

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
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In addition to the August 2018 24-Month Study based on the Most Probable inflow scenario, Reclamation conducted model runs to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. The Probable Minimum inflow scenario reflects a dry hydrologic condition which statistically would be exceeded 90% of the time. The Most Probable inflow scenario reflects a median hydrologic condition which statistically would be exceeded 50% of the time. The Probable Maximum inflow scenario reflects a wet hydrologic condition which statistically would be exceeded 10% of the time. There is approximately an 80% probability that a future elevation will fall inside the range of the minimum and maximum inflow scenarios. There are possible inflow scenarios that would result in reservoir elevations falling outside the ranges indicated in these reports.

The projected Lake Mead elevations resulting from these three inflow scenarios are summarized in a graph located at the following link:
<https://www.usbr.gov/lc/region/g4000/24mo/2018/August-Chart.pdf>.

The water year 2019 unregulated inflow into Lake Powell in the August Probable Maximum inflow scenario is 15.60 maf, or 144 percent of average. Consistent with the Interim Guidelines, the August Probable Maximum 24-Month Study results in a projected annual release volume from Glen Canyon Dam of 9.00 maf in water years 2018 and 2019. With intervening flows between Lake Powell and Lake Mead of 0.88 maf in water year 2019, Lake Mead's elevation is projected to be 1,075.27 feet on September 30, 2019.

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/uc/water/rsvrs/ops/aop/AOP18.pdf>.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2018 24-Month Study

Maximum Probable Inflow*

Fontenelle Reservoir



	Regulated Inflow	Evap Losses	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Aug 2017	102	2	95	61	156	6496.34	271
H Sep 2017	66	2	69	4	72	6495.21	263
WY 2017	2319	15	379	1890	2270		
I Oct 2017	73	1	80	0	80	6494.03	255
S Nov 2017	62	1	78	0	78	6491.65	238
T Dec 2017	46	1	72	8	80	6486.39	204
O Jan 2018	42	1	79	1	80	6479.83	165
R Feb 2018	38	0	72	0	72	6472.86	131
I Mar 2018	58	0	16	56	71	6469.78	117
C Apr 2018	101	1	83	4	87	6472.76	130
A May 2018	354	2	100	123	223	6494.84	260
L Jun 2018	404	2	101	269	370	6499.18	292
* Jul 2018	138	3	92	8	100	6503.79	327
Aug 2018	70	2	77	0	77	6502.65	319
Sep 2018	50	2	68	0	68	6500.01	299
WY 2018	1436	15	918	469	1386		
Oct 2018	53	1	71	0	71	6497.45	280
Nov 2018	53	1	68	0	68	6495.20	264
Dec 2018	38	1	71	0	71	6490.35	231
Jan 2019	37	1	71	0	71	6484.99	196
Feb 2019	33	1	64	0	64	6479.56	164
Mar 2019	66	0	99	4	102	6472.00	128
Apr 2019	130	1	94	25	119	6474.20	138
May 2019	263	1	103	28	131	6495.91	269
Jun 2019	530	3	101	373	474	6503.03	322
Jul 2019	328	3	103	265	368	6497.34	279
Aug 2019	130	2	69	0	69	6504.97	337
Sep 2019	70	2	71	0	71	6504.53	334
WY 2019	1730	16	985	694	1679		
Oct 2019	66	1	74	0	74	6503.40	325
Nov 2019	52	1	71	0	71	6500.77	305
Dec 2019	35	1	74	0	74	6495.35	265
Jan 2020	34	1	74	0	74	6489.30	224
Feb 2020	30	1	69	0	69	6483.16	185
Mar 2020	59	1	92	0	92	6476.90	151
Apr 2020	102	1	95	29	124	6472.20	129
May 2020	212	1	98	83	181	6478.40	158
Jun 2020	389	2	102	146	248	6499.79	297
Jul 2020	240	3	102	104	205	6503.89	329

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2018 24-Month Study

Maximum 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)
* Aug 2017	120	174	13	143	0	143	143	6035.05	3548	173
H Sep 2017	87	93	11	141	0	141	140	6033.63	3491	161
WY 2017	3153	3104	81	2016	712	2728				4225
I Oct 2017	88	95	8	107	0	107	140	6033.17	3473	151
S Nov 2017	82	98	4	139	0	139	138	6032.07	3430	166
T Dec 2017	52	86	2	174	0	174	135	6029.85	3343	197
O Jan 2018	52	90	2	175	0	175	131	6027.65	3259	208
R Feb 2018	57	91	2	155	1	157	129	6025.91	3194	197
I Mar 2018	86	99	3	106	0	106	128	6025.65	3184	178
C Apr 2018	121	108	5	101	0	101	128	6025.69	3186	277
A May 2018	422	290	8	163	6	169	133	6028.57	3294	572
L Jun 2018	435	401	11	125	0	125	143	6035.09	3550	278
* Jul 2018	140	102	14	120	0	120	142	6034.33	3519	141
Aug 2018	72	79	13	123	0	123	139	6032.94	3464	128
Sep 2018	52	70	12	125	0	125	137	6031.33	3400	131
WY 2018	1659	1609	83	1613	7	1620				2623
Oct 2018	58	76	7	135	0	135	134	6029.66	3336	153
Nov 2018	75	91	3	131	0	131	133	6028.57	3294	168
Dec 2018	52	85	2	135	0	135	131	6027.24	3244	163
Jan 2019	56	90	2	154	0	154	128	6025.57	3181	181
Feb 2019	61	92	2	140	0	140	126	6024.27	3133	175
Mar 2019	146	182	3	185	0	185	126	6024.11	3128	276
Apr 2019	219	208	5	173	0	173	127	6024.92	3157	461
May 2019	428	295	8	266	0	266	128	6025.48	3178	989
Jun 2019	747	691	10	282	190	472	136	6030.77	3379	1118
Jul 2019	421	461	14	283	0	283	142	6034.77	3537	480
Aug 2019	167	107	13	154	0	154	140	6033.33	3479	193
Sep 2019	99	100	12	149	0	149	138	6031.86	3422	180
WY 2019	2530	2479	81	2186	190	2376				4536
Oct 2019	92	99	7	135	0	135	136	6030.79	3380	183
Nov 2019	68	88	4	131	0	131	134	6029.63	3335	171
Dec 2019	39	79	2	135	0	135	132	6028.16	3279	163
Jan 2020	45	86	2	135	0	135	130	6026.85	3229	163
Feb 2020	49	88	2	144	0	144	128	6025.36	3174	175
Mar 2020	115	148	3	172	0	172	127	6024.66	3148	261
Apr 2020	164	186	5	179	0	179	127	6024.73	3150	439
May 2020	323	292	8	179	0	179	131	6027.46	3252	836
Jun 2020	523	382	11	181	0	181	138	6032.21	3435	748
Jul 2020	291	257	14	141	0	141	142	6034.66	3533	287

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2018 24-Month Study

Maximum 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)
*	Aug 2017	12	25	9320.31	88
H	Sep 2017	8	18	9314.58	77
WY 2017		179	173		
I	Oct 2017	8	8	9314.93	78
S	Nov 2017	6	6	9315.09	78
T	Dec 2017	4	6	9313.84	76
O	Jan 2018	4	6	9312.64	74
R	Feb 2018	4	6	9311.50	72
I	Mar 2018	5	6	9310.51	71
C	Apr 2018	8	7	9311.18	72
A	May 2018	24	12	9318.33	84
L	Jun 2018	13	15	9317.29	82
*	Jul 2018	5	14	9311.71	73
	Aug 2018	4	15	9304.35	61
	Sep 2018	4	12	9298.72	53
WY 2018		90	114		
	Oct 2018	4	4	9299.00	54
	Nov 2018	5	3	9300.63	56
	Dec 2018	5	3	9301.91	58
	Jan 2019	4	3	9302.68	59
	Feb 2019	4	3	9303.19	60
	Mar 2019	4	3	9303.98	61
	Apr 2019	9	10	9303.47	60
	May 2019	32	16	9313.92	76
	Jun 2019	52	31	9325.44	97
	Jul 2019	30	24	9328.80	104
	Aug 2019	13	20	9325.46	97
	Sep 2019	8	15	9321.77	90
WY 2019		170	133		
	Oct 2019	7	7	9321.89	90
	Nov 2019	6	5	9322.23	91
	Dec 2019	5	5	9322.26	91
	Jan 2020	5	5	9322.08	91
	Feb 2020	4	5	9321.62	90
	Mar 2020	5	8	9319.84	87
	Apr 2020	10	8	9321.02	89
	May 2020	34	30	9322.91	92
	Jun 2020	52	40	9329.15	104
	Jul 2020	25	25	9329.32	105

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2018 24-Month Study

Maximum Probable Inflow*
Blue Mesa Reservoir



	UnReg	Regulated	Evap	Power	Bypass	Total	Reservoir Elev	Live
Date	Inflow	Inflow	Losses	Release	Release	Release	End of Month	Storage
	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Aug 2017	84	96	1	111	0	111	7516.38	802
H Sep 2017	35	45	1	115	0	114	7508.43	732
WY 2017	1245	1238	9	987	101	1163		
I Oct 2017	37	37	1	102	0	102	7500.64	667
S Nov 2017	32	32	0	40	0	40	7499.68	659
T Dec 2017	25	27	0	93	0	93	7491.44	593
O Jan 2018	20	22	0	60	0	60	7486.51	554
R Feb 2018	23	25	0	32	0	32	7485.54	547
I Mar 2018	28	29	0	43	0	43	7483.73	534
C Apr 2018	48	47	1	82	0	82	7478.94	498
A May 2018	112	100	1	85	0	85	7480.90	513
L Jun 2018	56	57	1	98	0	98	7475.06	471
* Jul 2018	21	31	1	101	0	101	7464.43	399
Aug 2018	21	32	1	96	0	96	7453.92	335
Sep 2018	22	30	1	88	0	88	7443.22	276
WY 2018	445	469	7	918	0	918		
Oct 2018	22	22	0	50	0	50	7437.56	248
Nov 2018	29	27	0	23	0	23	7438.45	252
Dec 2018	23	21	0	23	0	23	7438.06	250
Jan 2019	21	20	0	22	0	22	7437.58	248
Feb 2019	20	19	0	23	0	23	7436.68	243
Mar 2019	34	33	0	31	0	31	7436.90	244
Apr 2019	87	88	0	41	0	41	7445.89	290
May 2019	282	265	1	180	0	180	7460.56	375
Jun 2019	342	321	1	51	0	51	7497.76	643
Jul 2019	175	168	1	84	0	84	7507.70	726
Aug 2019	77	84	1	103	0	103	7505.31	706
Sep 2019	44	51	1	102	0	102	7499.05	654
WY 2019	1155	1118	7	734	0	734		
Oct 2019	43	42	1	62	0	62	7496.53	633
Nov 2019	33	33	0	41	0	41	7495.43	624
Dec 2019	27	27	0	54	0	54	7492.05	597
Jan 2020	26	26	0	54	0	54	7488.44	569
Feb 2020	24	24	0	45	0	45	7485.74	549
Mar 2020	39	43	0	24	0	24	7488.17	567
Apr 2020	93	91	1	44	0	44	7494.10	614
May 2020	276	272	1	208	32	240	7497.96	645
Jun 2020	338	326	1	204	2	207	7511.92	763
Jul 2020	152	152	2	90	0	90	7518.60	822

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2018 24-Month Study

Maximum 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)
* Aug 2017	86	111	2	113	0	0	115	7152.68	111
H Sep 2017	35	114	0	115	92	0	112	7155.62	114
WY 2017	1314	1163	69	1232	893	0	1226		
I Oct 2017	38	102	1	103	105	0	105	7153.17	112
S Nov 2017	34	40	1	41	42	0	42	7152.45	111
T Dec 2017	26	93	1	94	94	0	94	7152.45	111
O Jan 2018	22	60	2	62	62	0	63	7150.65	110
R Feb 2018	24	32	1	33	34	0	34	7149.19	108
I Mar 2018	29	43	1	44	49	0	49	7143.05	104
C Apr 2018	54	82	6	87	79	0	79	7154.30	112
A May 2018	121	85	8	94	94	0	94	7153.76	112
L Jun 2018	57	98	2	99	99	0	99	7154.16	112
* Jul 2018	22	101	1	102	101	0	101	7155.49	113
Aug 2018	21	96	0	96	97	0	97	7153.73	112
Sep 2018	22	88	0	88	88	0	88	7153.73	112
WY 2018	470	918	25	943	942	0	944		
Oct 2018	22	50	0	50	50	0	50	7153.73	112
Nov 2018	30	23	1	23	23	0	23	7153.73	112
Dec 2018	24	23	1	24	24	0	24	7153.73	112
Jan 2019	22	22	1	24	24	0	24	7153.73	112
Feb 2019	21	23	1	25	25	0	25	7153.73	112
Mar 2019	36	31	2	34	34	0	34	7153.73	112
Apr 2019	95	41	8	50	50	0	50	7153.73	112
May 2019	305	180	23	203	203	0	203	7153.73	112
Jun 2019	357	51	15	67	67	0	67	7153.73	112
Jul 2019	179	84	4	88	88	0	88	7153.73	112
Aug 2019	78	103	1	104	104	0	104	7153.73	112
Sep 2019	45	102	1	103	103	0	103	7153.73	112
WY 2019	1215	734	60	794	794	0	794		
Oct 2019	44	62	1	64	64	0	64	7153.73	112
Nov 2019	35	41	2	43	43	0	43	7153.73	112
Dec 2019	30	54	2	56	56	0	56	7153.73	112
Jan 2020	28	54	2	56	56	0	56	7153.73	112
Feb 2020	26	45	3	48	48	0	48	7153.73	112
Mar 2020	44	24	4	28	28	0	28	7153.73	112
Apr 2020	106	44	13	56	56	0	56	7153.73	112
May 2020	308	240	32	272	272	0	272	7153.73	112
Jun 2020	366	207	28	235	235	0	235	7153.73	112
Jul 2020	159	90	7	98	98	0	98	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2018 24-Month Study

Maximum 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)
* Aug 2017	89	115	3	119	119	0	119	6744.79	15	62	58
H 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
I Oct 2017	43	105	5	110	109	0	109	6751.20	16	55	53
S Nov 2017	38	42	4	46	46	0	46	6749.89	16	1	46
T Dec 2017	29	94	3	97	97	0	97	6749.23	16	1	98
O Jan 2018	25	63	3	66	62	4	66	6747.99	16	1	65
R Feb 2018	27	34	3	37	16	20	36	6750.06	16	0	34
I Mar 2018	33	49	4	52	53	0	53	6747.97	16	13	38
C Apr 2018	60	79	6	84	84	0	84	6749.35	16	53	28
A May 2018	129	94	9	102	102	0	102	6749.41	16	62	40
L Jun 2018	61	99	3	102	102	0	102	6750.48	16	63	44
* Jul 2018	24	101	2	103	103	0	103	6750.59	16	64	43
Aug 2018	22	97	1	98	97	0	97	6753.04	17	65	32
Sep 2018	23	88	1	89	89	0	89	6753.04	17	55	34
WY 2018	514	944	44	987	960	26	986			434	556
Oct 2018	23	50	1	51	51	0	51	6753.04	17	30	21
Nov 2018	34	23	3	27	27	0	27	6753.04	17	0	27
Dec 2018	28	24	3	28	28	0	28	6753.04	17	0	28
Jan 2019	27	24	4	28	28	0	28	6753.04	17	0	28
Feb 2019	24	25	3	28	28	0	28	6753.04	17	0	28
Mar 2019	41	34	5	38	38	0	38	6753.04	17	5	33
Apr 2019	105	50	10	60	60	0	60	6753.04	17	42	18
May 2019	338	203	34	237	134	103	237	6753.04	17	62	175
Jun 2019	392	67	34	101	101	0	101	6753.04	17	61	40
Jul 2019	196	88	17	105	105	0	105	6753.04	17	65	40
Aug 2019	85	104	6	110	110	0	110	6753.04	17	65	45
Sep 2019	49	103	4	107	107	0	107	6753.04	17	55	52
WY 2019	1340	794	125	919	816	103	919			385	534
Oct 2019	49	64	5	69	69	0	69	6753.04	17	30	39
Nov 2019	40	43	5	48	48	0	48	6753.04	17	0	48
Dec 2019	35	56	5	61	61	0	61	6753.04	17	0	61
Jan 2020	33	56	5	61	61	0	61	6753.04	17	0	61
Feb 2020	30	48	4	52	52	0	52	6753.04	17	0	52
Mar 2020	51	28	7	35	35	0	35	6753.04	17	5	30
Apr 2020	121	56	15	71	71	0	71	6753.04	17	42	29
May 2020	351	272	44	316	134	182	316	6753.04	17	62	254
Jun 2020	415	235	49	284	130	154	284	6753.04	17	61	223
Jul 2020	179	98	19	117	117	0	117	6753.04	17	65	52

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2018 24-Month Study

Maximum Probable Inflow*

Vallecito Reservoir



	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Aug 2017	19	33	7655.15	100
H Sep 2017	9	34	7644.31	74
WY 2017	303	297		
I Oct 2017	9	22	7638.22	61
S Nov 2017	5	2	7639.49	63
T Dec 2017	3	1	7640.27	65
O Jan 2018	3	0	7641.42	67
R Feb 2018	3	0	7642.57	70
I Mar 2018	4	0	7644.11	73
C Apr 2018	15	3	7649.29	85
A May 2018	30	31	7648.91	84
L Jun 2018	14	35	7639.22	63
* Jul 2018	8	35	7624.15	35
Aug 2018	6	18	7615.02	23
Sep 2018	7	13	7608.99	16
WY 2018	107	161		
Oct 2018	6	8	7606.96	15
Nov 2018	10	2	7614.57	22
Dec 2018	6	2	7618.10	27
Jan 2019	5	2	7620.53	30
Feb 2019	4	2	7622.45	33
Mar 2019	9	2	7627.27	40
Apr 2019	28	2	7640.93	66
May 2019	80	40	7657.68	106
Jun 2019	95	78	7663.58	122
Jul 2019	42	45	7662.30	118
Aug 2019	24	38	7656.95	104
Sep 2019	20	30	7652.95	94
WY 2019	330	249		
Oct 2019	18	17	7653.08	94
Nov 2019	10	8	7653.86	96
Dec 2019	7	6	7654.19	97
Jan 2020	6	5	7654.39	98
Feb 2020	5	5	7654.63	98
Mar 2020	10	2	7657.87	107
Apr 2020	28	14	7662.96	120
May 2020	84	81	7663.87	122
Jun 2020	91	90	7664.04	123
Jul 2020	38	42	7662.36	118

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2018 24-Month Study

Maximum Probable Inflow*

Navajo Reservoir



	Mod Unreg	Azetea	Reg	Evap	NIP	Total	Reservoir Elev	Live	Farmington
	Inflow	Tunnel Div	Inflow	Losses	Diversion	Release	End of Month	Storage	Flow
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
* Aug 2017	30	5	38	4	35	36	6058.07	1323	55
H Sep 2017	9	2	33	3	23	42	6055.28	1289	48
WY 2017	1157	160	991	28	198	785			1410
I Oct 2017	38	2	49	2	8	32	6055.89	1296	52
S Nov 2017	19	0	16	1	0	25	6055.04	1286	41
T Dec 2017	10	0	9	1	0	24	6053.69	1270	40
O Jan 2018	12	0	9	1	0	23	6052.47	1255	40
R Feb 2018	13	0	11	1	1	18	6051.73	1246	33
I Mar 2018	24	2	19	2	6	21	6050.92	1236	30
C Apr 2018	69	13	45	2	20	37	6049.73	1222	42
A May 2018	89	16	72	3	36	32	6049.80	1223	69
L Jun 2018	6	3	24	4	42	42	6044.23	1159	49
* Jul 2018	-9	0	18	4	42	52	6036.94	1080	53
Aug 2018	3	0	15	3	38	53	6029.34	1002	76
Sep 2018	10	0	16	2	20	39	6024.85	958	65
WY 2018	285	36	303	24	212	398			590
Oct 2018	15	0	17	1	6	21	6023.69	947	43
Nov 2018	43	0	35	1	0	19	6025.26	962	34
Dec 2018	29	0	25	0	0	17	6026.00	969	29
Jan 2019	24	0	21	0	0	20	6026.09	970	29
Feb 2019	35	0	33	1	0	16	6027.75	986	25
Mar 2019	110	0	103	1	5	15	6035.68	1067	34
Apr 2019	231	2	202	2	21	15	6050.45	1231	65
May 2019	342	7	295	3	36	236	6052.14	1251	364
Jun 2019	327	3	308	4	52	281	6049.65	1221	429
Jul 2019	122	0	124	4	57	51	6050.75	1234	127
Aug 2019	71	0	85	3	48	33	6050.79	1235	72
Sep 2019	61	0	71	3	26	30	6051.74	1246	60
WY 2019	1410	12	1317	24	250	754			1309
Oct 2019	64	0	63	2	10	31	6053.48	1267	58
Nov 2019	40	0	38	1	0	30	6054.11	1275	48
Dec 2019	30	0	29	1	0	31	6053.92	1272	48
Jan 2020	25	0	25	1	0	31	6053.38	1266	45
Feb 2020	36	0	36	1	0	29	6053.87	1272	42
Mar 2020	117	0	109	2	6	31	6059.57	1342	57
Apr 2020	214	2	198	3	22	30	6070.42	1486	93
May 2020	347	7	337	4	36	219	6075.89	1564	393
Jun 2020	306	3	302	5	53	260	6074.87	1549	451
Jul 2020	96	0	100	5	57	37	6074.98	1551	126

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2018 24-Month Study

Maximum Probable Inflow*

Lake Powell



	Unreg	Regulated	Evap	PowerPlant	Bypass	Total	Reservoir Elev	Bank	EOM	Lees
	Inflow	Inflow	Losses	Release	Release	Release	End of Month	Storage	Storage	Ferry Gage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
* Aug 2017	446	495	63	900	0	900	3630.88	5250	14952	929
H Sep 2017	196	410	57	663	0	663	3628.31	5227	14664	671
WY 2017	11905	11396	409	8874	126	9000				9152
I Oct 2017	449	533	39	640	0	640	3627.09	5216	14530	634
S Nov 2017	387	454	37	630	0	630	3625.29	5200	14332	619
T Dec 2017	299	483	29	740	0	740	3622.85	5179	14068	733
O Jan 2018	262	442	9	860	0	860	3619.14	5147	13672	861
R Feb 2018	269	387	10	730	0	730	3616.02	5121	13346	750
I Mar 2018	332	395	16	800	0	800	3612.23	5090	12956	835
C Apr 2018	382	419	25	705	0	705	3609.39	5067	12669	738
A May 2018	1214	968	29	705	0	705	3611.54	5085	12886	730
L Jun 2018	883	635	45	760	0	760	3609.98	5072	12728	781
* Jul 2018	123	252	53	860	0	860	3603.80	5023	12116	877
Aug 2018	165	379	50	900	0	900	3598.28	4981	11587	918
Sep 2018	210	397	45	671	0	671	3595.13	4957	11292	682
WY 2018	4975	5745	387	9000	0	9000				9156
Oct 2018	350	467	31	640	0	640	3593.09	4942	11103	651
Nov 2018	551	576	30	640	0	640	3592.14	4935	11016	649
Dec 2018	412	483	24	720	0	720	3589.49	4916	10775	726
Jan 2019	410	504	7	860	0	860	3585.73	4889	10438	872
Feb 2019	430	493	7	750	0	750	3582.93	4869	10193	763
Mar 2019	782	729	13	800	0	800	3582.05	4863	10116	809
Apr 2019	1524	1239	20	710	0	710	3587.40	4901	10587	718
May 2019	3445	3119	27	710	0	710	3610.62	5077	12792	715
Jun 2019	4196	3640	49	750	0	750	3635.02	5288	15423	752
Jul 2019	2114	1870	65	850	0	850	3642.56	5358	16307	861
Aug 2019	818	839	67	900	0	900	3641.57	5349	16189	913
Sep 2019	569	672	61	670	0	670	3641.11	5344	16134	685
WY 2019	15600	14631	401	9000	0	9000				9114
Oct 2019	698	738	43	640	0	640	3641.54	5349	16186	649
Nov 2019	564	624	41	640	0	640	3641.10	5344	16133	649
Dec 2019	409	533	33	720	0	720	3639.38	5328	15930	727
Jan 2020	409	533	10	1230	0	1230	3633.73	5276	15275	1241
Feb 2020	446	554	11	954	126	1080	3629.33	5236	14778	1091
Mar 2020	775	735	18	1150	0	1150	3625.71	5204	14378	1158
Apr 2020	1306	1111	27	1020	0	1020	3626.24	5209	14437	1028
May 2020	3063	2798	34	1020	0	1020	3640.41	5338	16051	1025
Jun 2020	3564	3099	58	1060	0	1060	3655.31	5485	17886	1062
Jul 2020	1568	1353	73	1200	0	1200	3655.89	5490	17960	1210

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2018 24-Month Study

Maximum 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)
* Aug 2017	900	94	70	683	11.1	28	683	658	1081.44	10131
H Sep 2017	663	70	58	600	10.1	21	591	662	1082.05	10182
WY 2017	9000	995	541	8620		236	8591			
I Oct 2017	640	44	43	596	9.7	23	595	663	1082.30	10202
S Nov 2017	630	40	42	731	12.3	16	731	656	1080.95	10090
T Dec 2017	740	43	37	594	9.7	12	593	664	1082.52	10221
O Jan 2018	860	78	30	449	7.3	10	448	692	1087.50	10642
R Feb 2018	730	60	28	687	12.4	10	693	696	1088.21	10703
I Mar 2018	800	70	32	833	13.5	14	832	695	1088.11	10694
C Apr 2018	705	43	39	1015	17.1	21	1015	675	1084.49	10387
A May 2018	705	21	44	1055	17.1	27	1054	651	1080.00	10011
L Jun 2018	760	27	53	986	16.6	28	985	634	1076.81	9748
* Jul 2018	860	105	65	820	13.3	25	819	637	1077.43	9799
Aug 2018	900	112	70	748	12.2	38	748	646	1079.22	9946
Sep 2018	671	105	58	718	12.1	30	718	645	1078.87	9917
WY 2018	9000	748	541	9233		255	9232			
Oct 2018	640	81	42	686	11.2	32	686	642	1078.43	9881
Nov 2018	640	73	42	718	12.1	25	718	638	1077.61	9814
Dec 2018	720	49	36	526	8.6	17	526	649	1079.76	9991
Jan 2019	860	90	30	593	9.7	12	593	669	1083.30	10286
Feb 2019	750	101	28	667	12.0	14	667	677	1084.87	10419
Mar 2019	800	68	31	1038	16.9	21	1038	664	1082.39	10210
Apr 2019	710	65	38	1042	17.5	23	1042	644	1078.69	9903
May 2019	710	36	43	950	15.4	27	950	627	1075.55	9646
Jun 2019	750	13	52	890	15.0	33	890	614	1073.10	9447
Jul 2019	850	83	64	808	13.1	36	808	616	1073.37	9470
Aug 2019	900	100	69	723	11.8	34	723	626	1075.39	9633
Sep 2019	670	119	57	716	12.0	27	716	625	1075.27	9623
WY 2019	9000	878	533	9358		302	9358			
Oct 2019	640	71	42	493	8.0	28	493	635	1076.98	9762
Nov 2019	640	70	42	652	11.0	21	652	634	1076.93	9758
Dec 2019	720	51	36	577	9.4	14	577	643	1078.58	9893
Jan 2020	1230	81	30	605	9.8	12	605	684	1086.02	10516
Feb 2020	1080	82	28	668	11.6	14	668	711	1090.95	10940
Mar 2020	1150	62	32	1038	16.9	21	1038	718	1092.26	11053
Apr 2020	1020	61	40	1043	17.5	23	1043	717	1092.00	11030
May 2020	1020	36	46	952	15.5	27	952	719	1092.33	11059
Jun 2020	1060	15	56	891	15.0	33	891	725	1093.36	11149
Jul 2020	1200	81	70	813	13.2	36	813	747	1097.22	11488

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2018 24-Month Study

Maximum Probable Inflow*

Davis Dam - Lake Mohave



	Hoover Release	Side Inflow	Evap Losses	Power Release	Spill Release	Total Release	Total Release	Reservoir Elev	EOM Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 CFS)	End of Month (Ft)	(1000 Ac-Ft)
* Aug 2017	683	-8	23	707	0	707	11.5	642.64	1689
H Sep 2017	600	-11	18	656	0	656	11.0	639.47	1603
WY 2017	8620	-183	199	8261	0	8261			
I Oct 2017	596	-2	15	671	0	671	10.9	636.00	1512
S Nov 2017	731	-18	11	595	0	595	10.0	640.07	1619
T Dec 2017	594	-16	9	552	0	552	9.0	640.68	1636
O Jan 2018	449	2	10	437	0	437	7.1		1641
R Feb 2018	687	-4	10	611	0	611	11.0	643.18	1704
I Mar 2018	833	-1	13	836	0	836	13.6	642.57	1687
C Apr 2018	1015	-3	17	1001	0	1001	16.8	642.40	1682
A May 2018	1055	-11	22	1001	0	1001	16.3	643.17	1703
L Jun 2018	986	-21	26	909	0	909	15.3	644.29	1734
* Jul 2018	820	-6	26	827	0	827	13.4	642.91	1696
Aug 2018	748	-12	23	738	0	738	12.0	642.00	1671
Sep 2018	718	-12	18	795	0	795	13.4	638.00	1564
WY 2018	9233	-103	198	8970	0	8970			
Oct 2018	686	-4	15	746	0	746	12.1	635.00	1486
Nov 2018	718	-12	10	616	0	616	10.4	638.00	1564
Dec 2018	526	-12	9	478	0	478	7.8	639.01	1591
Jan 2019	593	-19	10	489	0	489	8.0	641.80	1666
Feb 2019	667	-15	10	643	0	643	11.6	641.80	1666
Mar 2019	1038	-17	13	973	0	973	15.8	643.05	1700
Apr 2019	1042	-20	17	1006	0	1006	16.9	643.00	1699
May 2019	950	-12	22	915	0	915	14.9	643.00	1699
Jun 2019	890	-15	25	849	0	849	14.3	643.00	1699
Jul 2019	808	-15	25	795	0	795	12.9	642.00	1671
Aug 2019	723	-12	23	688	0	688	11.2	642.00	1671
Sep 2019	716	-12	18	739	0	739	12.4	640.01	1618
WY 2019	9358	-166	197	8940	0	8940			
Oct 2019	493	-4	15	658	0	658	10.7	633.00	1434
Nov 2019	652	-12	10	578	0	578	9.7	635.00	1486
Dec 2019	577	-12	9	458	0	458	7.5	638.71	1583
Jan 2020	605	-19	10	494	0	494	8.0	641.80	1666
Feb 2020	668	-15	10	644	0	644	11.2	641.80	1666
Mar 2020	1038	-17	13	974	0	974	15.8	643.05	1700
Apr 2020	1043	-20	17	1008	0	1008	16.9	643.00	1699
May 2020	952	-12	22	917	0	917	14.9	643.00	1699
Jun 2020	891	-15	25	850	0	850	14.3	643.00	1699
Jul 2020	813	-15	25	799	0	799	13.0	642.00	1671

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2018 24-Month Study

Maximum 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)
*	Aug 2017	707	12	17	570	9.3	58	70	448.28	585	102	1.7
H	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	
I	Oct 2017	671	9	12	478	7.8	69	131	446.27	548	65	1.1
S	Nov 2017	595	12	9	349	5.9	89	127	447.86	577	99	1.7
T	Dec 2017	552	17	7	335	5.5	100	144	446.80	557	109	1.8
O	Jan 2018	437	3	6	329	5.3	29	90	445.81	539	125	2.0
R	Feb 2018	611	3	8	429	7.7	12	109	448.52	590	145	2.6
I	Mar 2018	836	-3	9	637	10.4	61	139	447.46	570	195	3.2
C	Apr 2018	1001	-8	11	735	12.4	75	168	447.13	564	175	2.9
A	May 2018	1001	10	13	697	11.3	87	178	448.51	590	124	2.0
L	Jun 2018	909	6	15	712	12.0	91	88	448.43	588	136	2.3
*	Jul 2018	827	20	17	656	10.7	101	72	448.00	580	133	2.2
	Aug 2018	738	23	17	611	9.9	99	32	447.50	571	93	1.5
	Sep 2018	795	17	15	531	8.9	96	160	447.50	571	96	1.6
	WY 2018	8970	108	139	6498		910	1438			1495	
	Oct 2018	746	23	12	485	7.9	99	166	447.50	570	65	1.1
	Nov 2018	616	16	9	386	6.5	94	138	447.50	571	99	1.7
	Dec 2018	478	18	7	282	4.6	97	126	446.50	552	109	1.8
	Jan 2019	489	21	6	318	5.2	62	120	446.50	552	138	2.2
	Feb 2019	643	11	8	485	8.7	34	120	446.50	552	160	2.9
	Mar 2019	973	7	9	718	11.7	53	188	446.70	555	198	3.2
	Apr 2019	1006	16	11	710	11.9	72	183	448.70	593	175	2.9
	May 2019	915	15	13	642	10.4	74	188	448.70	593	104	1.7
	Jun 2019	849	13	16	683	11.5	72	78	448.70	593	105	1.8
	Jul 2019	795	21	17	647	10.5	74	78	448.00	580	111	1.8
	Aug 2019	688	23	17	589	9.6	74	29	447.50	571	100	1.6
	Sep 2019	739	17	15	509	8.6	72	152	447.50	570	89	1.5
	WY 2019	8940	200	139	6455		875	1566			1452	
	Oct 2019	658	23	12	490	8.0	32	140	447.50	571	74	1.2
	Nov 2019	578	16	9	408	6.9	32	140	447.50	571	116	1.9
	Dec 2019	458	18	7	313	5.1	32	140	446.50	552	131	2.1
	Jan 2020	494	21	6	317	5.2	66	121	446.50	552	138	2.2
	Feb 2020	644	11	8	484	8.4	36	121	446.50	552	160	2.8
	Mar 2020	974	7	9	715	11.6	56	189	446.70	555	198	3.2
	Apr 2020	1008	16	11	706	11.9	76	184	448.70	593	175	2.9
	May 2020	917	15	13	639	10.4	79	189	448.70	593	104	1.7
	Jun 2020	850	13	16	679	11.4	76	79	448.70	593	105	1.8
	Jul 2020	799	21	17	646	10.5	79	79	448.00	580	111	1.8

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2018 24-Month Study

Maximum 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
* Aug 2017	683	11.1	1081.44	10131	200	436.25	1478.1	261.0	93	382.0
H Sep 2017	600	10.1	1082.05	10182	51	440.10	976.1	230.7	66	384.8
WY 2017	8620							3347.1		
I Oct 2017	596	9.7	1082.30	10202	21	441.43	976.1	229.0	66	384.2
S Nov 2017	731	12.3	1080.95	10090	-113	435.01	996.0	287.9	63	393.6
T Dec 2017	594	9.7	1082.52	10221	131	439.05	821.0	235.7	52	396.6
O Jan 2018	449	7.3	1087.50	10642	421	442.14	834.0	176.5	51	392.9
R Feb 2018	687	12.4	1088.21	10703	61	441.97	1220.1	275.0	75	400.3
I Mar 2018	833	13.5	1088.11	10694	-9	442.23	1005.9	333.9	62	400.8
C Apr 2018	1015	17.1	1084.49	10387	-308	437.15	880.9	406.2	55	400.0
A May 2018	1055	17.1	1080.00	10011	-376	432.39	1385.9	412.1	88	390.8
L Jun 2018	986	16.6	1076.81	9748	-263	428.91	1552.0	378.6	100	384.1
* Jul 2018	820	13.3	1077.43	9799	51	432.34	1552.0	313.2	100	382.0
Aug 2018	748	12.2	1079.22	9946	147	425.22	1562.0	286.6	100	383.2
Sep 2018	718	12.1	1078.87	9917	-29	427.52	1552.0	276.4	100	384.9
WY 2018	9233							3611.2		
Oct 2018	686	11.2	1078.43	9881	-36	432.80	1062.0	268.3	68	390.8
Nov 2018	718	12.1	1077.61	9814	-67	432.98	945.0	284.9	61	396.9
Dec 2018	526	8.6	1079.76	9991	177	430.94	1146.9	200.4	74	381.0
Jan 2019	593	9.7	1083.30	10286	295	433.72	990.0	232.4	63	391.5
Feb 2019	667	12.0	1084.87	10419	133	435.35	990.0	265.7	63	398.2
Mar 2019	1038	16.9	1082.39	10210	-208	434.40	993.0	417.7	64	402.5
Apr 2019	1042	17.5	1078.69	9903	-307	431.35	918.9	420.9	60	404.1
May 2019	950	15.4	1075.55	9646	-257	427.97	903.0	378.2	60	398.3
Jun 2019	890	15.0	1073.10	9447	-199	420.90	1499.0	337.7	100	379.4
Jul 2019	808	13.1	1073.37	9470	22	420.15	1499.0	308.6	100	381.8
Aug 2019	723	11.8	1075.39	9633	163	421.61	1512.0	273.7	100	378.6
Sep 2019	716	12.0	1075.27	9623	-10	423.19	1499.0	272.9	100	381.0
WY 2019	9358							3661.3		
Oct 2019	493	8.0	1076.98	9762	139	427.56	1326.9	190.6	88	386.5
Nov 2019	652	11.0	1076.93	9758	-4	433.52	925.9	256.0	61	392.5
Dec 2019	577	9.4	1078.58	9893	135	432.07	990.0	223.9	65	388.3
Jan 2020	605	9.8	1086.02	10516	623	434.58	952.4	238.0	63	393.2
Feb 2020	668	11.6	1090.95	10940	423	439.73	953.1	267.6	63	400.3
Mar 2020	1038	16.9	1092.26	11053	113	442.34	951.9	425.4	64	409.7
Apr 2020	1043	17.5	1092.00	11030	-23	441.36	1084.6	423.5	74	406.1
May 2020	952	15.5	1092.33	11059	29	441.41	1066.2	385.6	74	405.1
Jun 2020	891	15.0	1093.36	11149	90	439.26	1418.5	352.5	100	395.7
Jul 2020	813	13.2	1097.22	11488	340	442.01	1410.5	325.9	100	401.1

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2018 24-Month Study

Maximum 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
*	Aug 2017	707	11.5	642.64	1689	-55	143.10	255.0	89.9	100	127.1
H	Sep 2017	656	11.0	639.47	1603	-86	138.07	253.3	83.2	99	126.8
WY 2017		8261							1061.4		
I	Oct 2017	671	10.9	636.00	1512	-91	134.26	179.3	81.3	70	121.3
S	Nov 2017	595	10.0	640.07	1619	107	138.81	151.3	73.1	59	122.7
T	Dec 2017	552	9.0	640.68	1636	17	139.44	131.6	69.5	52	126.0
O	Jan 2018	437	7.1		1641	5	141.78	159.6	55.0	63	125.9
R	Feb 2018	611	11.0	643.18	1704	63	142.18	162.1	76.6	64	125.4
I	Mar 2018	836	13.6	642.57	1687	-17	139.99	189.2	105.4	74	126.1
C	Apr 2018	1001	16.8	642.40	1682	-5	141.14	207.4	125.1	81	125.0
A	May 2018	1001	16.3	643.17	1703	21	141.89	204.0	126.2	80	126.1
L	Jun 2018	909	15.3	644.29	1734	31	143.00	255.0	115.0	100	126.6
*	Jul 2018	827	13.4	642.91	1696	-38	141.79	255.0	105.3	100	127.4
	Aug 2018	738	12.0	642.00	1671	-25	135.47	255.0	92.8	100	125.8
	Sep 2018	795	13.4	638.00	1564	-107	132.89	255.0	97.8	100	123.1
WY 2018		8970							1123.1		
	Oct 2018	746	12.1	635.00	1486	-79	130.58	207.3	89.8	81	120.4
	Nov 2018	616	10.4	638.00	1564	78	131.81	170.0	74.6	67	121.0
	Dec 2018	478	7.8	639.01	1591	27	133.98	167.8	59.2	66	123.8
	Jan 2019	489	8.0	641.80	1666	75	134.58	210.6	61.4	83	125.4
	Feb 2019	643	11.6	641.80	1666	0	136.73	187.6	80.5	74	125.3
	Mar 2019	973	15.8	643.05	1700	34	137.26	190.8	121.2	75	124.5
	Apr 2019	1006	16.9	643.00	1699	-1	136.07	255.0	125.5	100	124.7
	May 2019	915	14.9	643.00	1699	0	136.04	255.0	114.7	100	125.3
	Jun 2019	849	14.3	643.00	1699	0	136.04	255.0	106.6	100	125.5
	Jul 2019	795	12.9	642.00	1671	-27	135.51	255.0	99.8	100	125.5
	Aug 2019	688	11.2	642.00	1671	0	134.99	255.0	86.5	100	125.6
	Sep 2019	739	12.4	640.01	1618	-54	133.94	255.0	91.9	100	124.3
WY 2019		8940							1111.7		
	Oct 2019	658	10.7	633.00	1434	-183	130.59	207.3	79.5	81	120.9
	Nov 2019	578	9.7	635.00	1486	51	129.19	170.0	68.8	67	119.0
	Dec 2019	458	7.5	638.71	1583	97	132.25	167.8	56.1	66	122.4
	Jan 2020	494	8.0	641.80	1666	83	133.85	230.3	61.8	90	125.3
	Feb 2020	644	11.2	641.80	1666	0	136.73	187.6	80.8	74	125.5
	Mar 2020	974	15.8	643.05	1700	34	137.26	190.8	121.2	75	124.5
	Apr 2020	1008	16.9	643.00	1699	-1	136.07	255.0	125.7	100	124.7
	May 2020	917	14.9	643.00	1699	0	136.04	255.0	114.9	100	125.3
	Jun 2020	850	14.3	643.00	1699	0	136.04	255.0	106.7	100	125.5
	Jul 2020	799	13.0	642.00	1671	-27	135.51	255.0	100.3	100	125.5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

August 2018 24-Month Study

Maximum 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
*	Aug 2017	570	9.3	448.28	585	-7	82.37	120.0	39.9	100	70.0
H	Sep 2017	481	8.1	447.17	564	-21	81.08	120.0	33.8	100	70.2
WY 2017		6204							434.1		
I	Oct 2017	478	7.8	446.27	548	-17	80.03	92.9	33.6	77	70.4
S	Nov 2017	349	5.9	447.86	577	30	81.65	90.0	24.1	75	69.2
T	Dec 2017	335	5.5	446.80	557	-20	81.55	92.9	22.5	77	67.0
O	Jan 2018	329	5.3	445.81	539	-18	80.05	117.1	22.8	98	69.2
R	Feb 2018	429	7.7	448.52	590	50	81.30	92.1	30.3	77	70.6
I	Mar 2018	638	10.4	447.46	570	-20	81.79	102.6	44.9	85	70.4
C	Apr 2018	735	12.4	447.13	564	-6	81.11	120.0	50.8	100	69.1
A	May 2018	697	11.3	448.51	590	26	82.36	120.0	48.5	100	69.6
L	Jun 2018	712	12.0	448.43	588	-1	80.33	120.0	49.7	100	69.9
*	Jul 2018	656	10.7	448.00	580	-8	81.97	120.0	46.0	100	70.2
	Aug 2018	611	9.9	447.50	571	-10	75.13	120.0	40.0	100	65.5
	Sep 2018	531	8.9	447.50	571	0	74.89	120.0	34.6	100	65.1
WY 2018		6498							447.7		
	Oct 2018	485	7.9	447.50	570	0	76.29	90.0	32.0	75	66.1
	Nov 2018	386	6.5	447.50	571	0	76.19	92.0	25.2	77	65.3
	Dec 2018	282	4.6	446.50	552	-19	74.69	113.2	17.7	94	62.8
	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		6455							422.8		
	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	317	5.2	446.50	552	0	75.07	94.8	20.2	79	63.7
	Feb 2020	484	8.4	446.50	552	0	75.21	92.1	31.7	77	65.4
	Mar 2020	715	11.6	446.70	555	4	74.01	120.0	46.4	100	65.0
	Apr 2020	706	11.9	448.70	593	38	75.08	120.0	46.5	100	65.8
	May 2020	639	10.4	448.70	593	0	76.05	120.0	42.3	100	66.3
	Jun 2020	679	11.4	448.70	593	0	76.05	120.0	45.1	100	66.5
	Jul 2020	646	10.5	448.00	580	-13	75.71	120.0	42.7	100	66.0

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2018 24-Month Study

Maximum 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
* Aug 2017	421	56	34	0	22	9
H Sep 2017	306	56	35	33	22	6
Summer 2017	2033	492	202	207	93	33
I Oct 2017	294	42	30	37	21	7
S Nov 2017	288	55	12	14	8	7
T Dec 2017	339	68	27	33	19	6
O Jan 2018	394	68	17	21	12	6
R Feb 2018	335	60	9	12	3	5
I Mar 2018	364	41	12	16	9	1
Winter 2018	2013	334	107	133	71	31
C Apr 2018	318	39	23	27	16	5
A May 2018	318	63	23	33	20	7
L Jun 2018	343	50	27	34	20	8
* Jul 2018	384	48	27	36	20	8
Aug 2018	356	45	26	35	17	7
Sep 2018	264	46	23	32	15	6
Summer 2018	1984	291	149	197	108	42
Oct 2018	250	50	13	18	9	6
Nov 2018	248	48	6	8	5	6
Dec 2018	279	49	6	9	5	6
Jan 2019	331	56	6	8	5	6
Feb 2019	287	51	6	9	5	5
Mar 2019	305	67	8	12	7	7
Winter 2019	1701	322	43	65	34	36
Apr 2019	272	63	10	18	10	6
May 2019	280	97	47	73	23	8
Jun 2019	310	103	15	24	17	9
Jul 2019	362	104	26	32	18	10
Aug 2019	386	57	32	37	19	6
Sep 2019	288	55	31	37	19	7
Summer 2019	1898	479	161	221	107	47
Oct 2019	275	50	19	23	12	7
Nov 2019	275	48	12	16	8	7
Dec 2019	309	50	16	20	11	7
Jan 2020	524	49	16	20	11	6
Feb 2020	403	52	13	17	9	6
Mar 2020	481	63	7	10	6	7
Winter 2020	1785	249	76	96	50	32
Apr 2020	425	65	13	20	12	7
May 2020	431	65	62	98	23	7
Jun 2020	460	66	63	85	22	8
Jul 2020	528	52	28	35	20	10

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



August 2018 24-Month Study

Maximum 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	BOM Space Total	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	KAF	MAF
*****PREDICTED SPACE*****								*****CREDITABLE SPACE*****											
Aug 2018	247	430	616	12206	13499	17578	31076	247	430	616	1293	12206	17578	31076	1500	748	0	29.1	
Sep 2018	311	495	694	12735	14235	17431	31666	311	495	694	1500	12735	17431	31666	2270	718	0	28.5	
Oct 2018	395	553	738	13030	14717	17460	32176	395	553	738	1686	13030	17460	32176	3040	686	0	28.0	
Nov 2018	478	582	749	13219	15029	17496	32525	478	582	749	1809	13219	17496	32525	3810	718	0	27.9	
Dec 2018	536	578	734	13306	15154	17563	32717	536	578	734	1848	13306	17563	32717	4580	526	0	27.8	
Jan 2019	620	580	727	13547	15474	17386	32859	620	580	727	1926	13547	17386	32859	5350	593	0	27.7	
*****EFFECTIVE SPACE*****								*****EFFECTIVE SPACE*****											
Jan 2019	620	580	727	13547	15474	17386	32859	406	526	452	1384	13547	17386	32317	5350	593	0	27.7	
Feb 2019	717	582	726	13884	15909	17091	33000	503	528	450	1481	13884	17091	32456	1500	667	0	27.5	
Mar 2019	796	586	710	14129	16222	16958	33180	582	531	433	1546	14129	16958	32634	1500	1038	0	27.3	
Apr 2019	839	585	629	14206	16259	17167	33426	621	529	346	1495	14206	17167	32868	1500	1042	0	27.8	
May 2019	799	539	465	13735	15538	17474	33012	575	483	159	1217	13735	17474	32426	1500	950	0	30.0	
Jun 2019	647	455	445	11530	13077	17731	30808	413	381	100	895	11530	17731	30155	1500	890	0	33.0	
Jul 2019	393	186	475	8899	9953	17930	27883	138	91	74	303	8899	17930	27132	1500	808	0	34.0	
*****CREDITABLE SPACE*****								*****CREDITABLE SPACE*****											
Aug 2019	278	104	462	8015	8858	17907	26766	278	104	462	843	8015	17907	26766	1500	723	0	34.0	
Sep 2019	277	124	461	8133	8996	17744	26740	277	124	461	863	8133	17744	26740	2270	716	0	33.8	
Oct 2019	339	176	450	8188	9152	17754	26906	339	176	450	964	8188	17754	26906	3040	493	0	33.8	
Nov 2019	389	196	429	8136	9151	17615	26766	389	196	429	1015	8136	17615	26766	3810	652	0	33.7	
Dec 2019	454	205	421	8189	9270	17619	26889	454	205	421	1081	8189	17619	26889	4580	577	0	33.6	
Jan 2020	551	232	424	8392	9599	17484	27082	551	232	424	1206	8392	17484	27082	5350	605	0	33.5	
*****EFFECTIVE SPACE*****								*****EFFECTIVE SPACE*****											
Jan 2020	551	232	424	8392	9599	17484	27082	381	232	424	1036	8392	17484	26912	5350	605	0	33.5	
Feb 2020	641	260	430	9047	10379	16861	27239	471	260	430	1161	9047	16861	27069	1500	668	0	33.3	
Mar 2020	736	281	424	9544	10985	16437	27423	565	281	424	1270	9544	16437	27252	1500	1038	0	33.1	
Apr 2020	795	262	354	9944	11356	16324	27680	622	262	354	1238	9944	16324	27506	1500	1043	0	33.4	
May 2020	815	216	210	9885	11126	16347	27473	636	216	210	1062	9885	16347	27294	1500	952	0	35.2	
Jun 2020	684	185	132	8271	9271	16318	25589	492	185	106	783	8271	16318	25371	1500	891	0	37.6	
Jul 2020	362	67	147	6436	7012	16228	23240	150	62	63	275	6436	16228	22940	1500	813	0	38.2	

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