

To: All Annual Operating Plan Recipients

From: Lower Colorado Basin Region
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The operation of Lake Powell and Lake Mead in this April 2020 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines) and reflects the 2020 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2019 24-Month Study projections of the January 1, 2020, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2020.

Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2020 will be governed by the Upper Elevation Balancing Tier. With an 8.23 million acre-foot (maf) release from Lake Powell in water year 2020, the April 2020 24-Month Study projects the end of water year elevation at Lake Powell to be above 3,575 feet, and the end of water year elevation at Lake Mead to be above 1,075 feet. Therefore, in accordance with Section 6.B.1 of the Interim Guidelines, Lake Powell will continue to release 8.23 maf through the remainder of water year 2020.

Consistent with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar year 2020. In addition, Section III.B of Exhibit 1 to the Lower Basin Drought Contingency Plan (DCP) Agreement will also govern the operation of Lake Mead in calendar year 2020.

The 2020 AOP is available for download at:

<https://www.usbr.gov/lc/region/q4000/aop/AOP20.pdf>.

The Interim Guidelines are available for download at:

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

The Colorado River DCPs are available for download at:

<https://www.usbr.gov/lc/region/programs/dcp.html>.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows: Observed unregulated inflow into Lake Powell for the month of March was 0.475 maf or 71 percent of the 30-year average from 1981 to 2010. The April unregulated inflow forecast for Lake Powell is 0.730 maf or 69 percent of the 30-year average. The 2020 April through July unregulated inflow forecast is 5.600 maf or 78 percent of average.

In this study, the calendar year 2020 diversion for Metropolitan Water District of Southern California (MWD) is forecasted to be 0.901 maf. The calendar year 2020 diversion for the Central Arizona Project (CAP) is forecasted to be 1.417 maf. Consumptive use for Nevada above Hoover (SNWP Use) is forecasted to be 0.246 maf for calendar year 2020.

Due to changing Lake Mead elevations, Hoover's generator capacity is adjusted based on estimated effective capacity and plant availability. The estimated effective capacity is based on projected Lake Mead elevations. Unit capacity tests will be performed as the lake elevation changes. This study reflects these changes in the projections.

Hoover, Davis, and Parker historical gross energy figures come from PO&M reports provided by the Lower Colorado Region's Power Office, Bureau of Reclamation, Boulder City, Nevada. Questions regarding these historical energy numbers can be directed to Colleen Dwyer at (702) 293-8420.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir



— BUREAU OF —
RECLAMATION

	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)
*	Apr 2019	114	1	71	0	71	6474.10	137
H	May 2019	167	1	98	0	98	6486.46	204
I	Jun 2019	337	2	107	171	278	6494.89	261
S	Jul 2019	184	3	86	39	125	6502.48	317
T	Aug 2019	57	2	74	0	74	6499.98	298
O	Sep 2019	41	2	19	47	66	6496.36	271
	WY 2019	1101	15	799	278	1077		
R	Oct 2019	50	1	61	7	67	6493.83	253
I	Nov 2019	46	1	63	0	63	6491.39	236
C	Dec 2019	36	1	64	0	64	6487.01	208
A	Jan 2020	34	1	64	0	64	6481.89	177
L	Feb 2020	32	1	60	0	60	6476.34	147
*	Mar 2020	54	1	65	0	65	6473.94	136
	Apr 2020	85	1	69	0	69	6477.12	152
	May 2020	140	1	82	0	82	6486.97	208
	Jun 2020	275	2	104	81	185	6499.64	296
	Jul 2020	150	3	103	25	128	6502.22	316
	Aug 2020	60	2	73	0	73	6500.28	301
	Sep 2020	45	2	20	42	62	6497.69	282
	WY 2020	1007	15	827	155	982		
	Oct 2020	48	1	65	0	65	6495.24	264
	Nov 2020	42	1	65	0	65	6491.75	240
	Dec 2020	32	1	68	0	68	6486.20	203
	Jan 2021	30	1	68	0	68	6479.78	166
	Feb 2021	28	0	61	0	61	6472.85	132
	Mar 2021	53	0	70	0	70	6468.77	114
	Apr 2021	85	1	71	0	71	6471.91	127
	May 2021	164	1	91	0	91	6485.40	198
	Jun 2021	299	2	103	96	199	6499.59	296
	Jul 2021	178	3	102	40	141	6503.94	329
	Aug 2021	77	2	95	2	97	6500.96	306
	Sep 2021	46	2	20	51	71	6497.30	279
	WY 2021	1081	15	879	189	1069		
	Oct 2021	49	1	68	0	68	6494.49	259
	Nov 2021	42	1	65	0	65	6491.01	235
	Dec 2021	32	1	68	0	68	6485.40	198
	Jan 2022	30	1	68	0	68	6478.81	161
	Feb 2022	28	0	61	0	61	6471.73	127
	Mar 2022	53	0	70	0	70	6467.54	109

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir



— BUREAU OF —
RECLAMATION

	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)
*	Apr 2019	240	198	5	71	0	71	133	6028.79	3303	341
H	May 2019	252	183	8	99	0	99	136	6030.71	3376	568
I	Jun 2019	460	400	11	215	100	315	139	6032.55	3448	950
S	Jul 2019	227	169	14	100	0	100	141	6033.89	3502	376
T	Aug 2019	59	76	13	109	0	109	139	6032.79	3458	151
O	Sep 2019	49	74	11	113	0	113	137	6031.57	3410	134
	WY 2019	1553	1529	82	1315	100	1415				3351
R	Oct 2019	53	70	7	80	0	80	136	6031.13	3393	109
I	Nov 2019	63	79	4	81	0	81	136	6030.99	3387	115
C	Dec 2019	39	67	2	128	0	128	134	6029.43	3327	169
A	Jan 2020	49	80	2	133	0	133	132	6028.03	3274	168
L	Feb 2020	47	76	2	124	0	124	130	6026.75	3225	157
*	Mar 2020	106	117	3	119	0	119	130	6026.61	3220	228
	Apr 2020	140	124	5	116	0	116	130	6026.69	3223	351
	May 2020	210	152	8	61	0	61	133	6028.80	3303	586
	Jun 2020	360	270	11	222	0	222	134	6029.73	3339	732
	Jul 2020	170	148	14	71	0	71	137	6031.30	3399	161
	Aug 2020	70	83	13	86	0	86	136	6030.90	3384	107
	Sep 2020	50	67	11	95	0	95	135	6029.94	3347	110
	WY 2020	1357	1332	82	1317	0	1317				2994
	Oct 2020	55	72	7	73	0	73	134	6029.73	3338	101
	Nov 2020	50	73	3	97	0	97	133	6029.03	3312	127
	Dec 2020	35	71	2	148	0	148	130	6027.03	3236	173
	Jan 2021	40	78	2	148	0	148	127	6025.19	3167	173
	Feb 2021	45	78	2	133	0	133	125	6023.69	3112	161
	Mar 2021	102	120	3	58	0	58	127	6025.21	3168	135
	Apr 2021	134	119	5	57	0	57	130	6026.71	3224	272
	May 2021	245	173	8	81	0	81	133	6028.85	3305	613
	Jun 2021	390	290	11	211	0	211	136	6030.55	3370	631
	Jul 2021	210	174	14	71	0	71	139	6032.75	3456	171
	Aug 2021	89	109	13	86	0	86	139	6033.00	3466	111
	Sep 2021	55	81	12	83	0	83	139	6032.65	3453	102
	WY 2021	1449	1437	81	1246	0	1246				2770
	Oct 2021	59	78	8	69	0	69	139	6032.69	3454	101
	Nov 2021	51	74	4	103	0	103	138	6031.90	3423	135
	Dec 2021	35	71	2	154	0	154	134	6029.80	3341	179
	Jan 2022	40	78	2	154	0	154	131	6027.84	3267	179
	Feb 2022	45	78	2	139	0	139	129	6026.23	3206	167
	Mar 2022	102	120	3	111	0	111	129	6026.38	3212	187

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

Model Run ID: 3117

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir



— BUREAU OF —
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Apr 2019	10	7	9306.14	64
H	May 2019	21	26	9302.64	59
I	Jun 2019	68	38	9320.92	89
S	Jul 2019	47	32	9328.49	103
T	Aug 2019	15	24	9323.77	94
O	Sep 2019	7	20	9316.42	81
	WY 2019	191	168		
R	Oct 2019	7	11	9314.38	77
I	Nov 2019	5	6	9313.69	76
C	Dec 2019	5	6	9313.35	75
A	Jan 2020	5	6	9312.60	74
L	Feb 2020	4	6	9311.82	73
*	Mar 2020	5	6	9310.93	71
	Apr 2020	6	6	9310.96	71
	May 2020	22	13	9316.23	80
	Jun 2020	35	22	9323.38	93
	Jul 2020	15	22	9319.87	87
	Aug 2020	8	19	9313.48	76
	Sep 2020	6	18	9306.06	64
	WY 2020	123	140		
	Oct 2020	6	7	9305.08	62
	Nov 2020	5	5	9304.90	62
	Dec 2020	5	5	9304.55	62
	Jan 2021	4	5	9303.97	61
	Feb 2021	4	5	9303.34	60
	Mar 2021	4	5	9302.81	59
	Apr 2021	9	10	9301.93	58
	May 2021	28	14	9311.38	72
	Jun 2021	42	20	9323.70	94
	Jul 2021	20	24	9321.91	90
	Aug 2021	10	19	9317.10	82
	Sep 2021	7	18	9311.08	72
	WY 2021	144	137		
	Oct 2021	7	12	9308.02	67
	Nov 2021	5	5	9308.06	67
	Dec 2021	5	5	9307.72	66
	Jan 2022	4	5	9307.17	65
	Feb 2022	4	5	9306.57	65
	Mar 2022	4	5	9306.07	64

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Blue Mesa Reservoir



— BUREAU OF —
RECLAMATION

	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)
*	Apr 2019	121	118	0	33	0	33	7453.91	335
H	May 2019	214	218	1	86	18	105	7471.68	447
I	Jun 2019	471	444	1	124	70	194	7504.14	696
S	Jul 2019	282	266	2	87	51	138	7518.61	823
T	Aug 2019	92	100	1	76	62	137	7514.39	784
O	Sep 2019	32	45	1	45	47	93	7508.84	736
	WY 2019	1344	1320	7	601	260	859		
R	Oct 2019	28	32	1	63	3	85	7502.51	682
I	Nov 2019	31	32	0	54	0	72	7497.63	642
C	Dec 2019	30	30	0	70	0	85	7490.79	588
A	Jan 2020	26	28	0	44	0	61	7486.45	554
L	Feb 2020	23	25	0	30	0	41	7484.20	537
*	Mar 2020	34	36	0	38	0	38	7483.85	534
	Apr 2020	55	55	1	63	0	63	7482.73	526
	May 2020	160	151	1	183	0	183	7478.19	493
	Jun 2020	230	217	1	44	0	44	7500.37	664
	Jul 2020	80	87	1	82	0	82	7500.71	667
	Aug 2020	45	56	1	65	11	76	7498.15	646
	Sep 2020	35	47	1	73	0	73	7494.73	619
	WY 2020	778	795	8	811	14	904		
	Oct 2020	36	38	1	64	0	64	7491.40	592
	Nov 2020	30	31	0	15	0	15	7493.34	608
	Dec 2020	26	26	0	42	0	42	7491.30	592
	Jan 2021	24	25	0	42	0	42	7489.09	574
	Feb 2021	22	23	0	44	0	44	7486.42	554
	Mar 2021	36	37	0	0	45	45	7485.28	545
	Apr 2021	77	78	1	0	53	53	7488.56	570
	May 2021	221	207	1	6	23	29	7510.12	747
	Jun 2021	261	239	1	180	0	180	7516.65	805
	Jul 2021	117	120	2	99	0	99	7518.79	824
	Aug 2021	63	72	1	108	0	108	7514.65	787
	Sep 2021	38	48	1	95	0	95	7509.16	739
	WY 2021	952	945	9	696	120	816		
	Oct 2021	38	43	1	83	0	83	7504.42	698
	Nov 2021	31	31	0	57	0	57	7501.25	672
	Dec 2021	26	26	0	104	0	104	7491.59	594
	Jan 2022	24	25	0	57	0	57	7487.47	562
	Feb 2022	22	23	0	38	0	38	7485.51	547
	Mar 2022	36	37	0	43	0	43	7484.61	540

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir



— BUREAU OF —
RECLAMATION

	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)
*	Apr 2019	136	33	15	47	41	0	41	7155.16	113
H	May 2019	240	105	25	130	127	0	131	7154.68	113
I	Jun 2019	512	194	41	235	186	0	234	7155.10	113
S	Jul 2019	295	138	13	150	151	0	151	7154.18	112
T	Aug 2019	93	137	2	139	137	0	139	7153.99	112
O	Sep 2019	32	93	1	93	60	0	96	7151.09	110
	WY 2019	1446	859	102	961	858	0	949		
R	Oct 2019	29	85	1	86	78	0	89	7147.86	107
I	Nov 2019	31	72	1	72	71	0	71	7148.85	108
C	Dec 2019	30	85	1	85	85	0	85	7149.10	108
A	Jan 2020	27	61	1	61	63	0	63	7147.47	107
L	Feb 2020	23	41	0	41	41	0	41	7147.88	107
*	Mar 2020	36	38	2	40	42	0	42	7145.65	106
	Apr 2020	60	63	5	68	66	0	66	7147.94	107
	May 2020	180	183	20	203	203	0	203	7147.94	107
	Jun 2020	245	44	15	59	59	0	59	7147.94	107
	Jul 2020	85	82	5	87	87	0	87	7147.94	107
	Aug 2020	48	76	3	79	79	0	79	7147.94	107
	Sep 2020	37	73	2	75	75	0	75	7147.94	107
	WY 2020	832	904	55	958	949	0	960		
	Oct 2020	38	64	2	66	66	0	66	7147.94	107
	Nov 2020	32	15	2	17	17	0	17	7147.94	107
	Dec 2020	28	42	2	44	44	0	44	7147.94	107
	Jan 2021	27	42	2	44	44	0	44	7147.94	107
	Feb 2021	25	44	3	46	46	0	46	7147.94	107
	Mar 2021	40	45	4	49	49	0	49	7147.94	107
	Apr 2021	88	53	11	64	64	0	64	7147.94	107
	May 2021	247	29	26	55	55	0	55	7147.94	107
	Jun 2021	281	180	20	200	200	0	200	7147.94	107
	Jul 2021	123	99	6	105	105	0	105	7147.94	107
	Aug 2021	67	108	3	112	112	0	112	7147.94	107
	Sep 2021	41	95	3	98	98	0	98	7147.94	107
	WY 2021	1037	816	84	900	900	0	900		
	Oct 2021	41	83	3	86	86	0	86	7147.94	107
	Nov 2021	33	57	2	59	59	0	59	7147.94	107
	Dec 2021	28	104	2	106	106	0	106	7147.94	107
	Jan 2022	27	57	2	59	59	0	59	7147.94	107
	Feb 2022	25	38	3	40	40	0	40	7147.94	107
	Mar 2022	40	43	4	47	47	0	47	7147.94	107

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Crystal Reservoir



— BUREAU OF —
RECLAMATION

	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)
*	Apr 2019	150	41	15	55	55	0	55	6753.29	17	26	29
H	May 2019	264	131	24	155	108	31	153	6759.30	19	47	105
I	Jun 2019	558	234	46	280	115	73	282	6753.12	17	51	231
S	Jul 2019	321	151	26	177	121	57	178	6746.79	15	59	124
T	Aug 2019	98	139	5	144	119	28	147	6733.35	12	64	87
O	Sep 2019	36	96	4	99	94	0	95	6750.61	16	61	33
	WY 2019	1587	949	142	1091	768	210	1087			344	747
R	Oct 2019	33	89	3	92	92	0	92	6749.75	16	64	29
I	Nov 2019	35	71	4	75	76	0	76	6746.90	15	2	72
C	Dec 2019	34	85	4	89	89	0	89	6746.40	15	0	86
A	Jan 2020	31	63	4	67	58	9	67	6745.61	15	1	64
L	Feb 2020	26	41	3	44	24	19	43	6748.71	16	1	43
*	Mar 2020	42	42	6	47	45	1	46	6754.38	17	11	33
	Apr 2020	70	66	10	76	77	0	77	6749.63	16	42	35
	May 2020	205	203	25	228	136	92	228	6749.63	16	62	166
	Jun 2020	275	59	30	89	89	0	89	6749.63	16	61	28
	Jul 2020	90	87	5	92	92	0	92	6749.63	16	65	27
	Aug 2020	55	79	7	86	86	0	86	6749.63	16	65	21
	Sep 2020	41	75	4	79	79	0	79	6749.63	16	55	24
	WY 2020	937	960	105	1066	943	122	1066			428	629
	Oct 2020	43	66	5	70	70	0	70	6749.63	16	30	40
	Nov 2020	37	17	4	21	21	0	21	6749.63	16	0	21
	Dec 2020	32	44	5	49	49	0	49	6749.63	16	0	49
	Jan 2021	31	44	5	49	49	0	49	6749.63	16	0	49
	Feb 2021	29	46	4	50	50	0	50	6749.63	16	0	50
	Mar 2021	46	49	6	55	55	0	55	6749.63	16	5	50
	Apr 2021	101	64	12	76	76	0	76	6749.63	16	42	34
	May 2021	281	55	34	89	89	0	89	6749.63	16	62	27
	Jun 2021	315	200	34	234	132	102	234	6749.63	16	61	173
	Jul 2021	138	105	14	120	120	0	120	6749.63	16	65	55
	Aug 2021	75	112	8	120	120	0	120	6749.63	16	65	55
	Sep 2021	47	98	6	104	52	52	104	6749.63	16	55	49
	WY 2021	1175	900	138	1038	884	154	1038			385	653
	Oct 2021	47	86	6	92	92	0	92	6749.63	16	30	62
	Nov 2021	38	59	5	64	64	0	64	6749.63	16	0	64
	Dec 2021	32	106	5	111	111	0	111	6749.63	16	0	111
	Jan 2022	31	59	5	64	64	0	64	6749.63	16	0	64
	Feb 2022	29	40	4	44	44	0	44	6749.63	16	0	44
	Mar 2022	46	47	6	53	53	0	53	6749.63	16	5	48

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

Model Run ID: 3117

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Vallecito Reservoir



— BUREAU OF —
RECLAMATION

	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Apr 2019	32	25	7631.32	47
H	May 2019	58	41	7640.08	64
I	Jun 2019	160	101	7664.36	124
S	Jul 2019	69	68	7664.45	124
T	Aug 2019	20	38	7657.21	105
O	Sep 2019	8	33	7646.82	79
	WY 2019	378	316		
R	Oct 2019	4	13	7643.13	71
I	Nov 2019	4	2	7644.14	73
C	Dec 2019	4	2	7645.07	75
A	Jan 2020	5	2	7646.26	78
L	Feb 2020	4	2	7647.01	80
*	Mar 2020	6	2	7648.55	84
	Apr 2020	15	2	7653.85	97
	May 2020	53	31	7662.13	118
	Jun 2020	63	56	7664.45	124
	Jul 2020	20	41	7656.04	102
	Aug 2020	15	38	7646.51	79
	Sep 2020	14	29	7639.48	63
	WY 2020	206	219		
	Oct 2020	14	16	7638.00	60
	Nov 2020	8	2	7640.67	66
	Dec 2020	6	2	7642.71	70
	Jan 2021	5	2	7644.27	74
	Feb 2021	5	2	7645.58	77
	Mar 2021	9	2	7648.40	83
	Apr 2021	23	2	7657.02	105
	May 2021	71	53	7664.04	123
	Jun 2021	70	70	7663.86	123
	Jul 2021	29	42	7658.89	109
	Aug 2021	20	38	7651.55	91
	Sep 2021	17	30	7646.29	78
	WY 2021	278	260		
	Oct 2021	16	17	7645.52	77
	Nov 2021	9	2	7648.19	83
	Dec 2021	6	2	7650.04	87
	Jan 2022	5	2	7651.48	91
	Feb 2022	5	2	7652.69	94
	Mar 2022	9	2	7655.32	100

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Navajo Reservoir



— BUREAU OF —
RECLAMATION

		Mod Unreg Inflow (1000 Ac-Ft)	Azotea 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)
	Date									
*	Apr 2019	230	24	203	2	20	20	6040.36	1117	102
H	May 2019	270	34	215	3	25	25	6054.45	1279	139
I	Jun 2019	491	57	376	4	36	114	6071.44	1501	386
S	Jul 2019	171	26	142	5	47	60	6073.56	1531	228
T	Aug 2019	40	6	52	4	42	78	6068.40	1459	104
O	Sep 2019	3	0	29	3	29	67	6063.13	1388	71
	WY 2019	1401	150	1188	26	211	483			1264
R	Oct 2019	6	0	15	2	6	33	6061.08	1362	46
I	Nov 2019	15	0	13	1	0	25	6060.04	1348	45
C	Dec 2019	17	0	15	1	1	36	6058.25	1326	62
A	Jan 2020	17	0	14	1	1	31	6056.81	1308	49
L	Feb 2020	17	0	15	1	3	24	6055.76	1295	38
*	Mar 2020	35	2	29	2	5	25	6055.57	1292	36
	Apr 2020	85	8	64	2	21	22	6057.02	1310	52
	May 2020	180	22	136	4	36	25	6062.67	1382	135
	Jun 2020	150	18	126	4	53	30	6065.59	1421	150
	Jul 2020	25	1	45	5	57	31	6062.03	1374	81
	Aug 2020	28	1	49	4	48	31	6059.48	1341	61
	Sep 2020	28	1	42	3	26	22	6058.82	1333	46
	WY 2020	601	52	563	27	256	334			802
	Oct 2020	36	2	37	2	9	22	6059.15	1337	45
	Nov 2020	30	0	24	1	0	26	6058.84	1333	43
	Dec 2020	25	0	21	1	0	22	6058.69	1331	37
	Jan 2021	22	0	18	1	0	22	6058.39	1327	35
	Feb 2021	30	0	27	1	0	21	6058.81	1333	33
	Mar 2021	92	9	77	2	6	30	6061.88	1372	53
	Apr 2021	170	21	128	3	22	30	6067.49	1446	82
	May 2021	277	37	221	4	37	178	6067.73	1449	324
	Jun 2021	224	29	195	4	53	272	6057.35	1315	424
	Jul 2021	66	5	74	4	57	43	6054.85	1284	110
	Aug 2021	45	2	61	3	48	31	6053.11	1263	69
	Sep 2021	43	2	54	3	26	30	6052.70	1258	62
	WY 2021	1060	106	936	27	258	726			1318
	Oct 2021	47	2	46	2	9	31	6053.11	1263	59
	Nov 2021	34	0	27	1	0	30	6052.81	1259	48
	Dec 2021	25	0	21	1	0	31	6051.91	1248	46
	Jan 2022	22	0	18	1	0	31	6050.82	1235	44
	Feb 2022	30	0	27	1	0	28	6050.68	1234	40
	Mar 2022	92	9	77	2	6	31	6053.94	1273	53

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

Model Run ID: 3117

Processed On: 4/10/2020 3:45:27PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Lake Powell



— BUREAU OF —
RECLAMATION

	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)
*	Apr 2019	1242	899	18	720	0	720	3571.12	4790	9198	734
H	May 2019	2511	1980	23	720	0	720	3584.65	4881	10343	752
I	Jun 2019	4206	3583	41	765	0	765	3611.82	5087	12914	807
S	Jul 2019	2451	2015	57	857	0	857	3621.60	5168	13933	896
T	Aug 2019	472	608	58	900	0	900	3618.55	5143	13610	932
O	Sep 2019	143	379	52	687	0	687	3615.36	5116	13277	703
	WY 2019	12951	11787	356	8924	77	9001				9242
R	Oct 2019	265	397	35	625	0	625	3612.99	5096	13034	633
I	Nov 2019	404	466	34	626	0	626	3611.23	5082	12855	630
C	Dec 2019	353	506	27	750	0	750	3608.74	5062	12604	756
A	Jan 2020	277	419	8	760	0	760	3605.48	5036	12281	768
L	Feb 2020	288	393	9	675	0	675	3602.72	5015	12011	687
*	Mar 2020	475	505	15	700	0	700	3600.71	4999	11818	713
	Apr 2020	730	680	23	630	0	630	3600.97	5001	11843	646
	May 2020	1650	1428	28	630	0	630	3608.26	5058	12556	646
	Jun 2020	2400	2027	46	650	0	650	3620.23	5157	13788	667
	Jul 2020	820	787	58	750	0	750	3620.05	5155	13768	774
	Aug 2020	400	499	57	835	0	835	3616.58	5126	13404	855
	Sep 2020	355	459	52	599	0	599	3614.87	5112	13227	612
	WY 2020	8417	8566	390	8230	0	8230				8387
	Oct 2020	468	510	35	640	0	640	3613.38	5100	13074	649
	Nov 2020	452	482	34	640	0	640	3611.64	5085	12896	642
	Dec 2020	363	488	27	720	0	720	3609.27	5066	12657	725
	Jan 2021	361	486	8	860	0	860	3605.71	5038	12303	871
	Feb 2021	393	494	9	750	0	750	3603.20	5018	12058	760
	Mar 2021	665	583	15	800	0	800	3600.97	5001	11843	814
	Apr 2021	1056	856	23	710	0	710	3602.15	5010	11957	726
	May 2021	2343	1961	29	710	0	710	3613.52	5101	13088	726
	Jun 2021	2666	2537	48	750	0	750	3628.61	5230	14698	767
	Jul 2021	1091	973	61	850	0	850	3629.12	5234	14755	874
	Aug 2021	500	578	61	900	0	900	3625.92	5206	14401	920
	Sep 2021	408	508	55	670	0	670	3624.07	5190	14200	684
	WY 2021	10766	10455	405	9000	0	9000				9158
	Oct 2021	512	562	38	640	0	640	3623.08	5181	14093	649
	Nov 2021	473	547	36	640	0	640	3621.97	5172	13973	642
	Dec 2021	363	565	29	720	0	720	3620.38	5158	13804	725
	Jan 2022	361	516	9	860	0	860	3617.28	5132	13477	871
	Feb 2022	393	501	9	750	0	750	3614.97	5113	13237	760
	Mar 2022	665	634	16	800	0	800	3613.33	5099	13069	814

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

Model Run ID: 3117

Processed On: 4/10/2020 3:45:27PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



— BUREAU OF —
RECLAMATION

	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)
*	Apr 2019	720	118	39	902	15.2	15	900	700	1088.95	10767
H	May 2019	720	108	45	989	16.1	18	988	686	1086.48	10555
I	Jun 2019	765	69	54	912	15.3	27	911	676	1084.71	10405
S	Jul 2019	857	20	67	946	15.4	33	946	666	1082.82	10246
T	Aug 2019	900	64	71	802	13.0	34	801	669	1083.45	10299
O	Sep 2019	687	58	59	696	11.7	30	690	667	1083.00	10261
	WY 2019	9001	1087	547	8892		234	8868			
R	Oct 2019	625	34	43	626	10.2	25	621	665	1082.61	10228
I	Nov 2019	626	116	40	575	9.7	13	553	672	1083.85	10333
C	Dec 2019	750	118	37	220	3.6	7	214	708	1090.49	10899
A	Jan 2020	760	75	31	405	6.6	9	404	732	1094.68	11265
L	Feb 2020	675	67	29	557	9.7	8	550	741	1096.27	11405
*	Mar 2020	700	150	33	593	9.6	6	568	755	1098.59	11610
	Apr 2020	630	69	41	889	14.9	22	889	739	1095.91	11373
	May 2020	630	49	46	1020	16.6	30	1020	714	1091.43	10981
	Jun 2020	650	28	55	968	16.3	30	968	691	1087.36	10630
	Jul 2020	750	73	68	865	14.1	30	865	682	1085.81	10498
	Aug 2020	835	91	72	814	13.2	31	814	683	1085.91	10506
	Sep 2020	599	75	59	744	12.5	26	744	673	1084.17	10359
	WY 2020	8230	944	554	8276		236	8211			
	Oct 2020	640	75	43	584	9.5	25	584	677	1084.87	10418
	Nov 2020	640	68	43	780	13.1	17	780	669	1083.40	10294
	Dec 2020	720	64	37	619	10.1	12	619	676	1084.69	10404
	Jan 2021	860	95	31	533	8.7	9	533	700	1088.91	10763
	Feb 2021	750	101	28	532	9.6	9	532	717	1091.97	11028
	Mar 2021	800	91	32	982	16.0	14	982	708	1090.49	10899
	Apr 2021	710	69	39	1045	17.6	21	1045	689	1086.92	10593
	May 2021	710	49	45	1008	16.4	29	1008	669	1083.34	10289
	Jun 2021	750	28	53	962	16.2	29	962	653	1080.35	10040
	Jul 2021	850	73	66	842	13.7	29	842	652	1080.18	10026
	Aug 2021	900	91	71	800	13.0	30	800	657	1081.19	10110
	Sep 2021	670	75	58	728	12.2	25	728	653	1080.44	10047
	WY 2021	9000	878	547	9416		248	9416			
	Oct 2021	640	75	42	536	8.7	24	536	660	1081.70	10153
	Nov 2021	640	68	43	654	11.0	16	654	660	1081.65	10148
	Dec 2021	720	64	37	491	8.0	11	491	675	1084.39	10378
	Jan 2022	860	95	31	519	8.4	9	519	699	1088.76	10750
	Feb 2022	750	101	28	518	9.3	9	518	717	1091.96	11027
	Mar 2022	800	91	32	968	15.7	14	968	709	1090.63	10911

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

Model Run ID: 3117

Processed On: 4/10/2020 3:45:27PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave



— BUREAU OF —
RECLAMATION

	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)
*	Apr 2019	902	0	17	886	0	886	14.9	642.52	1686
H	May 2019	989	-9	22	937	0	937	15.2	643.32	1707
I	Jun 2019	912	-12	25	886	0	886	14.9	642.89	1696
S	Jul 2019	946	-11	25	895	0	894	14.5	643.48	1712
T	Aug 2019	802	-11	23	800	0	800	13.0	642.31	1680
O	Sep 2019	696	-17	18	767	0	767	12.9	638.35	1573
	WY 2019	8892	-142	198	8538	0	8539			
R	Oct 2019	626	-24	15	589	0	589	9.6	638.28	1572
I	Nov 2019	575	-4	11	457	0	457	7.7	642.13	1675
C	Dec 2019	220	0	9	247	0	247	4.0	640.77	1638
A	Jan 2020	405	0	10	380	0	380	6.2	641.32	1653
L	Feb 2020	557	-2	10	523	0	523	9.1	642.10	1674
*	Mar 2020	593	3	13	549	0	549	8.9	643.32	1708
	Apr 2020	889	-12	17	868	0	868	14.6	643.00	1699
	May 2020	1020	-10	22	988	0	988	16.1	643.00	1699
	Jun 2020	968	-15	25	927	0	927	15.6	643.00	1699
	Jul 2020	865	-12	25	855	0	855	13.9	642.00	1671
	Aug 2020	814	-12	23	779	0	779	12.7	642.00	1671
	Sep 2020	744	-15	18	765	0	765	12.9	640.01	1618
	WY 2020	8276	-103	198	7930	0	7930			
	Oct 2020	584	-10	15	742	0	742	12.1	633.00	1434
	Nov 2020	780	-19	10	700	0	700	11.8	635.00	1486
	Dec 2020	619	-12	9	479	0	479	7.8	639.51	1604
	Jan 2021	533	-21	10	440	0	440	7.2	641.80	1666
	Feb 2021	532	-10	10	512	0	512	9.2	641.80	1666
	Mar 2021	982	-12	13	923	0	923	15.0	643.05	1700
	Apr 2021	1045	-12	17	1017	0	1017	17.1	643.00	1699
	May 2021	1008	-10	22	976	0	976	15.9	643.00	1699
	Jun 2021	962	-15	25	922	0	922	15.5	643.00	1699
	Jul 2021	842	-12	25	832	0	832	13.5	642.00	1671
	Aug 2021	800	-12	23	766	0	766	12.4	642.00	1671
	Sep 2021	728	-15	18	749	0	749	12.6	640.01	1618
	WY 2021	9416	-159	197	9059	0	9059			
	Oct 2021	536	-10	15	694	0	694	11.3	633.00	1434
	Nov 2021	654	-19	10	574	0	574	9.6	635.00	1486
	Dec 2021	491	-12	9	352	0	352	5.7	639.51	1604
	Jan 2022	519	-21	10	427	0	427	6.9	641.80	1666
	Feb 2022	518	-10	10	498	0	498	9.0	641.80	1666
	Mar 2022	968	-12	13	909	0	909	14.8	643.05	1700

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

Model Run ID: 3117

Processed On: 4/10/2020 3:45:27PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu



— BUREAU OF —
RECLAMATION

	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Apr 2019	886	6	11	712	12.0	28	144	447.29	567	170	2.9
H	May 2019	937	8	13	693	11.3	51	154	448.62	592	128	2.1
I	Jun 2019	886	11	15	717	12.0	53	104	448.47	589	138	2.3
S	Jul 2019	894	15	17	739	12.0	59	92	448.12	582	146	2.4
T	Aug 2019	800	15	17	636	10.3	67	102	447.22	565	111	1.8
O	Sep 2019	767	26	15	514	8.6	61	160	449.03	600	103	1.7
	WY 2019	8539	173	140	6231		690	1571			1515	
R	Oct 2019	589	18	12	430	7.0	30	151	447.77	576	68	1.1
I	Nov 2019	457	22	9	300	5.0	16	125	449.10	601	118	2.0
C	Dec 2019	247	18	7	159	2.6	46	72	448.16	583	109	1.8
A	Jan 2020	380	1	6	311	5.1	17	75	446.50	552	106	1.7
L	Feb 2020	523	-3	8	400	6.9	3	75	448.15	583	138	2.4
*	Mar 2020	549	16	9	455	7.4	43	94	446.04	543	198	3.2
	Apr 2020	868	8	11	607	10.2	53	159	448.00	580	152	2.5
	May 2020	988	15	13	696	11.3	99	174	448.50	589	124	2.0
	Jun 2020	927	11	16	713	12.0	96	97	448.70	593	139	2.3
	Jul 2020	855	18	17	706	11.5	99	52	448.00	580	151	2.5
	Aug 2020	779	17	17	626	10.2	99	52	447.50	571	114	1.9
	Sep 2020	765	17	15	530	8.9	96	131	447.50	570	110	1.9
	WY 2020	7930	158	140	5933		697	1257			1525	
	Oct 2020	742	24	12	459	7.5	99	190	447.50	571	69	1.1
	Nov 2020	700	16	9	414	7.0	97	192	447.50	571	88	1.5
	Dec 2020	479	22	7	284	4.6	100	126	446.50	552	93	1.5
	Jan 2021	440	20	6	255	4.1	104	91	446.50	552	102	1.7
	Feb 2021	512	10	8	392	7.1	31	84	446.50	552	127	2.3
	Mar 2021	923	5	9	637	10.4	100	170	446.70	555	167	2.7
	Apr 2021	1017	8	11	706	11.9	97	163	448.70	593	152	2.6
	May 2021	976	15	13	705	11.5	88	172	448.70	593	127	2.1
	Jun 2021	922	11	16	718	12.1	86	100	448.70	593	141	2.4
	Jul 2021	832	18	17	693	11.3	89	52	448.00	580	152	2.5
	Aug 2021	766	17	17	623	10.1	89	52	447.50	571	117	1.9
	Sep 2021	749	17	15	530	8.9	70	140	447.50	570	113	1.9
	WY 2021	9059	183	139	6417		1049	1531			1450	
	Oct 2021	694	24	12	470	7.6	57	173	447.50	571	73	1.2
	Nov 2021	574	16	9	355	6.0	55	166	447.50	571	91	1.5
	Dec 2021	352	22	7	236	3.8	56	88	446.50	552	96	1.6
	Jan 2022	427	20	6	255	4.1	90	91	446.50	552	102	1.7
	Feb 2022	498	10	8	393	7.1	17	84	446.50	552	127	2.3
	Mar 2022	909	5	9	637	10.4	85	170	446.70	555	167	2.7

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

Model Run ID: 3117

Processed On: 4/10/2020 3:45:27PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



— BUREAU OF —
RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Apr 2019	902	15.2	1088.95	10767	-111	439.99	810.1	365.4	51	405.2
H	May 2019	989	16.1	1086.48	10555	-211	440.79	803.9	398.2	51	402.5
I	Jun 2019	912	15.3	1084.71	10405	-150	439.38	1591.0	359.0	100	393.7
S	Jul 2019	946	15.4	1082.82	10246	-159	435.56	1486.0	371.7	93	392.7
T	Aug 2019	802	13.0	1083.45	10299	53	439.02	1297.0	313.5	81	390.9
O	Sep 2019	696	11.7	1083.00	10261	-38	439.88	1494.1	267.4	93	384.4
	WY 2019	8877							3494.1		
R	Oct 2019	626	10.2	1082.61	10228	-33	439.17	1198.0	241.9	74	386.2
I	Nov 2019	575	9.7	1083.85	10333	104	438.74	1192.0	221.9	75	386.0
C	Dec 2019	220	3.6	1090.49	10899	567	448.42	838.0	81.6	52	371.4
A	Jan 2020	405	6.6	1094.68	11265	366	451.06	1152.1	160.0	70	395.1
L	Feb 2020	557	9.7	1096.27	11405	140	452.31	962.0	224.2	57	402.6
*	Mar 2020	593	9.6	1098.59	11610	205	450.96	1136.0	237.0	69	399.6
	Apr 2020	889	14.9	1095.91	11373	-237	446.84	1138.0	363.8	69	409.4
	May 2020	1020	16.6	1091.43	10981	-392	443.38	1118.0	414.7	69	406.5
	Jun 2020	968	16.3	1087.36	10630	-351	436.49	1493.9	378.6	94	391.3
	Jul 2020	865	14.1	1085.81	10498	-132	434.03	1480.0	344.0	94	397.5
	Aug 2020	814	13.2	1085.91	10506	8	432.98	1576.0	320.1	100	393.4
	Sep 2020	744	12.5	1084.17	10359	-147	432.81	1576.0	291.0	100	390.9
	WY 2020	8276							3279.0		
	Oct 2020	584	9.5	1084.87	10418	59	437.33	1174.0	228.5	74	391.3
	Nov 2020	780	13.1	1083.40	10294	-124	437.90	1369.1	311.4	87	399.0
	Dec 2020	619	10.1	1084.69	10404	109	435.69	1389.0	242.1	87	391.0
	Jan 2021	533	8.7	1088.91	10763	359	436.89	1314.1	205.3	80	385.3
	Feb 2021	532	9.6	1091.97	11028	265	441.18	1111.0	210.8	67	396.1
	Mar 2021	982	16.0	1090.49	10899	-128	440.93	1197.9	399.1	73	406.4
	Apr 2021	1045	17.6	1086.92	10593	-306	438.01	1180.0	421.6	73	403.4
	May 2021	1008	16.4	1083.34	10289	-303	432.92	1395.0	393.5	88	390.2
	Jun 2021	962	16.2	1080.35	10040	-250	428.35	1576.0	368.1	100	382.6
	Jul 2021	842	13.7	1080.18	10026	-14	427.11	1576.0	328.1	100	389.6
	Aug 2021	800	13.0	1081.19	10110	84	427.85	1576.0	310.8	100	388.3
	Sep 2021	728	12.2	1080.44	10047	-63	428.63	1566.2	281.3	100	386.4
	WY 2021	9416							3700.5		
	Oct 2021	536	8.7	1081.70	10153	105	433.90	1172.0	205.9	74	384.2
	Nov 2021	654	11.0	1081.65	10148	-4	435.46	1366.5	254.3	87	388.7
	Dec 2021	491	8.0	1084.39	10378	230	434.68	1379.1	192.7	87	392.0
	Jan 2022	519	8.4	1088.76	10750	372	436.66	1298.2	205.8	80	396.2
	Feb 2022	518	9.3	1091.96	11027	277	441.11	1097.8	204.6	67	394.7
	Mar 2022	968	15.7	1090.63	10911	-116	441.00	1186.9	392.9	73	405.8

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

Model Run ID: 3117

Processed On: 4/10/2020 3:45:27PM

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave



— BUREAU OF —
RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Apr 2019	886	14.9	642.52	1686	-1	142.03	210.8	111.9	83	126.3
H	May 2019	937	15.2	643.32	1707	22	139.79	238.6	119.5	94	127.6
I	Jun 2019	886	14.9	642.89	1696	-12	140.50	255.0	113.6	100	128.3
S	Jul 2019	895	14.5	643.48	1712	16	142.50	255.0	113.2	100	126.5
T	Aug 2019	800	13.0	642.31	1680	-32	139.60	255.0	101.8	100	127.3
O	Sep 2019	767	12.9	638.35	1573	-107	137.20	255.0	96.0	100	125.1
WY 2019		8538							1079.9		
R	Oct 2019	589	9.6	638.28	1572	-2	138.85	243.5	73.2	95	124.4
I	Nov 2019	457	7.7	642.13	1675	103	143.18	153.0	55.6	60	121.7
C	Dec 2019	247	4.0	640.77	1638	-37	141.96	156.3	30.5	61	123.7
A	Jan 2020	380	6.2	641.32	1653	15	141.95	156.3	49.9	61	131.3
L	Feb 2020	523	9.1	642.10	1674	21	139.59	156.5	68.9	61	131.6
*	Mar 2020	549	8.9	643.32	1708	33	142.51	164.5	67.4	65	122.6
	Apr 2020	868	14.6	643.00	1699	-9	139.55	253.3	109.2	99	125.7
	May 2020	988	16.1	643.00	1699	0	138.88	255.0	123.6	100	125.1
	Jun 2020	927	15.6	643.00	1699	0	139.05	255.0	116.2	100	125.3
	Jul 2020	855	13.9	642.00	1671	-27	139.13	255.0	107.2	100	125.3
	Aug 2020	779	12.7	642.00	1671	0	139.09	255.0	97.6	100	125.3
	Sep 2020	765	12.9	640.01	1618	-54	138.03	255.0	95.2	100	124.4
WY 2020		7930							994.6		
	Oct 2020	742	12.1	633.00	1434	-183	133.83	227.0	89.5	89	120.6
	Nov 2020	700	11.8	635.00	1486	51	131.44	159.8	82.9	63	118.4
	Dec 2020	479	7.8	639.51	1604	118	136.34	154.7	58.9	61	122.8
	Jan 2021	440	7.2	641.80	1666	62	140.03	156.3	55.6	61	126.2
	Feb 2021	512	9.2	641.80	1666	0	140.27	156.6	64.7	61	126.4
	Mar 2021	923	15.0	643.05	1700	34	138.67	194.1	115.3	76	124.9
	Apr 2021	1017	17.1	643.00	1699	-1	138.57	249.9	127.0	98	124.8
	May 2021	976	15.9	643.00	1699	0	138.95	255.0	122.2	100	125.2
	Jun 2021	922	15.5	643.00	1699	0	139.08	255.0	115.5	100	125.3
	Jul 2021	832	13.5	642.00	1671	-27	139.28	255.0	104.4	100	125.5
	Aug 2021	766	12.4	642.00	1671	0	139.18	255.0	96.0	100	125.4
	Sep 2021	749	12.6	640.01	1618	-54	138.13	255.0	93.2	100	124.4
WY 2021		9059							1125.2		
	Oct 2021	694	11.3	633.00	1434	-183	134.13	227.0	83.9	89	120.8
	Nov 2021	574	9.6	635.00	1486	51	132.29	159.8	68.4	63	119.2
	Dec 2021	352	5.7	639.51	1604	118	137.30	154.7	43.5	61	123.7
	Jan 2022	427	6.9	641.80	1666	62	140.13	156.3	53.9	61	126.2
	Feb 2022	498	9.0	641.80	1666	0	140.38	156.6	63.0	61	126.5
	Mar 2022	909	14.8	643.05	1700	34	138.75	194.1	113.7	76	125.0

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

Model Run ID: 3117

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu



— BUREAU OF —
RECLAMATION

	Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
*	Apr 2019	712	12.0	447.29	567	-11	79.40	115.0	49.5	96	69.5
H	May 2019	673	11.3	448.62	592	25	80.51	119.0	48.6	99	72.2
I	Jun 2019	717	12.0	448.47	589	-3	80.43	120.0	50.3	100	70.2
S	Jul 2019	739	12.0	448.12	582	-7	80.11	120.0	51.4	100	69.5
T	Aug 2019	636	10.3	447.22	565	-17	77.13	120.0	44.3	100	69.7
O	Sep 2019	514	8.6	449.03	600	34	83.07	120.0	35.9	100	69.8
	WY 2019	6211							433.7		
R	Oct 2019	430	7.0	447.77	576	-24	83.21	90.0	30.2	75	70.1
I	Nov 2019	300	5.0	449.10	601	25	84.29	92.0	20.2	77	67.2
C	Dec 2019	159	2.6	448.16	583	-18	81.68	100.6	9.4	84	59.3
A	Jan 2020	311	5.1	446.50	552	-31	80.47	97.7	22.0	81	70.7
L	Feb 2020	400	6.9	448.15	583	31	82.44	97.2	28.0	81	70.0
*	Mar 2020	455	7.4	446.04	543	-39	78.08	120.0	30.0	100	65.9
	Apr 2020	607	10.2	448.00	580	37	74.42	120.0	39.5	100	65.0
	May 2020	696	11.3	448.50	589	9	75.61	120.0	46.0	100	66.1
	Jun 2020	713	12.0	448.70	593	4	75.95	120.0	47.4	100	66.5
	Jul 2020	706	11.5	448.00	580	-13	75.71	120.0	46.8	100	66.2
	Aug 2020	626	10.2	447.50	571	-9	75.13	120.0	41.1	100	65.6
	Sep 2020	530	8.9	447.50	570	0	74.89	120.0	34.5	100	65.1
	WY 2020	5933							394.9		
	Oct 2020	459	7.5	447.50	571	0	76.29	90.0	30.2	75	65.9
	Nov 2020	414	7.0	447.50	571	0	76.19	92.0	27.1	77	65.6
	Dec 2020	284	4.6	446.50	552	-19	74.86	109.4	17.8	91	62.9
	Jan 2021	255	4.1	446.50	552	0	75.07	94.8	16.0	79	62.6
	Feb 2021	392	7.1	446.50	552	0	75.21	92.1	25.5	77	64.9
	Mar 2021	637	10.4	446.70	555	4	74.01	120.0	41.2	100	64.7
	Apr 2021	706	11.9	448.70	593	38	75.08	120.0	46.5	100	65.8
	May 2021	705	11.5	448.70	593	0	76.05	120.0	46.9	100	66.5
	Jun 2021	718	12.1	448.70	593	0	76.05	120.0	47.8	100	66.6
	Jul 2021	693	11.3	448.00	580	-13	75.71	120.0	45.9	100	66.2
	Aug 2021	623	10.1	447.50	571	-9	75.13	120.0	40.9	100	65.5
	Sep 2021	530	8.9	447.50	570	0	74.89	120.0	34.5	100	65.1
	WY 2021	6417							420.3		
	Oct 2021	470	7.6	447.50	571	0	76.14	92.9	30.9	77	65.8
	Nov 2021	355	6.0	447.50	571	0	76.19	92.0	23.1	77	65.0
	Dec 2021	236	3.8	446.50	552	-19	74.82	110.3	14.6	92	61.9
	Jan 2022	255	4.1	446.50	552	0	75.12	93.9	16.0	78	62.6
	Feb 2022	393	7.1	446.50	552	0	75.15	93.2	25.5	78	64.9
	Mar 2022	637	10.4	446.70	555	4	74.01	120.0	41.2	100	64.7

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

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Upper Basin Power



— BUREAU OF —
RECLAMATION

		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
*	Apr 2019	294	27	9	14	10	4
H	May 2019	299	38	23	45	21	6
I	Jun 2019	332	82	33	64	22	8
S	Jul 2019	391	39	28	54	23	7
T	Aug 2019	412	42	24	49	22	7
O	Sep 2019	312	44	15	22	18	2
	Summer 2019	2041	273	131	248	115	34
R	Oct 2019	281	31	26	27	18	5
I	Nov 2019	280	31	22	25	14	5
C	Dec 2019	336	51	26	30	17	5
A	Jan 2020	338	51	18	22	11	5
L	Feb 2020	296	47	12	14	4	4
*	Mar 2020	307	46	11	13	7	4
	Winter 2020	1838	258	115	131	71	28
	Apr 2020	263	42	18	23	13	5
	May 2020	265	22	53	72	23	6
	Jun 2020	279	81	13	21	15	9
	Jul 2020	326	26	25	31	16	10
	Aug 2020	362	32	20	28	15	7
	Sep 2020	258	35	22	27	14	2
	Summer 2020	1755	239	151	203	96	38
	Oct 2020	275	27	19	23	12	6
	Nov 2020	274	36	4	6	4	6
	Dec 2020	307	54	12	16	8	6
	Jan 2021	365	54	12	16	8	5
	Feb 2021	316	49	13	16	9	4
	Mar 2021	335	21	0	17	9	5
	Winter 2021	1872	240	61	95	50	31
	Apr 2021	297	21	0	23	13	5
	May 2021	301	30	2	20	15	7
	Jun 2021	327	78	56	71	22	9
	Jul 2021	376	26	31	38	20	10
	Aug 2021	397	32	34	40	20	9
	Sep 2021	294	31	30	35	9	2
	Summer 2021	1994	216	154	226	100	41
	Oct 2021	280	26	26	30	16	6
	Nov 2021	279	38	17	21	11	6
	Dec 2021	313	57	31	38	19	6
	Jan 2022	372	56	17	21	11	5
	Feb 2022	324	51	11	14	8	4
	Mar 2022	344	40	13	17	9	5
	Winter 2022	1568	227	102	125	64	27

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2020 24-Month Study

Most Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions



— BUREAU OF —
RECLAMATION

Date	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
Apr 2020	737	295	404	12504	13940	15767	29707	410	153	264	826	12504	15767	29097	1500	889	0	30.9
May 2020	719	303	386	12479	13887	16004	29891	386	160	222	768	12479	16004	29251	1500	1020	0	31.4
Jun 2020	583	337	314	11766	13000	16396	29396	237	184	110	531	11766	16396	28693	1500	968	0	32.7
Jul 2020	459	165	275	10534	11434	16747	28181	99	-2	15	112	10534	16747	27393	1500	865	0	32.5
								**** CREDITABLE SPACE ****										
Aug 2020	379	162	322	10554	11417	16879	28296	379	162	322	863	10554	16879	28296	1500	814	0	32.0
Sep 2020	409	183	355	10918	11865	16871	28736	409	183	355	947	10918	16871	28736	2270	744	0	31.5
Oct 2020	466	211	363	11095	12134	17018	29152	466	211	363	1040	11095	17018	29152	3040	584	0	31.2
Nov 2020	491	237	359	11248	12336	16959	29295	491	237	359	1088	11248	16959	29295	3810	780	0	30.9
Dec 2020	542	222	363	11426	12553	17083	29636	542	222	363	1127	11426	17083	29636	4580	619	0	30.8
Jan 2021	655	238	365	11665	12922	16973	29896	655	238	365	1257	11665	16973	29896	5350	533	0	30.7
								**** EFFECTIVE SPACE ****										
Jan 2021	655	238	365	11665	12922	16973	29896	407	238	145	790	11665	16973	29429	5350	533	0	30.7
Feb 2021	761	255	369	12019	13404	16614	30018	514	255	148	918	12019	16614	29551	1500	532	0	30.6
Mar 2021	850	276	363	12264	13754	16349	30103	603	276	142	1021	12264	16349	29634	1500	982	0	30.4
Apr 2021	812	284	324	12479	13899	16478	30377	559	284	95	939	12479	16478	29896	1500	1045	0	30.4
May 2021	743	259	250	12365	13617	16784	30402	482	259	-3	739	12365	16784	29888	1500	1008	0	31.6
Jun 2021	591	83	247	11234	12154	17088	29241	318	83	-47	354	11234	17088	28675	1500	962	0	33.0
Jul 2021	428	25	381	9624	10458	17337	27795	140	18	31	188	9624	17337	27149	1500	842	0	33.1
								**** CREDITABLE SPACE ****										
Aug 2021	308	5	412	9567	10293	17351	27644	308	5	412	726	9567	17351	27644	1500	800	0	32.8
Sep 2021	322	43	433	9921	10719	17267	27986	322	43	433	798	9921	17267	27986	2270	728	0	32.4
Oct 2021	363	91	438	10122	11014	17330	28344	363	91	438	892	10122	17330	28344	3040	536	0	32.1
Nov 2021	381	131	433	10229	11175	17224	28400	381	131	433	946	10229	17224	28400	3810	654	0	32.0
Dec 2021	436	158	437	10349	11380	17229	28608	436	158	437	1031	10349	17229	28608	4580	491	0	31.9
Jan 2022	554	236	448	10518	11756	16999	28755	554	236	448	1238	10518	16999	28755	5350	519	0	31.9
								**** EFFECTIVE SPACE ****										
Jan 2022	554	236	448	10518	11756	16999	28755	279	236	236	750	10518	16999	28267	5350	519	0	31.9
Feb 2022	667	268	461	10845	12241	16627	28868	392	268	248	908	10845	16627	28380	1500	518	0	31.8
Mar 2022	762	283	462	11085	12591	16350	28941	486	283	249	1018	11085	16350	28452	1500	968	0	31.6

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

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