October 24-Month Study
Date: October 12, 2018

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

Current Reservoir Status

Reservoir	September Inflow (unregulated) (acre-feet)	Percent of Average (%)	October 11, Midnight Elevation (feet)	October 11, Midnight Reservoir Storage (acre-feet)
Fontenelle	30,000	66	6,493.89	254,000
Flaming Gorge	17,000	31	6,030.51	3,369,000
Blue Mesa	12,000	30	7,440.59	263,000
Navajo	2,000	6	6,019.23	905,000
Powell	1,000	>1	3,591.96	10,999,000

Expected Operations

The operation of Lake Powell and Lake Mead in this October 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 2018 24-Month Study projections of the January 1, 2019, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2019.

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell operational tier for 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. This October 2018 24-Month Study indicates that, consistent with Section 6.B.4 of the Interim Guidelines, an April adjustment to balancing releases is projected to occur and 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 October 24-Month Study projects a balancing release of 8.92 maf in water year 2019.

Consistent with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar years 2018 and 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 draft 2019 AOP 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 6494.2 feet above sea level (feet), which amounts to 74 percent of live storage capacity. Inflows for the month of September totaled 30,400 acre-feet (af), or 88 percent of average. Average inflows are occurring and releases are being adjusted to maintain capacity in the reservoir. Releases are currently set at 1,075 cubic feet per second (cfs) (10/09/2018).

The Colorado Basin River Forecast Center has forecasted inflows that are at or near average. October, November, and December forecasted inflow volumes amount to 50,000 af (88 percent of average), 47,000 af (112 percent of average), and 36,000 af (147 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 Seedskadee National Wildlife Refuge. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir.

Flaming Gorge Reservoir – Releases are currently set at 1,500 cfs with fluctuations for hydropower. Average daily releases will likely remain at 1,500 cfs through the end of November.

Inflow into Flaming Gorge Reservoir during the month of September was 52,100 af, or 95 percent of average. The current reservoir elevation is 6,030.60 feet (90 percent of live capacity) and decreasing.

The October final forecast for inflows for the next three months projects at or below average conditions: October, November, and December forecasted inflow volumes at 67,400 af (114 percent of average), 67,900 af (133 percent of average), and 66,100 af (190 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 October 11, 2018 releases from Crystal Dam are approximately 1,050 cfs. Uncompahgre Valley Water Users Association is diverting approximately 450 cfs through the Gunnison Tunnel and flows through the Black Canyon are approximately 600 cfs. There is roughly about a 50 cfs gain to the Gunnison River between Crystal Dam and the Gunnison Tunnel Diversion. As of October 11, 2018, Blue Mesa Reservoir elevation is 7440.59 feet which corresponds to storage content of 262,561 af (32 percent of capacity).

The September unregulated inflow to Blue Mesa Reservoir was 11,577 af (30 percent of average). Unregulated Inflows to Blue Mesa for the next three months (October, November and December) are projected to be: 20,000 af (52 percent of average), 20,000 af (65 percent of average) and 17,000 af (65 percent of average), respectively. For water year 2019, the unregulated inflow volume is forecasted to be 725,000 af (46 percent of average) with 535,000 af (44 percent of average) of unregulated inflow occurring during the April through July period. The October 24-Month Study is reflective of this new forecast.

Conditions are clearly very dry. Blue Mesa Reservoir did not fill in water year 2018 and will most likely not fill in water year 2019 either. Current projections indicate Blue Mesa storage will continue to decrease from now till April of 2019 before rebounding during the spring runoff. Current projections show Blue Mesa will reach a low elevation for water year 2019 of about 7,428 feet in early June 2019 and a peak elevation for water year 2019 of about 7458 feet in August 2019. The projected end of water year 2019 elevation of Blue Mesa is 7450.3 feet which corresponds to a live storage content of 314,230 acre-feet (38 percent of full capacity).

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 – The current (October 10th) daily average release rate from Navajo Dam is 590 cfs and the observed inflow to Navajo Reservoir is 200 cfs. The Navajo Indian Irrigation Project (NIIP) is diverting 336 cfs. The reservoir elevation is 6019.4 feet which corresponds to a live storage of 0.906 maf (53 percent of live storage capacity). This elevation also corresponds to an active storage of 0.244 maf (23 percent of active storage capacity). The river flow measured at the San Juan River at Four Corners USGS gage is 630 cfs. River flow at the Animas River at Farmington USGS gage is at 176 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.

Preliminary modified-unregulated inflow into Navajo (inflow adjusted for upstream change in storage, reservoir evaporation and exportation from the basin) in August was 2,469 af (6 percent of average) The modified-unregulated inflow during the April through July period was 156,959 af, which was 21 percent of average.

Forecast modified-unregulated inflow to Navajo over the next three months (October, November, and December) are projected to be: 17,000 af (36 percent of average), 15,000 af (45 percent of average), and 14,000 af (56 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 completed its final analysis and has provided a technical report to the Reclamation Leadership Team, which will decide whether to implement an HFE by the end of October.

If the HFE is implemented, the HFE will begin on November 5, 2018, for a duration of 60 hours with flows surrounding the HFE fluctuating between 6,500 and 9,000 cfs during the evening and daylight hours for hydropower.

The April to July 2018 unregulated inflow to Lake Powell was 2.6 maf (36 percent of average). The unregulated inflow in August was 1 thousand acre-feet (kaf) (0 percent of average). This is the lowest unregulated inflow to occur in September. The next lowest occurred in September 2012 when the volume was negative 104 kaf. The release volume from Glen Canyon Dam in September was 670 kaf. The end of September elevation and storage of Lake Powell were 3,592.28 feet (108 feet from full pool) and 11 maf (45 percent of full capacity).

Current Operations
The operating tier for water year 2019 was established in August 2018 as the Upper Elevation Balancing Tier. 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. 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 8.92 maf in water year 2019. This projection will be updated each month throughout the water year.

In October, the release volume will be approximately 625 kaf, with fluctuations anticipated between about 7,070 cfs in the nighttime to about 12,700 cfs in the daytime and consistent with the Glen Canyon Dam, Record of Decision on LTEMP (dated December, 2016). The anticipated release volume for November is 625 kaf if an HFE unless an HFE is implemented, in which case the monthly volume release would be 664 kaf.

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 28 mw (approximately 830 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 October 1, 2018, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume next year will be 7.6 maf (70 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 4.6 maf (42 percent of average) to a maximum probable of 15.4 maf (142 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 October 24-Month Study projects Lake Powell elevation will end water year 2019 near 3,573.15 feet with approximately 9.36 maf in storage (39 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 October 2018 are 3,556 feet (8.027 maf, 33 percent of capacity) and 3,636 feet (15.54 maf, 64 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 8.922 maf under the most probable scenario, and 9.0 maf under the 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 19-year period 2000 to 2018, 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 out of the past 19 years. The period 2000-2018 is the lowest 19-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.54 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 2000-2018 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 2018 unregulated inflow volume to Lake Powell was 4.6 maf (43 percent of average), the third driest year on record above 2002 and 1977. Under the current most probable forecast, the total water year 2019 unregulated inflow to Lake Powell is projected to be 7.6 maf (70 percent of average).

At the beginning of water year 2019, total system storage in the Colorado River Basin was 20.9 maf (35 percent of 59.6 maf total system capacity). This is a decrease of 10 maf over the total storage at the beginning of water year 2018 when total system storage was 30.9 maf (52 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 2019 is approximately 18.73 maf (31 percent of total system capacity). The actual end of water year 2019 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow.

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			sep	Forecast			
:	jun	jul	aug	sep	%Avg	oct	nov	dec
GLDA3:Lake Powell	883	123	11.2	4.7	1%:	250/	300/	250/
GBRW4:Fontenelle	404	138	50	30	65%:	50/	47/	36/
GRNU1:Flaming Gorge	435	140	42	19.3	35%:	51/	51/	36/
BMDC2:Blue Mesa	56	22	18.6	12.5	33%:	20/	20/	17/
MPSC2:Morrow Point	57	22	19.0	13.8	34%:	21/	21/	18/
CLSC2:Crystal	61	24	21	15.2	32%:	23/	23/	20/
TPIC2:Taylor Park	13.2	4.9	3.2	2.6	35%:	3.5/	3.5/	3/
VCRC2:Vallecito	13.8	7.6	5.4	3.3	19%:	6/	4/	3/
NVRN5:Navajo	6.0	-8.73	-6.92	2.4	6%:	17/	15/	14/
LEMC2:Lemon	2.3	1.13	0.73	0.48	12%:	1/	0.7/	0.5/
MPHC2:McPhee	4.7	10.5	7.8	3.1	27%:	4/	3/	3/
RBSC2:Ridgway	9.4	3.5	2.8	2.6	27%:	3.5/	3/	3/

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	73	1	80	0	80	6494.03	255
H	Nov 2017	62	1	78	0	78	6491.65	238
I	Dec 2017	46	1	72	8	80	6486.39	204
S	Jan 2018	42	1	79	1	80	6479.83	165
T	Feb 2018	38	0	72	0	72	6472.86	131
O	Mar 2018	58	0	16	56	71	6469.78	117
R	Apr 2018	101	1	83	4	87	6472.76	130
I	May 2018	354	2	100	123	223	6494.84	260
C	Jun 2018	404	2	101	269	370	6499.18	292
A	Jul 2018	138	3	92	8	100	6503.79	327
L	Aug 2018	50	2	75	1	76	6500.10	299
*	Sep 2018	30	2	7	58	65	6495.11	262
	WY 2018	**1397**	**15**	**856**	**528**	**1382**		
	Oct 2018	50	1	66	0	66	6492.61	246
	Nov 2018	47	1	64	0	64	6489.88	228
	Dec 2018	36	1	66	0	66	6485.21	197
	Jan 2019	35	1	66	0	66	6479.78	166
	Feb 2019	32	0	60	0	60	6474.10	137
	Mar 2019	48	0	65	0	65	6470.22	120
	Apr 2019	78	1	73	0	73	6471.24	124
	May 2019	130	1	83	0	83	6480.55	170
	Jun 2019	270	2	102	49	151	6498.40	287
	Jul 2019	175	3	102	30	132	6503.68	327
	Aug 2019	66	2	69	0	69	6502.98	322
	Sep 2019	43	2	65	0	65	6499.82	298
	WY 2019	**1010**	**15**	**882**	**78**	**961**		
	Oct 2019	47	1	68	0	68	6496.80	275
	Nov 2019	41	1	65	0	65	6493.29	250
	Dec 2019	32	1	68	0	68	6487.83	214
	Jan 2020	30	1	68	0	68	6481.65	176
	Feb 2020	28	1	63	0	63	6474.65	140
	Mar 2020	53	0	80	0	80	6468.33	112
	Apr 2020	85	1	77	0	77	6470.13	120
	May 2020	164	1	98	12	111	6480.84	172
	Jun 2020	299	2	102	70	173	6499.61	296
	Jul 2020	178	3	102	40	141	6503.96	329
	Aug 2020	77	2	102	9	111	6499.22	293
	Sep 2020	46	2	103	34	137	6485.72	200
	WY 2020	**1079**	**15**	**997**	**164**	**1161**		

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	88	95	8	107	0	107	140	6033.17	3473	151
H	Nov 2017	82	98	4	139	0	139	138	6032.07	3430	166
I	Dec 2017	52	86	2	174	0	174	135	6029.85	3343	197
S	Jan 2018	52	90	2	175	0	175	131	6027.65	3259	208
T	Feb 2018	57	91	2	155	1	157	129	6025.91	3194	197
O	Mar 2018	86	99	3	106	0	106	128	6025.65	3184	178
R	Apr 2018	121	108	5	101	0	101	128	6025.69	3186	277
I	May 2018	422	290	8	163	6	169	133	6028.57	3294	572
C	Jun 2018	435	401	11	125	0	125	143	6035.09	3550	278
A	Jul 2018	140	102	14	120	0	120	142	6034.33	3519	139
L	Aug 2018	42	68	13	124	0	124	139	6032.67	3453	137
*	Sep 2018	17	52	11	119	0	119	136	6030.75	3378	127
	WY 2018	**1594**	**1580**	**82**	**1608**	**7**	**1616**				**2626**
	Oct 2018	51	67	7	97	0	97	134	6029.84	3343	113
	Nov 2018	51	68	3	89	0	89	134	6029.22	3319	114
	Dec 2018	36	66	2	123	0	123	131	6027.74	3263	146
	Jan 2019	45	76	2	123	0	123	129	6026.49	3216	143
	Feb 2019	45	73	2	111	0	111	128	6025.45	3177	130
	Mar 2019	95	112	3	86	0	86	129	6026.04	3199	146
	Apr 2019	125	120	5	83	0	83	130	6026.86	3229	253
	May 2019	175	128	8	111	0	111	130	6027.11	3239	561
	Jun 2019	315	196	10	167	0	167	131	6027.58	3257	592
	Jul 2019	200	157	13	102	0	102	133	6028.63	3296	177
	Aug 2019	76	79	13	105	0	105	131	6027.67	3260	123
	Sep 2019	51	73	11	101	0	101	130	6026.68	3223	115
	WY 2019	**1265**	**1216**	**79**	**1298**	**0**	**1298**				**2613**
	Oct 2019	56	77	7	68	0	68	130	6026.74	3225	94
	Nov 2019	50	74	3	71	0	71	130	6026.72	3224	100
	Dec 2019	35	71	2	105	0	105	128	6025.80	3190	130
	Jan 2020	40	78	2	105	0	105	127	6025.06	3162	130
	Feb 2020	45	80	2	98	0	98	127	6024.55	3143	126
	Mar 2020	102	130	3	80	0	80	128	6025.76	3188	157
	Apr 2020	134	125	5	77	0	77	130	6026.87	3230	293
	May 2020	245	192	8	180	0	180	130	6026.98	3234	712
	Jun 2020	390	263	10	119	0	119	135	6030.35	3363	539
	Jul 2020	210	174	14	135	0	135	136	6030.97	3387	235
	Aug 2020	89	123	13	135	0	135	135	6030.34	3362	160
	Sep 2020	55	146	11	135	0	135	135	6030.34	3362	154
	WY 2020	**1450**	**1533**	**80**	**1308**	**0**	**1308**				**2830**

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	8	8	9314.93	78
H	Nov 2017	6	6	9315.09	78
I	Dec 2017	4	6	9313.84	76
S	Jan 2018	4	6	9312.64	74
T	Feb 2018	4	6	9311.50	72
O	Mar 2018	5	6	9310.51	71
R	Apr 2018	8	7	9311.18	72
I	May 2018	24	12	9318.33	84
C	Jun 2018	13	15	9317.29	82
A	Jul 2018	5	14	9311.71	73
L	Aug 2018	3	13	9305.51	63
*	Sep 2018	3	8	9301.71	58
	WY 2018	**88**	**108**		
	Oct 2018	4	3	9301.92	58
	Nov 2018	4	3	9302.28	58
	Dec 2018	3	3	9302.21	58
	Jan 2019	3	3	9302.14	58
	Feb 2019	2	3	9301.57	57
	Mar 2019	3	3	9301.50	57
	Apr 2019	5	3	9302.91	59
	May 2019	21	10	9310.20	70
	Jun 2019	34	15	9321.24	89
	Jul 2019	14	18	9319.04	85
	Aug 2019	7	15	9314.46	77
	Sep 2019	6	13	9310.20	70
	WY 2019	**105**	**92**		
	Oct 2019	6	6	9310.09	70
	Nov 2019	5	5	9309.93	70
	Dec 2019	5	5	9309.60	69
	Jan 2020	4	5	9309.06	68
	Feb 2020	4	5	9308.35	67
	Mar 2020	4	8	9306.02	64
	Apr 2020	9	8	9306.52	65
	May 2020	28	30	9305.38	63
	Jun 2020	42	30	9312.84	75
	Jul 2020	20	10	9318.73	85
	Aug 2020	10	8	9320.00	87
	Sep 2020	7	8	9319.66	86
	WY 2020	**144**	**128**		

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	37	37	1	102	0	102	7500.64	667
H	Nov 2017	32	32	0	40	0	40	7499.68	659
I	Dec 2017	25	27	0	93	0	93	7491.44	593
S	Jan 2018	20	22	0	60	0	60	7486.51	554
T	Feb 2018	23	25	0	32	0	32	7485.54	547
O	Mar 2018	28	29	0	43	0	43	7483.73	534
R	Apr 2018	48	47	1	82	0	82	7478.94	498
I	May 2018	112	100	1	85	0	85	7480.90	513
C	Jun 2018	56	57	1	98	0	98	7475.06	471
A	Jul 2018	21	31	1	101	0	101	7464.43	399
L	Aug 2018	19	28	1	93	0	93	7453.77	334
*	Sep 2018	12	17	1	30	39	68	7444.44	282
	WY 2018	**433**	**453**	**7**	**856**	**39**	**895**		
	Oct 2018	20	20	0	47	0	47	7438.99	255
	Nov 2018	20	20	0	18	0	18	7439.33	256
	Dec 2018	17	17	0	25	0	25	7437.77	249
	Jan 2019	15	15	0	30	0	30	7434.70	234
	Feb 2019	13	14	0	25	0	25	7432.31	223
	Mar 2019	24	24	0	26	0	26	7431.90	221
	Apr 2019	54	52	0	48	0	48	7432.57	224
	May 2019	163	152	1	160	0	160	7430.66	215
	Jun 2019	230	211	1	87	0	87	7454.48	338
	Jul 2019	88	92	1	69	0	69	7458.17	360
	Aug 2019	46	54	1	75	0	75	7454.51	338
	Sep 2019	35	42	1	65	0	65	7450.30	314
	WY 2019	**725**	**712**	**5**	**675**	**0**	**675**		
	Oct 2019	36	36	0	43	0	43	7448.96	307
	Nov 2019	30	31	0	14	0	14	7451.92	323
	Dec 2019	26	26	0	15	0	15	7453.89	335
	Jan 2020	24	25	0	15	0	15	7455.67	345
	Feb 2020	22	23	0	14	0	14	7457.29	355
	Mar 2020	36	40	0	14	0	14	7461.37	380
	Apr 2020	77	76	1	36	0	36	7467.56	419
	May 2020	221	223	1	195	0	195	7471.50	446
	Jun 2020	261	249	1	24	0	24	7501.06	670
	Jul 2020	117	107	1	62	0	62	7506.19	713
	Aug 2020	63	61	1	71	0	71	7504.84	702
	Sep 2020	38	39	1	66	0	66	7501.50	674
	WY 2020	**952**	**936**	**8**	**569**	**0**	**569**		

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	38	102	1	103	105	0	105	7153.17	112
H	Nov 2017	34	40	1	41	42	0	42	7152.45	111
I	Dec 2017	26	93	1	94	94	0	94	7152.45	111
S	Jan 2018	22	60	2	62	62	0	63	7150.65	110
T	Feb 2018	24	32	1	33	34	0	34	7149.19	108
O	Mar 2018	29	43	1	44	49	0	49	7143.05	104
R	Apr 2018	54	82	6	87	79	0	79	7154.30	112
I	May 2018	121	85	8	94	94	0	94	7153.76	112
C	Jun 2018	57	98	2	99	99	0	99	7154.16	112
A	Jul 2018	22	101	1	102	101	0	101	7155.49	113
L	Aug 2018	19	93	0	93	94	0	94	7153.96	112
*	Sep 2018	14	68	2	70	84	0	84	7135.77	98
	WY 2018	**460**	**895**	**27**	**922**	**935**	**0**	**937**		
	Oct 2018	21	47	1	48	35	0	35	7153.73	112
	Nov 2018	21	18	1	19	19	0	19	7153.73	112
	Dec 2018	18	25	1	26	26	0	26	7153.73	112
	Jan 2019	15	30	0	30	30	0	30	7153.73	112
	Feb 2019	14	25	1	26	26	0	26	7153.73	112
	Mar 2019	26	26	2	28	28	0	28	7153.73	112
	Apr 2019	60	48	6	54	54	0	54	7153.73	112
	May 2019	178	160	15	175	175	0	175	7153.73	112
	Jun 2019	245	87	15	102	102	0	102	7153.73	112
	Jul 2019	92	69	4	73	73	0	73	7153.73	112
	Aug 2019	48	75	2	77	77	0	77	7153.73	112
	Sep 2019	37	65	2	67	67	0	67	7153.73	112
	WY 2019	**775**	**675**	**50**	**725**	**711**	**0**	**711**		
	Oct 2019	38	43	2	46	46	0	46	7153.73	112
	Nov 2019	32	14	2	16	16	0	16	7153.73	112
	Dec 2019	28	15	2	17	17	0	17	7153.73	112
	Jan 2020	27	15	2	17	17	0	17	7153.73	112
	Feb 2020	25	14	3	16	16	0	16	7153.73	112
	Mar 2020	40	14	4	18	18	0	18	7153.73	112
	Apr 2020	88	36	11	47	47	0	47	7153.73	112
	May 2020	247	195	26	221	221	0	221	7153.73	112
	Jun 2020	281	24	20	44	44	0	44	7153.73	112
	Jul 2020	123	62	6	69	69	0	69	7153.73	112
	Aug 2020	67	71	3	75	75	0	75	7153.73	112
	Sep 2020	41	66	3	68	68	0	68	7153.73	112
	WY 2020	**1037**	**569**	**84**	**654**	**654**	**0**	**654**		

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	43	105	5	110	109	0	109	6751.20	16	55	53
H	Nov 2017	38	42	4	46	46	0	46	6749.89	16	1	46
I	Dec 2017	29	94	3	97	97	0	97	6749.23	16	1	98
S	Jan 2018	25	63	3	66	62	4	66	6747.99	16	1	65
T	Feb 2018	27	34	3	37	16	20	36	6750.06	16	0	34
O	Mar 2018	33	49	4	52	53	0	53	6747.97	16	13	38
R	Apr 2018	60	79	6	84	84	0	84	6749.35	16	53	28
I	May 2018	129	94	9	102	102	0	102	6749.41	16	62	39
C	Jun 2018	61	99	3	102	102	0	102	6750.48	16	63	42
A	Jul 2018	24	101	2	103	103	0	103	6750.59	16	64	41
L	Aug 2018	21	94	2	96	98	0	98	6744.83	15	65	36
*	Sep 2018	15	84	1	85	87	0	87	6737.22	13	59	33
	WY 2018	**505**	**937**	**45**	**982**	**959**	**26**	**985**			**438**	**553**
	Oct 2018	23	35	2	37	32	0	32	6753.04	17	30	2
	Nov 2018	23	19	2	21	21	0	21	6753.04	17	0	21
	Dec 2018	20	26	2	28	28	0	28	6753.04	17	0	28
	Jan 2019	16	30	1	31	31	0	31	6753.04	17	0	31
	Feb 2019	16	26	2	28	28	0	28	6753.04	17	0	28
	Mar 2019	29	28	3	31	31	0	31	6753.04	17	5	26
	Apr 2019	68	54	8	62	62	0	62	6753.04	17	42	20
	May 2019	200	175	22	197	134	63	197	6753.04	17	62	135
	Jun 2019	275	102	30	132	130	2	132	6753.04	17	61	71
	Jul 2019	102	73	10	83	83	0	83	6753.04	17	65	18
	Aug 2019	54	77	6	83	83	0	83	6753.04	17	65	18
	Sep 2019	44	67	7	74	74	0	74	6753.04	17	55	19
	WY 2019	**870**	**711**	**95**	**806**	**737**	**65**	**802**			**385**	**417**
	Oct 2019	45	46	7	52	52	0	52	6753.04	17	30	22
	Nov 2019	37	16	5	21	21	0	21	6753.04	17	0	21
	Dec 2019	32	17	5	22	22	0	22	6753.04	17	0	22
	Jan 2020	31	17	5	22	22	0	22	6753.04	17	0	22
	Feb 2020	29	16	4	20	20	0	20	6753.04	17	0	20
	Mar 2020	46	18	6	25	25	0	25	6753.04	17	5	20
	Apr 2020	101	47	12	60	60	0	60	6753.04	17	42	18
	May 2020	281	221	34	256	134	121	256	6753.04	17	62	194
	Jun 2020	315	44	34	78	78	0	78	6753.04	17	61	17
	Jul 2020	138	69	14	83	83	0	83	6753.04	17	65	18
	Aug 2020	75	75	8	83	83	0	83	6753.04	17	65	18
	Sep 2020	47	68	6	74	74	0	74	6753.04	17	55	19
	WY 2020	**1177**	**654**	**140**	**794**	**673**	**121**	**794**			**385**	**409**

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	9	22	7638.22	61
H	Nov 2017	5	2	7639.49	63
I	Dec 2017	3	1	7640.27	65
S	Jan 2018	3	0	7641.42	67
T	Feb 2018	3	0	7642.57	70
O	Mar 2018	4	0	7644.11	73
R	Apr 2018	15	3	7649.29	85
I	May 2018	30	31	7648.91	84
C	Jun 2018	14	35	7639.22	63
A	Jul 2018	8	35	7624.15	35
L	Aug 2018	5	19	7613.87	22
*	Sep 2018	3	4	7613.06	21
	WY 2018	**102**	**153**		
	Oct 2018	6	2	7616.55	25
	Nov 2018	4	1	7618.67	27
	Dec 2018	3	0	7620.62	30
	Jan 2019	2	0	7621.75	32
	Feb 2019	2	0	7622.86	33
	Mar 2019	4	0	7625.16	37
	Apr 2019	12	0	7631.84	48
	May 2019	44	31	7638.49	61
	Jun 2019	60	43	7646.14	78
	Jul 2019	24	42	7637.88	60
	Aug 2019	16	38	7625.82	38
	Sep 2019	13	30	7613.26	21
	WY 2019	**190**	**187**		
	Oct 2019	13	17	7609.11	17
	Nov 2019	8	2	7614.31	22
	Dec 2019	6	2	7618.01	27
	Jan 2020	5	2	7620.67	30
	Feb 2020	5	2	7622.74	33
	Mar 2020	9	2	7627.00	40
	Apr 2020	23	2	7638.39	61
	May 2020	71	31	7655.57	101
	Jun 2020	70	46	7664.55	124
	Jul 2020	29	41	7659.64	111
	Aug 2020	20	38	7652.40	93
	Sep 2020	17	29	7647.66	81
	WY 2020	**277**	**214**		

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	38	2	49	2	8	32	6055.89	1296	52
H	Nov 2017	19	0	16	1	0	26	6055.04	1286	41
I	Dec 2017	11	0	9	1	0	25	6053.69	1270	40
S	Jan 2018	12	0	9	1	0	23	6052.47	1255	40
T	Feb 2018	13	0	11	1	1	17	6051.73	1246	33
O	Mar 2018	24	2	19	2	6	21	6050.92	1236	30
R	Apr 2018	70	13	46	2	20	38	6049.73	1222	42
I	May 2018	88	16	71	3	36	32	6049.80	1223	69
C	Jun 2018	6	3	24	4	42	42	6044.23	1159	49
A	Jul 2018	-9	0	18	4	42	51	6036.94	1080	53
L	Aug 2018	-7	0	7	3	42	51	6028.27	991	48
*	Sep 2018	2	0	3	2	27	46	6020.80	919	42
	WY 2018	**268**	**36**	**283**	**24**	**224**	**405**			**540**
	Oct 2018	17	0	13	1	6	24	6018.80	901	36
	Nov 2018	15	0	12	1	0	20	6017.91	893	28
	Dec 2018	14	0	11	0	0	20	6016.91	883	27
	Jan 2019	14	0	12	0	0	21	6015.95	875	28
	Feb 2019	18	0	16	1	0	16	6015.89	874	22
	Mar 2019	48	0	44	1	5	16	6018.32	896	28
	Apr 2019	92	2	78	2	21	17	6022.47	935	41
	May 2019	185	9	163	3	36	22	6032.89	1038	117
	Jun 2019	176	23	136	3	52	21	6038.60	1098	138
	Jul 2019	42	22	38	4	57	22	6034.44	1054	71
	Aug 2019	32	1	52	3	48	25	6032.14	1030	55
	Sep 2019	32	1	48	2	26	21	6031.95	1028	44
	WY 2019	**685**	**57**	**625**	**21**	**250**	**244**			**634**
	Oct 2019	39	1	42	1	10	22	6032.85	1038	44
	Nov 2019	31	1	24	1	0	21	6033.11	1040	37
	Dec 2019	25	0	20	1	0	22	6032.95	1039	37
	Jan 2020	22	0	18	1	0	22	6032.59	1035	35
	Feb 2020	30	0	27	1	0	20	6033.20	1041	33
	Mar 2020	92	0	85	1	6	22	6038.62	1098	44
	Apr 2020	170	9	140	2	22	21	6047.25	1194	73
	May 2020	277	21	216	3	36	22	6060.07	1349	168
	Jun 2020	224	37	163	4	53	28	6066.02	1426	180
	Jul 2020	66	29	50	5	57	31	6062.81	1384	98
	Aug 2020	45	5	58	4	48	31	6060.95	1360	69
	Sep 2020	43	2	52	3	26	30	6060.47	1354	62
	WY 2020	**1064**	**104**	**897**	**26**	**257**	**289**			**880**

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	449	533	39	640	0	640	3627.09	5216	14530	634
H	Nov 2017	387	454	37	630	0	630	3625.29	5200	14332	619
I	Dec 2017	299	483	29	740	0	740	3622.85	5179	14068	733
S	Jan 2018	262	442	9	860	0	860	3619.14	5147	13672	861
T	Feb 2018	269	387	10	730	0	730	3616.02	5121	13346	750
O	Mar 2018	332	395	16	800	0	800	3612.23	5090	12956	835
R	Apr 2018	382	419	25	705	0	705	3609.39	5067	12669	738
I	May 2018	1214	968	29	705	0	705	3611.54	5085	12886	730
C	Jun 2018	883	635	45	760	0	760	3609.98	5072	12728	781
A	Jul 2018	123	252	53	860	0	860	3603.80	5023	12116	877
L	Aug 2018	11	260	50	900	0	900	3597.12	4972	11477	911
*	Sep 2018	1	230	45	670	0	670	3592.28	4936	11028	690
	WY 2018	**4612**	**5459**	**386**	**9000**	**0**	**9000**				**9158**
	Oct 2018	250	318	30	625	0	625	3588.84	4911	10716	631
	Nov 2018	300	341	29	625	0	625	3585.59	4888	10426	625
	Dec 2018	250	351	22	750	0	750	3581.12	4857	10035	755
	Jan 2019	260	359	7	850	0	850	3575.69	4820	9575	861
	Feb 2019	270	346	7	760	0	760	3570.97	4789	9185	764
	Mar 2019	460	426	11	790	0	790	3566.64	4761	8838	795
	Apr 2019	690	591	18	700	0	700	3565.14	4751	8720	708
	May 2019	1500	1314	21	700	0	700	3571.99	4795	9269	706
	Jun 2019	2150	1779	35	740	0	740	3582.99	4870	10198	748
	Jul 2019	760	701	44	840	0	840	3581.03	4856	10028	859
	Aug 2019	370	470	43	890	0	890	3575.99	4822	9600	908
	Sep 2019	340	437	39	652	0	652	3573.15	4803	9364	663
	WY 2019	**7600**	**7432**	**306**	**8922**	**0**	**8922**				**9022**
	Oct 2019	455	468	27	480	0	480	3572.71	4800	9328	486
	Nov 2019	447	443	26	500	0	500	3571.78	4794	9251	500
	Dec 2019	363	418	20	600	0	600	3569.46	4779	9064	605
	Jan 2020	361	415	6	720	0	720	3565.85	4756	8776	731
	Feb 2020	393	428	6	640	0	640	3563.26	4740	8574	644
	Mar 2020	665	556	11	675	0	675	3561.71	4730	8454	680
	Apr 2020	1056	839	17	600	0	600	3564.36	4746	8659	608
	May 2020	2343	2054	22	600	0	600	3580.53	4853	9985	606
	Jun 2020	2666	2052	38	630	0	630	3594.86	4955	11267	638
	Jul 2020	1091	1012	49	710	0	710	3597.37	4974	11501	729
	Aug 2020	500	593	49	760	0	760	3595.23	4958	11300	778
	Sep 2020	408	530	45	565	0	565	3594.43	4952	11227	576
	WY 2020	**10747**	**9806**	**315**	**7480**	**0**	**7480**				**7580**

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	640	44	43	596	9.7	23	595	663	1082.30	10202
H	Nov 2017	630	40	42	731	12.3	16	731	656	1080.95	10090
I	Dec 2017	740	43	37	594	9.7	12	593	664	1082.52	10221
S	Jan 2018	860	78	30	449	7.3	10	448	692	1087.50	10642
T	Feb 2018	730	60	28	687	12.4	10	693	696	1088.21	10703
O	Mar 2018	800	70	32	833	13.5	14	832	695	1088.11	10694
R	Apr 2018	705	43	39	1015	17.1	21	1015	675	1084.49	10387
I	May 2018	705	21	44	1055	17.1	27	1054	651	1080.00	10011
C	Jun 2018	760	27	53	986	16.6	28	985	634	1076.81	9748
A	Jul 2018	860	106	65	820	13.3	27	819	637	1077.43	9799
L	Aug 2018	900	74	70	749	12.2	28	748	645	1078.88	9918
*	Sep 2018	670	86	58	725	12.2	26	724	642	1078.29	9870
	WY 2018	**9000**	**692**	**541**	**9240**		**243**	**9237**			
	Oct 2018	625	69	42	659	10.7	37	659	639	1077.79	9829
	Nov 2018	625	61	42	703	11.8	30	703	633	1076.77	9745
	Dec 2018	750	50	36	472	7.7	22	472	650	1079.83	9997
	Jan 2019	850	78	30	610	9.9	12	610	667	1082.94	10256
	Feb 2019	760	93	28	684	12.3	14	684	674	1084.36	10376
	Mar 2019	790	56	31	1054	17.1	21	1054	659	1081.45	10132
	Apr 2019	700	48	38	1058	17.8	23	1058	636	1077.23	9783
	May 2019	700	31	43	966	15.7	27	966	617	1073.71	9496
	Jun 2019	740	12	51	907	15.2	33	907	603	1070.91	9272
	Jul 2019	840	81	64	825	13.4	36	825	602	1070.87	9269
	Aug 2019	890	112	68	739	12.0	34	739	612	1072.75	9419
	Sep 2019	652	105	56	733	12.3	27	733	609	1072.07	9364
	WY 2019	**8922**	**796**	**529**	**9411**		**317**	**9411**			
	Oct 2019	480	69	41	509	8.3	28	509	607	1071.72	9337
	Nov 2019	500	61	41	669	11.2	21	669	597	1069.72	9178
	Dec 2019	600	50	35	593	9.6	14	593	597	1069.82	9185
	Jan 2020	720	78	29	607	9.9	14	607	606	1071.57	9324
	Feb 2020	640	93	26	663	11.5	17	663	608	1071.88	9349
	Mar 2020	675	56	29	988	16.1	22	988	589	1068.24	9060
	Apr 2020	600	48	36	997	16.8	25	997	564	1063.30	8675
	May 2020	600	31	40	917	14.9	31	917	542	1058.90	8340
	Jun 2020	630	12	48	929	15.6	31	929	520	1054.30	7997
	Jul 2020	710	81	59	813	13.2	31	813	513	1052.88	7892
	Aug 2020	760	112	62	773	12.6	28	773	514	1052.99	7900
	Sep 2020	565	105	51	701	11.8	25	701	507	1051.61	7800
	WY 2020	**7480**	**796**	**497**	**9160**		**285**	**9160**			

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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)
*	Oct 2017	596	-2	15	671	0	671	10.9	636.00	1512
H	Nov 2017	731	-18	11	595	0	595	10.0	640.07	1619
I	Dec 2017	594	-16	9	552	0	552	9.0	640.68	1636
S	Jan 2018	449	2	10	437	0	437	7.1		1641
T	Feb 2018	687	-4	10	611	0	611	11.0	643.18	1704
O	Mar 2018	833	-1	13	836	0	836	13.6	642.57	1687
R	Apr 2018	1015	-3	17	1001	0	1001	16.8	642.40	1682
I	May 2018	1055	-11	22	1001	0	1001	16.3	643.17	1703
C	Jun 2018	986	-21	26	909	0	909	15.3	644.29	1734
A	Jul 2018	820	-6	26	827	0	827	13.4	642.91	1696
L	Aug 2018	749	-13	23	730	0	730	11.9	642.29	1679
*	Sep 2018	725	-11	18	814	0	814	13.7	637.87	1561
	WY 2018	**9240**	**-103**	**198**	**8981**	**0**	**8981**			
	Oct 2018	659	-4	15	690	0	690	11.2	636.00	1512
	Nov 2018	703	-12	10	627	0	627	10.5	638.00	1564
	Dec 2018	472	-12	9	425	0	425	6.9	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	811	0	811	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	**9411**	**-166**	**198**	**8989**	**0**	**8989**			
	Oct 2019	509	-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
	Sep 2020	701	-12	18	724	0	724	12.2	640.01	1618
	WY 2020	**9160**	**-166**	**197**	**8796**	**0**	**8796**			

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 2018 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Oct 2017	671	9	12	478	7.8	69	131	446.27	548	65	1.1
H	Nov 2017	595	12	9	349	5.9	89	127	447.86	577	99	1.7
I	Dec 2017	552	17	7	335	5.5	100	144	446.80	557	109	1.8
S	Jan 2018	437	3	6	329	5.3	29	90	445.81	539	125	2.0
T	Feb 2018	611	3	8	429	7.7	12	109	448.52	590	145	2.6
O	Mar 2018	836	-3	9	637	10.4	61	139	447.46	570	195	3.2
R	Apr 2018	1001	-8	11	735	12.4	75	168	447.13	564	175	2.9
I	May 2018	1001	10	13	697	11.3	87	178	448.51	590	124	2.0
C	Jun 2018	909	6	15	712	12.0	91	88	448.43	588	136	2.3
A	Jul 2018	827	20	17	656	10.7	101	72	448.00	580	133	2.2
L	Aug 2018	730	21	17	611	9.9	99	22	447.53	571	104	1.7
*	Sep 2018	814	10	15	512	8.6	95	164	448.95	598	94	1.6
	WY 2018	**8981**	**100**	**139**	**6479**		**910**	**1431**			**1504**	
	Oct 2018	690	23	12	461	7.5	85	175	447.50	571	63	1.0
	Nov 2018	627	16	9	407	6.8	82	139	447.50	571	97	1.6
	Dec 2018	425	18	7	301	4.9	26	124	446.50	552	104	1.7
	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	811	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	**8989**	**200**	**139**	**6471**		**927**	**1574**			**1444**	
	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
	Sep 2020	724	17	15	507	8.5	97	112	447.50	570	86	1.5
	WY 2020	**8796**	**200**	**139**	**6455**		**955**	**1342**			**1460**	

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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
*	Oct 2017	596	9.7	1082.30	10202	21	441.43	976.1	229.0	66	384.2
H	Nov 2017	731	12.3	1080.95	10090	-113	435.01	996.0	287.9	63	393.6
I	Dec 2017	594	9.7	1082.52	10221	131	439.05	821.0	235.7	52	396.6
S	Jan 2018	449	7.3	1087.50	10642	421	442.14	834.0	176.5	51	392.9
T	Feb 2018	687	12.4	1088.21	10703	61	441.97	1220.1	275.0	75	400.3
O	Mar 2018	833	13.5	1088.11	10694	-9	442.23	1005.9	333.9	62	400.8
R	Apr 2018	1015	17.1	1084.49	10387	-308	437.15	880.9	406.2	55	400.0
I	May 2018	1055	17.1	1080.00	10011	-376	432.39	1385.9	412.1	88	390.8
C	Jun 2018	986	16.6	1076.81	9748	-263	428.91	1552.0	378.6	100	384.1
A	Jul 2018	820	13.3	1077.43	9799	51	432.34	1552.0	313.2	100	382.0
L	Aug 2018	749	12.2	1078.88	9918	119	435.01	1562.0	287.4	100	383.8
*	Sep 2018	725	12.2	1078.29	9870	-49	434.15	1562.0	278.7	100	384.7
	WY 2018	**9240**							**3614.3**		
	Oct 2018	659	10.7	1077.79	9829	-41	429.95	1406.1	252.6	87	383.0
	Nov 2018	703	11.8	1076.77	9745	-83	431.84	1005.9	277.5	62	394.7
	Dec 2018	472	7.7	1079.83	9997	252	432.55	880.9	185.5	55	392.7
	Jan 2019	610	9.9	1082.94	10256	259	429.59	1576.0	234.3	100	384.1
	Feb 2019	684	12.3	1084.36	10376	119	430.92	1552.0	265.7	100	388.6
	Mar 2019	1054	17.1	1081.45	10132	-244	429.78	1552.0	408.1	100	387.1
	Apr 2019	1058	17.8	1077.23	9783	-349	425.85	1562.0	407.8	100	385.4
	May 2019	966	15.7	1073.71	9496	-287	422.03	1562.0	369.7	100	382.7
	Jun 2019	907	15.2	1070.91	9272	-225	422.26	1067.9	352.3	68	388.6
	Jul 2019	825	13.4	1070.87	9269	-3	421.97	945.0	322.8	61	391.4
	Aug 2019	739	12.0	1072.75	9419	151	423.22	950.0	286.9	61	388.0
	Sep 2019	733	12.3	1072.07	9364	-55	424.26	999.0	285.4	63	389.4
	WY 2019	**9411**							**3648.7**		
	Oct 2019	509	8.3	1071.72	9337	-28	426.03	999.0	198.2	63	389.1
	Nov 2019	669	11.2	1069.72	9178	-159	427.09	1000.0	259.1	63	387.6
	Dec 2019	593	9.6	1069.82	9185	7	424.68	925.9	228.1	60	384.7
	Jan 2020	607	9.9	1071.57	9324	139	423.36	913.0	233.6	60	384.6
	Feb 2020	663	11.5	1071.88	9349	25	419.10	1512.0	249.1	100	375.6
	Mar 2020	988	16.1	1068.24	9060	-289	420.92	944.8	382.2	63	387.0
	Apr 2020	997	16.8	1063.30	8675	-385	416.67	871.6	386.4	60	387.4
	May 2020	917	14.9	1058.90	8340	-335	412.03	858.0	349.4	60	381.0
	Jun 2020	929	15.6	1054.30	7997	-343	403.35	1409.7	338.6	100	364.4
	Jul 2020	813	13.2	1052.88	7892	-105	400.69	1401.7	295.5	100	363.5
	Aug 2020	773	12.6	1052.99	7900	8	400.37	1402.3	279.6	100	361.5
	Sep 2020	701	11.8	1051.61	7800	-100	400.39	1394.5	251.7	100	359.2
	WY 2020	**9160**							**3451.6**		

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 2018 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Oct 2017	671	10.9	636.00	1512	-91	134.26	179.3	81.3	70	121.3
H	Nov 2017	595	10.0	640.07	1619	107	138.81	151.3	73.1	59	122.7
I	Dec 2017	552	9.0	640.68	1636	17	139.44	131.6	69.5	52	126.0
S	Jan 2018	437	7.1		1641	5	141.78	159.6	55.0	63	125.9
T	Feb 2018	611	11.0	643.18	1704	63	142.18	162.1	76.6	64	125.4
O	Mar 2018	836	13.6	642.57	1687	-17	139.99	189.2	105.4	74	126.1
R	Apr 2018	1001	16.8	642.40	1682	-5	141.14	207.4	125.1	81	125.0
I	May 2018	1001	16.3	643.17	1703	21	141.89	204.0	126.2	80	126.1
C	Jun 2018	909	15.3	644.29	1734	31	143.00	255.0	115.0	100	126.6
A	Jul 2018	827	13.4	642.91	1696	-38	141.79	255.0	105.3	100	127.4
L	Aug 2018	730	11.9	642.29	1679	-17	141.02	255.0	92.7	100	127.1
*	Sep 2018	814	13.7	637.87	1561	-119	136.59	255.0	101.2	100	124.3
	WY 2018	**8981**							**1126.3**		
	Oct 2018	690	11.2	636.00	1512	-49	131.78	184.3	83.5	72	121.1
	Nov 2018	627	10.5	638.00	1564	52	132.93	153.0	76.2	60	121.4
	Dec 2018	425	6.9	639.01	1591	27	132.69	207.3	52.8	81	124.1
	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	811	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	**8989**							**1118.4**		
	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
	Sep 2020	724	12.2	640.01	1618	-54	133.94	255.0	90.0	100	124.4
	WY 2020	**8796**							**1092.8**		

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 2018 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Oct 2017	478	7.8	446.27	548	-17	80.03	92.9	33.6	77	70.4
H	Nov 2017	349	5.9	447.86	577	30	81.65	90.0	24.1	75	69.2
I	Dec 2017	335	5.5	446.80	557	-20	81.55	92.9	22.5	77	67.0
S	Jan 2018	329	5.3	445.81	539	-18	80.05	117.1	22.8	98	69.2
T	Feb 2018	429	7.7	448.52	590	50	81.30	92.1	30.3	77	70.6
O	Mar 2018	638	10.4	447.46	570	-20	81.79	102.6	44.9	85	70.4
R	Apr 2018	735	12.4	447.13	564	-6	81.11	120.0	50.8	100	69.1
I	May 2018	697	11.3	448.51	590	26	82.36	120.0	48.5	100	69.6
C	Jun 2018	712	12.0	448.43	588	-1	80.33	120.0	49.7	100	69.9
A	Jul 2018	656	10.7	448.00	580	-8	81.97	120.0	46.0	100	70.2
L	Aug 2018	611	9.9	447.53	571	-9	79.27	120.0	42.7	100	69.9
*	Sep 2018	512	8.6	448.95	598	27	83.02	120.0	35.9	100	70.1
	WY 2018	**6479**							**451.7**		
	Oct 2018	461	7.5	447.50	571	-28	77.00	90.0	30.6	75	66.4
	Nov 2018	407	6.8	447.50	571	0	76.19	92.0	26.7	77	65.5
	Dec 2018	301	4.9	446.50	552	-19	74.69	113.2	18.9	94	63.0
	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	**6471**							**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
	Sep 2020	507	8.5	447.50	570	0	74.89	120.0	32.9	100	65.0
	WY 2020	**6455**							**422.7**		

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 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
*	Oct 2017	294	42	30	37	21	7
H	Nov 2017	288	55	12	14	8	7
I	Dec 2017	339	68	27	33	19	6
S	Jan 2018	394	68	17	21	12	6
T	Feb 2018	335	60	9	12	3	5
O	Mar 2018	364	41	12	16	9	1
	Winter 2018	**2013**	**334**	**107**	**133**	**71**	**31**
R	Apr 2018	318	39	23	27	16	5
I	May 2018	318	63	23	33	20	7
C	Jun 2018	343	50	27	34	20	8
A	Jul 2018	384	48	27	36	20	8
L	Aug 2018	393	50	24	33	19	7
*	Sep 2018	288	47	8	29	16	1
	Summer 2018	**2045**	**297**	**133**	**193**	**111**	**36**
	Oct 2018	242	36	12	12	5	6
	Nov 2018	239	33	4	7	4	5
	Dec 2018	286	45	6	9	5	5
	Jan 2019	321	45	7	11	5	5
	Feb 2019	283	41	6	9	5	4
	Mar 2019	292	31	6	10	5	4
	Winter 2019	**1664**	**230**	**42**	**58**	**29**	**30**
	Apr 2019	256	30	12	20	11	5
	May 2019	257	40	39	63	23	6
	Jun 2019	277	61	22	37	22	8
	Jul 2019	318	37	18	26	14	10
	Aug 2019	334	38	20	28	14	7
	Sep 2019	244	37	17	24	13	6
	Summer 2019	**1687**	**245**	**129**	**198**	**98**	**41**
	Oct 2019	179	25	11	16	9	6
	Nov 2019	185	26	4	6	4	6
	Dec 2019	222	38	4	6	4	6
	Jan 2020	265	38	4	6	4	5
	Feb 2020	234	36	4	6	3	5
	Mar 2020	245	29	4	7	4	5
	Winter 2020	**1331**	**192**	**30**	**47**	**28**	**33**
	Apr 2020	218	28	10	17	10	5
	May 2020	222	66	54	80	23	7
	Jun 2020	242	44	7	16	13	9
	Jul 2020	277	50	19	25	14	10
	Aug 2020	297	50	22	27	14	10
	Sep 2020	221	50	20	25	13	9
	Summer 2020	**1256**	**237**	**112**	**164**	**76**	**40**

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

RECLAMATION
Managing Water in the West

October 2018 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions

Date	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
	****PREDICTED SPACE****							****CREDITABLE SPACE****										
Oct 2018	453	547	777	13294	15071	17507	32578	453	547	777	1777	13294	17507	32578	3040	659	0	27.6
Nov 2018	506	575	795	13606	15482	17548	33031	506	575	795	1876	13606	17548	33031	3810	703	0	27.2
Dec 2018	547	573	803	13896	15820	17632	33452	547	573	803	1924	13896	17632	33452	4580	472	0	27.0
Jan 2019	634	581	813	14287	16314	17380	33694	634	581	813	2028	14287	17380	33694	5350	610	0	26.7
								****EFFECTIVE SPACE****										
Jan 2019	634	581	813	14287	16314	17380	33694	217	142	355	713	14287	17380	32380	5350	610	0	26.7
Feb 2019	713	596	821	14747	16877	17121	33997	295	157	363	814	14747	17121	32682	1500	684	0	26.4
Mar 2019	780	607	822	15137	17345	17001	34346	361	168	363	892	15137	17001	33030	1500	1054	0	25.9
Apr 2019	775	609	800	15484	17668	17245	34913	352	170	334	856	15484	17245	33586	1500	1058	0	25.5
May 2019	740	606	761	15602	17708	17594	35302	310	165	273	748	15602	17594	33943	1500	966	0	25.9
Jun 2019	685	614	658	15053	17010	17881	34891	246	162	131	539	15053	17881	33473	1500	907	0	27.0
Jul 2019	550	491	598	14124	15764	18105	33869	98	19	16	133	14124	18105	32362	1500	825	0	26.8
								****CREDITABLE SPACE****										
Aug 2019	470	469	642	14294	15875	18108	33984	470	469	642	1582	14294	18108	33984	1500	739	0	26.4
Sep 2019	512	491	666	14722	16391	17958	34349	512	491	666	1669	14722	17958	34349	2270	733	0	26.0
Oct 2019	574	515	668	14958	16714	18013	34727	574	515	668	1757	14958	18013	34727	3040	509	0	25.7
Nov 2019	594	523	658	14994	16769	18040	34809	594	523	658	1775	14994	18040	34809	3810	669	0	25.5
Dec 2019	619	506	656	15071	16852	18199	35051	619	506	656	1781	15071	18199	35051	4580	593	0	25.4
Jan 2020	690	495	657	15258	17100	18192	35292	690	495	657	1842	15258	18192	35292	5350	607	0	25.2
								****EFFECTIVE SPACE****										
Jan 2020	690	495	657	15258	17100	18192	35292	372	399	535	1306	15258	18192	34756	5350	607	0	25.2
Feb 2020	756	484	661	15546	17447	18053	35500	436	389	539	1364	15546	18053	34962	1500	663	0	25.0
Mar 2020	811	475	655	15748	17689	18028	35716	489	380	532	1401	15748	18028	35177	1500	988	0	24.7
Apr 2020	793	450	598	15868	17709	18317	36026	467	359	468	1293	15868	18317	35478	1500	997	0	24.8
May 2020	744	410	502	15663	17319	18702	36021	411	317	348	1076	15663	18702	35441	1500	917	0	26.0
Jun 2020	688	384	347	14337	15756	19037	34793	346	292	154	791	14337	19037	34165	1500	929	0	27.5
Jul 2020	436	159	270	13055	13920	19380	33300	75	55	19	148	13055	19380	32584	1500	813	0	27.7
								****CREDITABLE SPACE****										
Aug 2020	378	116	312	12821	13628	19485	33113	378	116	312	807	12821	19485	33113	1500	773	0	27.4
Sep 2020	439	128	336	13022	13924	19477	33401	439	128	336	903	13022	19477	33401	2270	701	0	27.0

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

Model Run ID: 3075

Processed On: 10/11/2018 9:11:56AM