.00	1699
	May 2019	966	-12	22	932	0	932	15.2	643.00	1699
	Jun 2019	907	-15	25	866	0	866	14.6	643.00	1699
	Jul 2019	825	-15	25	812	0	812	13.2	642.00	1671
	Aug 2019	739	-12	23	705	0	705	11.5	642.00	1671
	Sep 2019	733	-12	18	756	0	756	12.7	640.01	1618
	WY 2019	9500	-166	197	9082	0	9082			
	Oct 2019	510	-4	15	674	0	674	11.0	633.00	1434
	Nov 2019	669	-12	10	595	0	595	10.0	635.00	1486
	Dec 2019	593	-12	9	475	0	475	7.7	638.71	1583
	Jan 2020	607	-19	10	496	0	496	8.1	641.80	1666
	Feb 2020	663	-15	10	639	0	639	11.1	641.80	1666
	Mar 2020	988	-17	13	923	0	923	15.0	643.05	1700
	Apr 2020	997	-20	17	962	0	962	16.2	643.00	1699
	May 2020	917	-12	22	882	0	882	14.3	643.00	1699
	Jun 2020	929	-15	25	889	0	889	14.9	643.00	1699
	Jul 2020	813	-15	25	800	0	800	13.0	642.00	1671
	Aug 2020	773	-12	23	739	0	739	12.0	642.00	1671

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	656	16	15	481	8.1	56	134	447.17	564	104	1.7
	WY 2017	8261	220	140	6204		664	1406			1513	
H	Oct 2017	671	9	12	478	7.8	69	131	446.27	548	65	1.1
I	Nov 2017	595	12	9	349	5.9	89	127	447.86	577	99	1.7
S	Dec 2017	552	17	7	335	5.5	100	144	446.80	557	109	1.8
T	Jan 2018	437	3	6	329	5.3	29	90	445.81	539	125	2.0
O	Feb 2018	611	3	8	429	7.7	12	109	448.52	590	145	2.6
R	Mar 2018	836	-3	9	637	10.4	61	139	447.46	570	195	3.2
I	Apr 2018	1001	-8	11	735	12.4	75	168	447.13	564	175	2.9
C	May 2018	1001	10	13	697	11.3	87	178	448.51	590	124	2.0
A	Jun 2018	909	6	15	712	12.0	91	88	448.43	588	136	2.3
L	Jul 2018	827	20	17	656	10.7	101	72	448.00	580	133	2.2
*	Aug 2018	730	21	17	611	9.9	99	22	447.53	571	104	1.7
	Sep 2018	800	17	15	535	9.0	94	165	447.50	571	95	1.6
	WY 2018	8967	107	139	6501		909	1432			1506	
	Oct 2018	738	23	12	485	7.9	85	172	447.50	571	65	1.1
	Nov 2018	617	16	9	396	6.6	82	140	447.50	571	99	1.7
	Dec 2018	479	18	7	291	4.7	85	128	446.50	552	109	1.8
	Jan 2019	506	21	6	318	5.2	78	120	446.50	552	138	2.2
	Feb 2019	659	11	8	485	8.7	51	120	446.50	552	160	2.9
	Mar 2019	990	7	9	718	11.7	69	188	446.70	555	198	3.2
	Apr 2019	1023	16	11	710	11.9	88	183	448.70	593	175	2.9
	May 2019	932	15	13	642	10.4	90	188	448.70	593	104	1.7
	Jun 2019	866	13	16	683	11.5	88	78	448.70	593	105	1.8
	Jul 2019	812	21	17	647	10.5	90	78	448.00	580	111	1.8
	Aug 2019	705	23	17	589	9.6	90	29	447.50	571	100	1.6
	Sep 2019	756	17	15	509	8.6	88	152	447.50	570	89	1.5
	WY 2019	9082	200	139	6473		988	1577			1452	
	Oct 2019	674	23	12	490	8.0	48	140	447.50	571	74	1.2
	Nov 2019	595	16	9	408	6.9	48	140	447.50	571	116	1.9
	Dec 2019	475	18	7	313	5.1	48	140	446.50	552	131	2.1
	Jan 2020	496	21	6	313	5.1	87	106	446.50	552	134	2.2
	Feb 2020	639	11	8	479	8.3	57	100	446.50	552	155	2.7
	Mar 2020	923	7	9	708	11.5	77	125	446.70	555	191	3.1
	Apr 2020	962	16	11	699	11.7	97	125	448.70	593	168	2.8
	May 2020	882	15	13	635	10.3	99	137	448.70	593	100	1.6
	Jun 2020	889	13	16	675	11.3	97	100	448.70	593	102	1.7
	Jul 2020	800	21	17	642	10.4	99	62	448.00	580	107	1.7
	Aug 2020	739	23	17	587	9.5	99	56	447.50	571	97	1.6

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	600	10.1	1082.05	10182	51	440.10	976.1	230.7	66	384.8
WY 2017	8620							3347.1		
H Oct 2017	596	9.7	1082.30	10202	21	441.43	976.1	229.0	66	384.2
I Nov 2017	731	12.3	1080.95	10090	-113	435.01	996.0	287.9	63	393.6
S Dec 2017	594	9.7	1082.52	10221	131	439.05	821.0	235.7	52	396.6
T Jan 2018	449	7.3	1087.50	10642	421	442.14	834.0	176.5	51	392.9
O Feb 2018	687	12.4	1088.21	10703	61	441.97	1220.1	275.0	75	400.3
R Mar 2018	833	13.5	1088.11	10694	-9	442.23	1005.9	333.9	62	400.8
I Apr 2018	1015	17.1	1084.49	10387	-308	437.15	880.9	406.2	55	400.0
C May 2018	1055	17.1	1080.00	10011	-376	432.39	1385.9	412.1	88	390.8
A Jun 2018	986	16.6	1076.81	9748	-263	428.91	1552.0	378.6	100	384.1
L Jul 2018	820	13.3	1077.43	9799	51	432.34	1552.0	313.2	100	382.0
* Aug 2018	749	12.2	1078.88	9918	119	435.01	1562.0	287.4	100	383.8
Sep 2018	716	12.0	1078.53	9890	-28	427.10	1562.0	275.1	100	384.3
WY 2018	9231							3610.7		
Oct 2018	678	11.0	1077.85	9834	-56	432.35	1067.9	264.4	68	389.9
Nov 2018	718	12.1	1076.69	9739	-95	432.24	945.0	284.6	61	396.3
Dec 2018	526	8.6	1079.18	9943	204	431.60	950.0	202.2	61	384.1
Jan 2019	610	9.9	1082.41	10211	268	432.99	999.0	239.3	63	392.2
Feb 2019	684	12.3	1083.66	10317	105	434.30	990.0	272.5	63	398.4
Mar 2019	1054	17.1	1080.85	10082	-235	433.05	1000.0	424.1	63	402.2
Apr 2019	1058	17.8	1076.62	9733	-349	429.56	925.9	426.7	60	403.3
May 2019	966	15.7	1073.09	9446	-287	425.71	913.0	383.6	60	396.9
Jun 2019	907	15.2	1070.58	9245	-201	418.43	1512.0	342.7	100	377.9
Jul 2019	825	13.4	1070.77	9261	15	417.61	1512.0	313.6	100	380.2
Aug 2019	739	12.0	1072.77	9421	160	419.02	1528.0	279.0	100	377.3
Sep 2019	733	12.3	1072.29	9382	-38	420.42	1528.0	278.2	100	379.5
WY 2019	9500							3710.8		
Oct 2019	510	8.3	1071.94	9355	-28	423.59	1341.0	196.0	88	384.5
Nov 2019	669	11.2	1069.95	9195	-159	427.54	925.9	259.9	61	388.6
Dec 2019	593	9.6	1070.04	9202	7	424.35	979.9	227.3	65	383.2
Jan 2020	607	9.9	1071.78	9342	139	421.41	1223.9	230.3	80	379.2
Feb 2020	663	11.5	1072.09	9367	25	423.27	956.1	255.7	63	385.6
Mar 2020	988	16.1	1068.46	9078	-289	421.14	952.6	382.4	63	387.2
Apr 2020	997	16.8	1063.52	8692	-385	416.88	879.1	386.6	60	387.6
May 2020	917	14.9	1059.13	8357	-335	412.26	865.6	349.6	60	381.3
Jun 2020	929	15.6	1054.53	8014	-343	403.58	1422.7	338.8	100	364.7
Jul 2020	813	13.2	1053.11	7909	-105	400.92	1414.7	295.7	100	363.7
Aug 2020	773	12.6	1053.22	7917	8	400.60	1415.3	279.7	100	361.7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	656	11.0	639.47	1603	-86	138.07	253.3	83.2	99	126.8
	WY 2017	8261						1061.4			
H	Oct 2017	671	10.9	636.00	1512	-91	134.26	179.3	81.3	70	121.3
I	Nov 2017	595	10.0	640.07	1619	107	138.81	151.3	73.1	59	122.7
S	Dec 2017	552	9.0	640.68	1636	17	139.44	131.6	69.5	52	126.0
T	Jan 2018	437	7.1		1641	5	141.78	159.6	55.0	63	125.9
O	Feb 2018	611	11.0	643.18	1704	63	142.18	162.1	76.6	64	125.4
R	Mar 2018	836	13.6	642.57	1687	-17	139.99	189.2	105.4	74	126.1
I	Apr 2018	1001	16.8	642.40	1682	-5	141.14	207.4	125.1	81	125.0
C	May 2018	1001	16.3	643.17	1703	21	141.89	204.0	126.2	80	126.1
A	Jun 2018	909	15.3	644.29	1734	31	143.00	255.0	115.0	100	126.6
L	Jul 2018	827	13.4	642.91	1696	-38	141.79	255.0	105.3	100	127.4
*	Aug 2018	730	11.9	642.29	1679	-17	141.02	255.0	92.7	100	127.1
	Sep 2018	800	13.4	638.00	1564	-115	133.04	255.0	98.6	100	123.2
	WY 2018	8967						1123.7			
	Oct 2018	738	12.0	635.00	1486	-79	131.27	185.9	88.9	73	120.4
	Nov 2018	617	10.4	638.00	1564	78	132.41	153.0	74.6	60	121.0
	Dec 2018	479	7.8	639.01	1591	27	132.89	200.7	59.3	79	123.8
	Jan 2019	506	8.2	641.80	1666	75	133.31	255.0	63.4	100	125.3
	Feb 2019	659	11.9	641.80	1666	0	134.78	255.0	82.5	100	125.2
	Mar 2019	990	16.1	643.05	1700	34	135.44	255.0	123.1	100	124.4
	Apr 2019	1023	17.2	643.00	1699	-1	136.07	255.0	127.5	100	124.6
	May 2019	932	15.2	643.00	1699	0	136.04	255.0	116.7	100	125.2
	Jun 2019	866	14.6	643.00	1699	0	136.04	255.0	108.6	100	125.4
	Jul 2019	812	13.2	642.00	1671	-27	135.51	255.0	101.8	100	125.4
	Aug 2019	705	11.5	642.00	1671	0	134.99	255.0	88.5	100	125.5
	Sep 2019	756	12.7	640.01	1618	-54	133.94	255.0	93.9	100	124.2
	WY 2019	9082						1128.9			
	Oct 2019	674	11.0	633.00	1434	-183	131.28	185.9	81.4	73	120.8
	Nov 2019	595	10.0	635.00	1486	51	129.81	153.0	70.7	60	118.9
	Dec 2019	475	7.7	638.71	1583	97	131.17	200.7	58.1	79	122.3
	Jan 2020	496	8.1	641.80	1666	83	133.16	255.0	62.1	100	125.3
	Feb 2020	639	11.1	641.80	1666	0	134.78	255.0	80.1	100	125.5
	Mar 2020	923	15.0	643.05	1700	34	135.44	255.0	115.2	100	124.8
	Apr 2020	962	16.2	643.00	1699	-1	136.07	255.0	120.2	100	124.9
	May 2020	882	14.3	643.00	1699	0	136.04	255.0	110.7	100	125.5
	Jun 2020	889	14.9	643.00	1699	0	136.04	255.0	111.3	100	125.3
	Jul 2020	800	13.0	642.00	1671	-27	135.51	255.0	100.3	100	125.5
	Aug 2020	739	12.0	642.00	1671	0	134.99	255.0	92.6	100	125.4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2017	481	8.1	447.17	564	-21	81.08	120.0	33.8	100	70.2
	WY 2017	6204							434.1		
H	Oct 2017	478	7.8	446.27	548	-17	80.03	92.9	33.6	77	70.4
I	Nov 2017	349	5.9	447.86	577	30	81.65	90.0	24.1	75	69.2
S	Dec 2017	335	5.5	446.80	557	-20	81.55	92.9	22.5	77	67.0
T	Jan 2018	329	5.3	445.81	539	-18	80.05	117.1	22.8	98	69.2
O	Feb 2018	429	7.7	448.52	590	50	81.30	92.1	30.3	77	70.6
R	Mar 2018	638	10.4	447.46	570	-20	81.79	102.6	44.9	85	70.4
I	Apr 2018	735	12.4	447.13	564	-6	81.11	120.0	50.8	100	69.1
C	May 2018	697	11.3	448.51	590	26	82.36	120.0	48.5	100	69.6
A	Jun 2018	712	12.0	448.43	588	-1	80.33	120.0	49.7	100	69.9
L	Jul 2018	656	10.7	448.00	580	-8	81.97	120.0	46.0	100	70.2
*	Aug 2018	611	9.9	447.53	571	-9	79.27	120.0	42.7	100	69.9
	Sep 2018	535	9.0	447.50	571	-1	74.90	120.0	34.8	100	65.1
	WY 2018	6502							450.6		
	Oct 2018	485	7.9	447.50	571	0	76.29	90.0	32.0	75	66.1
	Nov 2018	396	6.6	447.50	571	0	76.19	92.0	25.9	77	65.4
	Dec 2018	291	4.7	446.50	552	-19	74.69	113.2	18.3	94	62.9
	Jan 2019	318	5.2	446.50	552	0	75.27	91.0	20.3	76	63.8
	Feb 2019	485	8.7	446.50	552	0	75.21	92.1	31.8	77	65.5
	Mar 2019	718	11.7	446.70	555	4	74.05	119.0	46.7	99	65.0
	Apr 2019	710	11.9	448.70	593	38	75.08	120.0	46.7	100	65.8
	May 2019	642	10.4	448.70	593	0	76.05	120.0	42.6	100	66.3
	Jun 2019	683	11.5	448.70	593	0	76.05	120.0	45.4	100	66.5
	Jul 2019	647	10.5	448.00	580	-13	75.71	120.0	42.7	100	66.1
	Aug 2019	589	9.6	447.50	571	-9	75.13	120.0	38.5	100	65.4
	Sep 2019	509	8.6	447.50	570	0	74.89	120.0	33.1	100	65.0
	WY 2019	6473							424.1		
	Oct 2019	490	8.0	447.50	571	0	76.29	90.0	32.4	75	66.1
	Nov 2019	408	6.9	447.50	571	0	76.14	93.0	26.7	78	65.5
	Dec 2019	313	5.1	446.50	552	-19	74.65	114.2	19.7	95	63.2
	Jan 2020	313	5.1	446.50	552	0	75.07	94.8	19.9	79	63.6
	Feb 2020	479	8.3	446.50	552	0	75.21	92.1	31.3	77	65.4
	Mar 2020	708	11.5	446.70	555	4	74.01	120.0	45.9	100	64.9
	Apr 2020	699	11.7	448.70	593	38	75.08	120.0	46.0	100	65.8
	May 2020	635	10.3	448.70	593	0	76.05	120.0	42.1	100	66.3
	Jun 2020	675	11.3	448.70	593	0	76.05	120.0	44.9	100	66.5
	Jul 2020	642	10.4	448.00	580	-13	75.71	120.0	42.4	100	66.0
	Aug 2020	587	9.5	447.50	571	-9	75.13	120.0	38.4	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 2018 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 2017	306	56	35	33	22	6
Summer 2017	2033	492	202	207	93	33
H Oct 2017	294	42	30	37	21	7
I Nov 2017	288	55	12	14	8	7
S Dec 2017	339	68	27	33	19	6
T Jan 2018	394	68	17	21	12	6
O Feb 2018	335	60	9	12	3	5
R Mar 2018	364	41	12	16	9	1
Winter 2018	2013	334	107	133	71	31
I Apr 2018	318	39	23	27	16	5
C May 2018	318	63	23	33	20	7
A Jun 2018	343	50	27	34	20	8
L Jul 2018	384	48	27	36	20	8
* Aug 2018	393	50	24	33	19	7
Sep 2018	263	44	20	28	13	6
Summer 2018	2019	293	145	192	108	41
Oct 2018	243	36	12	17	9	6
Nov 2018	241	35	6	9	5	5
Dec 2018	288	41	6	9	5	5
Jan 2019	326	40	6	10	5	5
Feb 2019	280	41	6	10	5	4
Mar 2019	297	40	8	13	7	5
Winter 2019	1675	233	45	68	34	32
Apr 2019	258	41	11	19	10	6
May 2019	260	71	44	78	23	7
Jun 2019	290	46	9	18	14	8
Jul 2019	329	36	22	30	16	10
Aug 2019	342	34	27	37	19	7
Sep 2019	253	30	19	27	14	6
Summer 2019	1732	258	132	209	96	43
Oct 2019	181	31	13	18	10	6
Nov 2019	187	30	5	7	4	6
Dec 2019	225	31	8	12	6	6
Jan 2020	268	31	6	9	5	6
Feb 2020	237	23	6	9	5	5
Mar 2020	248	29	7	10	6	5
Winter 2020	861	124	32	46	25	24
Apr 2020	221	33	10	17	10	5
May 2020	225	65	53	81	23	7
Jun 2020	244	72	9	19	15	9
Jul 2020	281	59	21	27	16	10
Aug 2020	301	58	26	33	17	10

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



September 2018 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 2018	341	496	705	12845	14386	17459	31845	341	496	705	1541	12845	17459	31845	2270	716	0	28.2	
Oct 2018	428	545	757	13201	14931	17487	32418	428	545	757	1730	13201	17487	32418	3040	678	0	27.7	
Nov 2018	484	571	784	13441	15281	17543	32824	484	571	784	1840	13441	17543	32824	3810	718	0	27.4	
Dec 2018	530	576	798	13689	15592	17638	33231	530	576	798	1904	13689	17638	33231	4580	526	0	27.2	
Jan 2019	600	585	807	14067	16059	17434	33493	600	585	807	1992	14067	17434	33493	5350	610	0	26.9	
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****											
Jan 2019	600	585	807	14067	16059	17434	33493	130	158	363	650	14067	17434	32151	5350	610	0	26.9	
Feb 2019	667	596	817	14550	16630	17166	33796	196	169	372	737	14550	17166	32453	1500	684	0	26.6	
Mar 2019	734	608	818	14916	17075	17060	34136	262	181	373	816	14916	17060	32792	1500	1054	0	26.1	
Apr 2019	753	618	796	15242	17409	17295	34705	277	191	344	813	15242	17295	33350	1500	1058	0	25.7	
May 2019	747	607	756	15325	17436	17644	35080	265	185	282	732	15325	17644	33701	1500	966	0	26.2	
Jun 2019	779	646	660	14597	16681	17931	34612	290	217	147	654	14597	17931	33182	1500	907	0	27.3	
Jul 2019	604	449	600	13702	15355	18132	33487	102	6	32	140	13702	18132	31974	1500	825	0	27.2	
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****											
Aug 2019	519	434	628	13899	15480	18116	33596	519	434	628	1581	13899	18116	33596	1500	739	0	26.8	
Sep 2019	549	475	651	14327	16002	17956	33959	549	475	651	1675	14327	17956	33959	2270	733	0	26.3	
Oct 2019	593	505	656	14588	16342	17995	34337	593	505	656	1754	14588	17995	34337	3040	510	0	26.1	
Nov 2019	632	517	648	14601	16398	18022	34420	632	517	648	1797	14601	18022	34420	3810	669	0	25.9	
Dec 2019	669	504	646	14664	16484	18182	34666	669	504	646	1819	14664	18182	34666	4580	593	0	25.7	
Jan 2020	722	508	648	14855	16733	18175	34908	722	508	648	1878	14855	18175	34908	5350	607	0	25.6	
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****											
Jan 2020	722	508	648	14855	16733	18175	34908	312	351	547	1210	14855	18175	34240	5350	607	0	25.6	
Feb 2020	770	507	651	15152	17080	18035	35116	358	351	550	1259	15152	18035	34446	1500	663	0	25.4	
Mar 2020	792	506	645	15378	17322	18010	35332	376	351	544	1270	15378	18010	34659	1500	988	0	25.1	
Apr 2020	775	491	597	15481	17344	18299	35643	354	339	488	1182	15481	18299	34962	1500	997	0	25.1	
May 2020	737	452	513	15254	16956	18685	35641	310	298	381	989	15254	18685	34928	1500	917	0	26.4	
Jun 2020	680	428	374	13913	15395	19020	34415	243	275	202	721	13913	19020	33654	1500	929	0	27.9	
Jul 2020	502	213	272	12558	13545	19363	32908	50	47	43	140	12558	19363	32062	1500	813	0	28.0	
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****											
Aug 2020	468	177	291	12318	13254	19468	32721	468	177	291	935	12318	19468	32721	1500	773	0	27.7	

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