

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 January 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 initial water year release volume of 8.23 maf and the potential for an April adjustment to equalization or balancing releases in April 2020. Based on the most probable inflow forecast, this January 24-Month Study projects an annual release of 8.23 maf in 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/g4000/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 December was 0.353 maf or 97 percent of the 30-year average from 1981 to 2010. The January unregulated inflow forecast for Lake Powell is 0.320 maf or 89 percent of the 30-year average. The 2020 April through July unregulated inflow forecast is 5.900 maf or 82 percent of average.

In this study, the calendar year 2020 diversion for Metropolitan Water District of Southern California (MWD) is forecasted to be 0.700 maf. The calendar year 2020 diversion for the Central Arizona Project (CAP) is forecasted to be 1.358 maf. Consumptive use for Nevada above Hoover (SNWP Use) is forecasted to be 0.244 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

## January 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)
* Jan 2019	28	1	61	0	61	6476.81	150
H Feb 2019	26	0	55	1	56	6470.41	120
I Mar 2019	37	0	61	0	61	6464.13	95
S Apr 2019	114	1	71	0	71	6474.10	137
T May 2019	167	1	98	0	98	6486.46	204
O Jun 2019	337	2	107	171	278	6494.89	261
R Jul 2019	184	3	86	39	125	6502.48	317
I Aug 2019	57	2	74	0	74	6499.98	298
C Sep 2019	41	2	19	47	66	6496.36	271
<b>WY 2019</b>	<b>1101</b>	<b>15</b>	<b>799</b>	<b>278</b>	<b>1077</b>		
A Oct 2019	51	1	61	7	68	6493.83	253
L Nov 2019	47	1	63	0	63	6491.39	236
* Dec 2019	36	1	65	0	65	6487.01	208
Jan 2020	32	1	65	0	65	6481.55	175
Feb 2020	30	1	60	0	60	6475.62	145
Mar 2020	48	0	63	0	63	6472.23	129
Apr 2020	75	1	71	0	71	6472.89	132
May 2020	125	1	86	0	86	6480.50	170
Jun 2020	245	2	103	4	107	6500.86	305
Jul 2020	125	3	102	9	111	6502.30	316
Aug 2020	60	2	78	0	78	6499.61	296
Sep 2020	45	2	20	45	65	6496.58	274
<b>WY 2020</b>	<b>919</b>	<b>15</b>	<b>837</b>	<b>66</b>	<b>903</b>		
Oct 2020	48	1	66	0	66	6493.88	254
Nov 2020	42	1	64	0	64	6490.56	232
Dec 2020	32	1	66	0	66	6485.16	197
Jan 2021	30	1	66	0	66	6478.82	161
Feb 2021	28	0	60	0	60	6472.05	128
Mar 2021	53	0	69	0	69	6468.13	111
Apr 2021	85	1	79	0	79	6469.47	117
May 2021	164	1	91	0	91	6483.69	188
Jun 2021	299	2	103	82	185	6500.10	300
Jul 2021	178	3	101	42	144	6504.11	331
Aug 2021	77	2	82	0	82	6503.08	323
Sep 2021	46	2	20	58	77	6498.71	289
<b>WY 2021</b>	<b>1081</b>	<b>15</b>	<b>868</b>	<b>182</b>	<b>1050</b>		
Oct 2021	49	1	74	0	74	6495.07	263
Nov 2021	42	1	60	0	60	6492.49	245
Dec 2021	32	1	61	0	61	6487.92	215

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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)
* Jan 2019	34	68	2	124	0	124	129	6026.01	3198	154
H Feb 2019	34	63	2	112	0	112	127	6024.69	3149	143
I Mar 2019	74	99	3	58	0	58	128	6025.67	3185	128
S Apr 2019	240	198	5	71	0	71	133	6028.79	3303	341
T May 2019	252	183	8	99	0	99	136	6030.71	3376	568
O Jun 2019	460	400	11	215	100	315	139	6032.55	3448	950
R Jul 2019	227	169	14	100	0	100	141	6033.89	3502	376
I Aug 2019	59	76	13	109	0	109	139	6032.79	3458	151
C Sep 2019	49	74	11	113	0	113	137	6031.57	3410	134
<b>WY 2019</b>	<b>1553</b>	<b>1529</b>	<b>82</b>	<b>1315</b>	<b>100</b>	<b>1415</b>				<b>3351</b>
A Oct 2019	53	70	7	80	0	80	136	6031.13	3393	109
L Nov 2019	63	79	4	81	0	81	136	6030.99	3387	115
* Dec 2019	43	72	2	132	0	132	134	6029.43	3327	166
Jan 2020	43	76	2	132	0	132	132	6027.96	3271	156
Feb 2020	46	76	2	124	0	124	130	6026.70	3223	148
Mar 2020	100	115	3	114	0	114	130	6026.66	3222	189
Apr 2020	130	126	5	110	0	110	130	6026.95	3233	295
May 2020	210	171	8	74	0	74	134	6029.22	3319	574
Jun 2020	330	192	10	224	0	224	132	6028.16	3278	714
Jul 2020	160	146	14	80	0	80	134	6029.49	3329	155
Aug 2020	70	88	13	97	0	97	133	6028.96	3309	118
Sep 2020	52	72	11	113	0	113	131	6027.65	3259	128
<b>WY 2020</b>	<b>1300</b>	<b>1284</b>	<b>81</b>	<b>1360</b>	<b>0</b>	<b>1360</b>				<b>2866</b>
Oct 2020	57	75	7	83	0	83	131	6027.27	3245	111
Nov 2020	50	72	3	74	0	74	130	6027.13	3240	104
Dec 2020	35	69	2	97	0	97	129	6026.37	3211	122
Jan 2021	40	76	2	97	0	97	128	6025.79	3190	122
Feb 2021	45	77	2	87	0	87	128	6025.46	3177	115
Mar 2021	102	119	3	92	0	92	129	6026.06	3200	169
Apr 2021	134	127	5	89	0	89	130	6026.92	3232	304
May 2021	245	173	8	74	0	74	134	6029.21	3319	606
Jun 2021	390	276	10	237	75	313	132	6028.02	3273	733
Jul 2021	210	176	14	88	0	88	135	6029.91	3345	188
Aug 2021	89	94	13	99	0	99	134	6029.48	3329	124
Sep 2021	55	87	11	107	0	107	133	6028.68	3298	126
<b>WY 2021</b>	<b>1451</b>	<b>1421</b>	<b>80</b>	<b>1225</b>	<b>75</b>	<b>1301</b>				<b>2824</b>
Oct 2021	59	84	7	80	0	80	133	6028.59	3295	113
Nov 2021	51	69	3	83	0	83	132	6028.13	3277	115
Dec 2021	35	64	2	123	0	123	130	6026.59	3219	148

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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)
* Jan 2019	4	3	9302.92	59
H Feb 2019	3	3	9303.16	60
I Mar 2019	5	4	9303.75	60
S Apr 2019	10	7	9306.14	64
T May 2019	21	26	9302.64	59
O Jun 2019	68	38	9320.92	89
R Jul 2019	47	32	9328.49	103
I Aug 2019	15	24	9323.77	94
C Sep 2019	7	20	9316.42	81
<b>WY 2019</b>	<b>191</b>	<b>168</b>		
A Oct 2019	7	11	9314.38	77
L Nov 2019	5	6	9313.69	76
* Dec 2019	5	6	9313.35	75
Jan 2020	5	6	9312.44	74
Feb 2020	4	6	9311.49	72
Mar 2020	4	6	9310.16	70
Apr 2020	6	6	9310.19	70
May 2020	25	13	9317.24	82
Jun 2020	38	22	9325.86	98
Jul 2020	16	22	9322.98	92
Aug 2020	9	19	9317.42	82
Sep 2020	7	18	9311.05	72
<b>WY 2020</b>	<b>131</b>	<b>140</b>		
Oct 2020	6	7	9310.52	71
Nov 2020	5	5	9310.50	71
Dec 2020	5	5	9310.17	70
Jan 2021	4	5	9309.64	69
Feb 2021	4	5	9309.07	68
Mar 2021	4	5	9308.58	68
Apr 2021	9	10	9307.78	66
May 2021	28	14	9316.49	81
Jun 2021	42	20	9328.12	102
Jul 2021	20	24	9326.42	99
Aug 2021	10	19	9321.86	90
Sep 2021	7	18	9316.22	80
<b>WY 2021</b>	<b>145</b>	<b>137</b>		
Oct 2021	7	12	9313.38	75
Nov 2021	5	5	9313.41	75
Dec 2021	5	5	9313.10	75

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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)
* Jan 2019	20	20	0	17	0	17	7438.40	252
H Feb 2019	20	20	0	23	0	23	7437.59	248
I Mar 2019	28	27	0	25	0	25	7438.01	250
S Apr 2019	121	118	0	33	0	33	7453.91	335
T May 2019	214	218	1	86	18	105	7471.68	447
O Jun 2019	471	444	1	124	70	194	7504.14	696
R Jul 2019	282	266	2	87	51	138	7518.61	823
I Aug 2019	92	100	1	76	62	137	7514.39	784
C Sep 2019	32	45	1	45	47	93	7508.84	736
<b>WY 2019</b>	<b>1344</b>	<b>1320</b>	<b>7</b>	<b>601</b>	<b>260</b>	<b>859</b>		
A Oct 2019	28	32	1	82	3	85	7502.51	682
L Nov 2019	31	32	0	72	0	72	7497.65	642
* Dec 2019	29	30	0	84	0	84	7490.79	588
Jan 2020	25	27	0	62	0	62	7486.22	552
Feb 2020	23	25	0	40	0	40	7484.14	537
Mar 2020	37	39	0	21	24	44	7483.43	531
Apr 2020	65	65	1	67	0	67	7483.10	529
May 2020	175	163	1	162	0	162	7483.11	529
Jun 2020	250	234	1	56	0	56	7505.33	706
Jul 2020	100	106	1	101	0	101	7505.71	709
Aug 2020	51	61	1	103	0	103	7500.60	666
Sep 2020	37	48	1	75	0	75	7497.12	638
<b>WY 2020</b>	<b>851</b>	<b>861</b>	<b>8</b>	<b>923</b>	<b>27</b>	<b>950</b>		
Oct 2020	38	38	1	61	0	61	7494.19	614
Nov 2020	31	31	0	19	0	19	7495.65	626
Dec 2020	26	26	0	57	0	57	7491.74	595
Jan 2021	24	25	0	43	0	43	7489.38	577
Feb 2021	22	23	0	43	0	43	7486.76	556
Mar 2021	36	37	0	0	45	45	7485.57	547
Apr 2021	77	78	1	0	57	57	7488.21	567
May 2021	221	207	1	6	31	37	7508.83	736
Jun 2021	261	239	1	166	0	166	7516.98	808
Jul 2021	117	120	2	97	0	97	7519.30	829
Aug 2021	63	72	1	108	0	108	7515.24	792
Sep 2021	38	48	1	82	0	82	7511.29	757
<b>WY 2021</b>	<b>954</b>	<b>946</b>	<b>9</b>	<b>683</b>	<b>134</b>	<b>818</b>		
Oct 2021	38	43	1	84	0	84	7506.53	716
Nov 2021	31	31	0	62	0	62	7502.83	685
Dec 2021	26	26	0	104	0	104	7493.26	607

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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)
* Jan 2019	21	17	1	17	18	0	18	7147.00	107
H Feb 2019	20	23	0	24	23	0	23	7147.57	107
I Mar 2019	29	25	1	26	26	0	26	7146.90	107
S Apr 2019	136	33	15	47	41	0	41	7155.16	113
T May 2019	240	105	25	130	127	0	131	7154.68	113
O Jun 2019	512	194	41	235	186	0	234	7155.10	113
R Jul 2019	295	138	13	150	151	0	151	7154.18	112
I Aug 2019	93	137	2	139	137	0	139	7153.99	112
C Sep 2019	32	93	1	93	60	0	96	7151.09	110
<b>WY 2019</b>	<b>1446</b>	<b>859</b>	<b>102</b>	<b>961</b>	<b>858</b>	<b>0</b>	<b>949</b>		
A Oct 2019	29	85	1	86	78	0	89	7147.93	107
L Nov 2019	32	72	1	72	71	0	71	7149.15	108
* Dec 2019	30	84	1	85	85	0	85	7149.15	108
Jan 2020	27	62	2	64	65	0	65	7147.94	107
Feb 2020	26	40	3	43	43	0	43	7147.94	107
Mar 2020	41	44	4	48	48	0	48	7147.94	107
Apr 2020	75	67	10	77	77	0	77	7147.94	107
May 2020	195	162	20	182	182	0	182	7147.94	107
Jun 2020	270	56	20	76	76	0	76	7147.94	107
Jul 2020	105	101	5	106	106	0	106	7147.94	107
Aug 2020	54	103	3	106	106	0	106	7147.94	107
Sep 2020	39	75	2	77	77	0	77	7147.94	107
<b>WY 2020</b>	<b>923</b>	<b>950</b>	<b>72</b>	<b>1022</b>	<b>1013</b>	<b>0</b>	<b>1024</b>		
Oct 2020	40	61	2	63	63	0	63	7147.94	107
Nov 2020	33	19	2	21	21	0	21	7147.94	107
Dec 2020	28	57	2	59	59	0	59	7147.94	107
Jan 2021	27	43	2	46	46	0	46	7147.94	107
Feb 2021	25	43	3	46	46	0	46	7147.94	107
Mar 2021	40	45	4	49	49	0	49	7147.94	107
Apr 2021	88	57	11	69	69	0	69	7147.94	107
May 2021	247	37	26	63	63	0	63	7147.94	107
Jun 2021	281	166	20	186	186	0	186	7147.94	107
Jul 2021	123	97	6	104	104	0	104	7147.94	107
Aug 2021	67	108	3	111	111	0	111	7147.94	107
Sep 2021	41	82	3	85	85	0	85	7147.94	107
<b>WY 2021</b>	<b>1039</b>	<b>818</b>	<b>84</b>	<b>902</b>	<b>902</b>	<b>0</b>	<b>902</b>		
Oct 2021	41	84	3	86	86	0	86	7147.94	107
Nov 2021	33	62	2	64	64	0	64	7147.94	107
Dec 2021	28	104	2	106	106	0	106	7147.94	107

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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)
* Jan 2019	25	18	4	22	19	3	22	6746.57	15	1	20
H Feb 2019	24	23	3	27	9	17	26	6748.26	16	1	25
I Mar 2019	34	26	5	32	30	0	30	6752.77	17	0	29
S Apr 2019	150	41	15	55	55	0	55	6753.29	17	26	29
T May 2019	264	131	24	155	108	31	153	6759.30	19	47	105
O Jun 2019	558	234	46	280	115	73	282	6753.12	17	51	231
R Jul 2019	321	151	26	177	121	57	178	6746.79	15	59	124
I Aug 2019	98	139	5	144	119	28	147	6733.35	12	64	87
C Sep 2019	36	96	4	99	94	0	95	6750.61	16	61	33
<b>WY 2019</b>	<b>1587</b>	<b>949</b>	<b>142</b>	<b>1091</b>	<b>768</b>	<b>210</b>	<b>1087</b>			<b>344</b>	<b>747</b>
A Oct 2019	33	89	3	92	92	0	92	6749.75	16	64	29
L Nov 2019	35	71	4	75	76	0	76	6746.90	15	2	72
* Dec 2019	34	85	4	89	89	0	89	6746.40	15	0	86
Jan 2020	31	65	4	69	68	0	68	6749.63	16	0	68
Feb 2020	29	43	3	46	46	0	46	6749.63	16	0	46
Mar 2020	46	48	5	53	53	0	53	6749.63	16	5	48
Apr 2020	85	77	10	87	87	0	87	6749.63	16	42	45
May 2020	225	182	30	212	136	76	212	6749.63	16	62	150
Jun 2020	305	76	35	111	111	0	111	6749.63	16	61	50
Jul 2020	110	106	5	111	111	0	111	6749.63	16	65	46
Aug 2020	62	106	8	114	114	0	114	6749.63	16	65	49
Sep 2020	43	77	4	81	81	0	81	6749.63	16	55	26
<b>WY 2020</b>	<b>1038</b>	<b>1024</b>	<b>116</b>	<b>1140</b>	<b>1063</b>	<b>77</b>	<b>1140</b>			<b>421</b>	<b>714</b>
Oct 2020	44	63	5	68	68	0	68	6749.63	16	30	38
Nov 2020	37	21	4	25	25	0	25	6749.63	16	0	25
Dec 2020	32	59	5	64	64	0	64	6749.63	16	0	64
Jan 2021	31	46	5	50	50	0	50	6749.63	16	0	50
Feb 2021	29	46	4	50	0	50	50	6749.63	16	0	50
Mar 2021	46	49	6	56	47	9	56	6749.63	16	5	51
Apr 2021	101	69	12	81	81	0	81	6749.63	16	42	39
May 2021	281	63	34	98	98	0	98	6749.63	16	62	36
Jun 2021	315	186	34	220	132	88	220	6749.63	16	61	159
Jul 2021	138	104	14	118	118	0	118	6749.63	16	65	53
Aug 2021	75	111	8	119	119	0	119	6749.63	16	65	54
Sep 2021	47	85	6	91	91	0	91	6749.63	16	55	36
<b>WY 2021</b>	<b>1176</b>	<b>902</b>	<b>138</b>	<b>1040</b>	<b>893</b>	<b>146</b>	<b>1040</b>			<b>385</b>	<b>655</b>
Oct 2021	47	86	6	92	92	0	92	6749.63	16	30	62
Nov 2021	38	64	5	69	69	0	69	6749.63	16	0	69
Dec 2021	32	106	5	111	111	0	111	6749.63	16	0	111

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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)
*	Jan 2019	4	0	7625.50	37
H	Feb 2019	4	0	7627.67	41
I	Mar 2019	6	6	7627.39	40
S	Apr 2019	32	25	7631.32	47
T	May 2019	58	41	7640.08	64
O	Jun 2019	160	101	7664.36	124
R	Jul 2019	69	68	7664.45	124
I	Aug 2019	20	38	7657.21	105
C	Sep 2019	8	33	7646.82	79
<b>WY 2019</b>		<b>378</b>	<b>316</b>		
A	Oct 2019	4	13	7643.13	71
L	Nov 2019	4	2	7644.14	73
*	Dec 2019	4	2	7645.07	75
	Jan 2020	4	2	7645.77	77
	Feb 2020	3	2	7646.28	78
	Mar 2020	5	2	7647.55	81
	Apr 2020	15	2	7652.92	94
	May 2020	50	31	7660.11	113
	Jun 2020	70	57	7664.82	125
	Jul 2020	25	41	7658.38	108
	Aug 2020	15	38	7649.07	85
	Sep 2020	14	29	7642.26	69
<b>WY 2020</b>		<b>213</b>	<b>220</b>		
	Oct 2020	14	16	7640.84	66
	Nov 2020	8	2	7643.41	72
	Dec 2020	6	2	7645.37	76
	Jan 2021	5	2	7646.88	80
	Feb 2021	5	2	7648.15	83
	Mar 2021	9	2	7650.90	89
	Apr 2021	23	2	7659.33	111
	May 2021	71	58	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
<b>WY 2021</b>		<b>278</b>	<b>266</b>		
	Oct 2021	16	17	7645.52	77
	Nov 2021	9	2	7648.18	83
	Dec 2021	6	2	7650.04	87

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 2020 24-Month Study

Most Probable Inflow\*

### Navajo Reservoir



BUREAU OF RECLAMATION

Date	Mod Unreg Inflow (1000 Ac-Ft)	Azetea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
* Jan 2019	13	0	10	0	0	19	6015.33	869	31
H Feb 2019	17	0	14	1	1	16	6014.90	865	37
I Mar 2019	114	1	113	1	4	18	6024.61	955	62
S Apr 2019	230	24	203	2	20	20	6040.36	1117	102
T May 2019	270	34	215	3	25	25	6054.45	1279	139
O Jun 2019	491	57	376	4	36	114	6071.44	1501	386
R Jul 2019	171	26	142	5	47	60	6073.56	1531	228
I Aug 2019	40	6	52	4	42	78	6068.40	1459	104
C Sep 2019	3	0	29	3	29	67	6063.13	1388	71
<b>WY 2019</b>	<b>1401</b>	<b>150</b>	<b>1188</b>	<b>26</b>	<b>211</b>	<b>483</b>			<b>1264</b>
A Oct 2019	6	0	15	2	6	33	6061.08	1362	46
L Nov 2019	15	0	13	1	0	25	6060.04	1348	45
* Dec 2019	16	0	14	1	0	36	6058.25	1326	59
Jan 2020	16	0	14	1	0	23	6057.48	1316	33
Feb 2020	20	0	19	1	0	20	6057.29	1314	29
Mar 2020	55	3	49	2	6	22	6058.90	1334	37
Apr 2020	115	12	89	2	21	27	6061.94	1373	67
May 2020	215	27	169	4	36	31	6069.29	1471	151
Jun 2020	180	22	145	5	53	30	6073.39	1528	165
Jul 2020	40	1	55	5	57	31	6070.76	1491	86
Aug 2020	28	1	49	4	48	47	6067.14	1441	76
Sep 2020	30	1	44	3	26	73	6062.79	1384	98
<b>WY 2020</b>	<b>736</b>	<b>68</b>	<b>675</b>	<b>29</b>	<b>253</b>	<b>397</b>			<b>892</b>
Oct 2020	37	2	38	2	9	31	6062.53	1380	55
Nov 2020	30	0	24	1	0	30	6062.02	1374	47
Dec 2020	25	0	21	1	0	31	6061.17	1363	46
Jan 2021	22	0	18	1	0	31	6060.16	1350	44
Feb 2021	30	0	27	1	0	28	6060.01	1348	40
Mar 2021	92	9	77	2	6	31	6063.03	1387	53
Apr 2021	170	21	128	3	22	30	6068.58	1461	82
May 2021	277	37	227	4	37	187	6068.60	1461	333
Jun 2021	224	29	195	4	53	277	6057.90	1321	428
Jul 2021	66	5	74	4	57	47	6055.09	1287	114
Aug 2021	45	2	61	3	48	31	6053.35	1265	69
Sep 2021	43	2	54	3	26	30	6052.94	1261	62
<b>WY 2021</b>	<b>1062</b>	<b>106</b>	<b>944</b>	<b>27</b>	<b>258</b>	<b>781</b>			<b>1374</b>
Oct 2021	47	2	46	2	9	31	6053.35	1265	59
Nov 2021	34	0	27	1	0	30	6053.05	1262	48
Dec 2021	25	0	21	1	0	31	6052.15	1251	46

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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)
* Jan 2019	212	303	7	804	0	804	3576.34	4824	9629	815
H Feb 2019	255	339	7	730	0	730	3571.89	4795	9261	741
I Mar 2019	625	574	11	791	0	791	3569.28	4778	9049	798
S Apr 2019	1242	899	18	720	0	720	3571.12	4790	9198	734
T May 2019	2511	1980	23	720	0	720	3584.65	4881	10343	752
O Jun 2019	4206	3583	41	765	0	765	3611.82	5087	12914	807
R Jul 2019	2451	2015	57	857	0	857	3621.60	5168	13933	896
I Aug 2019	472	608	58	900	0	900	3618.55	5143	13610	932
C Sep 2019	143	379	52	687	0	687	3615.36	5116	13277	703
<b>WY 2019</b>	<b>12951</b>	<b>11787</b>	<b>356</b>	<b>8924</b>	<b>77</b>	<b>9001</b>				<b>9242</b>
A Oct 2019	265	397	35	625	0	625	3612.99	5096	13034	633
L Nov 2019	404	466	34	626	0	626	3611.23	5082	12855	630
* Dec 2019	353	506	27	750	0	750	3608.74	5062	12604	756
Jan 2020	320	453	8	760	0	760	3605.80	5039	12312	771
Feb 2020	360	455	9	675	0	675	3603.64	5022	12100	684
Mar 2020	560	556	15	700	0	700	3602.12	5010	11953	714
Apr 2020	840	767	23	630	0	630	3603.21	5018	12059	645
May 2020	1700	1430	28	630	0	630	3610.43	5076	12774	641
Jun 2020	2400	2024	47	650	0	650	3622.25	5174	14003	661
Jul 2020	960	929	59	750	0	750	3623.29	5183	14115	769
Aug 2020	400	547	58	835	0	835	3620.29	5157	13794	852
Sep 2020	375	544	53	599	0	599	3619.35	5149	13695	612
<b>WY 2020</b>	<b>8936</b>	<b>9076</b>	<b>396</b>	<b>8230</b>	<b>0</b>	<b>8230</b>				<b>8367</b>
Oct 2020	484	539	37	640	0	640	3618.14	5139	13567	650
Nov 2020	460	472	35	640	0	640	3616.34	5124	13379	641
Dec 2020	363	462	28	720	0	720	3613.78	5103	13115	726
Jan 2021	361	446	8	860	0	860	3609.93	5072	12723	871
Feb 2021	393	455	9	750	0	750	3607.11	5049	12441	759
Mar 2021	665	617	15	800	0	800	3605.25	5034	12258	814
Apr 2021	1056	893	24	710	0	710	3606.75	5046	12406	725
May 2021	2343	1972	29	710	0	710	3617.95	5137	13547	721
Jun 2021	2666	2629	50	750	0	750	3633.43	5273	15241	761
Jul 2021	1091	992	63	850	0	850	3634.07	5279	15314	869
Aug 2021	500	590	63	900	0	900	3631.03	5251	14969	917
Sep 2021	408	519	57	670	0	670	3629.31	5236	14776	684
<b>WY 2021</b>	<b>10790</b>	<b>10586</b>	<b>418</b>	<b>9000</b>	<b>0</b>	<b>9000</b>				<b>9138</b>
Oct 2021	512	574	39	640	0	640	3628.43	5228	14678	650
Nov 2021	473	533	38	640	0	640	3627.22	5217	14544	641
Dec 2021	363	535	30	720	0	720	3625.41	5201	14345	726

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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)
* Jan 2019	804	106	30	487	7.9	8	486	682	1085.75	10493
H Feb 2019	730	126	28	621	11.2	6	620	694	1087.97	10682
I Mar 2019	791	200	32	738	12.0	13	737	707	1090.24	10878
S Apr 2019	720	118	39	902	15.2	15	900	700	1088.95	10767
T May 2019	720	108	45	989	16.1	18	988	686	1086.48	10555
O Jun 2019	765	69	54	912	15.3	27	911	676	1084.71	10405
R Jul 2019	857	20	67	946	15.4	33	946	666	1082.82	10246
I Aug 2019	900	64	71	802	13.0	34	801	669	1083.45	10299
C Sep 2019	687	58	59	696	11.7	30	690	667	1083.00	10261
<b>WY 2019</b>	<b>9001</b>	<b>1087</b>	<b>547</b>	<b>8892</b>		<b>234</b>	<b>8868</b>			
A Oct 2019	625	34	43	626	10.2	25	621	665	1082.61	10228
L Nov 2019	626	116	40	575	9.7	13	538	672	1083.85	10333
* Dec 2019	750	117	37	220	3.6	6	214	708	1090.49	10899
Jan 2020	760	83	31	397	6.5	9	397	733	1094.85	11280
Feb 2020	675	91	29	504	8.8	9	504	747	1097.26	11491
Mar 2020	700	57	33	935	15.2	14	935	733	1094.86	11280
Apr 2020	630	49	40	1016	17.1	21	1016	709	1090.57	10906
May 2020	630	30	45	984	16.0	28	984	685	1086.21	10532
Jun 2020	650	17	54	946	15.9	29	946	663	1082.19	10193
Jul 2020	750	80	67	835	13.6	29	835	656	1081.05	10098
Aug 2020	835	100	71	781	12.7	30	781	660	1081.65	10148
Sep 2020	599	91	58	720	12.1	25	720	653	1080.37	10041
<b>WY 2020</b>	<b>8230</b>	<b>864</b>	<b>548</b>	<b>8541</b>		<b>236</b>	<b>8493</b>			
Oct 2020	640	82	42	515	8.4	24	515	661	1081.94	10173
Nov 2020	640	54	43	637	10.7	16	637	661	1081.93	10171
Dec 2020	720	51	37	459	7.5	10	459	677	1084.89	10420
Jan 2021	860	83	31	520	8.5	9	520	701	1089.11	10780
Feb 2021	750	91	28	519	9.3	9	519	718	1092.21	11048
Mar 2021	800	57	32	983	16.0	14	983	708	1090.35	10887
Apr 2021	710	49	39	1019	17.1	21	1019	688	1086.84	10586
May 2021	710	30	45	998	16.2	29	998	668	1083.16	10275
Jun 2021	750	17	53	951	16.0	29	951	652	1080.16	10024
Jul 2021	850	80	66	823	13.4	29	823	652	1080.29	10035
Aug 2021	900	100	71	777	12.6	30	777	660	1081.67	10150
Sep 2021	670	91	58	714	12.0	25	714	658	1081.26	10116
<b>WY 2021</b>	<b>9000</b>	<b>784</b>	<b>546</b>	<b>8914</b>		<b>245</b>	<b>8914</b>			
Oct 2021	640	82	43	515	8.4	24	515	666	1082.83	10247
Nov 2021	640	54	43	646	10.9	16	646	665	1082.71	10237
Dec 2021	720	51	37	478	7.8	11	478	680	1085.45	10467

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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)
* Jan 2019	487	-29	10	418	0	418	6.8	641.89	1668
H Feb 2019	621	-6	10	569	0	569	10.2	643.20	1704
I Mar 2019	738	7	13	749	0	749	12.2	642.57	1687
S Apr 2019	902	0	17	886	0	886	14.9	642.52	1686
T May 2019	989	-9	22	937	0	937	15.2	643.32	1707
O Jun 2019	912	-12	25	886	0	886	14.9	642.89	1696
R Jul 2019	946	-11	25	895	0	894	14.5	643.48	1712
I Aug 2019	802	-11	23	800	0	800	13.0	642.31	1680
C Sep 2019	696	-17	18	767	0	767	12.9	638.35	1573
<b>WY 2019</b>	<b>8892</b>	<b>-142</b>	<b>198</b>	<b>8538</b>	<b>0</b>	<b>8539</b>			
A Oct 2019	626	-24	15	589	0	589	9.6	638.28	1572
L Nov 2019	575	-4	11	457	0	457	7.7	642.13	1675
* Dec 2019	220	0	9	247	0	247	4.0	640.77	1638
Jan 2020	397	-16	10	343	0	343	5.6	641.80	1666
Feb 2020	504	-13	10	475	0	475	8.3	642.00	1671
Mar 2020	935	-15	13	878	0	878	14.3	643.05	1700
Apr 2020	1016	-17	17	985	0	985	16.5	643.00	1699
May 2020	984	-11	22	951	0	951	15.5	643.00	1699
Jun 2020	946	-16	25	904	0	904	15.2	643.00	1699
Jul 2020	835	-12	25	825	0	825	13.4	642.00	1671
Aug 2020	781	-11	23	747	0	747	12.1	642.00	1671
Sep 2020	720	-12	18	744	0	744	12.5	640.01	1618
<b>WY 2020</b>	<b>8541</b>	<b>-153</b>	<b>198</b>	<b>8145</b>	<b>0</b>	<b>8145</b>			
Oct 2020	515	-4	15	680	0	680	11.1	633.00	1434
Nov 2020	637	-19	10	556	0	556	9.3	635.00	1486
Dec 2020	459	-12	9	319	0	319	5.2	639.51	1604
Jan 2021	520	-16	10	432	0	432	7.0	641.80	1666
Feb 2021	519	-13	10	495	0	495	8.9	641.80	1666
Mar 2021	983	-15	13	920	0	920	15.0	643.05	1700
Apr 2021	1019	-17	17	987	0	987	16.6	643.00	1699
May 2021	998	-11	22	964	0	964	15.7	643.00	1699
Jun 2021	951	-16	25	910	0	910	15.3	643.00	1699
Jul 2021	823	-12	25	813	0	813	13.2	642.00	1671
Aug 2021	777	-11	23	743	0	743	12.1	642.00	1671
Sep 2021	714	-12	18	737	0	737	12.4	640.01	1618
<b>WY 2021</b>	<b>8914</b>	<b>-159</b>	<b>197</b>	<b>8557</b>	<b>0</b>	<b>8557</b>			
Oct 2021	515	-4	15	680	0	680	11.1	633.00	1434
Nov 2021	646	-19	10	565	0	565	9.5	635.00	1486
Dec 2021	478	-12	9	338	0	338	5.5	639.51	1604

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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)
* Jan 2019	418	19	6	250	4.1	87	91	446.58	553	122	2.0
H Feb 2019	569	13	8	372	6.7	31	151	447.53	571	143	2.6
I Mar 2019	749	-5	9	630	10.2	11	83	447.86	577	185	3.0
S Apr 2019	886	6	11	712	12.0	28	144	447.29	567	170	2.9
T May 2019	937	8	13	693	11.3	51	154	448.62	592	128	2.1
O Jun 2019	886	11	15	717	12.0	53	104	448.47	589	138	2.3
R Jul 2019	894	15	17	739	12.0	59	92	448.12	582	146	2.4
I Aug 2019	800	15	17	636	10.3	67	102	447.22	565	111	1.8
C Sep 2019	767	26	15	514	8.6	61	160	449.03	600	103	1.7
<b>WY 2019</b>	<b>8539</b>	<b>173</b>	<b>140</b>	<b>6231</b>		<b>690</b>	<b>1571</b>			<b>1515</b>	
A Oct 2019	589	18	12	430	7.0	30	151	447.77	576	68	1.1
L Nov 2019	457	23	9	300	5.0	16	125	449.10	601	118	2.0
* Dec 2019	247	17	7	159	2.6	46	72	448.16	583	109	1.8
Jan 2020	343	18	6	281	4.6	14	87	446.50	552	100	1.6
Feb 2020	475	11	8	389	6.8	1	82	446.50	552	126	2.2
Mar 2020	878	5	9	653	10.6	45	163	446.70	555	167	2.7
Apr 2020	985	12	11	699	11.7	81	157	448.70	593	153	2.6
May 2020	951	13	13	696	11.3	77	165	448.70	593	125	2.0
Jun 2020	904	11	16	715	12.0	76	96	448.70	593	139	2.3
Jul 2020	825	19	17	701	11.4	77	50	448.00	580	150	2.4
Aug 2020	747	20	17	621	10.1	77	50	447.50	571	114	1.9
Sep 2020	744	14	15	530	8.9	68	135	447.50	570	110	1.9
<b>WY 2020</b>	<b>8145</b>	<b>181</b>	<b>140</b>	<b>6174</b>		<b>610</b>	<b>1333</b>			<b>1478</b>	
Oct 2020	680	24	12	459	7.5	61	166	447.50	571	69	1.1
Nov 2020	556	14	9	354	6.0	61	141	447.50	571	88	1.5
Dec 2020	319	22	7	221	3.6	62	66	446.50	552	93	1.5
Jan 2021	432	18	6	259	4.2	90	91	446.50	552	102	1.7
Feb 2021	495	11	8	391	7.0	17	84	446.50	552	127	2.3
Mar 2021	920	5	9	648	10.5	86	170	446.70	555	167	2.7
Apr 2021	987	12	11	694	11.7	83	163	448.70	593	152	2.6
May 2021	964	13	13	705	11.5	74	172	448.70	593	127	2.1
Jun 2021	910	11	16	720	12.1	72	99	448.70	593	141	2.4
Jul 2021	813	19	17	689	11.2	74	52	448.00	580	152	2.5
Aug 2021	743	20	17	618	10.0	74	52	447.50	571	117	1.9
Sep 2021	737	14	15	529	8.9	56	140	447.50	570	113	1.9
<b>WY 2021</b>	<b>8557</b>	<b>182</b>	<b>139</b>	<b>6289</b>		<b>810</b>	<b>1395</b>			<b>1450</b>	
Oct 2021	680	24	12	470	7.6	42	173	447.50	571	73	1.2
Nov 2021	565	14	9	358	6.0	41	166	447.50	571	91	1.5
Dec 2021	338	22	7	237	3.9	42	88	446.50	552	96	1.6

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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
* Jan 2019	487	7.9	1085.75	10493	361	442.10	1006.1	183.4	63	376.8
H Feb 2019	621	11.2	1087.97	10682	189	443.82	1119.0	246.4	70	396.7
I Mar 2019	738	12.0	1090.24	10878	195	444.26	1112.0	295.7	70	400.6
S Apr 2019	902	15.2	1088.95	10767	-111	439.99	810.1	365.4	51	405.2
T May 2019	989	16.1	1086.48	10555	-211	440.79	803.9	398.2	51	402.5
O Jun 2019	912	15.3	1084.71	10405	-150	439.38	1591.0	359.0	100	393.7
R Jul 2019	946	15.4	1082.82	10246	-159	435.56	1486.0	371.7	93	392.7
I Aug 2019	802	13.0	1083.45	10299	53	439.02	1297.0	313.5	81	390.9
C Sep 2019	696	11.7	1083.00	10261	-38	439.88	1494.1	267.4	93	384.4
<b>WY 2019</b>	<b>8877</b>							<b>3494.1</b>		
A Oct 2019	626	10.2	1082.61	10228	-33	439.17	1198.0	241.9	74	386.2
L Nov 2019	575	9.7	1083.85	10333	104	438.74	1192.0	221.9	75	386.0
* Dec 2019	220	3.6	1090.49	10899	567	448.42	838.0	81.6	52	371.4
Jan 2020	397	6.5	1094.85	11280	381	443.48	1152.1	154.9	70	390.1
Feb 2020	504	8.8	1097.26	11491	211	447.80	943.1	201.0	57	398.9
Mar 2020	935	15.2	1094.86	11280	-211	446.19	1127.0	383.7	68	410.2
Apr 2020	1016	17.1	1090.57	10906	-374	440.74	1365.9	406.8	85	400.2
May 2020	984	16.0	1086.21	10532	-374	435.50	1493.9	383.5	94	389.6
Jun 2020	946	15.9	1082.19	10193	-340	430.68	1562.0	369.9	100	391.0
Jul 2020	835	13.6	1081.05	10098	-95	428.45	1562.0	326.1	100	390.5
Aug 2020	781	12.7	1081.65	10148	51	428.51	1562.0	302.8	100	387.9
Sep 2020	720	12.1	1080.37	10041	-107	428.82	1562.0	278.1	100	386.1
<b>WY 2020</b>	<b>8541</b>							<b>3352.3</b>		
Oct 2020	515	8.4	1081.94	10173	131	434.72	1066.0	204.0	68	395.9
Nov 2020	637	10.7	1081.93	10171	-1	437.79	1066.0	250.3	68	393.0
Dec 2020	459	7.5	1084.89	10420	249	437.14	1075.0	180.3	68	392.9
Jan 2021	520	8.5	1089.11	10780	360	438.48	1088.0	207.6	68	399.2
Feb 2021	519	9.3	1092.21	11048	268	442.10	994.0	205.9	61	397.1
Mar 2021	983	16.0	1090.35	10887	-162	439.65	1374.9	395.1	85	402.0
Apr 2021	1019	17.1	1086.84	10586	-301	436.35	1395.0	403.3	88	395.7
May 2021	998	16.2	1083.16	10275	-311	432.80	1368.9	388.6	88	389.5
Jun 2021	951	16.0	1080.16	10024	-250	428.17	1567.3	370.1	100	389.0
Jul 2021	823	13.4	1080.29	10035	11	427.07	1568.1	319.8	100	388.7
Aug 2021	777	12.6	1081.67	10150	115	428.15	1575.8	301.1	100	387.3
Sep 2021	714	12.0	1081.26	10116	-34	429.27	1573.5	275.5	100	386.1
<b>WY 2021</b>	<b>8914</b>							<b>3501.5</b>		
Oct 2021	515	8.4	1082.83	10247	131	435.61	1070.3	204.3	68	396.6
Nov 2021	646	10.9	1082.71	10237	-10	438.61	1069.9	254.8	68	394.4
Dec 2021	478	7.8	1085.45	10467	231	437.80	1079.2	189.0	68	395.2

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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
*	Jan 2019	418	6.8	641.89	1668	30	143.26	159.6	56.8	63	135.8
H	Feb 2019	569	10.2	643.20	1704	36	144.69	209.5	68.8	82	120.9
I	Mar 2019	749	12.2	642.57	1687	-17	140.17	218.8	94.8	86	126.6
S	Apr 2019	886	14.9	642.52	1686	-1	142.03	210.8	111.9	83	126.3
T	May 2019	937	15.2	643.32	1707	22	139.79	238.6	119.5	94	127.6
O	Jun 2019	886	14.9	642.89	1696	-12	140.50	255.0	113.6	100	128.3
R	Jul 2019	895	14.5	643.48	1712	16	142.50	255.0	113.2	100	126.5
I	Aug 2019	800	13.0	642.31	1680	-32	139.60	255.0	101.8	100	127.3
C	Sep 2019	767	12.9	638.35	1573	-107	137.20	255.0	96.0	100	125.1
<b>WY 2019</b>		<b>8538</b>							<b>1079.9</b>		
A	Oct 2019	589	9.6	638.28	1572	-2	138.85	243.5	73.2	95	124.4
L	Nov 2019	457	7.7	642.13	1675	103	143.18	153.0	55.6	60	121.7
*	Dec 2019	247	4.0	640.77	1638	-37	141.96	156.3	30.5	61	123.7
	Jan 2020	343	5.6	641.80	1666	28	141.40	164.5	43.7	65	127.4
	Feb 2020	475	8.3	642.00	1671	5	140.78	209.5	60.3	82	126.8
	Mar 2020	878	14.3	643.05	1700	29	139.03	218.8	110.0	86	125.3
	Apr 2020	985	16.5	643.00	1699	-1	138.75	214.2	123.1	84	125.0
	May 2020	951	15.5	643.00	1699	0	139.09	238.6	119.1	94	125.3
	Jun 2020	904	15.2	643.00	1699	0	139.18	255.0	113.4	100	125.4
	Jul 2020	825	13.4	642.00	1671	-27	139.31	255.0	103.6	100	125.5
	Aug 2020	747	12.1	642.00	1671	0	139.29	255.0	93.7	100	125.5
	Sep 2020	744	12.5	640.01	1618	-54	138.16	255.0	92.6	100	124.5
<b>WY 2020</b>		<b>8145</b>							<b>1018.9</b>		
	Oct 2020	680	11.1	633.00	1434	-183	134.22	243.5	82.3	95	120.9
	Nov 2020	556	9.3	635.00	1486	51	132.42	153.0	66.4	60	119.3
	Dec 2020	319	5.2	639.51	1604	118	137.56	156.3	39.5	61	123.9
	Jan 2021	432	7.0	641.80	1666	62	140.09	156.3	54.5	61	126.2
	Feb 2021	495	8.9	641.80	1666	0	140.40	156.5	62.7	61	126.5
	Mar 2021	920	15.0	643.05	1700	34	138.69	194.1	115.0	76	124.9
	Apr 2021	987	16.6	643.00	1699	-1	138.74	249.9	123.4	98	125.0
	May 2021	964	15.7	643.00	1699	0	139.02	255.0	120.7	100	125.2
	Jun 2021	910	15.3	643.00	1699	0	139.15	255.0	114.1	100	125.4
	Jul 2021	813	13.2	642.00	1671	-27	139.39	255.0	102.1	100	125.6
	Aug 2021	743	12.1	642.00	1671	0	139.31	255.0	93.3	100	125.5
	Sep 2021	737	12.4	640.01	1618	-54	138.21	255.0	91.7	100	124.5
<b>WY 2021</b>		<b>8557</b>							<b>1065.6</b>		
	Oct 2021	680	11.1	633.00	1434	-183	134.22	227.0	82.2	89	120.9
	Nov 2021	565	9.5	635.00	1486	51	132.36	159.8	67.4	63	119.2
	Dec 2021	338	5.5	639.51	1604	118	137.41	154.7	41.9	61	123.8

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 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
* Jan 2019	250	4.1	446.58	553	1	82.75	117.1	17.0	98	68.2
H Feb 2019	372	6.7	447.53	571	18	81.87	95.4	25.5	79	68.6
I Mar 2019	630	10.2	447.86	577	6	82.11	111.3	44.3	93	70.4
S Apr 2019	712	12.0	447.29	567	-11	79.40	115.0	49.5	96	69.5
T May 2019	673	11.3	448.62	592	25	80.51	119.0	48.6	99	72.2
O Jun 2019	717	12.0	448.47	589	-3	80.43	120.0	50.3	100	70.2
R Jul 2019	739	12.0	448.12	582	-7	80.11	120.0	51.4	100	69.5
I Aug 2019	636	10.3	447.22	565	-17	77.13	120.0	44.3	100	69.7
C Sep 2019	514	8.6	449.03	600	34	83.07	120.0	35.9	100	69.8
<b>WY 2019</b>	<b>6211</b>							<b>433.7</b>		
A Oct 2019	430	7.0	447.77	576	-24	83.21	90.0	30.2	75	70.1
L Nov 2019	300	5.0	449.10	601	25	84.29	92.0	20.2	77	67.2
* Dec 2019	159	2.6	448.16	583	-18	81.68	100.6	9.4	84	59.3
Jan 2020	281	4.6	446.50	552	-31	76.08	91.0	17.9	76	63.7
Feb 2020	389	6.8	446.50	552	0	75.04	95.4	25.1	79	64.6
Mar 2020	653	10.6	446.70	555	4	74.39	111.3	42.6	93	65.1
Apr 2020	699	11.7	448.70	593	38	75.17	118.0	46.1	98	65.9
May 2020	696	11.3	448.70	593	0	76.09	119.0	46.3	99	66.5
Jun 2020	715	12.0	448.70	593	0	76.05	120.0	47.6	100	66.6
Jul 2020	701	11.4	448.00	580	-13	75.71	120.0	46.4	100	66.2
Aug 2020	621	10.1	447.50	571	-9	75.13	120.0	40.7	100	65.5
Sep 2020	530	8.9	447.50	570	0	74.89	120.0	34.5	100	65.1
<b>WY 2020</b>	<b>6174</b>							<b>406.9</b>		
Oct 2020	459	7.5	447.50	571	0	76.29	90.0	30.2	75	65.9
Nov 2020	354	6.0	447.50	571	0	76.19	92.0	23.0	77	65.0
Dec 2020	221	3.6	446.50	552	-19	75.27	100.6	13.7	84	61.8
Jan 2021	259	4.2	446.50	552	0	75.07	94.8	16.2	79	62.7
Feb 2021	391	7.0	446.50	552	0	75.16	93.1	25.4	78	64.9
Mar 2021	648	10.5	446.70	555	4	74.01	120.0	42.0	100	64.8
Apr 2021	694	11.7	448.70	593	38	75.08	120.0	45.7	100	65.8
May 2021	705	11.5	448.70	593	0	76.05	120.0	46.9	100	66.5
Jun 2021	720	12.1	448.70	593	0	76.05	120.0	48.0	100	66.6
Jul 2021	689	11.2	448.00	580	-13	75.71	120.0	45.6	100	66.2
Aug 2021	618	10.0	447.50	571	-9	75.13	120.0	40.5	100	65.5
Sep 2021	529	8.9	447.50	570	0	74.89	120.0	34.5	100	65.1
<b>WY 2021</b>	<b>6289</b>							<b>411.6</b>		
Oct 2021	470	7.6	447.50	571	0	76.29	90.0	31.0	75	66.0
Nov 2021	358	6.0	447.50	571	0	76.19	92.0	23.3	77	65.0
Dec 2021	237	3.9	446.50	552	-19	74.86	109.4	14.7	91	62.0

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 2020 24-Month Study

Most Probable Inflow\*

### Upper Basin Power



— BUREAU OF —  
RECLAMATION

Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
* Jan 2019	335	47	4	6	1	4
H Feb 2019	302	42	6	8	1	3
I Mar 2019	325	22	6	9	4	3
<b>Winter 2019</b>	<b>1790</b>	<b>233</b>	<b>36</b>	<b>51</b>	<b>19</b>	<b>24</b>
S Apr 2019	294	27	9	14	10	4
T May 2019	299	38	23	45	21	6
O Jun 2019	332	82	33	64	22	8
R Jul 2019	391	39	28	54	23	7
I Aug 2019	412	42	24	49	22	7
C Sep 2019	312	44	15	22	18	2
<b>Summer 2019</b>	<b>2041</b>	<b>273</b>	<b>131</b>	<b>248</b>	<b>115</b>	<b>34</b>
A Oct 2019	281	31	26	27	18	5
L Nov 2019	280	31	22	25	14	5
* Dec 2019	336	51	26	30	17	5
Jan 2020	322	48	18	23	11	5
Feb 2020	285	45	12	15	8	4
Mar 2020	294	42	6	17	9	4
<b>Winter 2020</b>	<b>1798</b>	<b>249</b>	<b>110</b>	<b>137</b>	<b>78</b>	<b>29</b>
Apr 2020	264	40	19	27	15	5
May 2020	267	27	47	65	23	6
Jun 2020	281	82	17	27	19	9
Jul 2020	328	29	31	38	19	10
Aug 2020	365	35	32	38	19	7
Sep 2020	260	41	23	27	14	2
<b>Summer 2020</b>	<b>1765</b>	<b>255</b>	<b>168</b>	<b>222</b>	<b>109</b>	<b>38</b>
Oct 2020	278	30	18	23	12	6
Nov 2020	277	27	6	7	4	5
Dec 2020	310	35	17	21	11	5
Jan 2021	368	35	13	16	9	5
Feb 2021	319	32	13	16	0	4
Mar 2021	338	34	0	18	8	4
<b>Winter 2021</b>	<b>1889</b>	<b>194</b>	<b>67</b>	<b>101</b>	<b>44</b>	<b>30</b>
Apr 2021	300	33	0	24	14	5
May 2021	304	27	2	23	17	7
Jun 2021	329	87	52	66	22	9
Jul 2021	379	32	31	37	20	10
Aug 2021	400	36	34	40	20	8
Sep 2021	297	39	26	30	15	2
<b>Summer 2021</b>	<b>2010</b>	<b>255</b>	<b>144</b>	<b>220</b>	<b>109</b>	<b>40</b>
Oct 2021	283	29	26	31	16	7
Nov 2021	282	31	19	23	12	5
Dec 2021	316	45	31	38	19	5

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## January 2020 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 Total	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	KAF	KAF	
****PREDICTED SPACE****								****EFFECTIVE SPACE****											
Jan 2020	558	242	370	11718	12889	16478	29366	558	242	370	1171	11718	16478	29366	5350	397	0	31.3	
Jan 2020	558	242	370	11718	12889	16478	29366	162	144	357	663	11718	16478	28859	5350	397	0	31.3	
Feb 2020	648	277	380	12010	13315	16097	29411	251	181	366	798	12010	16097	28905	1500	504	0	31.2	
Mar 2020	726	293	382	12222	13623	15886	29508	329	198	368	894	12222	15886	29001	1500	935	0	30.9	
Apr 2020	743	298	362	12369	13772	16097	29869	343	205	340	888	12369	16097	29353	1500	1016	0	30.7	
May 2020	729	301	323	12263	13616	16471	30087	323	206	278	807	12263	16471	29540	1500	984	0	31.3	
Jun 2020	606	301	225	11548	12680	16845	29524	187	193	139	519	11548	16845	28912	1500	946	0	32.5	
Jul 2020	510	124	168	10319	11121	17184	28305	80	-1	25	104	10319	17184	27607	1500	835	0	32.5	
****CREDITABLE SPACE****								****EFFECTIVE SPACE****											
Aug 2020	448	120	205	10207	10981	17279	28260	448	120	205	774	10207	17279	28260	1500	781	0	32.1	
Sep 2020	489	163	255	10528	11435	17229	28663	489	163	255	907	10528	17229	28663	2270	720	0	31.7	
Oct 2020	561	192	312	10627	11692	17336	29028	561	192	312	1065	10627	17336	29028	3040	515	0	31.4	
Nov 2020	595	215	316	10755	11881	17204	29085	595	215	316	1126	10755	17204	29085	3810	637	0	31.3	
Dec 2020	623	203	322	10943	12091	17206	29297	623	203	322	1149	10943	17206	29297	4580	459	0	31.3	
Jan 2021	686	235	333	11207	12461	16957	29418	686	235	333	1254	11207	16957	29418	5350	520	0	31.2	
****EFFECTIVE SPACE****								****CREDITABLE SPACE****											
Jan 2021	686	235	333	11207	12461	16957	29418	325	235	116	676	11207	16957	28840	5350	520	0	31.2	
Feb 2021	744	253	346	11599	12942	16597	29539	382	253	129	763	11599	16597	28959	1500	519	0	31.1	
Mar 2021	789	273	348	11881	13291	16329	29619	425	273	130	827	11881	16329	29037	1500	983	0	30.8	
Apr 2021	783	282	309	12064	13438	16490	29928	414	282	84	780	12064	16490	29334	1500	1019	0	30.9	
May 2021	746	262	235	11916	13159	16791	29950	370	262	-15	617	11916	16791	29324	1500	998	0	32.0	
Jun 2021	587	94	235	10775	11691	17102	28793	199	94	-55	238	10775	17102	28115	1500	951	0	33.5	
Jul 2021	521	22	375	9081	9999	17353	27352	123	19	27	169	9081	17353	26602	1500	823	0	33.6	
****CREDITABLE SPACE****								****EFFECTIVE SPACE****											
Aug 2021	418	1	409	9008	9837	17342	27179	418	1	409	828	9008	17342	27179	1500	777	0	33.3	
Sep 2021	443	37	431	9353	10264	17227	27491	443	37	431	911	9353	17227	27491	2270	714	0	32.9	
Oct 2021	506	72	435	9546	10561	17261	27822	506	72	435	1014	9546	17261	27822	3040	515	0	32.7	
Nov 2021	536	113	431	9644	10724	17130	27854	536	113	431	1080	9644	17130	27854	3810	646	0	32.5	
Dec 2021	572	145	434	9778	10929	17140	28069	572	145	434	1151	9778	17140	28069	4580	478	0	32.5	

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