

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
Boulder Canyon Operations Office
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In addition to the October 2019 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/2019/October-Chart.pdf>.

The water year 2020 unregulated inflow into Lake Powell in the October Probable Maximum inflow scenario is 18.00 maf, or 166 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 11.89 maf in water year 2020 and 13.33 maf in water year 2021. With intervening flows between Lake Powell and Lake Mead of 0.87 maf in water year 2020, Lake Mead's elevation is projected to be 1,117.12 feet on September 30, 2020.

The Interim Guidelines are available for download at: <https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.

The 2019 Annual Operating Plan (AOP) is available for download at: <https://www.usbr.gov/lc/region/g4000/aop/AOP19.pdf>.

The draft 2020 AOP is available for download at: https://www.usbr.gov/lc/region/g4000/AOP2020/2020AOP_2019-08-30_Consultation-3.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 24-Month Study

Maximum 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 2018	42	1	45	20	65	6491.62	238
H	Nov 2018	38	1	60	0	60	6488.29	216
I	Dec 2018	30	1	61	1	61	6483.19	184
S	Jan 2019	28	1	61	0	61	6476.81	150
T	Feb 2019	26	0	55	1	56	6470.41	120
O	Mar 2019	37	0	61	0	61	6464.13	95
R	Apr 2019	114	1	71	0	71	6474.10	137
I	May 2019	167	1	98	0	98	6486.46	204
C	Jun 2019	337	2	107	171	278	6494.89	261
A	Jul 2019	184	3	86	39	125	6502.48	317
L	Aug 2019	57	2	74	0	74	6499.98	298
*	Sep 2019	41	2	19	47	66	6496.36	271
WY 2019		1101	15	799	278	1077		
	Oct 2019	45	1	92	0	92	6489.33	224
	Nov 2019	44	1	71	0	71	6485.03	196
	Dec 2019	37	1	74	0	74	6478.47	159
	Jan 2020	51	0	74	0	74	6473.76	136
	Feb 2020	47	0	69	0	69	6468.58	113
	Mar 2020	89	0	79	0	79	6470.89	123
	Apr 2020	145	1	94	0	94	6481.09	173
	May 2020	277	1	102	152	254	6484.77	194
	Jun 2020	507	2	103	295	399	6500.18	300
	Jul 2020	301	3	102	180	282	6502.21	316
	Aug 2020	130	2	100	11	111	6504.29	332
	Sep 2020	78	2	19	64	83	6503.34	325
WY 2020		1750	15	980	703	1683		
	Oct 2020	71	1	86	0	86	6501.28	309
	Nov 2020	54	1	83	0	83	6497.27	279
	Dec 2020	35	1	86	0	86	6489.68	227
	Jan 2021	34	1	86	0	86	6481.18	173
	Feb 2021	30	0	78	0	78	6471.51	126
	Mar 2021	59	0	86	0	86	6464.73	98
	Apr 2021	102	1	83	0	83	6469.36	116
	May 2021	212	1	100	24	124	6486.21	203
	Jun 2021	389	2	103	193	297	6499.27	293
	Jul 2021	240	3	102	109	211	6502.66	319
	Aug 2021	101	2	92	0	92	6503.51	326
	Sep 2021	57	2	19	52	71	6501.34	309
WY 2021		1383	15	1005	378	1383		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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 2018	52	75	7	99	0	99	135	6029.99	3349	131
H	Nov 2018	41	63	4	93	0	93	133	6029.15	3316	121
I	Dec 2018	29	60	2	124	0	124	131	6027.49	3253	153
S	Jan 2019	34	68	2	124	0	124	129	6026.01	3198	154
T	Feb 2019	34	63	2	112	0	112	127	6024.69	3149	143
O	Mar 2019	74	99	3	58	0	58	128	6025.67	3185	128
R	Apr 2019	240	198	5	71	0	71	133	6028.79	3303	341
I	May 2019	252	183	8	99	0	99	136	6030.71	3376	568
C	Jun 2019	460	400	11	215	100	315	139	6032.55	3448	950
A	Jul 2019	227	169	14	100	0	100	141	6033.89	3502	376
L	Aug 2019	59	76	13	109	0	109	139	6032.79	3458	153
*	Sep 2019	49	74	11	113	0	113	137	6031.57	3410	138
WY 2019		1553	1529	82	1315	100	1415				3356
	Oct 2019	57	104	8	83	0	83	138	6031.90	3423	106
	Nov 2019	56	83	4	83	0	83	138	6031.82	3420	113
	Dec 2019	40	77	2	154	0	154	135	6029.87	3344	179
	Jan 2020	75	98	2	163	0	163	132	6028.19	3280	202
	Feb 2020	83	105	2	152	0	152	130	6026.94	3232	195
	Mar 2020	191	181	3	233	26	258	127	6024.87	3155	377
	Apr 2020	249	199	5	250	0	250	125	6023.40	3102	582
	May 2020	458	435	8	184	0	184	134	6029.64	3335	1005
	Jun 2020	728	620	11	284	115	399	142	6034.77	3537	1047
	Jul 2020	393	375	14	233	0	233	147	6037.77	3659	387
	Aug 2020	166	147	14	154	0	154	146	6037.30	3640	192
	Sep 2020	103	109	12	149	0	149	144	6036.07	3590	178
WY 2020		2600	2533	83	2122	141	2263				4563
	Oct 2020	95	109	8	154	0	154	142	6034.83	3539	199
	Nov 2020	69	99	4	143	0	143	141	6033.68	3493	182
	Dec 2020	39	91	2	182	0	182	137	6031.42	3404	210
	Jan 2021	45	98	2	194	0	194	133	6028.99	3310	221
	Feb 2021	49	97	2	175	0	175	130	6026.95	3233	206
	Mar 2021	115	142	3	178	0	178	129	6025.95	3195	267
	Apr 2021	164	145	5	173	0	173	127	6025.12	3164	433
	May 2021	250	162	8	76	0	76	130	6027.13	3240	733
	Jun 2021	450	358	10	237	83	320	131	6027.82	3266	887
	Jul 2021	291	263	14	87	0	87	138	6031.86	3421	233
	Aug 2021	119	111	13	111	0	111	137	6031.54	3409	144
	Sep 2021	70	85	11	107	0	107	136	6030.70	3376	131
WY 2021		1758	1758	81	1816	83	1899				3846

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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)
*	Oct 2018	5	3	9302.60	59
H	Nov 2018	3	3	9302.61	59
I	Dec 2018	4	3	9302.74	59
S	Jan 2019	4	3	9302.92	59
T	Feb 2019	3	3	9303.16	60
O	Mar 2019	5	4	9303.75	60
R	Apr 2019	10	7	9306.14	64
I	May 2019	21	26	9302.64	59
C	Jun 2019	68	38	9320.92	89
A	Jul 2019	47	32	9328.49	103
L	Aug 2019	15	24	9323.77	94
*	Sep 2019	7	20	9316.42	81
WY 2019		191	168		
	Oct 2019	7	10	9314.93	78
	Nov 2019	6	6	9314.96	78
	Dec 2019	6	6	9314.57	77
	Jan 2020	6	6	9314.55	77
	Feb 2020	5	6	9314.43	77
	Mar 2020	6	6	9314.48	77
	Apr 2020	12	20	9309.79	70
	May 2020	40	36	9312.11	73
	Jun 2020	59	40	9322.69	92
	Jul 2020	28	24	9324.95	96
	Aug 2020	14	19	9322.57	92
	Sep 2020	10	18	9318.68	85
WY 2020		200	196		
	Oct 2020	9	9	9318.47	84
	Nov 2020	6	7	9317.81	83
	Dec 2020	5	5	9318.13	84
	Jan 2021	5	5	9318.28	84
	Feb 2021	4	4	9318.13	84
	Mar 2021	5	7	9316.99	82
	Apr 2021	10	10	9317.37	82
	May 2021	34	30	9319.34	86
	Jun 2021	52	35	9328.36	103
	Jul 2021	25	30	9326.00	98
	Aug 2021	12	23	9320.47	88
	Sep 2021	8	22	9312.68	74
WY 2021		176	186		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 24-Month Study

Maximum 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 2018	23	22	0	46	11	56	7437.59	248
H	Nov 2018	22	21	0	19	0	19	7438.08	250
I	Dec 2018	20	19	0	21	0	21	7437.82	249
S	Jan 2019	20	20	0	17	0	17	7438.40	252
T	Feb 2019	20	20	0	23	0	23	7437.59	248
O	Mar 2019	28	27	0	25	0	25	7438.01	250
R	Apr 2019	121	118	0	33	0	33	7453.91	335
I	May 2019	214	218	1	86	18	105	7471.68	447
C	Jun 2019	471	444	1	124	70	194	7504.14	696
A	Jul 2019	282	266	2	87	51	138	7518.61	823
L	Aug 2019	92	100	1	76	62	137	7514.39	784
*	Sep 2019	32	45	1	45	47	93	7508.84	736
WY 2019		1344	1320	7	601	260	859		
	Oct 2019	38	41	1	87	0	87	7503.29	689
	Nov 2019	34	34	0	80	0	80	7497.64	642
	Dec 2019	29	30	0	82	0	82	7491.03	589
	Jan 2020	35	35	0	52	0	52	7488.93	573
	Feb 2020	33	33	0	59	0	59	7485.44	546
	Mar 2020	53	52	0	71	0	71	7482.98	528
	Apr 2020	112	120	1	72	0	72	7489.26	576
	May 2020	322	319	1	205	120	325	7488.23	568
	Jun 2020	381	362	1	169	0	169	7511.54	759
	Jul 2020	170	166	2	106	0	106	7518.05	817
	Aug 2020	93	97	1	102	0	102	7517.34	811
	Sep 2020	55	63	1	103	0	103	7512.74	770
WY 2020		1355	1351	9	1188	120	1308		
	Oct 2020	50	51	1	92	0	92	7507.87	727
	Nov 2020	36	37	0	70	0	70	7503.98	694
	Dec 2020	27	27	0	112	0	112	7493.48	609
	Jan 2021	26	25	0	67	0	67	7488.13	567
	Feb 2021	24	24	0	48	0	48	7484.91	542
	Mar 2021	39	41	0	0	51	51	7483.53	532
	Apr 2021	93	92	1	0	78	78	7485.38	546
	May 2021	276	272	1	6	273	279	7484.29	538
	Jun 2021	338	321	1	96	0	96	7511.75	761
	Jul 2021	152	157	2	107	0	107	7517.11	809
	Aug 2021	78	89	1	110	0	110	7514.56	786
	Sep 2021	45	59	1	108	0	108	7508.86	736
WY 2021		1184	1195	9	818	402	1220		

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The projected Lake Mead elevations resulting from these three inflow scenarios are summarized in a graph located at the following link:
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The water year 2020 unregulated inflow into Lake Powell in the October Probable Maximum inflow scenario is 18.00 maf, or 166 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 11.89 maf in water year 2020 and 13.33 maf in water year 2021. With intervening flows between Lake Powell and Lake Mead of 0.87 maf in water year 2020, Lake Mead's elevation is projected to be 1,117.12 feet on September 30, 2020.

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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 2018	24	56	1	57	56	0	56	7136.92	99
H	Nov 2018	23	19	1	20	13	0	15	7143.47	104
I	Dec 2018	21	21	1	22	18	0	18	7147.95	107
S	Jan 2019	21	17	1	17	18	0	18	7147.00	107
T	Feb 2019	20	23	0	24	23	0	23	7147.57	107
O	Mar 2019	29	25	1	26	26	0	26	7146.90	107
R	Apr 2019	136	33	15	47	41	0	41	7155.16	113
I	May 2019	240	105	25	130	127	0	131	7154.68	113
C	Jun 2019	512	194	41	235	186	0	234	7155.10	113
A	Jul 2019	295	138	13	150	151	0	151	7154.18	112
L	Aug 2019	93	137	2	139	137	0	139	7153.99	112
*	Sep 2019	32	93	1	93	60	0	96	7151.09	110
WY 2019		1446	859	102	961	858	0	949		
	Oct 2019	39	87	1	88	86	0	86	7153.73	112
	Nov 2019	36	80	2	82	82	0	82	7153.73	112
	Dec 2019	31	82	2	84	84	0	84	7153.73	112
	Jan 2020	38	52	3	55	55	0	55	7153.73	112
	Feb 2020	36	59	3	63	63	0	63	7153.73	112
	Mar 2020	58	71	5	76	76	0	76	7153.73	112
	Apr 2020	128	72	15	87	87	0	87	7153.73	112
	May 2020	358	325	36	361	306	55	361	7153.73	112
	Jun 2020	407	169	26	195	195	0	195	7153.73	112
	Jul 2020	178	106	8	114	114	0	114	7153.73	112
	Aug 2020	97	102	4	107	107	0	107	7153.73	112
	Sep 2020	59	103	3	106	106	0	106	7153.73	112
WY 2020		1465	1308	110	1418	1361	55	1416		
	Oct 2020	53	92	3	95	95	0	95	7153.73	112
	Nov 2020	39	70	2	72	72	0	72	7153.73	112
	Dec 2020	30	112	2	115	115	0	115	7153.73	112
	Jan 2021	28	67	2	69	69	0	69	7153.73	112
	Feb 2021	26	48	3	51	51	0	51	7153.73	112
	Mar 2021	44	51	4	56	56	0	56	7153.73	112
	Apr 2021	106	78	13	91	91	0	91	7153.73	112
	May 2021	308	279	32	311	306	5	311	7153.73	112
	Jun 2021	366	96	28	124	124	0	124	7153.73	112
	Jul 2021	159	107	7	115	115	0	115	7153.73	112
	Aug 2021	82	110	4	115	115	0	115	7153.73	112
	Sep 2021	48	108	3	111	111	0	111	7153.73	112
WY 2021		1289	1220	105	1325	1320	5	1325		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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)
*	Oct 2018	27	56	3	59	55	0	55	6751.87	17	33	24
H	Nov 2018	26	15	4	19	21	0	21	6743.11	14	1	19
I	Dec 2018	25	18	4	22	21	0	22	6745.32	15	0	20
S	Jan 2019	25	18	4	22	19	3	22	6746.57	15	1	20
T	Feb 2019	24	23	3	27	9	17	26	6748.26	16	1	25
O	Mar 2019	34	26	5	32	30	0	30	6752.77	17	0	29
R	Apr 2019	150	41	15	55	55	0	55	6753.29	17	26	29
I	May 2019	264	131	24	155	108	31	153	6759.30	19	47	105
C	Jun 2019	558	234	46	280	115	73	282	6753.12	17	51	231
A	Jul 2019	321	151	26	177	121	57	178	6746.79	15	59	124
L	Aug 2019	98	139	5	144	119	28	147	6733.35	12	64	88
*	Sep 2019	36	96	4	99	94	0	95	6750.61	16	61	36
WY 2019		1587	949	142	1091	768	210	1087			344	750
	Oct 2019	43	86	4	90	89	0	89	6753.04	17	30	59
	Nov 2019	40	82	4	86	86	0	86	6753.04	17	0	86
	Dec 2019	36	84	5	89	89	0	89	6753.04	17	0	89
	Jan 2020	46	55	8	62	62	0	62	6753.04	17	0	62
	Feb 2020	42	63	6	69	0	69	69	6753.04	17	0	69
	Mar 2020	68	76	10	86	47	39	86	6753.04	17	5	81
	Apr 2020	148	87	20	107	107	0	107	6753.04	17	42	65
	May 2020	413	361	55	416	134	282	416	6753.04	17	62	354
	Jun 2020	463	195	56	251	130	121	251	6753.04	17	61	190
	Jul 2020	202	114	24	138	134	4	138	6753.04	17	65	73
	Aug 2020	110	107	13	120	120	0	120	6753.04	17	65	55
	Sep 2020	69	106	10	116	116	0	116	6753.04	17	55	61
WY 2020		1680	1416	215	1631	1115	515	1630			385	1245
	Oct 2020	62	95	9	104	104	0	104	6753.04	17	30	74
	Nov 2020	44	72	6	78	78	0	78	6753.04	17	0	78
	Dec 2020	35	115	5	120	120	0	120	6753.04	17	0	120
	Jan 2021	33	69	5	75	75	0	75	6753.04	17	0	75
	Feb 2021	30	51	4	55	55	0	55	6753.04	17	0	55
	Mar 2021	51	56	7	63	63	0	63	6753.04	17	5	58
	Apr 2021	121	91	15	106	106	0	106	6753.04	17	42	64
	May 2021	351	311	44	355	134	221	355	6753.04	17	62	293
	Jun 2021	415	124	49	173	130	43	173	6753.04	17	61	112
	Jul 2021	179	115	19	134	134	0	134	6753.04	17	65	69
	Aug 2021	92	115	10	124	124	0	124	6753.04	17	65	59
	Sep 2021	56	111	7	118	118	0	118	6753.04	17	55	63
WY 2021		1470	1325	180	1505	1241	264	1505			385	1120

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 24-Month Study

Maximum 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 2018	9	3	7617.56	26
H	Nov 2018	5	0	7621.25	31
I	Dec 2018	3	0	7623.31	34
S	Jan 2019	4	0	7625.50	37
T	Feb 2019	4	0	7627.67	41
O	Mar 2019	6	6	7627.39	40
R	Apr 2019	32	25	7631.32	47
I	May 2019	58	41	7640.08	64
C	Jun 2019	160	101	7664.36	124
A	Jul 2019	69	68	7664.45	124
L	Aug 2019	20	38	7657.21	105
*	Sep 2019	8	33	7646.82	79
WY 2019		378	316		
	Oct 2019	9	17	7643.15	71
	Nov 2019	8	2	7645.55	77
	Dec 2019	7	2	7647.53	81
	Jan 2020	7	2	7649.65	86
	Feb 2020	6	2	7651.42	91
	Mar 2020	11	2	7655.06	100
	Apr 2020	30	7	7663.78	122
	May 2020	92	101	7660.25	113
	Jun 2020	90	76	7665.52	127
	Jul 2020	37	45	7662.26	118
	Aug 2020	25	38	7657.39	106
	Sep 2020	22	29	7654.57	98
WY 2020		345	323		
	Oct 2020	19	17	7655.41	101
	Nov 2020	11	8	7656.33	103
	Dec 2020	7	6	7656.67	104
	Jan 2021	6	5	7656.84	104
	Feb 2021	5	5	7657.09	105
	Mar 2021	10	2	7660.26	113
	Apr 2021	28	4	7668.87	136
	May 2021	84	71	7673.10	149
	Jun 2021	91	70	7679.60	169
	Jul 2021	38	42	7678.17	164
	Aug 2021	24	38	7673.41	150
	Sep 2021	21	29	7670.64	141
WY 2021		344	297		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 24-Month Study

Maximum 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 2018	23	1	17	1	7	31	6018.35	897	40
H	Nov 2018	15	0	10	1	0	18	6017.43	888	34
I	Dec 2018	12	0	9	0	0	18	6016.39	879	30
S	Jan 2019	13	0	10	0	0	19	6015.33	869	31
T	Feb 2019	17	0	14	1	1	16	6014.90	865	37
O	Mar 2019	114	1	113	1	4	18	6024.61	955	62
R	Apr 2019	230	24	203	2	20	20	6040.36	1117	102
I	May 2019	270	34	215	3	25	25	6054.45	1279	139
C	Jun 2019	491	57	376	4	36	114	6071.44	1501	385
A	Jul 2019	171	26	141	5	47	59	6073.56	1531	228
L	Aug 2019	40	6	52	4	42	78	6068.40	1459	104
*	Sep 2019	3	0	29	3	29	67	6063.13	1388	71
WY 2019		1400	150	1188	26	211	483			1263
	Oct 2019	18	0	26	2	10	32	6061.78	1371	51
	Nov 2019	25	0	19	1	0	31	6060.81	1358	50
	Dec 2019	24	0	19	1	0	31	6059.86	1346	47
	Jan 2020	32	0	27	1	0	27	6059.77	1345	46
	Feb 2020	44	2	38	1	0	27	6060.62	1356	44
	Mar 2020	135	15	112	2	6	31	6066.23	1429	61
	Apr 2020	250	32	195	3	21	34	6076.06	1567	107
	May 2020	407	54	361	4	36	299	6077.59	1589	502
	Jun 2020	328	47	266	5	53	297	6071.42	1500	508
	Jul 2020	97	11	94	5	57	125	6064.63	1408	218
	Aug 2020	66	5	74	4	48	31	6063.97	1399	85
	Sep 2020	63	5	65	3	26	50	6062.99	1386	95
WY 2020		1490	170	1298	29	256	1014			1814
	Oct 2020	65	4	59	2	9	31	6064.30	1403	67
	Nov 2020	41	0	38	1	0	30	6064.86	1411	51
	Dec 2020	30	0	29	1	0	31	6064.68	1409	48
	Jan 2021	25	0	25	1	0	31	6064.18	1402	45
	Feb 2021	36	0	35	1	0	28	6064.68	1408	41
	Mar 2021	117	9	100	2	6	31	6069.25	1470	57
	Apr 2021	214	21	170	3	22	30	6077.36	1586	93
	May 2021	347	37	297	4	37	205	6080.85	1638	379
	Jun 2021	306	29	256	5	53	286	6074.91	1550	477
	Jul 2021	96	5	95	5	57	56	6073.32	1527	145
	Aug 2021	59	2	71	4	48	31	6072.49	1515	78
	Sep 2021	58	2	64	3	26	30	6072.83	1520	69
WY 2021		1395	108	1239	30	258	817			1552

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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 2018	351	477	30	625	0	625	3590.46	4923	10862	650
H	Nov 2018	254	307	29	585	77	662	3586.50	4894	10507	669
I	Dec 2018	228	322	22	740	0	740	3581.85	4862	10099	744
S	Jan 2019	212	303	7	804	0	804	3576.34	4824	9629	815
T	Feb 2019	255	339	7	730	0	730	3571.89	4795	9261	741
O	Mar 2019	625	574	11	791	0	791	3569.28	4778	9049	798
R	Apr 2019	1242	899	18	720	0	720	3571.12	4790	9198	734
I	May 2019	2511	1980	23	720	0	720	3584.65	4881	10343	752
C	Jun 2019	4206	3583	41	765	0	765	3611.82	5087	12914	807
A	Jul 2019	2451	2015	57	857	0	857	3621.60	5168	13933	900
L	Aug 2019	472	608	58	900	0	900	3618.55	5143	13610	943
*	Sep 2019	143	379	52	687	0	687	3615.36	5116	13277	717
WY 2019		12951	11787	356	8924	77	9001				9270
	Oct 2019	380	476	36	625	0	625	3613.70	5102	13107	641
	Nov 2019	440	520	34	625	0	625	3612.44	5092	12977	636
	Dec 2019	380	554	27	750	0	750	3610.40	5075	12771	759
	Jan 2020	640	739	8	1210	0	1210	3605.95	5040	12327	1227
	Feb 2020	696	776	9	1070	0	1070	3603.08	5017	12047	1089
	Mar 2020	1179	1179	15	1130	0	1130	3603.42	5020	12079	1143
	Apr 2020	1870	1667	24	1010	0	1010	3609.35	5067	12665	1022
	May 2020	4151	3863	32	1000	0	1000	3633.83	5277	15286	1007
	Jun 2020	4723	4252	57	1050	0	1050	3657.73	5510	18198	1053
	Jul 2020	1933	1805	75	1190	0	1190	3661.56	5549	18697	1205
	Aug 2020	886	901	75	1270	0	1270	3658.42	5517	18286	1287
	Sep 2020	723	833	68	963	0	963	3657.00	5502	18103	980
WY 2020		18000	17563	459	11893	0	11893				12047
	Oct 2020	830	910	47	640	0	640	3658.59	5518	18309	656
	Nov 2020	620	717	46	640	0	640	3658.82	5521	18338	651
	Dec 2020	409	638	36	720	0	720	3657.97	5512	18228	729
	Jan 2021	409	604	11	1390	0	1390	3652.19	5453	17490	1405
	Feb 2021	446	588	12	1212	0	1212	3647.45	5406	16900	1227
	Mar 2021	775	778	20	1318	0	1318	3643.18	5364	16382	1329
	Apr 2021	1306	1158	31	1150	0	1150	3643.00	5363	16360	1161
	May 2021	3063	2824	38	1150	0	1150	3655.22	5484	17875	1156
	Jun 2021	3564	3254	64	1210	0	1210	3669.05	5630	19708	1213
	Jul 2021	1568	1341	80	1360	0	1360	3668.39	5623	19616	1375
	Aug 2021	694	739	78	1450	0	1450	3662.98	5565	18886	1468
	Sep 2021	493	593	69	1090	0	1090	3659.00	5523	18362	1104
WY 2021		14177	14142	533	13330	0	13330				13475

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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 2018	625	100	42	641	10.4	23	634	643	1078.52	9889
H	Nov 2018	662	67	42	690	11.6	16	689	642	1078.32	9872
I	Dec 2018	740	52	36	468	7.6	11	467	659	1081.46	10132
S	Jan 2019	804	106	30	487	7.9	8	486	682	1085.75	10493
T	Feb 2019	730	126	28	621	11.2	6	620	694	1087.97	10682
O	Mar 2019	791	200	32	738	12.0	13	737	707	1090.24	10878
R	Apr 2019	720	118	39	902	15.2	15	900	700	1088.95	10767
I	May 2019	720	108	45	989	16.1	18	988	686	1086.48	10555
C	Jun 2019	765	69	54	912	15.3	27	911	676	1084.71	10405
A	Jul 2019	857	19	67	946	15.4	32	946	666	1082.82	10246
L	Aug 2019	900	65	71	802	13.0	36	801	669	1083.45	10299
*	Sep 2019	687	60	59	696	11.7	32	689	667	1083.00	10261
WY 2019		9001	1090	547	8892		237	8868			
	Oct 2019	625	91	43	609	9.9	17	609	670	1083.53	10306
	Nov 2019	625	61	43	567	9.5	9	567	674	1084.27	10368
	Dec 2019	750	50	37	352	5.7	5	352	699	1088.75	10750
	Jan 2020	1210	93	31	523	8.5	9	523	744	1096.72	11445
	Feb 2020	1070	104	29	602	10.5	8	602	777	1102.35	11946
	Mar 2020	1130	71	34	932	15.2	18	932	790	1104.61	12151
	Apr 2020	1010	68	42	1005	16.9	22	1005	790	1104.70	12158
	May 2020	1000	38	48	950	15.5	31	950	791	1104.78	12166
	Jun 2020	1050	19	58	924	15.5	31	924	794	1105.35	12218
	Jul 2020	1190	82	74	794	12.9	34	794	817	1109.12	12566
	Aug 2020	1270	94	80	741	12.1	31	741	848	1114.23	13046
	Sep 2020	963	98	67	676	11.4	24	676	866	1117.12	13322
WY 2020		11893	868	586	8674		240	8674			
	Oct 2020	640	92	49	480	7.8	26	480	877	1118.84	13489
	Nov 2020	640	62	49	596	10.0	18	596	879	1119.22	13525
	Dec 2020	720	51	43	493	8.0	14	493	893	1121.36	13734
	Jan 2021	1390	82	36	566	9.2	9	566	945	1129.49	14543
	Feb 2021	1212	83	34	651	11.7	9	651	982	1135.01	15108
	Mar 2021	1318	65	39	981	15.9	18	981	1003	1138.08	15431
	Apr 2021	1150	62	49	1055	17.7	23	1055	1008	1138.84	15512
	May 2021	1150	36	57	995	16.2	32	995	1015	1139.75	15608
	Jun 2021	1210	15	69	917	15.4	32	917	1027	1141.56	15804
	Jul 2021	1360	82	87	826	13.4	34	826	1057	1145.82	16267
	Aug 2021	1450	104	95	723	11.8	32	723	1100	1151.73	16928
	Sep 2021	1090	81	80	710	11.9	25	710	1122	1154.67	17263
WY 2021		13330	817	686	8992		271	8992			

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 24-Month Study

Maximum 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 2018	641	-11	15	635	0	635	10.3	637.08	1540
H	Nov 2018	690	-28	11	610	0	610	10.3	638.62	1581
I	Dec 2018	468	-14	9	386	0	386	6.3	640.79	1639
S	Jan 2019	487	-29	10	418	0	418	6.8	641.89	1668
T	Feb 2019	621	-6	10	569	0	569	10.2	643.20	1704
O	Mar 2019	738	7	13	749	0	749	12.2	642.57	1687
R	Apr 2019	902	0	17	886	0	886	14.9	642.52	1686
I	May 2019	989	-9	22	937	0	937	15.2	643.32	1707
C	Jun 2019	912	-12	25	886	0	886	14.9	642.89	1696
A	Jul 2019	946	-11	25	895	0	894	14.5	643.48	1712
L	Aug 2019	802	-11	23	800	0	800	13.0	642.31	1680
*	Sep 2019	696	-17	18	767	0	767	12.9	638.35	1573
WY 2019		8892	-142	198	8538	0	8539			
	Oct 2019	609	-4	15	600	0	600	9.8	638.00	1564
	Nov 2019	567	-19	11	511	0	511	8.6	639.01	1591
	Dec 2019	352	-12	9	338	0	338	5.5	638.70	1583
	Jan 2020	523	-16	10	413	0	413	6.7	641.80	1666
	Feb 2020	602	-13	10	579	0	579	10.1	641.80	1666
	Mar 2020	932	-15	13	869	0	869	14.1	643.05	1700
	Apr 2020	1005	-17	17	973	0	973	16.4	643.00	1699
	May 2020	950	-11	22	917	0	917	14.9	643.00	1699
	Jun 2020	924	-16	25	882	0	882	14.8	643.00	1699
	Jul 2020	794	-12	25	784	0	784	12.7	642.00	1671
	Aug 2020	741	-11	23	707	0	707	11.5	642.00	1671
	Sep 2020	676	-12	18	699	0	699	11.7	640.01	1618
WY 2020		8674	-159	198	8272	0	8272			
	Oct 2020	480	-4	15	644	0	644	10.5	633.00	1434
	Nov 2020	596	-19	10	516	0	516	8.7	635.00	1486
	Dec 2020	493	-12	9	374	0	374	6.1	638.71	1583
	Jan 2021	566	-16	10	457	0	457	7.4	641.80	1666
	Feb 2021	651	-13	10	628	0	628	11.3	641.80	1666
	Mar 2021	981	-15	13	918	0	918	14.9	643.05	1700
	Apr 2021	1055	-17	17	1023	0	1023	17.2	643.00	1699
	May 2021	995	-11	22	961	0	961	15.6	643.00	1699
	Jun 2021	917	-16	25	875	0	875	14.7	643.00	1699
	Jul 2021	826	-12	25	817	0	817	13.3	642.00	1671
	Aug 2021	723	-11	23	689	0	689	11.2	642.00	1671
	Sep 2021	710	-12	18	733	0	733	12.3	640.01	1618
WY 2021		8992	-159	197	8635	0	8635			

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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 2018	635	23	12	394	6.4	86	176	448.12	582	68	1.1
H	Nov 2018	610	16	9	357	6.0	85	173	447.99	580	97	1.6
I	Dec 2018	386	26	7	218	3.5	70	143	446.53	552	105	1.7
S	Jan 2019	418	19	6	250	4.1	87	91	446.58	553	122	2.0
T	Feb 2019	569	13	8	372	6.7	31	151	447.53	571	143	2.6
O	Mar 2019	749	-5	9	630	10.2	11	83	447.86	577	185	3.0
R	Apr 2019	886	6	11	712	12.0	28	144	447.29	567	170	2.9
I	May 2019	937	8	13	693	11.3	51	154	448.62	592	128	2.1
C	Jun 2019	886	11	15	717	12.0	53	104	448.47	589	138	2.3
A	Jul 2019	894	15	17	739	12.0	59	92	448.12	582	146	2.4
L	Aug 2019	800	15	17	636	10.3	67	102	447.22	565	111	1.8
*	Sep 2019	767	26	15	514	8.6	61	160	449.03	600	103	1.7
WY 2019		8539	174	140	6231		690	1571			1516	
	Oct 2019	600	24	12	449	7.3	42	142	447.50	571	63	1.0
	Nov 2019	511	14	9	375	6.3	14	122	447.50	571	88	1.5
	Dec 2019	338	22	7	291	4.7	14	62	446.50	552	83	1.4
	Jan 2020	413	18	6	262	4.3	82	77	446.50	552	122	2.0
	Feb 2020	579	11	8	431	7.5	72	72	446.50	552	148	2.6
	Mar 2020	869	5	9	705	11.5	5	143	446.70	555	186	3.0
	Apr 2020	973	12	11	728	12.2	61	137	448.70	593	172	2.9
	May 2020	917	13	13	695	11.3	64	145	448.70	593	116	1.9
	Jun 2020	882	11	16	718	12.1	61	84	448.70	593	124	2.1
	Jul 2020	784	19	17	677	11.0	64	45	448.00	580	131	2.1
	Aug 2020	707	20	17	599	9.7	64	45	447.50	571	102	1.7
	Sep 2020	699	14	15	508	8.5	61	118	447.50	570	93	1.6
WY 2020		8272	182	139	6439		605	1192			1428	
	Oct 2020	644	24	12	486	7.9	18	145	447.50	571	63	1.0
	Nov 2020	516	14	9	359	6.0	17	140	447.50	571	96	1.6
	Dec 2020	374	22	7	310	5.0	18	75	446.50	552	106	1.7
	Jan 2021	457	18	6	265	4.3	81	118	446.50	552	125	2.0
	Feb 2021	628	11	8	435	7.8	72	118	446.50	552	152	2.7
	Mar 2021	918	5	9	710	11.5	4	187	446.70	555	192	3.1
	Apr 2021	1023	12	11	732	12.3	62	182	448.70	593	178	3.0
	May 2021	961	13	13	697	11.3	64	187	448.70	593	119	1.9
	Jun 2021	875	11	16	720	12.1	62	76	448.70	593	127	2.1
	Jul 2021	817	19	17	679	11.0	64	75	448.00	580	135	2.2
	Aug 2021	689	20	17	600	9.8	64	25	447.50	571	104	1.7
	Sep 2021	733	14	15	510	8.6	62	150	447.50	570	96	1.6
WY 2021		8635	182	139	6503		588	1480			1492	

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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 2018	641	10.4	1078.52	9889	19	435.29	1406.1	247.8	87	386.7
H	Nov 2018	690	11.6	1078.32	9872	-16	434.47	755.0	266.1	49	385.8
I	Dec 2018	453	7.6	1081.46	10132	260	438.59	959.9	179.6	61	396.6
S	Jan 2019	487	7.9	1085.75	10493	361	442.10	1006.1	183.4	63	376.8
T	Feb 2019	621	11.2	1087.97	10682	189	443.82	1119.0	246.4	70	396.7
O	Mar 2019	738	12.0	1090.24	10878	195	444.26	1112.0	295.7	70	400.6
R	Apr 2019	902	15.2	1088.95	10767	-111	439.99	810.1	365.4	51	405.2
I	May 2019	989	16.1	1086.48	10555	-211	440.79	803.9	398.2	51	402.5
C	Jun 2019	912	15.3	1084.71	10405	-150	439.38	1591.0	359.0	100	393.7
A	Jul 2019	946	15.4	1082.82	10246	-159	435.56	1486.0	371.7	93	392.7
L	Aug 2019	802	13.0	1083.45	10299	53	439.02	1297.0	313.5	81	390.9
*	Sep 2019	696	11.7	1083.00	10261	-38	439.88	1494.1	267.4	93	384.4
WY 2019		8877							3494.1		
	Oct 2019	609	9.9	1083.53	10306	45	435.65	1198.0	238.6	74	392.0
	Nov 2019	567	9.5	1084.27	10368	62	435.39	1291.0	220.8	81	389.0
	Dec 2019	352	5.7	1088.75	10750	382	438.45	1213.0	133.4	74	379.5
	Jan 2020	523	8.5	1096.72	11445	695	444.22	1152.1	210.9	70	403.6
	Feb 2020	602	10.5	1102.35	11946	502	451.31	948.0	247.6	57	411.3
	Mar 2020	932	15.2	1104.61	12151	204	453.66	1117.0	388.2	68	416.5
	Apr 2020	1005	16.9	1104.70	12158	8	452.61	1365.9	411.9	85	409.7
	May 2020	950	15.5	1104.78	12166	7	451.72	1480.0	388.5	94	408.8
	Jun 2020	924	15.5	1105.35	12218	52	451.38	1552.0	376.7	100	407.7
	Jul 2020	794	12.9	1109.12	12566	348	453.87	1552.0	325.2	100	409.7
	Aug 2020	741	12.1	1114.23	13046	480	458.61	1552.0	303.9	100	410.0
	Sep 2020	676	11.4	1117.12	13322	276	463.23	1552.0	277.2	100	410.3
WY 2020		8674							3522.9		
	Oct 2020	480	7.8	1118.84	13489	167	471.39	1054.0	201.2	67	419.5
	Nov 2020	596	10.0	1119.22	13525	36	474.73	1054.0	252.8	67	423.9
	Dec 2020	493	8.0	1121.36	13734	208	474.10	1066.0	208.4	68	422.8
	Jan 2021	566	9.2	1129.49	14543	809	477.01	1081.0	237.7	68	420.2
	Feb 2021	651	11.7	1135.01	15108	565	483.56	978.1	283.9	61	436.1
	Mar 2021	981	15.9	1138.08	15431	323	486.61	1289.5	437.5	68	446.1
	Apr 2021	1055	17.7	1138.84	15512	80	486.27	1609.0	464.0	85	439.7
	May 2021	995	16.2	1139.75	15608	97	486.11	1785.9	428.6	94	430.7
	Jun 2021	917	15.4	1141.56	15804	196	486.79	1911.6	398.7	100	435.0
	Jul 2021	826	13.4	1145.82	16267	463	490.15	1935.7	363.1	100	439.3
	Aug 2021	723	11.8	1151.73	16928	661	495.55	1969.3	315.0	100	435.5
	Sep 2021	710	11.9	1154.67	17263	335	500.62	1980.6	312.2	100	440.0
WY 2021		8992							3903.0		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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 2018	635	10.3	637.08	1540	-21	135.95	184.3	77.8	72	122.4
H	Nov 2018	610	10.3	638.62	1581	40	137.20	158.1	78.4	62	128.4
I	Dec 2018	386	6.3	640.79	1639	58	140.00	153.0	47.3	60	122.5
S	Jan 2019	418	6.8	641.89	1668	30	143.26	159.6	56.8	63	135.8
T	Feb 2019	569	10.2	643.20	1704	36	144.69	209.5	68.8	82	120.9
O	Mar 2019	749	12.2	642.57	1687	-17	140.17	218.8	94.8	86	126.6
R	Apr 2019	886	14.9	642.52	1686	-1	142.03	210.8	111.9	83	126.3
I	May 2019	937	15.2	643.32	1707	22	139.79	238.6	119.5	94	127.6
C	Jun 2019	886	14.9	642.89	1696	-12	140.50	255.0	113.6	100	128.3
A	Jul 2019	895	14.5	643.48	1712	16	142.50	255.0	113.2	100	126.5
L	Aug 2019	800	13.0	642.31	1680	-32	139.60	255.0	101.8	100	127.3
*	Sep 2019	767	12.9	638.35	1573	-107	137.20	255.0	96.0	100	125.1
WY 2019		8538		1079.9							
	Oct 2019	600	9.8	638.00	1564	-9	136.42	227.0	73.7	89	122.9
	Nov 2019	511	8.6	639.01	1591	27	137.25	159.8	63.2	63	123.6
	Dec 2019	338	5.5	638.70	1583	-8	139.02	154.7	42.3	61	125.2
	Jan 2020	413	6.7	641.80	1666	83	139.83	156.3	52.1	61	126.0
	Feb 2020	579	10.1	641.80	1666	0	139.92	156.5	73.0	61	126.1
	Mar 2020	869	14.1	643.05	1700	34	138.98	194.1	108.9	76	125.2
	Apr 2020	973	16.4	643.00	1699	-1	138.81	249.9	121.7	98	125.1
	May 2020	917	14.9	643.00	1699	0	139.29	255.0	115.0	100	125.5
	Jun 2020	882	14.8	643.00	1699	0	139.31	255.0	110.7	100	125.5
	Jul 2020	784	12.7	642.00	1671	-27	139.56	255.0	98.6	100	125.7
	Aug 2020	707	11.5	642.00	1671	0	139.54	255.0	88.9	100	125.7
	Sep 2020	699	11.7	640.01	1618	-54	138.45	255.0	87.2	100	124.7
WY 2020		8272		1035.2							
	Oct 2020	644	10.5	633.00	1434	-183	134.45	227.0	78.1	89	121.1
	Nov 2020	516	8.7	635.00	1486	51	132.71	159.8	61.7	63	119.6
	Dec 2020	374	6.1	638.71	1583	97	136.73	154.7	46.1	61	123.2
	Jan 2021	457	7.4	641.80	1666	83	139.51	156.3	57.4	61	125.7
	Feb 2021	628	11.3	641.80	1666	0	139.42	156.6	78.9	61	125.6
	Mar 2021	918	14.9	643.05	1700	34	138.70	194.1	114.7	76	125.0
	Apr 2021	1023	17.2	643.00	1699	-1	138.54	249.9	127.7	98	124.8
	May 2021	961	15.6	643.00	1699	0	139.03	255.0	120.4	100	125.3
	Jun 2021	875	14.7	643.00	1699	0	139.36	255.0	109.9	100	125.6
	Jul 2021	817	13.3	642.00	1671	-27	139.37	255.0	102.5	100	125.6
	Aug 2021	689	11.2	642.00	1671	0	139.65	255.0	86.7	100	125.8
	Sep 2021	733	12.3	640.01	1618	-54	138.23	255.0	91.3	100	124.5
WY 2021		8635		1075.3							

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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 2018	394	6.4	448.12	582	-16	82.83	90.0	27.9	75	70.9
H	Nov 2018	357	6.0	447.99	580	-3	82.25	93.0	26.1	78	73.0
I	Dec 2018	218	3.5	446.53	552	-27	81.03	116.1	12.9	97	59.1
S	Jan 2019	250	4.1	446.58	553	1	82.75	117.1	17.0	98	68.2
T	Feb 2019	372	6.7	447.53	571	18	81.87	95.4	25.5	79	68.6
O	Mar 2019	630	10.2	447.86	577	6	82.11	111.3	44.3	93	70.4
R	Apr 2019	712	12.0	447.29	567	-11	79.40	115.0	49.5	96	69.5
I	May 2019	673	11.3	448.62	592	25	80.51	119.0	48.6	99	72.2
C	Jun 2019	717	12.0	448.47	589	-3	80.43	120.0	50.3	100	70.2
A	Jul 2019	739	12.0	448.12	582	-7	80.11	120.0	51.4	100	69.5
L	Aug 2019	636	10.3	447.22	565	-17	77.13	120.0	44.3	100	69.7
*	Sep 2019	514	8.6	449.03	600	34	83.07	120.0	35.9	100	69.8
WY 2019		6211							433.7		
	Oct 2019	449	7.3	447.50	571	-29	77.03	90.0	29.8	75	66.3
	Nov 2019	375	6.3	447.50	571	0	76.14	93.0	24.4	78	65.1
	Dec 2019	291	4.7	446.50	552	-19	74.65	114.2	18.3	95	62.9
	Jan 2020	262	4.3	446.50	552	0	75.07	94.8	16.4	79	62.7
	Feb 2020	431	7.5	446.50	552	0	75.16	93.1	28.0	78	65.1
	Mar 2020	705	11.5	446.70	555	4	74.01	120.0	45.8	100	64.9
	Apr 2020	728	12.2	448.70	593	38	75.08	120.0	47.9	100	65.9
	May 2020	695	11.3	448.70	593	0	76.05	120.0	46.2	100	66.5
	Jun 2020	718	12.1	448.70	593	0	76.05	120.0	47.8	100	66.6
	Jul 2020	677	11.0	448.00	580	-13	75.71	120.0	44.8	100	66.1
	Aug 2020	599	9.7	447.50	571	-9	75.13	120.0	39.2	100	65.5
	Sep 2020	508	8.5	447.50	570	0	74.89	120.0	33.0	100	65.0
WY 2020		6439							421.8		
	Oct 2020	486	7.9	447.50	571	0	76.29	90.0	32.1	75	66.1
	Nov 2020	359	6.0	447.50	571	0	76.19	92.0	23.3	77	65.0
	Dec 2020	310	5.0	446.50	552	-19	74.86	109.4	19.7	91	63.3
	Jan 2021	265	4.3	446.50	552	0	75.07	94.8	16.6	79	62.8
	Feb 2021	435	7.8	446.50	552	0	75.21	92.1	28.3	77	65.2
	Mar 2021	710	11.5	446.70	555	4	74.01	120.0	46.1	100	64.9
	Apr 2021	732	12.3	448.70	593	38	75.08	120.0	48.2	100	65.9
	May 2021	697	11.3	448.70	593	0	76.05	120.0	46.3	100	66.5
	Jun 2021	720	12.1	448.70	593	0	76.05	120.0	47.9	100	66.6
	Jul 2021	679	11.0	448.00	580	-13	75.71	120.0	44.9	100	66.2
	Aug 2021	600	9.8	447.50	571	-9	75.13	120.0	39.3	100	65.5
	Sep 2021	510	8.6	447.50	570	0	74.89	120.0	33.1	100	65.0
WY 2021		6503							426.0		

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 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 2018	268	39	11	19	9	4
H Nov 2018	248	36	5	4	2	5
I Dec 2018	313	47	5	6	2	5
S Jan 2019	335	47	4	6	1	4
T Feb 2019	302	42	6	8	1	3
O Mar 2019	325	22	6	9	4	3
Winter 2019	1790	233	36	51	19	24
R Apr 2019	294	27	9	14	10	4
I May 2019	299	38	23	45	21	6
C Jun 2019	332	82	33	64	22	8
A Jul 2019	391	39	28	54	23	7
L Aug 2019	412	42	24	49	22	7
* Sep 2019	312	44	15	22	18	2
Summer 2019	2041	273	131	248	115	34
Oct 2019	269	31	27	31	15	8
Nov 2019	268	31	24	30	15	6
Dec 2019	320	57	25	30	15	6
Jan 2020	514	60	15	20	11	5
Feb 2020	451	56	17	23	0	5
Mar 2020	475	85	21	27	8	5
Winter 2020	2297	318	129	161	65	34
Apr 2020	427	91	21	31	19	7
May 2020	436	67	60	110	23	8
Jun 2020	481	105	51	70	22	9
Jul 2020	560	86	34	41	23	10
Aug 2020	598	57	33	38	21	10
Sep 2020	451	55	32	38	20	2
Summer 2020	2953	462	231	330	128	44
Oct 2020	300	57	29	35	18	8
Nov 2020	300	53	22	26	14	8
Dec 2020	338	67	34	41	21	7
Jan 2021	647	71	20	25	13	7
Feb 2021	559	64	14	18	10	6
Mar 2021	602	65	0	20	11	5
Winter 2021	2747	377	118	165	86	41
Apr 2021	522	63	0	33	18	5
May 2021	529	28	2	110	23	7
Jun 2021	570	87	29	45	22	9
Jul 2021	648	32	34	41	23	10
Aug 2021	687	41	35	41	22	9
Sep 2021	514	39	34	40	20	2
Summer 2021	2956	250	99	270	109	39

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2019 24-Month Study

Maximum 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	BOM Space Total KAF	Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
****PREDICTED SPACE****								****CREDITABLE SPACE****										
Oct 2019	412	94	308	11045	11858	17116	28974	412	94	308	814	11045	17116	28974	3040	609	0	31.5
Nov 2019	447	141	325	11215	12129	17071	29200	447	141	325	913	11215	17071	29200	3810	567	0	31.3
Dec 2019	478	187	338	11345	12348	17009	29357	478	187	338	1004	11345	17009	29357	4580	352	0	31.3
Jan 2020	591	240	350	11551	12733	16627	29360	591	240	350	1181	11551	16627	29360	5350	523	0	31.5
								****EFFECTIVE SPACE****										
Jan 2020	591	240	350	11551	12733	16627	29360	538	240	254	1033	11551	16627	29211	5350	523	0	31.5
Feb 2020	679	256	351	11995	13281	15932	29214	626	256	255	1137	11995	15932	29064	1500	602	0	31.7
Mar 2020	748	283	340	12275	13647	15431	29078	695	283	243	1221	12275	15431	28927	1500	932	0	31.9
Apr 2020	816	302	267	12243	13627	15226	28854	762	302	162	1226	12243	15226	28695	1500	1005	0	32.7
May 2020	820	254	129	11657	12860	15219	28079	762	254	1	1017	11657	15219	27893	1500	950	0	35.6
Jun 2020	564	262	107	9036	9969	15211	25181	489	262	-62	688	9036	15211	24936	1500	924	0	39.0
Jul 2020	257	70	196	6124	6647	15159	21806	160	64	-31	193	6124	15159	21476	1500	794	0	39.9
								****CREDITABLE SPACE****										
Aug 2020	119	12	288	5625	6044	14811	20855	119	12	288	419	5625	14811	20855	1500	741	0	40.0
Sep 2020	122	18	297	6036	6473	14331	20805	122	18	297	437	6036	14331	20805	2270	676	0	39.9
Oct 2020	180	60	310	6219	6768	14055	20823	180	60	310	549	6219	14055	20823	3040	480	0	40.0
Nov 2020	246	102	293	6013	6653	13888	20541	246	102	293	641	6013	13888	20541	3810	596	0	40.0
Dec 2020	322	135	285	5984	6726	13852	20578	322	135	285	742	5984	13852	20578	4580	493	0	40.0
Jan 2021	463	221	287	6094	7066	13643	20709	463	221	287	972	6094	13643	20709	5350	566	0	39.9
								****EFFECTIVE SPACE****										
Jan 2021	463	221	287	6094	7066	13643	20709	163	220	287	670	6094	13643	20407	5350	566	0	39.9
Feb 2021	610	263	294	6832	7999	12834	20834	311	262	294	867	6832	12834	20533	1500	651	0	39.8
Mar 2021	735	287	288	7422	8732	12269	21001	436	286	288	1010	7422	12269	20701	1500	981	0	39.6
Apr 2021	801	297	226	7940	9264	11946	21210	500	297	226	1023	7940	11946	20909	1500	1055	0	39.8
May 2021	813	284	110	7962	9169	11865	21034	508	283	102	893	7962	11865	20720	1500	995	0	41.6
Jun 2021	651	292	58	6447	7448	11769	19217	334	287	10	630	6447	11769	18846	1500	917	0	43.9
Jul 2021	535	68	146	4614	5363	11573	16937	204	45	39	288	4614	11573	16475	1500	826	0	44.4
								****CREDITABLE SPACE****										
Aug 2021	354	21	169	4706	5249	11110	16358	354	21	169	543	4706	11110	16358	1500	723	0	44.3
Sep 2021	360	44	181	5436	6019	10449	16468	360	44	181	584	5436	10449	16468	2270	710	0	44.0

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

Model Run ID: 3105

Processed On: 10/10/2019 3:26:54PM