

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 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>.

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 March was 0.297 maf or 45 percent of the 30-year average from 1981 to 2010. The April unregulated inflow forecast for Lake Powell is 0.400 maf or 38 percent of the 30-year average. The 2021 April through July unregulated inflow forecast is 3.200 maf or 45 percent of average.

In this study, the calendar year 2021 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 1.069 maf. The calendar year 2021 diversion for the Central Arizona Project (CAP) is projected to be 1.353 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.245 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 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 2021 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 2020	83	1	73	0	73	6475.89	145
H	May 2020	161	1	101	0	101	6486.37	203
I	Jun 2020	288	2	107	73	180	6501.43	309
S	Jul 2020	145	3	99	23	121	6504.12	330
T	Aug 2020	41	2	74	0	74	6499.62	295
O	Sep 2020	25	2	26	35	61	6494.55	258
	<b>WY 2020</b>	<b>996</b>	<b>15</b>	<b>856</b>	<b>137</b>	<b>993</b>		
R	Oct 2020	32	1	0	55	55	6490.95	225
I	Nov 2020	33	1	17	35	52	6487.89	205
C	Dec 2020	27	1	50	1	51	6483.85	180
A	Jan 2021	25	1	48	2	51	6479.03	153
L	Feb 2021	24	0	46	0	46	6474.49	132
*	Mar 2021	40	0	51	0	51	6472.03	121
	Apr 2021	60	1	55	0	55	6473.08	132
	May 2021	80	1	52	0	52	6478.50	158
	Jun 2021	185	2	55	0	55	6498.38	286
	Jul 2021	105	3	67	0	67	6503.09	322
	Aug 2021	45	2	66	0	66	6500.02	298
	Sep 2021	35	2	48	12	60	6496.46	272
	<b>WY 2021</b>	<b>691</b>	<b>14</b>	<b>554</b>	<b>105</b>	<b>660</b>		
	Oct 2021	39	1	31	30	61	6493.08	248
	Nov 2021	40	1	64	0	64	6489.57	224
	Dec 2021	33	1	66	0	66	6484.21	190
	Jan 2022	31	1	66	0	66	6477.81	155
	Feb 2022	29	0	60	0	60	6471.09	123
	Mar 2022	53	0	65	0	65	6468.18	111
	Apr 2022	82	1	71	0	71	6470.85	122
	May 2022	169	1	90	0	90	6485.71	199
	Jun 2022	278	2	103	82	185	6498.86	290
	Jul 2022	164	3	102	26	128	6503.17	322
	Aug 2022	71	2	67	0	67	6503.40	324
	Sep 2022	44	2	60	0	60	6501.14	307
	<b>WY 2022</b>	<b>1032</b>	<b>15</b>	<b>844</b>	<b>138</b>	<b>982</b>		
	Oct 2022	45	1	74	0	74	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

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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)
*	Apr 2020	111	104	5	112	0	112	129	6026.26	3207	308
H	May 2020	217	158	8	98	31	129	130	6026.81	3228	672
I	Jun 2020	342	236	10	157	31	188	131	6027.76	3263	530
S	Jul 2020	163	134	13	90	0	90	133	6028.55	3293	131
T	Aug 2020	38	67	12	112	0	112	130	6027.10	3238	124
O	Sep 2020	28	64	11	98	0	98	129	6025.93	3195	112
<b>WY 2020</b>		<b>1255</b>	<b>1251</b>	<b>80</b>	<b>1333</b>	<b>62</b>	<b>1395</b>				<b>2825</b>
R	Oct 2020	25	50	7	64	0	64	128	6025.38	3174	85
I	Nov 2020	37	55	4	54	0	54	128	6025.33	3172	82
C	Dec 2020	24	48	2	62	0	62	127	6024.91	3157	88
A	Jan 2021	31	57	2	62	0	62	127	6024.75	3151	88
L	Feb 2021	31	52	2	56	0	56	127	6024.59	3145	79
*	Mar 2021	68	79	3	52	0	52	127	6025.21	3168	96
	Apr 2021	95	90	5	51	0	51	129	6026.08	3200	191
	May 2021	120	92	8	53	0	53	130	6026.90	3231	353
	Jun 2021	205	75	10	95	0	95	129	6026.13	3202	385
	Jul 2021	110	72	13	64	0	64	129	6025.99	3197	109
	Aug 2021	50	71	12	96	0	96	127	6025.03	3161	112
	Sep 2021	38	63	11	93	0	93	126	6023.96	3122	103
<b>WY 2021</b>		<b>834</b>	<b>804</b>	<b>79</b>	<b>801</b>	<b>0</b>	<b>802</b>				<b>1771</b>
	Oct 2021	45	68	7	62	0	62	126	6023.94	3121	88
	Nov 2021	46	69	3	52	0	52	126	6024.31	3135	82
	Dec 2021	33	66	2	65	0	65	126	6024.31	3135	92
	Jan 2022	40	75	2	65	0	65	127	6024.54	3143	91
	Feb 2022	44	75	2	58	0	58	127	6024.92	3157	83
	Mar 2022	95	107	3	71	0	71	128	6025.77	3189	150
	Apr 2022	125	114	5	68	0	68	130	6026.81	3228	276
	May 2022	246	167	8	89	0	89	133	6028.60	3295	604
	Jun 2022	360	267	11	182	0	182	135	6030.46	3367	581
	Jul 2022	184	149	14	69	0	69	138	6032.08	3430	142
	Aug 2022	80	76	13	105	0	105	136	6031.06	3390	129
	Sep 2022	50	66	11	102	0	102	135	6029.88	3344	116
<b>WY 2022</b>		<b>1349</b>	<b>1299</b>	<b>80</b>	<b>988</b>	<b>0</b>	<b>988</b>				<b>2434</b>
	Oct 2022	54	83	7	70	0	70	135	6030.02	3350	102
	Nov 2022	50	77	4	100	0	100	134	6029.34	3324	133
	Dec 2022	33	73	2	151	0	151	131	6027.33	3247	178
	Jan 2023	40	81	2	151	0	151	128	6025.50	3179	178
	Feb 2023	44	80	2	136	0	136	126	6023.99	3123	160
	Mar 2023	95	112	3	53	0	53	128	6025.44	3177	132

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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)
* Apr 2020	7	6	9311.67	73
H May 2020	24	10	9319.44	86
I Jun 2020	22	16	9322.93	92
S Jul 2020	8	17	9317.91	83
T Aug 2020	4	14	9311.83	73
O Sep 2020	5	9	9309.62	69
<hr/>				
<b>WY 2020</b>	<b>101</b>	<b>113</b>		
R Oct 2020	4	5	9308.95	68
I Nov 2020	4	5	9308.44	67
C Dec 2020	4	5	9307.73	66
A Jan 2021	4	5	9306.89	65
L Feb 2021	3	5	9305.99	64
* Mar 2021	4	5	9304.90	62
Apr 2021	8	6	9306.48	64
May 2021	21	10	9313.69	76
Jun 2021	30	18	9320.62	88
Jul 2021	11	17	9317.13	82
Aug 2021	7	15	9312.19	73
Sep 2021	5	12	9307.79	66
<hr/>				
<b>WY 2021</b>	<b>105</b>	<b>108</b>		
Oct 2021	5	6	9307.54	66
Nov 2021	5	5	9307.22	66
Dec 2021	5	5	9306.89	65
Jan 2022	4	5	9306.30	64
Feb 2022	4	5	9305.76	63
Mar 2022	5	5	9305.29	63
Apr 2022	9	10	9304.61	62
May 2022	27	14	9312.88	75
Jun 2022	42	20	9325.18	97
Jul 2022	16	24	9321.05	89
Aug 2022	9	19	9315.43	79
Sep 2022	7	18	9309.22	69
<hr/>				
<b>WY 2022</b>	<b>137</b>	<b>135</b>		
Oct 2022	7	12	9306.10	64
Nov 2022	5	5	9306.13	64
Dec 2022	5	5	9305.80	63
Jan 2023	4	5	9305.19	63
Feb 2023	4	5	9304.58	62
Mar 2023	5	5	9304.10	61

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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)
*	Apr 2020	50	49	1	73	0	73	7480.49	510
H	May 2020	153	140	1	82	17	99	7485.88	550
I	Jun 2020	139	131	1	83	3	85	7491.64	594
S	Jul 2020	46	55	1	92	1	92	7486.61	555
T	Aug 2020	26	36	1	95	0	95	7478.53	495
O	Sep 2020	23	26	1	80	2	82	7470.42	439
<b>WY 2020</b>		<b>607</b>	<b>619</b>	<b>8</b>	<b>806</b>	<b>26</b>	<b>908</b>		
R	Oct 2020	20	22	0	66	0	66	7463.47	389
I	Nov 2020	25	25	0	18	0	18	7464.59	396
C	Dec 2020	21	22	0	21	0	21	7464.73	397
A	Jan 2021	22	23	0	19	0	19	7465.24	400
L	Feb 2021	20	22	0	21	0	21	7465.37	401
*	Mar 2021	29	30	0	32	0	32	7465.07	399
	Apr 2021	56	54	1	56	0	56	7464.69	397
	May 2021	140	129	1	62	0	62	7474.51	463
	Jun 2021	180	168	1	57	0	57	7489.23	572
	Jul 2021	64	70	1	85	0	85	7487.10	555
	Aug 2021	42	50	1	81	0	81	7482.88	523
	Sep 2021	26	33	1	74	0	74	7477.10	481
<b>WY 2021</b>		<b>644</b>	<b>647</b>	<b>7</b>	<b>593</b>	<b>0</b>	<b>593</b>		
	Oct 2021	30	31	0	72	0	72	7471.18	440
	Nov 2021	28	29	0	17	0	17	7472.84	451
	Dec 2021	27	27	0	18	0	18	7474.08	460
	Jan 2022	25	26	0	19	0	19	7475.09	467
	Feb 2022	23	24	0	16	0	16	7476.08	474
	Mar 2022	37	38	0	20	0	20	7478.59	492
	Apr 2022	78	79	1	38	0	38	7484.11	533
	May 2022	199	186	1	166	0	166	7486.59	551
	Jun 2022	262	240	1	52	0	52	7509.34	738
	Jul 2022	98	106	2	76	0	76	7512.58	766
	Aug 2022	59	69	1	79	0	79	7511.35	755
	Sep 2022	38	48	1	74	0	74	7508.22	728
<b>WY 2022</b>		<b>903</b>	<b>901</b>	<b>8</b>	<b>646</b>	<b>0</b>	<b>646</b>		
	Oct 2022	38	43	1	70	0	70	7504.99	700
	Nov 2022	31	31	0	49	0	49	7502.84	682
	Dec 2022	27	27	0	101	0	101	7493.78	608
	Jan 2023	25	26	0	66	0	66	7488.67	567
	Feb 2023	23	24	0	36	0	36	7487.03	555
	Mar 2023	37	38	0	41	0	41	7486.56	551

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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)
*	Apr 2020	54	73	4	77	76	0	76	7147.10	107
H	May 2020	162	99	10	109	109	0	109	7146.72	107
I	Jun 2020	142	85	4	89	85	0	85	7152.13	111
S	Jul 2020	47	92	1	93	93	0	93	7152.06	111
T	Aug 2020	27	95	1	96	95	0	97	7151.26	110
O	Sep 2020	23	82	1	83	80	0	84	7149.87	109
<b>WY 2020</b>		<b>632</b>	<b>908</b>	<b>25</b>	<b>933</b>	<b>917</b>	<b>0</b>	<b>933</b>		
R	Oct 2020	21	66	1	67	66	0	66	7151.06	110
I	Nov 2020	27	18	2	20	23	0	23	7147.26	107
C	Dec 2020	24	21	3	24	23	0	23	7148.38	108
A	Jan 2021	23	19	1	21	23	0	23	7145.78	106
L	Feb 2021	21	21	1	22	21	0	21	7146.38	106
*	Mar 2021	30	32	1	33	35	0	35	7143.99	104
	Apr 2021	64	56	8	64	56	0	56	7153.73	112
	May 2021	150	62	10	72	71	0	71	7153.73	112
	Jun 2021	200	57	20	77	77	0	77	7153.72	112
	Jul 2021	66	85	2	87	87	0	87	7153.73	112
	Aug 2021	46	81	4	85	85	0	85	7153.73	112
	Sep 2021	29	74	3	77	77	0	77	7153.73	112
<b>WY 2021</b>		<b>701</b>	<b>593</b>	<b>57</b>	<b>650</b>	<b>646</b>	<b>0</b>	<b>646</b>		
	Oct 2021	33	72	3	75	74	0	74	7153.73	112
	Nov 2021	30	17	2	19	19	0	19	7153.73	112
	Dec 2021	28	18	2	20	20	0	20	7153.73	112
	Jan 2022	27	19	2	21	21	0	21	7153.73	112
	Feb 2022	25	16	2	19	19	0	19	7153.73	112
	Mar 2022	41	20	4	23	23	0	23	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	52	18	70	70	0	70	7153.72	112
	Jul 2022	102	76	4	79	79	0	79	7153.73	112
	Aug 2022	62	79	2	81	81	0	81	7153.73	112
	Sep 2022	40	74	2	76	76	0	76	7153.73	112
<b>WY 2022</b>		<b>976</b>	<b>646</b>	<b>72</b>	<b>718</b>	<b>717</b>	<b>0</b>	<b>717</b>		
	Oct 2022	40	70	3	72	72	0	72	7153.73	112
	Nov 2022	33	49	2	51	51	0	51	7153.73	112
	Dec 2022	28	101	2	103	103	0	103	7153.73	112
	Jan 2023	27	66	2	68	68	0	68	7153.73	112
	Feb 2023	25	36	2	38	38	0	38	7153.73	112
	Mar 2023	41	41	4	45	45	0	45	7153.73	112

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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)
*	Apr 2020	59	76	5	81	81	0	81	6754.37	17	55	26
H	May 2020	174	109	12	121	99	14	121	6754.46	17	65	54
I	Jun 2020	148	85	6	91	92	0	93	6747.34	15	62	32
S	Jul 2020	48	93	2	95	94	0	94	6750.20	16	65	32
T	Aug 2020	27	97	1	97	97	0	97	6750.09	16	64	35
O	Sep 2020	25	84	1	85	59	27	85	6749.98	16	59	28
	<b>WY 2020</b>	<b>683</b>	<b>933</b>	<b>51</b>	<b>984</b>	<b>905</b>	<b>72</b>	<b>984</b>			<b>447</b>	<b>535</b>
R	Oct 2020	23	66	2	68	49	19	67	6751.39	16	42	25
I	Nov 2020	29	23	2	25	25	0	25	6751.22	16	0	24
C	Dec 2020	27	23	2	26	25	0	26	6751.57	17	1	24
A	Jan 2021	25	23	2	25	25	0	25	6748.38	16	0	24
L	Feb 2021	24	21	2	23	23	0	23	6748.83	16	0	22
*	Mar 2021	32	35	2	37	37	0	37	6748.74	16	11	25
	Apr 2021	72	56	8	64	63	0	63	6753.04	17	42	21
	May 2021	170	71	20	91	91	0	91	6753.04	17	62	29
	Jun 2021	230	77	30	107	107	0	107	6753.03	17	61	46
	Jul 2021	68	87	2	89	89	0	89	6753.04	17	65	24
	Aug 2021	50	85	4	89	89	0	89	6753.04	17	65	24
	Sep 2021	35	77	6	83	83	0	83	6753.04	17	55	28
	<b>WY 2021</b>	<b>784</b>	<b>646</b>	<b>82</b>	<b>728</b>	<b>707</b>	<b>20</b>	<b>727</b>			<b>405</b>	<b>318</b>
	Oct 2021	39	74	6	81	81	0	81	6753.04	17	30	51
	Nov 2021	35	19	5	24	24	0	24	6753.04	17	0	24
	Dec 2021	33	20	5	25	25	0	25	6753.04	17	0	25
	Jan 2022	31	21	4	25	25	0	25	6753.04	17	0	25
	Feb 2022	29	19	4	22	22	0	22	6753.04	17	0	22
	Mar 2022	47	23	6	29	29	0	29	6753.04	17	5	24
	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	70	32	102	102	0	102	6753.03	17	61	41
	Jul 2022	110	79	9	88	88	0	88	6753.04	17	65	23
	Aug 2022	68	81	7	88	88	0	88	6753.04	17	65	23
	Sep 2022	46	76	6	82	82	0	82	6753.04	17	55	27
	<b>WY 2022</b>	<b>1097</b>	<b>717</b>	<b>121</b>	<b>838</b>	<b>758</b>	<b>79</b>	<b>838</b>			<b>385</b>	<b>453</b>
	Oct 2022	47	72	6	78	78	0	78	6753.04	17	55	23
	Nov 2022	38	51	5	56	56	0	56	6753.04	17	0	56
	Dec 2022	33	103	5	108	108	0	108	6753.04	17	0	108
	Jan 2023	31	68	4	72	72	0	72	6753.04	17	0	72
	Feb 2023	29	38	4	42	42	0	42	6753.04	17	0	42
	Mar 2023	47	45	6	51	51	0	51	6753.04	17	5	46

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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)
*	Apr 2020	16	4	7653.32	95
H	May 2020	66	37	7664.35	124
I	Jun 2020	38	48	7660.61	114
S	Jul 2020	11	38	7649.57	86
T	Aug 2020	5	36	7635.21	54
O	Sep 2020	4	28	7620.77	30
<b>WY 2020</b>		<b>167</b>	<b>213</b>		
R	Oct 2020	3	2	7620.99	30
I	Nov 2020	3	0	7623.08	33
C	Dec 2020	3	0	7624.62	36
A	Jan 2021	3	0	7626.24	38
L	Feb 2021	3	0	7627.63	41
*	Mar 2021	4	0	7629.73	44
	Apr 2021	10	0	7634.81	54
	May 2021	35	26	7638.90	62
	Jun 2021	43	37	7641.64	68
	Jul 2021	15	36	7631.06	47
	Aug 2021	12	33	7617.32	26
	Sep 2021	11	26	7602.25	11
<b>WY 2021</b>		<b>144</b>	<b>161</b>		
	Oct 2021	10	14	7597.09	7
	Nov 2021	8	2	7604.63	13
	Dec 2021	7	2	7610.17	18
	Jan 2022	6	2	7613.75	22
	Feb 2022	5	2	7616.72	25
	Mar 2022	9	2	7622.25	32
	Apr 2022	23	2	7634.53	53
	May 2022	69	31	7651.51	91
	Jun 2022	68	43	7661.12	115
	Jul 2022	24	42	7654.14	97
	Aug 2022	17	38	7645.34	76
	Sep 2022	18	30	7639.83	64
<b>WY 2022</b>		<b>264</b>	<b>208</b>		
	Oct 2022	14	17	7638.21	61
	Nov 2022	9	2	7641.29	67
	Dec 2022	7	2	7643.56	72
	Jan 2023	6	2	7645.24	76
	Feb 2023	5	2	7646.73	79
	Mar 2023	9	2	7649.81	87

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2021 24-Month Study

Most Probable Inflow\*

### Navajo Reservoir



— BUREAU OF —  
RECLAMATION

	Date	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)
*	Apr 2020	80	11	60	2	25	29	6055.92	1297	37
H	May 2020	199	27	142	4	37	32	6061.48	1367	122
I	Jun 2020	65	8	64	4	41	31	6060.49	1354	96
S	Jul 2020	3	1	29	4	47	47	6054.99	1285	58
T	Aug 2020	-15	0	16	3	44	52	6048.01	1202	46
O	Sep 2020	-7	0	17	2	21	47	6043.32	1149	44
<b>WY 2020</b>		<b>431</b>	<b>48</b>	<b>429</b>	<b>27</b>	<b>230</b>	<b>411</b>			<b>671</b>
R	Oct 2020	6	0	6	1	9	42	6039.09	1103	42
I	Nov 2020	17	0	14	1	0	22	6038.29	1094	37
C	Dec 2020	10	0	7	1	0	22	6036.88	1079	33
A	Jan 2021	12	0	10	1	0	24	6035.47	1065	33
L	Feb 2021	13	0	11	1	1	22	6034.25	1052	32
*	Mar 2021	25	1	20	1	4	25	6033.31	1042	32
	Apr 2021	85	8	68	2	21	20	6035.67	1067	43
	May 2021	155	18	128	3	35	19	6042.31	1138	89
	Jun 2021	125	14	105	4	51	19	6045.12	1169	104
	Jul 2021	30	1	49	4	56	37	6040.84	1122	69
	Aug 2021	30	2	49	3	47	33	6037.70	1088	57
	Sep 2021	29	1	43	2	26	29	6036.38	1074	49
<b>WY 2021</b>		<b>537</b>	<b>45</b>	<b>510</b>	<b>23</b>	<b>249</b>	<b>313</b>			<b>620</b>
	Oct 2021	35	1	37	1	9	21	6036.95	1080	39
	Nov 2021	25	0	20	1	0	18	6037.06	1081	34
	Dec 2021	25	0	20	1	0	18	6037.16	1082	34
	Jan 2022	22	0	18	1	0	18	6037.03	1081	33
	Feb 2022	30	0	26	1	0	17	6037.84	1090	29
	Mar 2022	96	9	79	1	5	18	6042.83	1144	42
	Apr 2022	152	18	113	2	21	18	6049.20	1216	68
	May 2022	266	35	193	3	35	18	6060.37	1353	159
	Jun 2022	212	27	160	4	51	18	6067.00	1440	170
	Jul 2022	48	2	64	5	56	20	6065.79	1423	79
	Aug 2022	30	2	49	4	47	24	6063.85	1398	58
	Sep 2022	41	2	51	3	26	30	6063.29	1390	61
<b>WY 2022</b>		<b>983</b>	<b>96</b>	<b>831</b>	<b>26</b>	<b>250</b>	<b>238</b>			<b>805</b>
	Oct 2022	43	1	45	2	9	19	6064.43	1405	43
	Nov 2022	28	0	21	1	0	18	6064.63	1408	36
	Dec 2022	25	0	20	1	0	18	6064.69	1409	34
	Jan 2023	22	0	18	1	0	18	6064.58	1407	33
	Feb 2023	30	0	26	1	0	17	6065.22	1416	29
	Mar 2023	96	9	79	2	5	18	6069.19	1469	42

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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)
*	Apr 2020	475	510	23	630	0	630	3599.32	4989	11685	652
H	May 2020	1541	1253	27	629	0	629	3605.05	5033	12239	651
I	Jun 2020	1453	1293	45	650	0	650	3610.62	5077	12793	663
S	Jul 2020	290	332	53	750	0	750	3606.25	5042	12357	774
T	Aug 2020	-20	200	51	833	0	833	3599.72	4992	11723	865
O	Sep 2020	47	267	46	602	0	602	3595.98	4963	11371	628
	<b>WY 2020</b>	<b>5848</b>	<b>6543</b>	<b>372</b>	<b>8230</b>	<b>0</b>	<b>8230</b>				<b>8425</b>
R	Oct 2020	92	246	31	640	0	640	3591.72	4932	10977	667
I	Nov 2020	261	279	29	640	0	640	3587.72	4903	10615	650
C	Dec 2020	168	217	23	719	0	719	3582.21	4864	10130	716
A	Jan 2021	198	239	7	763	0	763	3576.45	4825	9638	757
L	Feb 2021	201	235	7	675	0	675	3571.46	4792	9226	674
*	Mar 2021	297	299	11	700	0	700	3566.71	4761	8844	710
	Apr 2021	400	311	17	628	0	628	3562.75	4736	8534	646
	May 2021	900	671	20	628	0	628	3563.03	4738	8556	647
	Jun 2021	1400	1126	32	651	0	651	3568.24	4771	8965	670
	Jul 2021	500	539	39	765	0	765	3565.14	4751	8720	788
	Aug 2021	250	386	38	800	0	800	3559.73	4718	8302	824
	Sep 2021	230	360	34	622	0	622	3556.07	4696	8028	639
	<b>WY 2021</b>	<b>4897</b>	<b>4908</b>	<b>288</b>	<b>8230</b>	<b>0</b>	<b>8230</b>				<b>8388</b>
	Oct 2021	346	400	23	480	0	480	3554.79	4688	7933	492
	Nov 2021	399	386	22	500	0	500	3553.07	4678	7807	503
	Dec 2021	364	381	18	600	0	600	3550.03	4661	7588	603
	Jan 2022	355	370	5	723	0	723	3545.34	4634	7256	732
	Feb 2022	399	395	5	639	0	639	3541.98	4616	7025	650
	Mar 2022	653	548	9	675	0	675	3540.12	4606	6899	691
	Apr 2022	945	752	14	601	0	601	3542.00	4616	7026	619
	May 2022	2213	1846	18	599	0	599	3557.90	4707	8164	618
	Jun 2022	2595	2091	32	628	0	628	3574.66	4813	9489	647
	Jul 2022	898	789	42	709	0	709	3575.08	4816	9524	732
	Aug 2022	445	532	41	758	0	758	3572.08	4796	9276	782
	Sep 2022	386	490	38	568	0	568	3570.77	4787	9170	585
	<b>WY 2022</b>	<b>9998</b>	<b>8980</b>	<b>267</b>	<b>7480</b>	<b>0</b>	<b>7480</b>				<b>7655</b>
	Oct 2022	474	508	26	480	0	480	3570.80	4787	9172	492
	Nov 2022	461	519	25	500	0	500	3570.72	4787	9166	503
	Dec 2022	364	550	20	600	0	600	3569.91	4782	9100	603
	Jan 2023	355	503	6	723	0	723	3567.31	4765	8891	732
	Feb 2023	399	492	6	639	0	639	3565.52	4754	8750	650
	Mar 2023	653	552	11	675	0	675	3563.93	4744	8625	691

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 2021 24-Month Study

Most Probable Inflow\*

### Hoover Dam - Lake Mead



— BUREAU OF —  
RECLAMATION

		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)
Date											
*	Apr 2020	630	83	41	862	14.5	18	853	742	1096.39	11415
H	May 2020	629	33	46	1057	17.2	31	1059	713	1091.32	10971
I	Jun 2020	650	19	55	973	16.4	31	978	689	1087.07	10605
S	Jul 2020	750	35	68	902	14.7	36	906	676	1084.63	10398
T	Aug 2020	833	69	72	847	13.8	36	850	673	1084.04	10349
O	Sep 2020	602	56	59	646	10.9	28	651	668	1083.21	10279
<b>WY 2020</b>		<b>8230</b>	<b>863</b>	<b>553</b>	<b>8263</b>		<b>255</b>	<b>8267</b>			
R	Oct 2020	640	35	43	730	11.9	21	734	661	1081.88	10167
I	Nov 2020	640	56	42	714	12.0	11	718	656	1081.07	10100
C	Dec 2020	719	59	37	497	8.1	8	500	671	1083.72	10322
A	Jan 2021	763	72	30	593	9.6	11	616	683	1085.95	10510
L	Feb 2021	675	56	28	574	10.3	9	573	690	1087.26	10622
*	Mar 2021	700	34	31	945	15.4	16	936	675	1084.39	10378
	Apr 2021	628	81	38	1023	17.2	15	1023	652	1080.25	10032
	May 2021	628	50	44	1018	16.6	19	1018	628	1075.66	9654
	Jun 2021	651	29	52	950	16.0	29	950	606	1071.57	9325
	Jul 2021	765	64	64	855	13.9	34	855	599	1070.12	9209
	Aug 2021	800	81	68	802	13.0	35	802	597	1069.85	9187
	Sep 2021	622	71	55	701	11.8	31	701	591	1068.73	9099
<b>WY 2021</b>		<b>8230</b>	<b>688</b>	<b>532</b>	<b>9402</b>		<b>241</b>	<b>9426</b>			
	Oct 2021	480	58	40	591	9.6	25	591	584	1067.32	8988
	Nov 2021	500	71	40	631	10.6	13	631	577	1065.96	8882
	Dec 2021	600	67	34	519	8.4	8	519	584	1067.24	8981
	Jan 2022	723	95	28	528	8.6	11	528	599	1070.22	9217
	Feb 2022	639	97	26	569	10.3	9	569	607	1071.77	9340
	Mar 2022	675	111	29	913	14.9	15	913	597	1069.74	9179
	Apr 2022	601	81	36	997	16.8	17	997	574	1065.33	8833
	May 2022	599	50	41	970	15.8	21	970	551	1060.67	8474
	Jun 2022	628	29	48	927	15.6	29	927	530	1056.34	8148
	Jul 2022	709	64	59	818	13.3	33	818	521	1054.60	8019
	Aug 2022	758	81	63	786	12.8	34	786	519	1054.04	7977
	Sep 2022	568	71	51	701	11.8	31	701	510	1052.20	7842
<b>WY 2022</b>		<b>7480</b>	<b>876</b>	<b>497</b>	<b>8951</b>		<b>245</b>	<b>8951</b>			
	Oct 2022	480	58	37	547	8.9	26	547	505	1051.28	7776
	Nov 2022	500	71	37	663	11.1	15	663	497	1049.41	7640
	Dec 2022	600	67	32	556	9.0	10	556	501	1050.31	7705
	Jan 2023	723	95	26	519	8.4	11	519	517	1053.68	7951
	Feb 2023	639	97	24	552	9.9	9	552	526	1055.60	8093
	Mar 2023	675	111	27	897	14.6	16	897	517	1053.64	7948

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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)
*	Apr 2020	862	4	17	861	0	861	14.5	642.91	1696
H	May 2020	1057	-2	22	1025	0	1025	16.7	643.17	1703
I	Jun 2020	973	-10	25	932	0	933	15.7	643.34	1708
S	Jul 2020	902	-4	25	884	0	884	14.4	642.91	1696
T	Aug 2020	847	-10	23	822	0	822	13.4	642.61	1688
O	Sep 2020	646	1	18	791	0	791	13.3	636.50	1525
<b>WY 2020</b>		<b>8263</b>	<b>-50</b>	<b>198</b>	<b>8063</b>	<b>0</b>	<b>8063</b>			
R	Oct 2020	730	-12	15	725	0	725	11.8	635.65	1503
I	Nov 2020	714	-34	11	560	0	560	9.4	639.83	1613
C	Dec 2020	497	-6	9	509	0	509	8.3	638.82	1586
A	Jan 2021	593	-3	10	475	0	474	7.7	642.71	1691
L	Feb 2021	574	-17	10	550	0	550	9.9	642.63	1688
*	Mar 2021	945	-10	13	920	0	920	15.0	642.69	1690
	Apr 2021	1023	-8	17	990	0	990	16.6	643.00	1699
	May 2021	1018	-8	22	987	0	987	16.1	643.00	1699
	Jun 2021	950	-13	25	912	0	912	15.3	643.00	1699
	Jul 2021	855	-10	25	847	0	847	13.8	642.00	1671
	Aug 2021	802	-11	23	768	0	768	12.5	642.00	1671
	Sep 2021	701	-11	18	752	0	752	12.6	639.01	1591
<b>WY 2021</b>		<b>9402</b>	<b>-143</b>	<b>198</b>	<b>8995</b>	<b>0</b>	<b>8995</b>			
	Oct 2021	591	-11	15	721	0	721	11.7	633.00	1434
	Nov 2021	631	-23	10	547	0	547	9.2	635.00	1486
	Dec 2021	519	-11	9	381	0	381	6.2	639.51	1604
	Jan 2022	528	-17	10	440	0	440	7.1	641.80	1666
	Feb 2022	569	-9	10	550	0	550	9.9	641.80	1666
	Mar 2022	913	-7	13	859	0	859	14.0	643.05	1700
	Apr 2022	997	-8	17	974	0	974	16.4	643.00	1699
	May 2022	970	-8	22	940	0	940	15.3	643.00	1699
	Jun 2022	927	-13	25	889	0	889	14.9	643.00	1699
	Jul 2022	818	-10	25	810	0	810	13.2	642.00	1671
	Aug 2022	786	-11	23	753	0	753	12.2	642.00	1671
	Sep 2022	701	-11	18	725	0	725	12.2	640.01	1617
<b>WY 2022</b>		<b>8951</b>	<b>-138</b>	<b>197</b>	<b>8589</b>	<b>0</b>	<b>8589</b>			
	Oct 2022	547	-11	15	704	0	704	11.4	633.00	1434
	Nov 2022	663	-23	10	579	0	579	9.7	635.00	1486
	Dec 2022	556	-11	9	417	0	417	6.8	639.51	1604
	Jan 2023	519	-17	10	431	0	431	7.0	641.80	1666
	Feb 2023	552	-9	10	533	0	533	9.6	641.80	1666
	Mar 2023	897	-7	13	843	0	843	13.7	643.05	1700

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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)
*	Apr 2020	861	29	11	642	10.8	55	148	447.41	569	171	2.9
H	May 2020	1025	-6	13	752	12.2	61	180	447.51	571	132	2.1
I	Jun 2020	933	-5	15	700	11.8	94	103	447.85	577	142	2.4
S	Jul 2020	884	3	17	700	11.4	95	69	447.58	572	156	2.5
T	Aug 2020	822	2	17	649	10.6	79	61	448.03	581	131	2.1
O	Sep 2020	791	4	15	542	9.1	92	164	446.61	554	116	2.0
	<b>WY 2020</b>	<b>8063</b>	<b>98</b>	<b>139</b>	<b>6041</b>		<b>631</b>	<b>1319</b>			<b>1584</b>	
R	Oct 2020	725	21	12	448	7.3	94	164	447.77	576	71	1.1
I	Nov 2020	560	20	9	357	6.0	92	123	447.50	571	96	1.5
C	Dec 2020	509	9	7	286	4.7	95	145	446.46	551	95	1.5
A	Jan 2021	474	13	6	256	4.2	70	124	447.88	578	152	2.0
L	Feb 2021	550	-1	8	430	7.7	0	111	447.56	572	131	2.2
*	Mar 2021	920	2	9	663	10.8	99	149	447.28	566	179	2.9
	Apr 2021	990	11	11	706	11.9	98	169	447.70	574	155	2.6
	May 2021	987	9	13	688	11.2	103	166	448.50	590	117	1.9
	Jun 2021	912	6	16	693	11.7	98	94	448.70	593	123	2.1
	Jul 2021	847	15	17	684	11.1	101	61	448.00	580	129	2.1
	Aug 2021	768	15	17	605	9.8	101	58	447.50	571	99	1.6
	Sep 2021	752	14	15	515	8.7	98	128	447.50	570	96	1.6
	<b>WY 2021</b>	<b>8995</b>	<b>134</b>	<b>139</b>	<b>6333</b>		<b>1049</b>	<b>1493</b>			<b>1442</b>	
	Oct 2021	721	21	12	483	7.9	101	141	447.50	571	85	1.4
	Nov 2021	547	18	9	366	6.1	98	87	447.50	571	113	1.9
	Dec 2021	381	20	7	242	3.9	102	65	446.50	552	94	1.5
	Jan 2022	440	17	6	302	4.9	97	47	446.50	552	138	2.2
	Feb 2022	550	7	8	398	7.2	24	121	446.50	552	124	2.2
	Mar 2022	859	7	9	619	10.1	97	129	446.70	555	147	2.4
	Apr 2022	974	11	11	707	11.9	93	125	448.70	593	147	2.5
	May 2022	940	9	13	692	11.3	97	135	448.70	593	110	1.8
	Jun 2022	889	6	16	697	11.7	94	75	448.70	593	116	2.0
	Jul 2022	810	15	17	671	10.9	97	41	448.00	580	123	2.0
	Aug 2022	753	15	17	611	9.9	97	41	447.50	571	101	1.6
	Sep 2022	725	14	15	517	8.7	94	103	447.50	570	99	1.7
	<b>WY 2022</b>	<b>8589</b>	<b>161</b>	<b>139</b>	<b>6306</b>		<b>1091</b>	<b>1108</b>			<b>1398</b>	
	Oct 2022	704	21	12	485	7.9	97	125	447.50	571	89	1.4
	Nov 2022	579	18	9	367	6.2	94	122	447.50	570	115	1.9
	Dec 2022	417	20	7	259	4.2	97	89	446.50	552	110	1.8
	Jan 2023	431	17	6	310	5.0	86	40	446.50	552	138	2.2
	Feb 2023	533	7	8	402	7.2	14	110	446.50	552	124	2.2
	Mar 2023	843	7	9	624	10.1	86	118	446.70	555	147	2.4

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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
*	Apr 2020	862	14.5	1096.39	11415	-194	447.37	1138.0	351.1	69	407.4
H	May 2020	1057	17.2	1091.32	10971	-444	443.68	1385.0	424.4	85	401.5
I	Jun 2020	973	16.4	1087.07	10605	-366	438.87	1511.0	383.4	94	393.9
S	Jul 2020	902	14.7	1084.63	10398	-207	437.22	1502.1	351.6	94	389.9
T	Aug 2020	847	13.8	1084.04	10349	-50	438.65	1502.1	328.8	94	388.2
O	Sep 2020	646	10.9	1083.21	10279	-70	441.07	1264.0	250.3	81	387.6
<b>WY 2020</b>		<b>8263</b>							<b>3256.3</b>		
R	Oct 2020	730	11.9	1081.88	10167	-111	439.76	1154.0	284.7	74	390.2
I	Nov 2020	714	12.0	1081.07	10100	-68	437.77	1303.0	275.5	85	385.6
C	Dec 2020	497	8.0	1083.72	10322	222	442.26	1266.0	191.3	81	384.9
A	Jan 2021	593	9.6	1085.95	10510	189	440.07	1191.0	233.1	74	393.3
L	Feb 2021	574	10.3	1087.26	10622	112	440.33	1080.0	225.4	67	392.4
*	Mar 2021	945	15.4	1084.39	10378	-244	437.56	1109.0	376.2	70	398.0
	Apr 2021	1023	17.2	1080.25	10032	-346	432.14	1086.9	406.7	70	397.4
	May 2021	1018	16.6	1075.66	9654	-378	425.81	1332.0	389.9	88	383.1
	Jun 2021	950	16.0	1071.57	9325	-329	420.20	1468.0	361.3	100	380.2
	Jul 2021	855	13.9	1070.12	9209	-116	417.78	1468.0	324.6	100	379.8
	Aug 2021	802	13.0	1069.85	9187	-22	417.25	1468.0	302.1	100	376.8
	Sep 2021	701	11.8	1068.73	9099	-89	417.53	1451.0	261.4	100	372.8
<b>WY 2021</b>		<b>9402</b>							<b>3632.1</b>		
	Oct 2021	591	9.6	1067.32	8988	-110	419.49	1308.0	219.8	91	372.2
	Nov 2021	631	10.6	1065.96	8882	-106	424.27	743.0	242.6	52	384.3
	Dec 2021	519	8.4	1067.24	8981	99	420.70	932.0	198.2	65	381.8
	Jan 2022	528	8.6	1070.22	9217	236	421.33	853.1	197.1	58	373.6
	Feb 2022	569	10.3	1071.77	9340	123	422.05	961.0	217.2	65	381.4
	Mar 2022	913	14.9	1069.74	9179	-162	419.32	1247.9	345.9	85	378.7
	Apr 2022	997	16.8	1065.33	8833	-346	416.04	1178.0	375.2	82	376.2
	May 2022	970	15.8	1060.67	8474	-359	411.66	1136.0	363.9	81	375.1
	Jun 2022	927	15.6	1056.34	8148	-326	405.23	1451.0	338.2	100	364.7
	Jul 2022	818	13.3	1054.60	8019	-129	402.55	1434.0	297.4	100	363.6
	Aug 2022	786	12.8	1054.04	7977	-41	401.74	1434.0	284.2	100	361.4
	Sep 2022	701	11.8	1052.20	7842	-135	401.20	1409.6	250.7	100	357.7
<b>WY 2022</b>		<b>8951</b>							<b>3330.4</b>		
	Oct 2022	547	8.9	1051.28	7776	-67	403.03	1281.0	193.8	91	354.6
	Nov 2022	663	11.1	1049.41	7640	-135	404.58	1184.8	239.0	85	360.4
	Dec 2022	556	9.0	1050.31	7705	65	402.39	1133.1	197.7	81	355.8
	Jan 2023	519	8.4	1053.68	7951	246	403.03	1049.3	189.5	74	365.2
	Feb 2023	552	9.9	1055.60	8093	142	405.80	935.3	201.6	65	365.3
	Mar 2023	897	14.6	1053.64	7948	-144	403.32	1205.2	325.0	85	362.4

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 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
*	Apr 2020	861	14.5	642.91	1696	-11	137.62	253.3	109.7	99	127.4
H	May 2020	1025	16.7	643.17	1703	7	140.19	255.0	128.5	100	125.3
I	Jun 2020	932	15.7	643.34	1708	5	140.36	255.0	117.3	100	125.8
S	Jul 2020	884	14.4	642.91	1696	-12	139.88	255.0	112.0	100	126.7
T	Aug 2020	822	13.4	642.61	1688	-8	141.10	255.0	104.0	100	126.5
O	Sep 2020	791	13.3	636.50	1525	-163	133.32	255.0	98.1	100	123.9
<b>WY 2020</b>		<b>8063</b>							<b>1015.1</b>		
R	Oct 2020	725	11.8	635.65	1503	-22	134.17	215.5	91.1	85	125.5
I	Nov 2020	560	9.4	639.83	1613	110	140.14	168.3	67.8	66	121.2
C	Dec 2020	509	8.3	638.82	1586	-27	135.77	153.0	65.2	60	128.2
A	Jan 2021	475	7.7	642.71	1691	105	143.89	156.3	55.9	61	117.7
L	Feb 2021	550	9.9	642.63	1688	-2	141.55	156.5	71.1	61	129.2
*	Mar 2021	920	15.0	642.69	1690	2	138.82	161.2	117.8	63	128.0
	Apr 2021	990	16.6	643.00	1699	8	138.54	253.3	123.6	99	124.8
	May 2021	987	16.1	643.00	1699	0	138.89	255.0	123.5	100	125.1
	Jun 2021	912	15.3	643.00	1699	0	139.14	255.0	114.3	100	125.4
	Jul 2021	847	13.8	642.00	1671	-27	139.19	255.0	106.2	100	125.4
	Aug 2021	768	12.5	642.00	1671	0	139.16	255.0	96.3	100	125.4
	Sep 2021	752	12.6	639.01	1591	-81	137.60	255.0	93.3	100	124.0
<b>WY 2021</b>		<b>8995</b>							<b>1126.0</b>		
	Oct 2021	721	11.7	633.00	1434	-156	133.46	215.5	86.7	85	120.2
	Nov 2021	547	9.2	635.00	1486	51	132.48	170.0	65.3	67	119.4
	Dec 2021	381	6.2	639.51	1604	118	137.07	153.0	47.0	60	123.5
	Jan 2022	440	7.1	641.80	1666	62	140.04	161.2	55.4	63	126.2
	Feb 2022	550	9.9	641.80	1666	0	139.98	198.5	69.4	78	126.1
	Mar 2022	859	14.0	643.05	1700	34	139.04	204.0	107.6	80	125.3
	Apr 2022	974	16.4	643.00	1699	-2	138.81	204.0	121.8	80	125.1
	May 2022	940	15.3	643.00	1699	0	139.16	204.0	117.8	80	125.4
	Jun 2022	889	14.9	643.00	1699	0	139.28	255.0	111.5	100	125.5
	Jul 2022	810	13.2	642.00	1671	-27	139.41	255.0	101.7	100	125.6
	Aug 2022	753	12.2	642.00	1671	0	139.25	255.0	94.4	100	125.5
	Sep 2022	725	12.2	640.01	1617	-54	138.28	255.0	90.3	100	124.6
<b>WY 2022</b>		<b>8589</b>							<b>1069.2</b>		
	Oct 2022	704	11.4	633.00	1434	-183	134.06	227.0	85.0	89	120.8
	Nov 2022	579	9.7	635.00	1486	51	132.25	159.8	69.0	63	119.2
	Dec 2022	417	6.8	639.51	1604	118	136.80	154.7	51.4	61	123.2
	Jan 2023	431	7.0	641.80	1666	62	140.10	156.3	54.4	61	126.2
	Feb 2023	533	9.6	641.80	1666	0	140.11	156.6	67.3	61	126.2
	Mar 2023	843	13.7	643.05	1700	34	139.14	194.1	105.6	76	125.4

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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
*	Apr 2020	642	10.8	447.41	569	25	81.56	120.0	44.4	100	69.2
H	May 2020	752	12.2	447.51	571	2	77.41	120.0	51.8	100	68.9
I	Jun 2020	700	11.8	447.85	577	6	79.56	120.0	48.8	100	69.7
S	Jul 2020	700	11.4	447.58	572	-5	81.49	120.0	48.6	100	69.3
T	Aug 2020	649	10.6	448.03	581	8	80.50	120.0	45.0	100	69.3
O	Sep 2020	542	9.1	446.61	554	-27	78.70	120.0	37.7	100	69.6
<b>WY 2020</b>		<b>6041</b>							<b>416.0</b>		
R	Oct 2020	448	7.3	447.77	576	22	81.85	90.0	32.2	75	71.8
I	Nov 2020	357	6.0	447.50	571	-5	81.16	90.0	23.9	75	66.9
C	Dec 2020	286	4.7	446.46	551	-19	80.52	118.1	19.7	98	68.9
A	Jan 2021	256	4.2	447.88	578	26	82.16	97.7	16.1	81	62.9
L	Feb 2021	430	7.7	447.56	572	-6	79.82	97.2	29.8	81	69.3
*	Mar 2021	663	10.8	447.28	566	-5	79.45	120.0	46.2	100	69.7
	Apr 2021	706	11.9	447.70	574	8	74.87	120.0	46.4	100	65.7
	May 2021	688	11.2	448.50	590	15	75.47	120.0	45.4	100	66.0
	Jun 2021	693	11.7	448.70	593	4	75.95	120.0	46.1	100	66.4
	Jul 2021	684	11.1	448.00	580	-13	75.71	120.0	45.2	100	66.2
	Aug 2021	605	9.8	447.50	571	-10	75.13	120.0	39.6	100	65.5
	Sep 2021	515	8.7	447.50	570	0	74.89	120.0	33.5	100	65.0
<b>WY 2021</b>		<b>6333</b>							<b>424.1</b>		
	Oct 2021	483	7.9	447.50	571	0	76.29	90.0	31.9	75	66.1
	Nov 2021	366	6.1	447.50	571	0	75.98	96.0	23.7	80	64.9
	Dec 2021	242	3.9	446.50	552	-19	74.40	120.0	15.0	100	61.8
	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
<b>WY 2022</b>		<b>6306</b>							<b>412.7</b>		
	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	310	5.0	446.50	552	0	75.12	93.9	19.7	78	63.6
	Feb 2023	402	7.2	446.50	552	0	75.15	93.2	26.1	78	65.0
	Mar 2023	624	10.1	446.70	555	4	74.01	120.0	40.4	100	64.7

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## April 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
*	Apr 2020	276	44	21	25	16	5
H	May 2020	276	37	23	37	19	7
I	Jun 2020	290	58	24	28	18	8
S	Jul 2020	335	35	27	32	18	9
T	Aug 2020	367	43	28	32	19	7
O	Sep 2020	262	37	23	28	11	2
	<b>Summer 2020</b>	<b>1806</b>	<b>254</b>	<b>146</b>	<b>182</b>	<b>102</b>	<b>37</b>
R	Oct 2020	277	24	18	22	9	0
I	Nov 2020	275	20	5	7	3	1
C	Dec 2020	304	24	5	7	3	3
A	Jan 2021	319	24	5	6	3	3
L	Feb 2021	278	21	5	6	2	3
*	Mar 2021	285	20	8	11	6	3
	<b>Winter 2021</b>	<b>1738</b>	<b>132</b>	<b>46</b>	<b>60</b>	<b>25</b>	<b>14</b>
	Apr 2021	243	17	15	20	11	3
	May 2021	242	18	17	26	16	3
	Jun 2021	252	32	17	28	19	4
	Jul 2021	297	22	25	31	15	5
	Aug 2021	307	32	24	31	15	5
	Sep 2021	237	31	21	28	14	4
	<b>Summer 2021</b>	<b>1577</b>	<b>152</b>	<b>119</b>	<b>164</b>	<b>90</b>	<b>23</b>
	Oct 2021	182	21	20	27	14	2
	Nov 2021	189	17	5	7	4	4
	Dec 2021	225	22	5	7	4	4
	Jan 2022	268	22	5	7	4	4
	Feb 2022	236	20	5	7	4	3
	Mar 2022	247	24	6	8	5	3
	<b>Winter 2022</b>	<b>1346</b>	<b>125</b>	<b>45</b>	<b>63</b>	<b>35</b>	<b>22</b>
	Apr 2022	220	23	11	17	10	4
	May 2022	224	30	48	67	23	5
	Jun 2022	243	62	16	25	18	7
	Jul 2022	280	23	24	29	15	8
	Aug 2022	299	36	25	29	15	5
	Sep 2022	224	35	23	27	14	5
	<b>Summer 2022</b>	<b>1489</b>	<b>209</b>	<b>146</b>	<b>195</b>	<b>96</b>	<b>34</b>
	Oct 2022	188	24	22	26	14	6
	Nov 2022	195	34	15	18	10	5
	Dec 2022	234	51	30	37	19	5
	Jan 2023	281	51	19	24	12	5
	Feb 2023	248	46	11	14	7	4
	Mar 2023	260	18	12	16	9	4
	<b>Winter 2023</b>	<b>1146</b>	<b>205</b>	<b>97</b>	<b>120</b>	<b>61</b>	<b>24</b>

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

April 2021 24-Month Study

Most Probable Inflow\*

## Flood Control Criteria - Beginning of Month Conditions



— BUREAU OF —  
RECLAMATION

Date	Flaming Gorge	Blue Mesa	Navajo	Lake Powell	Upper Basin Total	Lake Mead	Total	Flaming Gorge	Blue Mesa	Navajo	Tot or Max Allow	Lake Powell	Lake Mead	BOM Space Required	Mead Sched Rel	Mead FC Rel	Sys Cont	
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF	
<b>*** PREDICTED SPACE ***</b>								<b>*** EFFECTIVE SPACE ***</b>										
Apr 2021	802	431	659	15478	17369	17242	34611	267	180	255	702	15478	17242	33423	1500	1023	0	25.8
May 2021	765	433	635	15788	17620	17588	35208	224	180	208	611	15788	17588	33987	1500	1018	0	25.7
Jun 2021	708	367	563	15766	17404	17966	35370	156	101	98	356	15766	17966	34088	1500	950	0	26.0
Jul 2021	608	258	532	15357	16755	18295	35050	46	-21	12	37	15357	18295	33688	1500	855	0	25.6
<b>*** CREDITABLE SPACE ***</b>								<b>*** EFFECTIVE SPACE ***</b>										
Aug 2021	578	274	579	15602	17034	18411	35444	578	274	579	1432	15602	18411	35444	1500	802	0	25.0
Sep 2021	637	306	613	16020	17576	18433	36009	637	306	613	1556	16020	18433	36009	2270	701	0	24.4
Oct 2021	703	348	627	16294	17972	18521	36494	703	348	627	1678	16294	18521	36494	3040	591	0	24.0
Nov 2021	728	390	621	16389	18128	18632	36760	728	390	621	1739	16389	18632	36760	3810	631	0	23.8
Dec 2021	738	379	620	16515	18251	18738	36990	738	379	620	1736	16515	18738	36990	4580	519	0	23.8
Jan 2022	772	370	619	16734	18495	18639	37134	772	370	619	1761	16734	18639	37134	5350	528	0	23.7
<b>*** EFFECTIVE SPACE ***</b>								<b>*** EFFECTIVE SPACE ***</b>										
Jan 2022	772	370	619	16734	18495	18639	37134	491	336	526	1354	16734	18639	36727	5350	528	0	23.7
Feb 2022	799	363	620	17066	18848	18403	37251	516	329	527	1372	17066	18403	36841	1500	569	0	23.6
Mar 2022	817	356	612	17297	19081	18280	37360	531	323	518	1371	17297	18280	36948	1500	913	0	23.5
Apr 2022	797	338	558	17423	19115	18441	37556	506	305	457	1269	17423	18441	37132	1500	997	0	23.4
May 2022	747	297	485	17296	18825	18787	37612	450	265	361	1076	17296	18787	37159	1500	970	0	24.5
Jun 2022	602	278	349	16158	17387	19146	36533	293	232	186	711	16158	19146	36015	1500	927	0	26.0
Jul 2022	441	92	262	14833	15627	19472	35099	115	22	44	182	14833	19472	34487	1500	818	0	26.0
<b>*** CREDITABLE SPACE ***</b>								<b>*** EFFECTIVE SPACE ***</b>										
Aug 2022	344	63	278	14798	15483	19601	35085	344	63	278	686	14798	19601	35085	1500	786	0	25.6
Sep 2022	382	74	304	15046	15806	19643	35449	382	74	304	760	15046	19643	35449	2270	701	0	25.2
Oct 2022	446	102	311	15152	16011	19778	35788	446	102	311	858	15152	19778	35788	3040	547	0	24.9
Nov 2022	471	129	296	15150	16046	19844	35891	471	129	296	896	15150	19844	35891	3810	663	0	24.7
Dec 2022	524	148	293	15156	16121	19980	36101	524	148	293	965	15156	19980	36101	4580	556	0	24.6
Jan 2023	641	222	293	15222	16377	19915	36292	641	222	293	1155	15222	19915	36292	5350	519	0	24.6
<b>*** EFFECTIVE SPACE ***</b>								<b>*** EFFECTIVE SPACE ***</b>										
Jan 2023	641	222	293	15222	16377	19915	36292	371	192	55	618	15222	19915	35755	5350	519	0	24.6
Feb 2023	751	262	294	15431	16738	19669	36407	482	233	56	771	15431	19669	35870	1500	552	0	24.5
Mar 2023	844	275	286	15572	16977	19527	36504	574	246	47	867	15572	19527	35967	1500	897	0	24.3

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