



To: All Annual Operating Plan Recipients

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The operation of Lake Powell and Lake Mead in this May 2021 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 2021 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2020 24-Month Study projections of the January 1, 2021, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2021.

The August 2020 24-Month Study projected the January 1, 2021, Lake Powell elevation to be below the 2021 Equalization Elevation of 3,659 feet and above elevation 3,575 feet. Consistent with Section 6.B of the Interim Guidelines, Lake Powell is operating under the Upper Elevation Balancing Tier for water year 2021. With an 8.23 million acre-foot (maf) release from Lake Powell in water year 2021, the April 2021 24-Month Study projects the end of water year elevation at Lake Powell to be below 3,575 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 the water year 2021.

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 2021. In addition, Section III.B of Exhibit 1 to the Lower Basin Drought Contingency Plan (DCP) Agreement is also governing the operation of Lake Mead in calendar year 2021.

The 2021 AOP is available for download at: <https://www.usbr.gov/lc/region/g4000/aop/AOP21.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>.
The Upper Basin Hydrology Summary can be found at: https://www.usbr.gov/uc/water/crsp/studies/24Month_05_UCB.pdf.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows. The observed unregulated inflow into Lake Powell for the month of April was 0.289 maf or 27 percent of the 30-year average from 1981 to 2010. The May unregulated inflow forecast for Lake Powell is 0.500 maf or 21 percent of the 30-year average. The 2021 April through July unregulated inflow forecast is 1.999 maf or 28 percent of average.

In this study, the calendar year 2021 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 1.072 maf. The calendar year 2021 diversion for the Central Arizona Project (CAP) is projected to be 1.364 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.247 maf for calendar year 2021.

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 Dam 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.

Runoff and inflow projections for the Upper Colorado River Basin reservoirs are provided by the National Weather Service's [Colorado Basin River Forecast Center](#) and are as follows:

Reservoir	Observed Inflow (kaf)				Apr	Inflow Forecast (kaf)			Seasonal Outlook	
	Jan	Feb	Mar	Apr	%Avg	May	Jun	Jul	Apr-Jul	%Avg
Lake Powell	198	201	297	289	27%	500	960	250	2000	28%
Fontenelle	25	24	40	54	63%	80	160	86	380	52%
Flaming Gorge	31	31	68	72	54%	102	185	91	450	46%
Blue Mesa	22	20	29	47	61%	114	130	49	340	50%
Morrow Point	23	21	30	49	56%	126	140	50	365	49%
Crystal	25	24	32	54	54%	140	155	51	400	48%
Taylor Park	3.6	3.5	3.8	6.8	78%	19.2	22	10	58	59%
Vallecito	2.9	2.7	4.1	13.6	58%	31	35	12.4	92	47%
Navajo	12.2	13.3	24	81	48%	145	75	24	325	44%
Lemon	0.44	0.4	0.6	2.5	44%	8.5	6.5	2	19.5	35%
McPhee	1.77	2.2	4.1	12	17%	40	23	6	81	27%
Ridgway	2.7	2.6	3.8	5.4	50%	12	20	11	48	48%
Deerlodge	21	18.2	36	55	25%	230	190	35	510	41%
Durango	6.6	5.8	6.7	17.9	34%	60	63	23	164	40%

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir



— BUREAU OF —
RECLAMATION

	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)
* May 2020	161	1	101	0	101	6486.37	203
H Jun 2020	288	2	107	73	180	6501.43	309
I Jul 2020	145	3	99	23	121	6504.12	330
S Aug 2020	41	2	74	0	74	6499.62	295
T Sep 2020	25	2	26	35	61	6494.55	258
WY 2020	996	15	856	137	993		
O Oct 2020	32	1	0	55	55	6490.95	225
R Nov 2020	33	1	17	35	52	6487.89	205
I Dec 2020	27	1	50	1	51	6483.85	180
C Jan 2021	25	1	48	2	51	6479.03	153
A Feb 2021	24	0	46	0	46	6474.49	132
L Mar 2021	40	0	51	0	51	6472.03	121
* Apr 2021	54	1	49	0	49	6473.03	125
May 2021	80	1	51	0	51	6478.79	160
Jun 2021	160	2	49	0	49	6495.97	269
Jul 2021	86	3	58	0	58	6499.47	294
Aug 2021	39	2	55	0	55	6497.00	276
Sep 2021	30	2	49	0	49	6494.08	255
WY 2021	630	14	523	94	616		
Oct 2021	35	1	31	20	51	6491.69	239
Nov 2021	39	1	60	0	60	6488.43	217
Dec 2021	33	1	63	0	63	6483.48	186
Jan 2022	31	1	63	0	63	6477.55	153
Feb 2022	29	0	57	0	57	6471.42	124
Mar 2022	53	0	63	0	63	6468.90	114
Apr 2022	82	1	67	0	67	6472.42	129
May 2022	169	1	86	0	86	6487.49	211
Jun 2022	278	2	104	88	192	6499.50	294
Jul 2022	164	3	102	32	134	6502.97	321
Aug 2022	71	2	67	0	67	6503.20	323
Sep 2022	44	2	60	0	60	6500.93	305
WY 2022	1027	15	822	140	962		
Oct 2022	45	1	72	0	72	6497.07	276
Nov 2022	43	1	70	0	70	6493.22	249
Dec 2022	33	1	72	0	72	6487.23	209
Jan 2023	31	1	72	0	72	6480.19	167
Feb 2023	29	0	65	0	65	6472.65	130
Mar 2023	53	0	70	0	70	6468.67	113
Apr 2023	82	1	70	0	70	6471.49	125

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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)
*	May 2020	217	158	8	98	31	129	130	6026.81	3228	672
H	Jun 2020	342	236	10	157	31	188	131	6027.76	3263	530
I	Jul 2020	163	134	13	90	0	90	133	6028.55	3293	131
S	Aug 2020	38	67	12	112	0	112	130	6027.10	3238	124
T	Sep 2020	28	64	11	98	0	98	129	6025.93	3195	112
	WY 2020	1255	1251	80	1333	62	1395				2825
O	Oct 2020	25	50	7	64	0	64	128	6025.38	3174	85
R	Nov 2020	37	55	4	54	0	54	128	6025.33	3172	82
I	Dec 2020	24	48	2	62	0	62	127	6024.91	3157	88
C	Jan 2021	31	57	2	62	0	62	127	6024.75	3151	88
A	Feb 2021	31	52	2	56	0	56	127	6024.59	3145	79
L	Mar 2021	68	79	3	52	0	52	127	6025.21	3168	96
*	Apr 2021	72	67	5	51	0	51	128	6025.49	3178	112
	May 2021	102	73	8	96	0	96	127	6024.68	3148	326
	Jun 2021	185	74	10	80	0	80	126	6024.25	3133	270
	Jul 2021	91	63	13	53	0	53	126	6024.17	3130	88
	Aug 2021	45	61	12	53	0	53	126	6024.07	3126	63
	Sep 2021	34	53	11	51	0	51	125	6023.84	3118	58
	WY 2021	744	733	78	735	0	735				1437
	Oct 2021	42	58	7	53	0	53	125	6023.78	3116	75
	Nov 2021	45	66	3	51	0	51	126	6024.08	3126	79
	Dec 2021	33	63	2	53	0	53	126	6024.31	3135	80
	Jan 2022	40	72	2	53	0	53	127	6024.76	3151	80
	Feb 2022	44	72	2	48	0	48	128	6025.34	3173	72
	Mar 2022	95	105	3	73	0	73	129	6026.09	3201	152
	Apr 2022	125	110	5	71	0	71	130	6026.96	3233	271
	May 2022	246	163	8	89	0	89	133	6028.64	3297	609
	Jun 2022	360	274	11	182	0	182	136	6030.65	3374	574
	Jul 2022	184	155	14	69	0	69	139	6032.43	3444	137
	Aug 2022	80	76	13	105	0	105	137	6031.41	3404	129
	Sep 2022	50	66	11	102	0	102	135	6030.23	3358	116
	WY 2022	1345	1280	80	950	0	950				2374
	Oct 2022	54	81	7	70	0	70	135	6030.33	3362	102
	Nov 2022	50	77	4	100	0	100	134	6029.66	3336	133
	Dec 2022	33	73	2	151	0	151	131	6027.65	3259	178
	Jan 2023	40	81	2	151	0	151	128	6025.82	3191	178
	Feb 2023	44	80	2	136	0	136	126	6024.32	3135	160
	Mar 2023	95	112	3	58	0	58	128	6025.64	3184	137
	Apr 2023	125	113	5	56	0	56	130	6026.98	3234	264

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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)
*	May 2020	24	10	9319.44	86
H	Jun 2020	22	16	9322.93	92
I	Jul 2020	8	17	9317.91	83
S	Aug 2020	4	14	9311.83	73
T	Sep 2020	5	9	9309.62	69
WY 2020		101	113		
O	Oct 2020	4	5	9308.95	68
R	Nov 2020	4	5	9308.44	67
I	Dec 2020	4	5	9307.73	66
C	Jan 2021	4	5	9306.89	65
A	Feb 2021	3	5	9305.99	64
L	Mar 2021	4	5	9304.90	62
*	Apr 2021	7	5	9305.94	64
	May 2021	19	10	9311.88	73
	Jun 2021	22	16	9315.25	79
	Jul 2021	10	17	9311.25	72
	Aug 2021	6	15	9305.20	63
	Sep 2021	5	12	9300.35	56
WY 2021		92	106		
	Oct 2021	5	6	9299.72	55
	Nov 2021	5	4	9299.80	55
	Dec 2021	5	5	9299.87	55
	Jan 2022	4	5	9299.65	55
	Feb 2022	4	4	9299.47	54
	Mar 2022	5	5	9299.39	54
	Apr 2022	9	10	9298.64	53
	May 2022	27	14	9307.66	66
	Jun 2022	42	20	9320.76	88
	Jul 2022	16	24	9316.40	81
	Aug 2022	9	19	9310.40	71
	Sep 2022	7	18	9303.70	60
WY 2022		137	133		
	Oct 2022	7	12	9300.28	56
	Nov 2022	5	5	9300.31	56
	Dec 2022	5	5	9299.95	55
	Jan 2023	4	5	9299.28	54
	Feb 2023	4	5	9298.61	53
	Mar 2023	5	5	9298.07	53
	Apr 2023	9	9	9298.07	53

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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)
*	May 2020	153	140	1	82	17	99	7485.88	550
H	Jun 2020	139	131	1	83	3	85	7491.64	594
I	Jul 2020	46	55	1	92	1	92	7486.61	555
S	Aug 2020	26	36	1	95	0	95	7478.53	495
T	Sep 2020	23	26	1	80	2	82	7470.42	439
	WY 2020	607	619	8	806	26	908		
O	Oct 2020	20	22	0	66	0	66	7463.47	389
R	Nov 2020	25	25	0	18	0	18	7464.59	396
I	Dec 2020	21	22	0	21	0	21	7464.73	397
C	Jan 2021	22	23	0	19	0	19	7465.24	400
A	Feb 2021	20	22	0	21	0	21	7465.37	401
L	Mar 2021	29	30	0	32	0	32	7465.07	399
*	Apr 2021	47	46	1	79	0	79	7459.68	365
	May 2021	114	105	1	83	0	83	7463.04	386
	Jun 2021	130	124	1	71	0	71	7471.01	438
	Jul 2021	49	56	1	101	0	101	7463.92	392
	Aug 2021	34	43	1	80	0	80	7457.81	354
	Sep 2021	29	36	1	74	0	74	7450.97	315
	WY 2021	540	554	7	666	0	666		
	Oct 2021	32	33	0	71	0	71	7443.88	277
	Nov 2021	29	29	0	15	0	15	7446.54	291
	Dec 2021	27	26	0	15	0	15	7448.63	302
	Jan 2022	25	25	0	15	0	15	7450.39	311
	Feb 2022	23	23	0	14	0	14	7452.07	321
	Mar 2022	37	37	0	17	0	17	7455.67	341
	Apr 2022	78	79	1	38	0	38	7462.44	382
	May 2022	199	186	1	166	0	166	7465.43	401
	Jun 2022	262	240	1	51	0	51	7491.41	589
	Jul 2022	98	106	1	74	0	74	7495.24	619
	Aug 2022	59	69	1	77	0	77	7494.13	610
	Sep 2022	38	48	1	72	0	72	7490.92	585
	WY 2022	906	902	7	624	0	624		
	Oct 2022	38	43	1	69	0	69	7487.48	558
	Nov 2022	31	31	0	14	0	14	7489.64	575
	Dec 2022	27	27	0	15	0	15	7491.13	587
	Jan 2023	25	26	0	15	0	15	7492.42	597
	Feb 2023	23	24	0	14	0	14	7493.66	607
	Mar 2023	37	38	0	17	0	17	7496.27	628
	Apr 2023	78	78	1	38	0	38	7501.10	667

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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)
*	May 2020	162	99	10	109	109	0	109	7146.72	107
H	Jun 2020	142	85	4	89	85	0	85	7152.13	111
I	Jul 2020	47	92	1	93	93	0	93	7152.06	111
S	Aug 2020	27	95	1	96	95	0	97	7151.26	110
T	Sep 2020	23	82	1	83	80	0	84	7149.87	109
	WY 2020	632	908	25	933	917	0	933		
O	Oct 2020	21	66	1	67	66	0	66	7151.06	110
R	Nov 2020	27	18	2	20	23	0	23	7147.26	107
I	Dec 2020	24	21	3	24	23	0	23	7148.38	108
C	Jan 2021	23	19	1	21	23	0	23	7145.78	106
A	Feb 2021	21	21	1	22	21	0	21	7146.38	106
L	Mar 2021	30	32	1	33	35	0	35	7143.99	104
*	Apr 2021	49	79	1	81	82	0	82	7141.50	103
	May 2021	126	83	12	95	86	0	86	7153.73	112
	Jun 2021	140	71	10	81	81	0	81	7153.72	112
	Jul 2021	50	101	1	102	102	0	102	7153.73	112
	Aug 2021	36	80	2	82	82	0	82	7153.73	112
	Sep 2021	31	74	2	76	76	0	76	7153.73	112
	WY 2021	578	666	38	705	701	0	701		
	Oct 2021	35	71	2	73	73	0	73	7153.73	112
	Nov 2021	31	15	2	17	17	0	17	7153.73	112
	Dec 2021	28	15	2	17	17	0	17	7153.73	112
	Jan 2022	27	15	2	18	18	0	18	7153.73	112
	Feb 2022	25	14	2	16	16	0	16	7153.73	112
	Mar 2022	41	17	4	20	20	0	20	7153.73	112
	Apr 2022	89	38	11	48	48	0	48	7153.73	112
	May 2022	220	166	21	187	187	0	187	7153.73	112
	Jun 2022	280	51	18	69	69	0	69	7153.72	112
	Jul 2022	102	74	4	78	77	0	77	7153.73	112
	Aug 2022	62	77	2	79	79	0	79	7153.73	112
	Sep 2022	40	72	2	74	74	0	74	7153.73	112
	WY 2022	978	624	71	696	695	0	695		
	Oct 2022	40	69	3	71	71	0	71	7153.73	112
	Nov 2022	33	14	2	16	16	0	16	7153.73	112
	Dec 2022	28	15	2	17	17	0	17	7153.73	112
	Jan 2023	27	15	2	18	18	0	18	7153.73	112
	Feb 2023	25	14	2	16	16	0	16	7153.73	112
	Mar 2023	41	17	4	20	20	0	20	7153.73	112
	Apr 2023	89	38	11	48	48	0	48	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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)
*	May 2020	174	109	12	121	99	14	121	6754.46	17	65	54
H	Jun 2020	148	85	6	91	92	0	93	6747.34	15	62	32
I	Jul 2020	48	93	2	95	94	0	94	6750.20	16	65	32
S	Aug 2020	27	97	1	97	97	0	97	6750.09	16	64	35
T	Sep 2020	25	84	1	85	59	27	85	6749.98	16	59	28
	WY 2020	683	933	51	984	905	72	984			447	535
O	Oct 2020	23	66	2	68	49	19	67	6751.39	16	42	25
R	Nov 2020	29	23	2	25	25	0	25	6751.22	16	0	24
I	Dec 2020	27	23	2	26	25	0	26	6751.57	17	1	24
C	Jan 2021	25	23	2	25	25	0	25	6748.38	16	0	24
A	Feb 2021	24	21	2	23	23	0	23	6748.83	16	0	22
L	Mar 2021	32	35	2	37	37	0	37	6748.74	16	11	25
*	Apr 2021	54	82	6	88	86	0	87	6752.67	17	51	37
	May 2021	140	86	14	100	99	0	99	6753.04	17	62	37
	Jun 2021	155	81	15	96	96	0	96	6753.03	17	61	35
	Jul 2021	51	102	1	103	103	0	103	6753.04	17	65	38
	Aug 2021	40	82	4	86	86	0	86	6753.04	17	65	21
	Sep 2021	35	76	4	80	80	0	80	6753.04	17	55	25
	WY 2021	634	701	56	757	735	20	755			414	338
	Oct 2021	39	73	5	78	78	0	78	6753.04	17	30	48
	Nov 2021	35	17	4	21	21	0	21	6753.04	17	0	21
	Dec 2021	33	17	5	22	22	0	22	6753.04	17	0	22
	Jan 2022	31	18	4	22	22	0	22	6753.04	17	0	22
	Feb 2022	29	16	4	19	19	0	19	6753.04	17	0	19
	Mar 2022	47	20	6	26	26	0	26	6753.04	17	5	21
	Apr 2022	100	48	12	60	60	0	60	6753.04	17	42	18
	May 2022	247	187	27	214	134	79	214	6753.04	17	62	152
	Jun 2022	311	69	32	101	100	0	100	6753.03	17	61	39
	Jul 2022	110	77	9	86	86	0	86	6753.04	17	65	21
	Aug 2022	68	79	7	86	86	0	86	6753.04	17	65	21
	Sep 2022	46	74	6	80	80	0	80	6753.04	17	55	25
	WY 2022	1097	695	119	814	734	79	813			385	428
	Oct 2022	47	71	6	77	77	0	77	6753.04	17	55	22
	Nov 2022	38	16	5	21	21	0	21	6753.04	17	0	21
	Dec 2022	33	17	5	22	22	0	22	6753.04	17	0	22
	Jan 2023	31	18	4	22	22	0	22	6753.04	17	0	22
	Feb 2023	29	16	4	19	19	0	19	6753.04	17	0	19
	Mar 2023	47	20	6	26	26	0	26	6753.04	17	5	21
	Apr 2023	100	48	12	60	60	0	60	6753.04	17	42	18

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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)
* May 2020	66	37	7664.35	124
H Jun 2020	38	48	7660.61	114
I Jul 2020	11	38	7649.57	86
S Aug 2020	5	36	7635.21	54
T Sep 2020	4	28	7620.77	30
WY 2020	167	213		
O Oct 2020	3	2	7620.99	30
R Nov 2020	3	0	7623.08	33
I Dec 2020	3	0	7624.62	36
C Jan 2021	3	0	7626.24	38
A Feb 2021	3	0	7627.63	41
L Mar 2021	4	0	7629.73	44
* Apr 2021	14	1	7636.28	57
May 2021	31	28	7637.70	60
Jun 2021	35	32	7639.09	63
Jul 2021	12	31	7629.27	44
Aug 2021	10	28	7616.72	25
Sep 2021	9	22	7603.22	12
WY 2021	129	146		
Oct 2021	9	12	7599.31	9
Nov 2021	8	2	7605.96	14
Dec 2021	7	2	7611.26	19
Jan 2022	6	2	7614.73	23
Feb 2022	5	2	7617.62	26
Mar 2022	9	2	7623.01	34
Apr 2022	23	2	7635.10	54
May 2022	69	31	7651.96	92
Jun 2022	68	43	7661.54	116
Jul 2022	24	42	7654.58	98
Aug 2022	17	38	7645.82	77
Sep 2022	18	30	7640.34	65
WY 2022	263	206		
Oct 2022	14	17	7638.74	62
Nov 2022	9	2	7641.79	68
Dec 2022	7	2	7644.05	73
Jan 2023	6	2	7645.72	77
Feb 2023	5	2	7647.20	81
Mar 2023	9	2	7650.26	88
Apr 2023	23	2	7658.58	109

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Most Probable Inflow*

Navajo Reservoir



— BUREAU OF —
RECLAMATION

	Mod Unreg	Azotea	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)
* May 2020	199	27	142	4	37	32	6061.48	1367	122
H Jun 2020	65	8	64	4	41	31	6060.49	1354	96
I Jul 2020	3	1	29	4	47	47	6054.99	1285	58
S Aug 2020	-15	0	16	3	44	52	6048.01	1202	46
T Sep 2020	-7	0	17	2	21	47	6043.32	1149	44
WY 2020	431	48	429	27	230	411			671
O Oct 2020	6	0	6	1	9	42	6039.09	1103	42
R Nov 2020	17	0	14	1	0	22	6038.29	1094	37
I Dec 2020	10	0	7	1	0	22	6036.88	1079	33
C Jan 2021	12	0	10	1	0	24	6035.47	1065	33
A Feb 2021	13	0	11	1	1	22	6034.25	1052	32
L Mar 2021	24	1	20	1	4	24	6033.31	1042	32
* Apr 2021	81	13	56	2	20	32	6033.54	1045	31
May 2021	145	17	125	3	35	22	6039.67	1109	82
Jun 2021	75	7	65	4	51	26	6038.19	1093	89
Jul 2021	24	1	41	4	56	46	6032.10	1030	69
Aug 2021	28	1	45	3	47	40	6027.68	985	58
Sep 2021	27	1	40	2	26	32	6025.67	966	49
WY 2021	463	41	440	22	249	352			586
Oct 2021	33	1	35	1	9	22	6025.93	968	39
Nov 2021	25	0	20	1	0	18	6026.05	969	33
Dec 2021	25	0	20	0	0	18	6026.16	971	34
Jan 2022	22	0	18	0	0	18	6026.03	969	33
Feb 2022	30	0	26	1	0	17	6026.91	978	29
Mar 2022	96	9	79	1	5	18	6032.32	1032	42
Apr 2022	152	18	113	2	21	18	6039.25	1105	67
May 2022	266	35	193	3	35	18	6051.33	1241	150
Jun 2022	212	27	160	4	51	18	6058.48	1329	148
Jul 2022	48	2	64	4	56	23	6056.96	1310	70
Aug 2022	30	2	49	3	47	24	6054.89	1284	58
Sep 2022	41	2	51	3	26	20	6055.17	1288	50
WY 2022	981	96	829	25	250	232			753
Oct 2022	43	1	45	2	9	19	6056.39	1303	43
Nov 2022	28	0	21	1	0	18	6056.61	1305	36
Dec 2022	25	0	20	1	0	18	6056.68	1306	34
Jan 2023	22	0	18	1	0	18	6056.56	1305	33
Feb 2023	30	0	26	1	0	17	6057.25	1313	29
Mar 2023	96	9	79	2	5	18	6061.51	1367	42
Apr 2023	152	18	113	3	21	18	6066.98	1439	68

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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)
*	May 2020	1541	1253	27	629	0	629	3605.05	5033	12239	651
H	Jun 2020	1453	1293	45	650	0	650	3610.62	5077	12793	663
I	Jul 2020	290	332	53	750	0	750	3606.25	5042	12357	774
S	Aug 2020	-20	200	51	833	0	833	3599.72	4992	11723	865
T	Sep 2020	47	267	46	602	0	602	3595.98	4963	11371	628
	WY 2020	5848	6543	372	8230	0	8230				8425
O	Oct 2020	92	246	31	640	0	640	3591.72	4932	10977	667
R	Nov 2020	261	279	29	640	0	640	3587.72	4903	10615	650
I	Dec 2020	168	217	23	719	0	719	3582.21	4864	10130	716
C	Jan 2021	198	239	7	763	0	763	3576.45	4825	9638	757
A	Feb 2021	201	235	7	675	0	675	3571.46	4792	9226	670
L	Mar 2021	297	299	11	700	0	700	3566.71	4761	8844	697
*	Apr 2021	289	279	17	628	0	628	3562.37	4734	8504	623
	May 2021	500	383	20	628	0	628	3559.16	4714	8259	647
	Jun 2021	960	805	31	651	0	651	3560.67	4724	8374	670
	Jul 2021	250	342	36	765	0	765	3555.00	4690	7949	788
	Aug 2021	210	324	35	800	0	800	3548.47	4652	7476	824
	Sep 2021	210	303	31	622	0	622	3543.84	4626	7153	638
	WY 2021	3636	3951	276	8230	0	8230				8348
	Oct 2021	330	378	21	480	0	480	3542.18	4617	7039	492
	Nov 2021	391	377	20	500	0	500	3540.22	4606	6906	503
	Dec 2021	364	366	16	600	0	600	3536.74	4588	6674	603
	Jan 2022	355	355	4	723	0	723	3531.44	4560	6330	732
	Feb 2022	399	381	4	639	0	639	3527.59	4541	6087	650
	Mar 2022	653	547	8	675	0	675	3525.57	4531	5962	691
	Apr 2022	945	754	12	601	0	601	3527.68	4541	6092	619
	May 2022	2213	1846	16	599	0	599	3545.00	4632	7232	618
	Jun 2022	2595	2090	29	628	0	628	3563.08	4738	8559	647
	Jul 2022	898	790	38	709	0	709	3563.59	4742	8599	732
	Aug 2022	445	530	38	758	0	758	3560.39	4722	8353	782
	Sep 2022	386	478	34	568	0	568	3558.88	4713	8238	585
	WY 2022	9974	8892	240	7480	0	7480				7655
	Oct 2022	474	507	24	480	0	480	3558.92	4713	8242	492
	Nov 2022	461	484	23	500	0	500	3558.44	4710	8205	503
	Dec 2022	364	464	18	600	0	600	3556.53	4699	8062	603
	Jan 2023	355	453	5	723	0	723	3553.07	4678	7807	732
	Feb 2023	399	470	6	639	0	639	3550.84	4665	7645	650
	Mar 2023	653	532	9	675	0	675	3548.86	4654	7504	691
	Apr 2023	945	739	15	601	0	601	3550.46	4663	7618	619

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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)
*	May 2020	629	33	46	1057	17.2	31	1059	713	1091.32	10971
H	Jun 2020	650	19	55	973	16.4	31	978	689	1087.07	10605
I	Jul 2020	750	35	68	902	14.7	36	906	676	1084.63	10398
S	Aug 2020	833	69	72	847	13.8	36	850	673	1084.04	10349
T	Sep 2020	602	56	59	646	10.9	28	651	668	1083.21	10279
	WY 2020	8230	863	553	8263		255	8267			
O	Oct 2020	640	35	43	730	11.9	21	734	661	1081.88	10167
R	Nov 2020	640	56	42	714	12.0	11	718	656	1081.07	10100
I	Dec 2020	719	59	37	497	8.1	8	500	671	1083.72	10322
C	Jan 2021	763	72	30	593	9.6	11	616	683	1085.95	10510
A	Feb 2021	675	55	28	574	10.3	8	581	690	1087.26	10622
L	Mar 2021	700	33	31	945	15.4	15	935	675	1084.39	10378
*	Apr 2021	628	37	38	1057	17.8	23	1056	647	1079.30	9953
	May 2021	628	50	43	1074	17.5	19	1074	619	1074.04	9523
	Jun 2021	651	29	51	961	16.2	28	961	597	1069.81	9185
	Jul 2021	765	64	63	854	13.9	33	854	590	1068.37	9071
	Aug 2021	800	81	67	814	13.2	35	814	588	1067.97	9039
	Sep 2021	622	71	55	712	12.0	30	712	581	1066.72	8941
	WY 2021	8230	643	530	9525		243	9555			
	Oct 2021	480	58	40	578	9.4	25	578	575	1065.46	8843
	Nov 2021	500	71	40	608	10.2	13	608	569	1064.39	8760
	Dec 2021	600	67	34	508	8.3	7	508	577	1065.82	8871
	Jan 2022	723	95	28	537	8.7	11	537	591	1068.72	9098
	Feb 2022	639	97	26	611	11.0	9	611	597	1069.78	9182
	Mar 2022	675	111	29	923	15.0	15	923	586	1067.63	9012
	Apr 2022	601	81	36	978	16.4	17	978	564	1063.42	8684
	May 2022	599	50	40	962	15.7	21	962	542	1058.81	8333
	Jun 2022	628	29	48	921	15.5	29	921	521	1054.53	8014
	Jul 2022	709	64	59	811	13.2	33	811	513	1052.88	7892
	Aug 2022	758	81	62	779	12.7	34	779	511	1052.42	7858
	Sep 2022	568	71	51	694	11.7	31	694	502	1050.66	7730
	WY 2022	7480	876	493	8909		244	8909			
	Oct 2022	480	58	37	539	8.8	26	539	499	1049.83	7671
	Nov 2022	500	71	37	657	11.0	15	657	490	1048.04	7542
	Dec 2022	600	67	32	565	9.2	10	565	494	1048.83	7599
	Jan 2023	723	95	26	535	8.7	11	535	509	1052.02	7829
	Feb 2023	639	97	24	573	10.3	9	573	517	1053.68	7951
	Mar 2023	675	111	27	916	14.9	16	916	506	1051.46	7789
	Apr 2023	601	81	33	962	16.2	17	962	486	1047.15	7478

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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)
*	May 2020	1057	-2	22	1025	0	1025	16.7	643.17	1703
H	Jun 2020	973	-10	25	932	0	933	15.7	643.34	1708
I	Jul 2020	902	-4	25	884	0	884	14.4	642.91	1696
S	Aug 2020	847	-10	23	822	0	822	13.4	642.61	1688
T	Sep 2020	646	1	18	791	0	791	13.3	636.50	1525
	WY 2020	8263	-50	198	8063	0	8063			
O	Oct 2020	730	-12	15	725	0	725	11.8	635.65	1503
R	Nov 2020	714	-34	11	560	0	560	9.4	639.83	1613
I	Dec 2020	497	-6	9	509	0	509	8.3	638.82	1586
C	Jan 2021	593	-3	10	475	0	474	7.7	642.71	1691
A	Feb 2021	574	-17	10	550	0	550	9.9	642.63	1688
L	Mar 2021	945	-10	13	920	0	920	15.0	642.69	1690
*	Apr 2021	1057	-21	17	1028	0	1028	17.3	642.37	1682
	May 2021	1074	-8	22	1026	0	1026	16.7	643.00	1699
	Jun 2021	961	-13	25	922	0	922	15.5	643.00	1699
	Jul 2021	854	-10	25	846	0	846	13.8	642.00	1671
	Aug 2021	814	-11	23	780	0	780	12.7	642.00	1671
	Sep 2021	712	-11	18	763	0	763	12.8	639.01	1591
	WY 2021	9525	-157	197	9104	0	9104			
	Oct 2021	578	-11	15	709	0	709	11.5	633.00	1434
	Nov 2021	608	-23	10	523	0	523	8.8	635.00	1486
	Dec 2021	508	-11	9	369	0	369	6.0	639.51	1604
	Jan 2022	537	-17	10	449	0	449	7.3	641.80	1666
	Feb 2022	611	-9	10	592	0	592	10.7	641.80	1666
	Mar 2022	923	-7	13	869	0	869	14.1	643.05	1700
	Apr 2022	978	-8	17	955	0	955	16.0	643.00	1699
	May 2022	962	-8	22	932	0	932	15.2	643.00	1699
	Jun 2022	921	-13	25	882	0	882	14.8	643.00	1699
	Jul 2022	811	-10	25	802	0	802	13.1	642.00	1671
	Aug 2022	779	-11	23	745	0	745	12.1	642.00	1671
	Sep 2022	694	-11	18	718	0	718	12.1	640.01	1617
	WY 2022	8909	-138	197	8546	0	8546			
	Oct 2022	539	-11	15	696	0	696	11.3	633.00	1434
	Nov 2022	657	-23	10	572	0	572	9.6	635.00	1486
	Dec 2022	565	-11	9	427	0	427	6.9	639.51	1604
	Jan 2023	535	-17	10	447	0	447	7.3	641.80	1666
	Feb 2023	573	-9	10	554	0	554	10.0	641.80	1666
	Mar 2023	916	-7	13	862	0	862	14.0	643.05	1700
	Apr 2023	962	-8	17	939	0	939	15.8	643.00	1699

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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)
*	May 2020	1025	-6	13	752	12.2	61	180	447.51	571	126	2.1
H	Jun 2020	933	-5	15	700	11.8	94	103	447.85	577	137	2.3
I	Jul 2020	884	3	17	700	11.4	95	69	447.58	572	151	2.4
S	Aug 2020	822	2	17	649	10.6	79	61	448.03	581	127	2.1
T	Sep 2020	791	4	15	542	9.1	92	164	446.61	554	111	1.9
	WY 2020	8063	98	139	6041		631	1319			1494	
O	Oct 2020	725	21	12	448	7.3	94	164	447.77	576	66	1.1
R	Nov 2020	560	20	9	357	6.0	92	123	447.50	571	92	1.5
I	Dec 2020	509	9	7	286	4.7	95	145	446.46	551	90	1.5
C	Jan 2021	474	13	6	256	4.2	70	124	447.88	578	122	2.0
A	Feb 2021	550	-2	8	430	7.7	0	111	447.56	572	124	2.2
L	Mar 2021	920	2	9	663	10.8	99	149	447.28	566	179	2.9
*	Apr 2021	1028	1	11	728	12.2	102	163	448.04	581	167	2.8
	May 2021	1026	9	13	726	11.8	107	166	448.70	593	136	2.2
	Jun 2021	922	6	16	711	11.9	104	89	448.50	590	140	2.4
	Jul 2021	846	15	17	679	11.0	102	61	448.00	580	124	2.0
	Aug 2021	780	15	17	616	10.0	102	58	447.50	571	111	1.8
	Sep 2021	763	14	15	526	8.8	98	128	447.50	570	107	1.8
	WY 2021	9104	123	139	6427		1064	1483			1458	
	Oct 2021	709	21	12	470	7.6	102	141	447.50	571	73	1.2
	Nov 2021	523	18	9	335	5.6	91	101	447.50	571	94	1.6
	Dec 2021	369	20	7	230	3.7	95	73	446.50	552	94	1.5
	Jan 2022	449	17	6	302	4.9	106	47	446.50	552	138	2.2
	Feb 2022	592	7	8	398	7.2	66	121	446.50	552	124	2.2
	Mar 2022	869	7	9	619	10.1	106	129	446.70	555	147	2.4
	Apr 2022	955	11	11	707	11.9	74	125	448.70	593	147	2.5
	May 2022	932	9	13	692	11.3	89	135	448.70	593	110	1.8
	Jun 2022	882	6	16	697	11.7	87	75	448.70	593	116	2.0
	Jul 2022	802	15	17	671	10.9	89	41	448.00	580	123	2.0
	Aug 2022	745	15	17	611	9.9	89	41	447.50	571	101	1.6
	Sep 2022	718	14	15	517	8.7	87	103	447.50	570	99	1.7
	WY 2022	8546	161	139	6251		1082	1130			1366	
	Oct 2022	696	21	12	485	7.9	89	125	447.50	571	89	1.4
	Nov 2022	572	18	9	367	6.2	87	122	447.50	570	115	1.9
	Dec 2022	427	20	7	259	4.2	106	89	446.50	552	110	1.8
	Jan 2023	447	17	6	299	4.9	105	48	446.50	552	136	2.2
	Feb 2023	554	7	8	396	7.1	32	118	446.50	552	122	2.2
	Mar 2023	862	7	9	617	10.0	105	126	446.70	555	145	2.4
	Apr 2023	939	11	11	705	11.8	64	123	448.70	593	144	2.4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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
*	May 2020	1057	17.2	1091.32	10971	-444	443.68	1385.0	424.4	85	401.5
H	Jun 2020	973	16.4	1087.07	10605	-366	438.87	1511.0	383.4	94	393.9
I	Jul 2020	902	14.7	1084.63	10398	-207	437.22	1502.1	351.6	94	389.9
S	Aug 2020	847	13.8	1084.04	10349	-50	438.65	1502.1	328.8	94	388.2
T	Sep 2020	646	10.9	1083.21	10279	-70	441.07	1264.0	250.3	81	387.6
WY 2020		8263							3256.3		
O	Oct 2020	730	11.9	1081.88	10167	-111	439.76	1154.0	284.7	74	390.2
R	Nov 2020	714	12.0	1081.07	10100	-68	437.77	1303.0	275.5	85	385.6
I	Dec 2020	497	8.0	1083.72	10322	222	442.26	1266.0	191.3	81	384.9
C	Jan 2021	593	9.6	1085.95	10510	189	440.07	1191.0	233.1	74	393.3
A	Feb 2021	574	10.3	1087.26	10622	112	440.33	1080.0	225.4	67	392.4
L	Mar 2021	945	15.4	1084.39	10378	-244	437.56	1109.0	376.2	70	398.0
*	Apr 2021	1057	17.8	1079.30	9953	-425	427.23	1086.9	415.5	70	393.2
	May 2021	1074	17.5	1074.04	9523	-430	426.77	1042.9	423.0	69	393.9
	Jun 2021	961	16.2	1069.81	9185	-339	418.53	1468.0	357.7	100	372.2
	Jul 2021	854	13.9	1068.37	9071	-114	416.05	1468.0	322.8	100	378.1
	Aug 2021	814	13.2	1067.97	9039	-32	415.46	1468.0	305.8	100	375.8
	Sep 2021	712	12.0	1066.72	8941	-98	415.61	1451.0	264.7	100	371.7
WY 2021		9525							3675.7		
	Oct 2021	578	9.4	1065.46	8843	-98	417.57	1308.0	213.7	91	369.6
	Nov 2021	608	10.2	1064.39	8760	-83	422.56	743.0	234.3	52	385.6
	Dec 2021	508	8.3	1065.82	8871	111	419.21	932.0	192.7	65	379.7
	Jan 2022	537	8.7	1068.72	9098	227	419.88	853.1	200.5	58	373.3
	Feb 2022	611	11.0	1069.78	9182	84	420.32	961.0	231.0	65	377.9
	Mar 2022	923	15.0	1067.63	9012	-170	417.29	1247.9	348.1	85	377.3
	Apr 2022	978	16.4	1063.42	8684	-328	414.04	1178.0	364.9	82	373.3
	May 2022	962	15.7	1058.81	8333	-351	409.80	1136.0	358.9	81	372.9
	Jun 2022	921	15.5	1054.53	8014	-319	403.42	1451.0	333.8	100	362.6
	Jul 2022	811	13.2	1052.88	7892	-122	400.81	1434.0	293.0	100	361.5
	Aug 2022	779	12.7	1052.42	7858	-34	400.09	1434.0	279.9	100	359.4
	Sep 2022	694	11.7	1050.66	7730	-128	399.64	1434.0	247.0	100	355.8
WY 2022		8909							3297.9		
	Oct 2022	539	8.8	1049.83	7671	-59	401.55	1273.5	190.2	91	352.7
	Nov 2022	657	11.0	1048.04	7542	-129	403.18	1178.2	235.4	85	358.6
	Dec 2022	565	9.2	1048.83	7599	57	400.98	1126.3	200.7	81	355.2
	Jan 2023	535	8.7	1052.02	7829	231	401.47	1042.3	189.5	74	354.2
	Feb 2023	573	10.3	1053.68	7951	122	404.02	928.2	209.3	65	365.2
	Mar 2023	916	14.9	1051.46	7789	-163	401.29	1194.7	331.1	85	361.4
	Apr 2023	962	16.2	1047.15	7478	-311	397.96	1134.5	342.8	82	356.4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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
*	May 2020	1025	16.7	643.17	1703	7	140.19	255.0	128.5	100	125.3
H	Jun 2020	932	15.7	643.34	1708	5	140.36	255.0	117.3	100	125.8
I	Jul 2020	884	14.4	642.91	1696	-12	139.88	255.0	112.0	100	126.7
S	Aug 2020	822	13.4	642.61	1688	-8	141.10	255.0	104.0	100	126.5
T	Sep 2020	791	13.3	636.50	1525	-163	133.32	255.0	98.1	100	123.9
WY 2020		8063							1015.1		
O	Oct 2020	725	11.8	635.65	1503	-22	134.17	215.5	91.1	85	125.5
R	Nov 2020	560	9.4	639.83	1613	110	140.14	168.3	67.8	66	121.2
I	Dec 2020	509	8.3	638.82	1586	-27	135.77	153.0	65.2	60	128.2
C	Jan 2021	475	7.7	642.71	1691	105	143.89	156.3	55.9	61	117.7
A	Feb 2021	550	9.9	642.63	1688	-2	141.55	156.5	71.1	61	129.2
L	Mar 2021	920	15.0	642.69	1690	2	138.82	161.2	117.8	63	128.0
*	Apr 2021	1028	17.3	642.37	1682	-9	138.42	253.3	130.1	99	126.6
	May 2021	1026	16.7	643.00	1699	17	138.37	255.0	128.0	100	124.7
	Jun 2021	922	15.5	643.00	1699	0	139.08	255.0	115.6	100	125.3
	Jul 2021	846	13.8	642.00	1671	-27	139.19	255.0	106.0	100	125.4
	Aug 2021	780	12.7	642.00	1671	0	139.08	255.0	97.8	100	125.3
	Sep 2021	763	12.8	639.01	1591	-81	137.54	255.0	94.6	100	123.9
WY 2021		9104							1140.9		
	Oct 2021	709	11.5	633.00	1434	-156	133.53	215.5	85.3	85	120.3
	Nov 2021	523	8.8	635.00	1486	51	132.65	170.0	62.5	67	119.5
	Dec 2021	369	6.0	639.51	1604	118	137.17	153.0	45.6	60	123.6
	Jan 2022	449	7.3	641.80	1666	62	139.97	161.2	56.6	63	126.1
	Feb 2022	592	10.7	641.80	1666	0	139.67	198.5	74.5	78	125.8
	Mar 2022	869	14.1	643.05	1700	34	138.99	204.0	108.8	80	125.2
	Apr 2022	955	16.0	643.00	1699	-2	138.92	205.7	119.5	81	125.2
	May 2022	932	15.2	643.00	1699	0	139.20	213.9	116.9	84	125.4
	Jun 2022	882	14.8	643.00	1699	0	139.31	255.0	110.7	100	125.5
	Jul 2022	802	13.1	642.00	1671	-27	139.45	255.0	100.8	100	125.6
	Aug 2022	745	12.1	642.00	1671	0	139.30	255.0	93.5	100	125.5
	Sep 2022	718	12.1	640.01	1617	-54	138.32	255.0	89.5	100	124.6
WY 2022		8546							1064.3		
	Oct 2022	696	11.3	633.00	1434	-183	134.11	227.0	84.1	89	120.8
	Nov 2022	572	9.6	635.00	1486	51	132.30	159.8	68.2	63	119.2
	Dec 2022	427	6.9	639.51	1604	118	136.73	154.7	52.6	61	123.2
	Jan 2023	447	7.3	641.80	1666	62	139.98	156.3	56.4	61	126.1
	Feb 2023	554	10.0	641.80	1666	0	139.96	156.6	69.9	61	126.1
	Mar 2023	862	14.0	643.05	1700	34	139.02	194.1	108.0	76	125.2
	Apr 2023	939	15.8	643.00	1699	-2	139.01	249.9	117.6	98	125.2

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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
*	May 2020	752	12.2	447.51	571	2	77.41	120.0	51.8	100	68.9
H	Jun 2020	700	11.8	447.85	577	6	79.56	120.0	48.8	100	69.7
I	Jul 2020	700	11.4	447.58	572	-5	81.49	120.0	48.6	100	69.3
S	Aug 2020	649	10.6	448.03	581	8	80.50	120.0	45.0	100	69.3
T	Sep 2020	542	9.1	446.61	554	-27	78.70	120.0	37.7	100	69.6
WY 2020		6041							416.0		
O	Oct 2020	448	7.3	447.77	576	22	81.85	90.0	32.2	75	71.8
R	Nov 2020	357	6.0	447.50	571	-5	81.16	90.0	23.9	75	66.9
I	Dec 2020	286	4.7	446.46	551	-19	80.52	118.1	19.7	98	68.9
C	Jan 2021	256	4.2	447.88	578	26	82.16	97.7	16.1	81	62.9
A	Feb 2021	430	7.7	447.56	572	-6	79.82	97.2	29.8	81	69.3
L	Mar 2021	663	10.8	447.28	566	-5	79.45	120.0	46.2	100	69.7
*	Apr 2021	728	12.2	448.04	581	14	79.77	120.0	50.2	100	68.9
	May 2021	726	11.8	448.70	593	13	75.73	120.0	48.1	100	66.3
	Jun 2021	711	11.9	448.50	590	-4	75.95	120.0	47.3	100	66.5
	Jul 2021	679	11.0	448.00	580	-10	75.61	120.0	44.8	100	66.1
	Aug 2021	616	10.0	447.50	571	-10	75.13	120.0	40.4	100	65.5
	Sep 2021	526	8.8	447.50	570	0	74.89	120.0	34.2	100	65.1
WY 2021		6427							432.9		
	Oct 2021	470	7.6	447.50	571	0	76.29	90.0	31.0	75	66.0
	Nov 2021	335	5.6	447.50	571	0	75.98	96.0	21.6	80	64.6
	Dec 2021	230	3.7	446.50	552	-19	74.40	120.0	14.2	100	61.5
	Jan 2022	302	4.9	446.50	552	0	75.07	94.8	19.1	79	63.4
	Feb 2022	398	7.2	446.50	552	0	75.10	94.3	25.8	79	64.9
	Mar 2022	619	10.1	446.70	555	4	74.01	120.0	40.0	100	64.7
	Apr 2022	707	11.9	448.70	593	38	75.25	116.0	46.7	97	66.0
	May 2022	692	11.3	448.70	593	0	76.05	120.0	46.0	100	66.4
	Jun 2022	697	11.7	448.70	593	0	76.05	120.0	46.4	100	66.5
	Jul 2022	671	10.9	448.00	580	-13	75.71	120.0	44.4	100	66.1
	Aug 2022	611	9.9	447.50	571	-10	75.13	120.0	40.0	100	65.5
	Sep 2022	517	8.7	447.50	570	0	74.89	120.0	33.6	100	65.0
WY 2022		6251							408.9		
	Oct 2022	485	7.9	447.50	571	0	76.14	92.9	32.0	77	65.9
	Nov 2022	367	6.2	447.50	570	0	76.19	92.0	23.9	77	65.1
	Dec 2022	259	4.2	446.50	552	-19	74.82	110.3	16.2	92	62.4
	Jan 2023	299	4.9	446.50	552	0	75.12	93.9	19.0	78	63.4
	Feb 2023	396	7.1	446.50	552	0	75.15	93.2	25.7	78	64.9
	Mar 2023	617	10.0	446.70	555	4	74.01	120.0	39.9	100	64.7
	Apr 2023	705	11.8	448.70	593	38	75.08	120.0	46.4	100	65.8

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 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
*	May 2020	276	37	23	37	19	7
H	Jun 2020	290	58	24	28	18	8
I	Jul 2020	335	35	27	32	18	9
S	Aug 2020	367	43	28	32	19	7
T	Sep 2020	262	37	23	28	11	2
	Summer 2020	1806	254	146	182	102	37
O	Oct 2020	277	24	18	22	9	0
R	Nov 2020	275	20	5	7	3	1
I	Dec 2020	304	24	5	7	3	3
C	Jan 2021	319	24	5	6	3	3
A	Feb 2021	278	21	5	6	2	3
L	Mar 2021	285	20	8	11	6	3
	Winter 2021	1738	132	46	60	25	14
*	Apr 2021	254	19	20	28	17	3
	May 2021	241	32	23	30	17	3
	Jun 2021	249	27	20	29	17	3
	Jul 2021	291	18	28	37	18	4
	Aug 2021	300	18	22	30	15	4
	Sep 2021	230	17	20	28	14	4
	Summer 2021	1564	131	132	181	97	21
	Oct 2021	177	18	18	26	13	2
	Nov 2021	183	17	4	6	4	4
	Dec 2021	218	18	4	6	4	4
	Jan 2022	260	18	4	6	4	4
	Feb 2022	228	16	4	6	3	3
	Mar 2022	238	25	4	7	5	3
	Winter 2022	1303	111	38	58	32	21
	Apr 2022	212	24	10	17	10	4
	May 2022	217	30	45	67	23	5
	Jun 2022	237	62	15	25	17	7
	Jul 2022	273	23	22	28	15	8
	Aug 2022	290	36	23	29	15	5
	Sep 2022	217	35	21	27	14	5
	Summer 2022	1445	210	136	193	95	34
	Oct 2022	183	24	20	26	13	5
	Nov 2022	190	34	4	6	4	5
	Dec 2022	227	51	4	6	4	5
	Jan 2023	272	51	5	6	4	5
	Feb 2023	240	46	4	6	3	4
	Mar 2023	252	19	5	7	5	4
	Winter 2023	1112	205	37	50	28	24
	Apr 2023	223	19	11	17	10	4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

May 2021 24-Month Study

Most Probable Inflow*

Flood Control Criteria - Beginning of Month Conditions



— BUREAU OF —
RECLAMATION

Date	Flaming	Blue	Navajo	Lake	Upper Basin	Lake	Total	Total	Flaming	Blue	Tot or Max	Lake	Lake	BOM Space	Mead	Mead	Sys	
	Gorge	Mesa		Powell	Total	Mead			KAF	KAF	Gorge	Mesa	Allow	Powell	Mead	Total	Sched Rel	FC Rel
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
May 2021	787	464	657	15818	17725	17667	35392	148	38	137	324	15818	17667	33808	1500	1074	0	25.1
Jun 2021	789	443	592	16063	17887	18097	35984	143	7	34	184	16063	18097	34343	1500	961	0	25.0
Jul 2021	696	391	608	15948	17643	18435	36078	38	-52	-4	-18	15948	18435	34365	1500	854	0	24.3
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****										
Aug 2021	673	438	671	16373	18155	18549	36705	673	438	671	1782	16373	18549	36705	1500	814	0	23.7
Sep 2021	695	476	716	16846	18733	18581	37314	695	476	716	1886	16846	18581	37314	2270	712	0	23.1
Oct 2021	724	515	736	17169	19144	18679	37823	724	515	736	1975	17169	18679	37823	3040	578	0	22.7
Nov 2021	743	553	733	17283	19312	18777	38089	743	553	733	2028	17283	18777	38089	3810	608	0	22.5
Dec 2021	754	539	732	17416	19441	18860	38301	754	539	732	2024	17416	18860	38301	4580	508	0	22.5
Jan 2022	776	528	731	17648	19682	18749	38432	776	528	731	2035	17648	18749	38432	5350	537	0	22.4
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2022	776	528	731	17648	19682	18749	38432	509	348	523	1380	17648	18749	37777	5350	537	0	22.4
Feb 2022	792	518	732	17992	20034	18522	38556	522	338	524	1384	17992	18522	37898	1500	611	0	22.3
Mar 2022	800	509	723	18235	20267	18438	38704	526	329	515	1369	18235	18438	38042	1500	923	0	22.1
Apr 2022	782	488	669	18360	20300	18608	38908	504	308	454	1266	18360	18608	38234	1500	978	0	22.1
May 2022	735	447	597	18230	20008	18936	38944	450	268	358	1076	18230	18936	38241	1500	962	0	23.2
Jun 2022	590	428	460	17090	18567	19287	37854	293	235	184	711	17090	19287	37087	1500	921	0	24.7
Jul 2022	428	241	373	15763	16805	19606	36411	115	24	41	181	15763	19606	35549	1500	811	0	24.7
**** CREDITABLE SPACE ****								**** EFFECTIVE SPACE ****										
Aug 2022	332	210	392	15723	16657	19728	36385	332	210	392	934	15723	19728	36385	1500	779	0	24.3
Sep 2022	370	219	417	15969	16976	19762	36737	370	219	417	1007	15969	19762	36737	2270	694	0	23.9
Oct 2022	434	245	414	16084	17176	19890	37066	434	245	414	1092	16084	19890	37066	3040	539	0	23.6
Nov 2022	459	271	399	16080	17209	19949	37158	459	271	399	1129	16080	19949	37158	3810	657	0	23.5
Dec 2022	512	255	396	16117	17279	20078	37357	512	255	396	1163	16117	20078	37357	4580	565	0	23.4
Jan 2023	629	243	395	16260	17527	20021	37548	629	243	395	1267	16260	20021	37548	5350	535	0	23.3
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2023	629	243	395	16260	17527	20021	37548	361	243	148	753	16260	20021	37034	5350	535	0	23.3
Feb 2023	739	233	397	16515	17883	19791	37674	472	233	149	854	16515	19791	37159	1500	573	0	23.2
Mar 2023	832	223	388	16677	18120	19669	37788	564	223	140	927	16677	19669	37272	1500	916	0	23.0
Apr 2023	800	202	334	16818	18154	19831	37986	527	202	79	808	16818	19831	37457	1500	962	0	23.0

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