

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
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In addition to the October 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/October-Chart.pdf>.

The water year 2019 unregulated inflow into Lake Powell in the October Probable Maximum inflow scenario is 15.40 maf, or 142 percent of average. Consistent with the Interim Guidelines, the October Probable Maximum 24-Month Study results in a projected annual release volume from Glen Canyon Dam of 9.00 maf in water year 2019 and 11.89 maf in water year 2020. 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 1,075.63 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/lc/region/g4000/aop/AOP18.pdf>

The draft 2019 AOP is available for download at: https://www.usbr.gov/uc/water/rsrvs/ops/aop/AOP19_Third_Consultation_draft.pdf

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 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)
* 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	73	0	73	6491.69	239
Nov 2018	47	1	71	0	71	6487.86	214
Dec 2018	36	1	74	0	74	6481.61	176
Jan 2019	52	1	74	0	74	6477.51	154
Feb 2019	48	0	67	0	67	6473.50	135
Mar 2019	91	0	97	1	98	6471.74	127
Apr 2019	148	1	93	54	147	6471.70	126
May 2019	283	1	98	162	260	6476.42	148
Jun 2019	517	2	100	320	420	6492.38	244
Jul 2019	307	3	106	129	235	6501.88	313
Aug 2019	132	2	102	33	135	6501.24	308
Sep 2019	79	2	77	0	77	6501.25	308
WY 2019	1790	14	1032	699	1731		
Oct 2019	72	1	80	0	80	6500.12	300
Nov 2019	55	1	77	0	77	6496.92	276
Dec 2019	35	1	80	0	80	6490.29	230
Jan 2020	34	1	80	0	80	6482.89	183
Feb 2020	30	1	75	0	75	6474.31	138
Mar 2020	59	0	85	0	85	6468.23	112
Apr 2020	102	1	77	0	77	6473.83	136
May 2020	212	1	100	61	161	6483.45	186
Jun 2020	389	2	101	241	342	6490.48	231
Jul 2020	240	3	106	35	141	6503.62	327
Aug 2020	101	2	101	10	111	6502.02	314
Sep 2020	57	2	104	33	137	6490.64	232
WY 2020	1385	15	1066	380	1446		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
* 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	74	7	97	0	97	135	6030.00	3349	113
Nov 2018	51	75	3	101	0	101	134	6029.26	3321	126
Dec 2018	36	74	2	135	0	135	131	6027.67	3260	158
Jan 2019	72	94	2	148	0	148	129	6026.25	3207	185
Feb 2019	80	99	2	156	0	156	127	6024.73	3150	198
Mar 2019	184	191	3	199	0	199	126	6024.45	3140	315
Apr 2019	240	239	5	214	0	214	127	6024.98	3159	539
May 2019	440	417	8	225	0	225	134	6029.67	3336	1029
Jun 2019	700	602	11	284	189	472	139	6032.62	3451	1107
Jul 2019	377	306	14	293	155	448	133	6028.76	3302	599
Aug 2019	159	162	13	135	0	135	133	6029.11	3315	173
Sep 2019	99	97	11	131	0	131	132	6027.98	3272	159
WY 2019	2490	2431	80	2117	344	2461				4701
Oct 2019	92	99	7	123	0	123	130	6027.19	3242	168
Nov 2019	68	91	3	119	0	119	129	6026.38	3212	158
Dec 2019	39	85	2	123	0	123	128	6025.35	3173	151
Jan 2020	45	92	2	123	0	123	126	6024.49	3142	151
Feb 2020	49	94	2	115	0	115	126	6023.88	3119	146
Mar 2020	115	141	3	120	0	120	126	6024.36	3137	209
Apr 2020	164	139	5	116	0	116	127	6024.84	3154	376
May 2020	323	272	8	290	29	319	125	6023.40	3102	976
Jun 2020	523	476	10	281	64	345	129	6026.54	3218	912
Jul 2020	291	193	13	135	0	135	131	6027.68	3261	280
Aug 2020	119	130	12	135	0	135	131	6027.22	3243	169
Sep 2020	70	150	11	131	0	131	131	6027.43	3251	155
WY 2020	1900	1961	78	1811	93	1905				3850

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2018 24-Month Study

Maximum Probable Inflow*
Taylor Park Reservoir



	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(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
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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	5	3	9303.65	60
Feb 2019	5	3	9304.81	62
Mar 2019	5	3	9306.27	64
Apr 2019	10	10	9306.52	65
May 2019	34	30	9308.80	68
Jun 2019	49	30	9320.26	87
Jul 2019	24	25	9319.63	86
Aug 2019	12	25	9312.22	73
Sep 2019	9	18	9306.33	64
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WY 2019	163	156		
Oct 2019	8	6	9307.43	66
Nov 2019	6	5	9307.94	67
Dec 2019	5	5	9307.97	67
Jan 2020	5	5	9307.76	66
Feb 2020	4	5	9307.20	66
Mar 2020	5	10	9303.65	60
Apr 2020	10	12	9302.36	58
May 2020	34	30	9304.81	62
Jun 2020	52	30	9318.43	84
Jul 2020	25	10	9326.61	99
Aug 2020	12	8	9328.70	104
Sep 2020	8	8	9328.92	104
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WY 2020	174	134		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 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)
* 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	48	0	48	7438.85	254
Nov 2018	20	20	0	18	0	18	7439.20	256
Dec 2018	17	17	0	25	0	25	7437.64	248
Jan 2019	31	29	0	23	0	23	7438.87	254
Feb 2019	28	27	0	20	0	20	7440.14	260
Mar 2019	46	44	0	19	0	19	7444.90	285
Apr 2019	98	98	1	35	0	35	7455.96	347
May 2019	281	277	1	128	0	128	7478.60	496
Jun 2019	332	312	1	144	0	144	7500.17	663
Jul 2019	148	150	1	69	0	69	7509.52	742
Aug 2019	81	93	1	79	0	79	7511.00	755
Sep 2019	48	58	1	73	0	73	7509.07	738
WY 2019	1150	1143	7	680	0	680		
Oct 2019	46	44	1	73	0	73	7505.57	708
Nov 2019	34	34	0	70	0	70	7501.19	671
Dec 2019	27	27	0	109	0	109	7490.98	589
Jan 2020	26	26	0	79	0	79	7483.97	535
Feb 2020	24	24	0	51	0	51	7480.40	509
Mar 2020	39	45	0	41	0	41	7480.89	512
Apr 2020	93	95	1	55	0	55	7486.05	551
May 2020	276	272	1	205	37	242	7489.89	581
Jun 2020	338	316	1	120	0	120	7513.39	776
Jul 2020	152	137	2	90	0	90	7518.38	820
Aug 2020	78	74	1	103	0	103	7515.06	790
Sep 2020	45	45	1	103	0	103	7508.37	732
WY 2020	1178	1138	9	1099	37	1136		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 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)
* 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	48	1	49	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	33	23	2	24	24	0	24	7153.73	112
Feb 2019	31	20	2	22	22	0	22	7153.73	112
Mar 2019	49	19	4	22	22	0	22	7153.73	112
Apr 2019	109	35	11	46	46	0	46	7153.73	112
May 2019	304	128	23	151	151	0	151	7153.73	112
Jun 2019	346	144	14	158	158	0	158	7153.73	112
Jul 2019	152	69	3	72	72	0	72	7153.73	112
Aug 2019	82	79	2	81	81	0	81	7153.73	112
Sep 2019	50	73	2	75	75	0	75	7153.73	112
WY 2019	1215	680	65	745	732	0	732		
Oct 2019	47	73	2	75	75	0	75	7153.73	112
Nov 2019	36	70	2	72	72	0	72	7153.73	112
Dec 2019	30	109	2	112	112	0	112	7153.73	112
Jan 2020	28	79	2	82	82	0	82	7153.73	112
Feb 2020	26	51	3	53	53	0	53	7153.73	112
Mar 2020	44	41	4	45	45	0	45	7153.73	112
Apr 2020	106	55	13	68	68	0	68	7153.73	112
May 2020	308	242	32	274	274	0	274	7153.73	112
Jun 2020	366	120	28	148	148	0	148	7153.73	112
Jul 2020	159	90	7	98	98	0	98	7153.73	112
Aug 2020	82	103	4	107	107	0	107	7153.73	112
Sep 2020	48	103	3	106	106	0	106	7153.73	112
WY 2020	1281	1136	103	1239	1239	0	1239		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2018 24-Month Study

Maximum Probable Inflow*

Crystal Reservoir



	Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage	Tunnel Flow	Below Tunnel Flow
Date	(1000 Ac-Ft)	(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)
* 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	33	0	33	6753.04	17	30	3
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	39	24	6	31	31	0	31	6753.04	17	0	31
Feb 2019	36	22	5	28	28	0	28	6753.04	17	0	28
Mar 2019	58	22	8	31	31	0	31	6753.04	17	5	26
Apr 2019	125	46	17	62	62	0	62	6753.04	17	42	20
May 2019	350	151	46	197	134	63	197	6753.04	17	62	135
Jun 2019	392	158	46	205	130	75	205	6753.04	17	61	144
Jul 2019	171	72	20	92	92	0	92	6753.04	17	65	27
Aug 2019	93	81	11	92	92	0	92	6753.04	17	65	27
Sep 2019	58	75	8	83	83	0	83	6753.04	17	55	28
WY 2019	1390	732	175	907	765	138	902			385	517
Oct 2019	55	75	8	83	83	0	83	6753.04	17	30	53
Nov 2019	42	72	6	78	78	0	78	6753.04	17	0	78
Dec 2019	35	112	5	117	117	0	117	6753.04	17	0	117
Jan 2020	33	82	5	87	87	0	87	6753.04	17	0	87
Feb 2020	30	53	4	58	58	0	58	6753.04	17	0	58
Mar 2020	51	45	7	52	52	0	52	6753.04	17	5	47
Apr 2020	121	68	15	83	83	0	83	6753.04	17	42	41
May 2020	351	274	44	317	134	183	317	6753.04	17	62	255
Jun 2020	415	148	49	197	130	67	197	6753.04	17	61	136
Jul 2020	179	98	19	117	117	0	117	6753.04	17	65	52
Aug 2020	92	107	10	117	117	0	117	6753.04	17	65	52
Sep 2020	56	106	7	113	113	0	113	6753.04	17	55	58
WY 2020	1460	1239	179	1418	1168	250	1418			385	1033

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
* 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
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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	6	0	7624.64	36
Feb 2019	6	0	7627.80	41
Mar 2019	10	0	7633.13	50
Apr 2019	27	0	7645.79	77
May 2019	83	41	7662.77	119
Jun 2019	82	80	7663.33	121
Jul 2019	34	45	7658.91	109
Aug 2019	23	38	7652.93	94
Sep 2019	20	30	7648.98	85
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WY 2019	305	238		
Oct 2019	18	17	7649.32	85
Nov 2019	10	7	7650.51	88
Dec 2019	7	7	7650.49	88
Jan 2020	6	6	7650.47	88
Feb 2020	5	5	7650.52	88
Mar 2020	10	2	7653.88	96
Apr 2020	28	10	7660.61	114
May 2020	84	96	7655.62	101
Jun 2020	91	78	7660.59	114
Jul 2020	38	44	7657.81	106
Aug 2020	24	38	7652.04	92
Sep 2020	21	29	7648.80	84
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WY 2020	342	339		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2018 24-Month Study

Maximum Probable Inflow*

Navajo Reservoir



	Mod Unreg	Azetea	Reg	Evap	NIIP	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)
* 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	18	6019.51	907	30
Nov 2018	15	0	12	1	0	16	6019.07	903	24
Dec 2018	14	0	11	0	0	16	6018.48	898	23
Jan 2019	28	0	22	0	0	16	6019.13	904	31
Feb 2019	39	0	34	1	0	14	6021.17	923	28
Mar 2019	119	1	109	1	5	15	6030.09	1009	41
Apr 2019	219	8	184	2	21	15	6043.92	1156	75
May 2019	357	21	293	3	36	22	6063.14	1388	188
Jun 2019	288	48	238	5	52	26	6074.48	1544	199
Jul 2019	85	45	51	5	57	31	6071.56	1502	108
Aug 2019	58	7	66	4	48	36	6070.03	1481	80
Sep 2019	56	4	61	3	26	70	6067.22	1443	107
WY 2019	1295	134	1094	26	250	294			934
Oct 2019	60	4	55	2	10	31	6068.13	1455	63
Nov 2019	39	4	32	1	0	30	6068.21	1456	50
Dec 2019	30	1	29	1	0	31	6068.02	1453	48
Jan 2020	25	0	25	1	0	31	6067.57	1447	45
Feb 2020	36	0	36	1	0	29	6068.02	1453	42
Mar 2020	117	1	108	2	6	31	6073.02	1523	57
Apr 2020	214	12	184	3	22	34	6081.59	1649	97
May 2020	347	27	332	4	36	298	6081.13	1642	473
Jun 2020	306	47	245	5	53	297	6073.69	1532	489
Jul 2020	96	41	62	5	57	124	6064.68	1408	213
Aug 2020	59	9	64	4	48	31	6063.27	1390	78
Sep 2020	58	4	61	3	26	30	6063.47	1393	69
WY 2020	1387	152	1232	30	257	995			1724

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2018 24-Month Study

Maximum 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	680
WY 2018	4612	5459	386	9000	0	9000				9148
Oct 2018	250	312	30	625	0	625	3588.78	4911	10710	636
Nov 2018	300	348	29	625	0	625	3585.61	4888	10428	634
Dec 2018	250	359	22	750	0	750	3581.23	4857	10045	756
Jan 2019	556	611	7	860	0	860	3578.46	4838	9808	872
Feb 2019	605	648	7	745	0	745	3577.31	4831	9711	758
Mar 2019	1024	915	12	800	0	800	3578.44	4838	9806	809
Apr 2019	1625	1361	20	700	0	700	3585.30	4886	10400	708
May 2019	3607	2960	26	700	0	700	3607.38	5051	12469	705
Jun 2019	4105	3527	48	765	0	765	3631.15	5252	14982	767
Jul 2019	1679	1718	64	860	0	860	3637.57	5311	15718	871
Aug 2019	770	777	64	900	0	900	3636.07	5297	15544	913
Sep 2019	628	730	59	670	0	670	3636.07	5297	15544	685
WY 2019	15400	14267	389	9000	0	9000				9114
Oct 2019	749	793	41	640	0	640	3636.96	5305	15647	649
Nov 2019	586	667	40	640	0	640	3636.86	5305	15636	649
Dec 2019	409	577	32	720	0	720	3635.46	5292	15474	727
Jan 2020	409	546	10	1100	0	1100	3630.88	5250	14952	1111
Feb 2020	446	531	10	951	19	970	3627.15	5217	14536	981
Mar 2020	775	701	17	1030	0	1030	3624.21	5191	14215	1038
Apr 2020	1306	1074	27	950	0	950	3625.04	5198	14305	958
May 2020	3063	3040	34	1094	0	1094	3640.61	5340	16075	1099
Jun 2020	3564	3259	58	1150	0	1150	3656.00	5492	17974	1152
Jul 2020	1568	1476	73	1350	0	1350	3656.37	5495	18022	1360
Aug 2020	694	763	72	1350	0	1350	3651.57	5447	17412	1363
Sep 2020	493	614	65	896	0	896	3648.99	5421	17091	912
WY 2020	14062	14041	480	11871	19	11890				11999

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
* 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	81	42	659	10.7	37	659	640	1077.93	9840
Nov 2018	625	73	42	703	11.8	30	703	635	1077.05	9768
Dec 2018	750	49	36	472	7.7	22	472	651	1080.10	10019
Jan 2019	860	90	30	593	9.6	12	593	670	1083.63	10314
Feb 2019	745	101	28	667	12.0	14	667	679	1085.15	10442
Mar 2019	800	68	31	1038	16.9	21	1038	665	1082.68	10234
Apr 2019	700	65	38	1041	17.5	23	1041	645	1078.87	9917
May 2019	700	36	43	950	15.4	27	950	627	1075.62	9651
Jun 2019	765	13	52	890	15.0	33	890	615	1073.34	9467
Jul 2019	860	83	65	808	13.1	36	808	617	1073.73	9499
Aug 2019	900	100	69	723	11.8	34	723	628	1075.75	9662
Sep 2019	670	119	57	716	12.0	27	716	627	1075.63	9652
WY 2019	9000	878	533	9261		317	9261			
Oct 2019	640	71	42	493	8.0	28	493	636	1077.33	9791
Nov 2019	640	70	42	652	11.0	21	652	636	1077.28	9787
Dec 2019	720	51	36	576	9.4	14	576	645	1078.93	9923
Jan 2020	1100	81	30	605	9.8	12	605	678	1084.93	10424
Feb 2020	970	82	28	668	11.6	14	668	698	1088.69	10744
Mar 2020	1030	62	32	1038	16.9	21	1038	698	1088.70	10745
Apr 2020	950	61	39	1043	17.5	23	1043	693	1087.67	10657
May 2020	1094	36	45	952	15.5	27	952	699	1088.83	10756
Jun 2020	1150	15	55	891	15.0	33	891	710	1090.85	10931
Jul 2020	1350	81	70	813	13.2	36	813	742	1096.35	11412
Aug 2020	1350	104	76	729	11.9	34	729	779	1102.83	11989
Sep 2020	896	127	63	723	12.1	27	723	792	1105.00	12186
WY 2020	11890	841	558	9183		291	9183			

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 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)
* 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	593	-19	10	489	0	489	8.0	641.80	1666
Feb 2019	667	-15	10	642	0	642	11.6	641.80	1666
Mar 2019	1038	-17	13	973	0	973	15.8	643.05	1700
Apr 2019	1041	-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	9261	-166	198	8839	0	8839			
Oct 2019	493	-4	15	657	0	657	10.7	633.00	1434
Nov 2019	652	-12	10	578	0	578	9.7	635.00	1486
Dec 2019	576	-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
Aug 2020	729	-12	23	694	0	694	11.3	642.00	1671
Sep 2020	723	-12	18	746	0	746	12.5	640.01	1618
WY 2020	9183	-166	197	8819	0	8819			

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
* 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	489	21	6	318	5.2	62	120	446.50	552	138	2.2
Feb 2019	642	11	8	485	8.7	34	120	446.50	552	160	2.9
Mar 2019	973	7	9	718	11.7	52	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	8839	200	139	6471		777	1574			1444	
Oct 2019	657	23	12	490	8.0	31	140	447.50	571	74	1.2
Nov 2019	578	16	9	408	6.9	31	140	447.50	571	116	1.9
Dec 2019	458	18	7	313	5.1	31	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
Aug 2020	694	23	17	590	9.6	79	29	447.50	571	100	1.6
Sep 2020	746	17	15	510	8.6	76	152	447.50	570	89	1.5
WY 2020	8819	200	139	6495		716	1563			1500	

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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
* 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	1077.93	9840	-30	430.02	1406.1	252.6	87	383.1
Nov 2018	703	11.8	1077.05	9768	-72	432.05	1005.9	277.6	62	394.9
Dec 2018	472	7.7	1080.10	10019	251	432.82	880.9	185.6	55	392.9
Jan 2019	593	9.6	1083.63	10314	295	430.06	1576.0	227.4	100	383.3
Feb 2019	667	12.0	1085.15	10442	128	431.66	1552.0	258.9	100	388.1
Mar 2019	1038	16.9	1082.68	10234	-208	430.77	1552.0	401.7	100	387.1
Apr 2019	1041	17.5	1078.87	9917	-317	427.27	1562.0	401.9	100	385.9
May 2019	950	15.4	1075.62	9651	-266	423.79	1562.0	364.2	100	383.5
Jun 2019	890	15.0	1073.34	9467	-184	424.42	1067.9	346.9	68	389.8
Jul 2019	808	13.1	1073.73	9499	32	424.60	945.0	317.7	61	393.1
Aug 2019	723	11.8	1075.75	9662	163	426.14	950.0	281.6	61	389.6
Sep 2019	716	12.0	1075.63	9652	-10	427.52	999.0	280.3	63	391.4
WY 2019	9261							3596.3		
Oct 2019	493	8.0	1077.33	9791	140	430.59	999.0	193.0	63	391.5
Nov 2019	652	11.0	1077.28	9787	-4	433.63	1000.0	255.5	63	391.9
Dec 2019	576	9.4	1078.93	9923	136	432.97	925.9	224.9	60	390.2
Jan 2020	605	9.8	1084.93	10424	501	434.55	913.0	238.4	60	393.9
Feb 2020	668	11.6	1088.69	10744	320	434.05	1512.0	259.8	100	388.6
Mar 2020	1038	16.9	1088.70	10745	1	435.51	1615.6	406.3	100	391.3
Apr 2020	1043	17.5	1087.67	10657	-88	434.62	1609.8	409.4	100	392.6
May 2020	952	15.5	1088.83	10756	99	434.70	1605.6	374.4	100	393.3
Jun 2020	891	15.0	1090.85	10931	175	439.69	1097.6	359.6	68	403.7
Jul 2020	813	13.2	1096.35	11412	481	444.57	986.7	334.2	61	411.3
Aug 2020	729	11.9	1102.83	11989	578	450.87	1001.4	299.7	61	411.2
Sep 2020	723	12.1	1105.00	12186	197	455.61	1041.9	300.5	63	415.7
WY 2020	9183							3655.8		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 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
*	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	489	8.0	641.80	1666	75	133.31	255.0	61.4	100	125.4
	Feb 2019	642	11.6	641.80	1666	0	134.78	255.0	80.5	100	125.3
	Mar 2019	973	15.8	643.05	1700	34	135.44	255.0	121.1	100	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	99.7	100	125.5
	Aug 2019	688	11.2	642.00	1671	0	134.99	255.0	86.4	100	125.6
	Sep 2019	739	12.4	640.01	1618	-54	133.94	255.0	91.9	100	124.3
WY 2019		8839							1100.3		
	Oct 2019	657	10.7	633.00	1434	-183	131.28	185.9	79.5	73	120.9
	Nov 2019	578	9.7	635.00	1486	51	129.81	153.0	68.8	60	119.0
	Dec 2019	458	7.5	638.71	1583	97	131.17	200.7	56.1	79	122.4
	Jan 2020	494	8.0	641.80	1666	83	133.16	255.0	61.8	100	125.3
	Feb 2020	644	11.2	641.80	1666	0	134.78	255.0	80.8	100	125.5
	Mar 2020	974	15.8	643.05	1700	34	135.44	255.0	121.2	100	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
	Aug 2020	694	11.3	642.00	1671	0	134.99	255.0	87.2	100	125.6
	Sep 2020	746	12.5	640.01	1618	-54	133.94	255.0	92.7	100	124.3
WY 2020		8819							1095.6		

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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
* 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	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
Aug 2020	590	9.6	447.50	571	-9	75.13	120.0	38.6	100	65.4
Sep 2020	510	8.6	447.50	570	0	74.89	120.0	33.1	100	65.0
WY 2020	6495							425.4		

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2018 24-Month Study

Maximum Probable Inflow*

Upper Basin Power



	Glen Canyon	Flaming Gorge	Blue Mesa	Morrow Point	Crystal Reservoir	Fontenelle Reservoir
Date	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	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	37	4	7	4	6
Dec 2018	286	50	6	9	5	6
Jan 2019	326	54	6	9	5	5
Feb 2019	281	57	5	8	5	5
Mar 2019	302	72	5	8	5	7
Winter 2019	1676	305	38	53	29	35
Apr 2019	266	78	9	16	11	6
May 2019	274	82	35	54	23	7
Jun 2019	314	104	42	57	22	8
Jul 2019	364	108	21	26	16	10
Aug 2019	382	50	25	29	16	10
Sep 2019	285	48	23	27	14	7
Summer 2019	1885	470	155	210	103	47
Oct 2019	272	45	23	27	14	7
Nov 2019	272	43	21	26	13	7
Dec 2019	306	45	33	40	20	7
Jan 2020	465	45	23	29	15	6
Feb 2020	400	42	15	19	10	5
Mar 2020	430	44	12	16	9	6
Winter 2020	2146	263	126	158	82	39
Apr 2020	395	42	16	25	14	5
May 2020	462	105	60	99	23	7
Jun 2020	499	102	36	53	22	8
Jul 2020	594	49	28	35	20	10
Aug 2020	592	49	32	39	20	10
Sep 2020	391	48	32	38	20	9
Summer 2020	2542	349	173	250	100	40

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2018 24-Month Study

Maximum Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions



Date	Flaming	Blue	Lake	Upper Basin	Lake	Total	Total	Flaming	Blue	Tot or Max	Lake	Lake	BOM Space	Mead	Mead	Sys			
	Gorge	Mesa	Navajo	Powell	Total			Mead	KAF	Gorge	Mesa	Navajo	Allow	Powell	Mead	Total	Required	Sched Rel	FC Rel
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF
**** 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	576	789	13612	15482	17537	33019	506	576	789	1870	13612	17537	33019	3810	703	0	27.2	
Dec 2018	559	574	793	13894	15820	17609	33429	559	574	793	1926	13894	17609	33429	4580	472	0	27.0	
Jan 2019	658	582	798	14277	16315	17358	33673	658	582	798	2038	14277	17358	33673	5350	593	0	27.0	
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2019	658	582	798	14277	16315	17358	33673	232	527	792	1551	14277	17358	33185	5350	593	0	27.1	
Feb 2019	734	576	792	14514	16615	17063	33678	307	518	785	1611	14514	17063	33188	1500	667	0	27.0	
Mar 2019	809	569	773	14611	16763	16935	33697	383	510	766	1659	14611	16935	33204	1500	1038	0	27.1	
Apr 2019	828	545	687	14516	16574	17143	33717	398	483	672	1554	14516	17143	33212	1500	1041	0	27.6	
May 2019	808	483	540	13922	15753	17460	33212	373	420	503	1296	13922	17460	32677	1500	950	0	30.0	
Jun 2019	609	334	308	11853	13104	17726	30830	158	267	232	656	11853	17726	30235	1500	890	0	32.9	
Jul 2019	399	167	152	9340	10058	17910	27968	-70	79	20	29	9340	17910	27279	1500	808	0	33.5	
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****											
Aug 2019	479	88	194	8604	9365	17878	27244	479	88	194	761	8604	17878	27244	1500	723	0	33.5	
Sep 2019	471	75	215	8778	9539	17715	27254	471	75	215	761	8778	17715	27254	2270	716	0	33.3	
Oct 2019	514	92	253	8778	9637	17725	27362	514	92	253	859	8778	17725	27362	3040	493	0	33.3	
Nov 2019	552	122	241	8675	9590	17586	27175	552	122	241	915	8675	17586	27175	3810	652	0	33.3	
Dec 2019	606	158	240	8686	9691	17590	27280	606	158	240	1005	8686	17590	27280	4580	576	0	33.2	
Jan 2020	691	241	243	8848	10022	17454	27476	691	241	243	1174	8848	17454	27476	5350	605	0	33.1	
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2020	691	241	243	8848	10022	17454	27476	238	241	148	627	8848	17454	26929	5350	605	0	33.1	
Feb 2020	769	294	249	9370	10683	16953	27636	316	294	154	764	9370	16953	27087	1500	668	0	32.9	
Mar 2020	837	321	243	9786	11186	16633	27819	381	321	147	848	9786	16633	27268	1500	1038	0	32.7	
Apr 2020	846	317	173	10107	11443	16632	28075	386	317	70	773	10107	16632	27512	1500	1043	0	32.9	
May 2020	803	278	47	10017	11146	16720	27866	338	278	-81	536	10017	16720	27273	1500	952	0	34.8	
Jun 2020	806	249	54	8247	9356	16621	25977	334	249	-114	469	8247	16621	25336	1500	891	0	37.2	
Jul 2020	645	54	164	6348	7211	16446	23657	156	54	-62	148	6348	16446	22942	1500	813	0	37.7	
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****											
Aug 2020	507	9	288	6300	7103	15965	23068	507	9	288	803	6300	15965	23068	1500	729	0	37.6	
Sep 2020	537	39	306	6910	7792	15388	23179	537	39	306	882	6910	15388	23179	2270	723	0	37.3	

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