

To: All Annual Operating Plan Recipients

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In addition to the December 2021 24-Month Study based on the Most Probable inflow scenario, and in accordance with the Upper Basin Drought Response Operations Agreement (DROA), Reclamation has conducted model runs in December to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. The Probable Minimum inflow scenario reflects a dry hydrologic condition which statistically would be exceeded 90% of the time. The Most Probable inflow scenario reflects a median hydrologic condition which statistically would be exceeded 50% of the time. The Probable Maximum inflow scenario reflects a wet hydrologic condition which statistically would be exceeded 10% of the time. There is approximately an 80% probability that a future elevation will fall inside the range of the minimum and maximum inflow scenarios. Additionally, there are possible inflow scenarios that would result in reservoir elevations falling outside the ranges indicated in these reports.

The projected Lake Powell and Lake Mead elevations resulting from these three inflow scenarios are summarized in graphs located at either of the following links:

<https://www.usbr.gov/uc/water/crsp/studies/images/PowellElevations.pdf>, or
<https://www.usbr.gov/lc/region/g4000/24mo/2021/December-Chart.pdf>.

The water year 2022 unregulated inflow in the Probable Maximum inflow scenario is 11.66 maf, or 121% of average. Consistent with the Interim Guidelines, the December Probable Maximum 24-Month Study includes a release volume from Glen Canyon Dam of 7.48 maf in water year 2022 and water year 2023. Under the probable maximum scenario, Lake Powell's elevation is projected to be 3,574.14 feet on December 31, 2022. With intervening flows between Lake Powell and Lake Mead of 0.994 maf in calendar year 2022, Lake Mead's elevation is projected to be 1,054.78 feet on December 31, 2022.

The 2021 AOP is available online at: <https://www.usbr.gov/lc/region/g4000/aop/AOP21.pdf>.
The Draft 2022 AOP is available online at: https://www.usbr.gov/lc/region/g4000/AOP2022/2022AOP_2021-11-03_Post-Final-Consultation.pdf
The Interim Guidelines are available online at: <https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.
The Colorado River DCPs are available online at: <https://www.usbr.gov/dcp/finaldocs.html>.
The Upper Basin Hydrology Summary is available online at: https://www.usbr.gov/uc/water/crsp/studies/24Month_12_ucb.pdf.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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)
* Dec 2020	27	1	50	1	51	6483.85	180
H Jan 2021	25	1	48	2	51	6479.03	153
I Feb 2021	24	0	46	0	46	6474.49	132
S Mar 2021	40	0	51	0	51	6472.03	121
T Apr 2021	54	1	49	0	49	6473.03	125
O May 2021	76	1	49	0	49	6478.67	152
R Jun 2021	143	2	42	0	42	6494.76	251
I Jul 2021	45	2	43	0	43	6494.70	250
C Aug 2021	35	2	41	0	41	6493.52	242
A Sep 2021	26	2	36	0	36	6491.82	230
WY 2021	561	14	471	94	566		
L Oct 2021	37	1	33	4	37	6491.62	229
* Nov 2021	39	1	43	0	43	6491.01	225
Dec 2021	28	1	51	0	51	6487.47	210
Jan 2022	25	1	51	0	51	6483.19	184
Feb 2022	22	1	46	0	46	6478.80	160
Mar 2022	72	1	61	0	61	6480.72	170
Apr 2022	108	1	13	76	89	6483.88	188
May 2022	251	2	106	48	154	6497.97	283
Jun 2022	444	3	101	327	428	6499.74	296
Jul 2022	272	3	102	138	240	6503.59	326
Aug 2022	90	2	84	0	84	6504.13	330
Sep 2022	48	2	36	35	71	6500.87	305
WY 2022	1436	16	725	629	1355		
Oct 2022	52	1	74	0	74	6497.76	282
Nov 2022	46	1	73	0	73	6493.88	254
Dec 2022	33	1	75	0	75	6487.53	211
Jan 2023	33	1	75	0	75	6480.27	168
Feb 2023	30	0	68	0	68	6472.55	129
Mar 2023	64	0	79	0	79	6468.96	114
Apr 2023	97	1	84	0	84	6471.90	127
May 2023	225	1	99	0	99	6493.52	251
Jun 2023	406	2	103	254	357	6499.96	298
Jul 2023	224	3	102	90	192	6503.81	327
Aug 2023	80	2	77	0	77	6503.82	328
Sep 2023	46	2	66	0	66	6501.04	306
WY 2023	1335	15	975	344	1319		
Oct 2023	44	1	68	0	68	6497.75	281
Nov 2023	42	1	65	0	65	6494.41	257

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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)
*	Dec 2020	24	48	2	62	0	62	127	6024.91	3157	88
H	Jan 2021	31	57	2	62	0	62	127	6024.75	3151	88
I	Feb 2021	31	52	2	56	0	56	127	6024.59	3145	79
S	Mar 2021	68	79	3	52	0	52	127	6025.21	3168	96
T	Apr 2021	72	67	5	51	0	51	128	6025.49	3178	112
O	May 2021	96	72	8	95	0	95	127	6024.69	3149	296
R	Jun 2021	148	46	10	80	0	80	125	6023.52	3106	205
I	Jul 2021	48	43	12	65	0	65	124	6022.61	3073	80
C	Aug 2021	44	50	12	98	0	98	121	6021.02	3016	111
A	Sep 2021	27	37	10	96	0	96	119	6019.15	2950	107
	WY 2021	650	657	77	835	0	835				1430
L	Oct 2021	49	50	7	77	0	77	117	6018.23	2918	107
*	Nov 2021	47	49	3	51	0	51	117	6018.09	2913	87
	Dec 2021	30	53	2	52	0	52	117	6018.06	2912	73
	Jan 2022	32	58	2	52	0	52	117	6018.17	2915	71
	Feb 2022	31	55	2	47	0	47	118	6018.32	2921	67
	Mar 2022	145	134	3	52	0	52	121	6020.48	2997	121
	Apr 2022	165	146	5	51	0	51	124	6022.92	3084	269
	May 2022	349	252	7	229	0	229	125	6023.34	3099	775
	Jun 2022	570	554	10	179	0	179	139	6032.60	3450	739
	Jul 2022	346	314	14	98	0	98	147	6037.40	3644	275
	Aug 2022	102	96	14	110	0	110	145	6036.75	3617	137
	Sep 2022	60	83	12	110	0	110	144	6035.83	3580	133
	WY 2022	1925	1844	80	1108	0	1108				2855
	Oct 2022	65	87	8	101	0	101	143	6035.30	3558	135
	Nov 2022	56	83	4	125	0	125	141	6034.23	3515	157
	Dec 2022	36	78	2	191	0	191	137	6031.45	3405	215
	Jan 2023	43	86	2	191	0	191	133	6028.80	3303	216
	Feb 2023	48	85	2	172	0	172	129	6026.54	3217	198
	Mar 2023	121	136	3	172	0	172	128	6025.53	3180	255
	Apr 2023	147	134	5	150	0	150	127	6024.98	3160	396
	May 2023	324	198	8	76	0	76	132	6027.93	3270	695
	Jun 2023	530	481	11	283	59	342	137	6031.15	3393	888
	Jul 2023	269	237	14	78	0	78	142	6034.65	3532	204
	Aug 2023	91	89	13	100	0	100	141	6034.07	3509	127
	Sep 2023	55	75	12	100	0	100	140	6033.17	3473	122
	WY 2023	1785	1769	82	1738	59	1798				3607
	Oct 2023	52	75	8	66	0	66	140	6033.20	3474	92
	Nov 2023	49	72	4	57	0	57	140	6033.50	3486	86

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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)
*	Dec 2020	4	5	9307.73	66
H	Jan 2021	4	5	9306.89	65
I	Feb 2021	3	5	9305.99	64
S	Mar 2021	4	5	9304.90	62
T	Apr 2021	7	5	9305.94	64
O	May 2021	16	10	9310.13	70
R	Jun 2021	24	16	9314.87	78
I	Jul 2021	11	16	9311.57	72
C	Aug 2021	7	15	9306.36	64
A	Sep 2021	4	10	9302.48	59
WY 2021		92	102		
L	Oct 2021	5	5	9302.69	59
*	Nov 2021	4	4	9302.58	59
	Dec 2021	4	5	9301.87	58
	Jan 2022	3	5	9301.01	57
	Feb 2022	3	4	9299.99	55
	Mar 2022	5	5	9299.97	55
	Apr 2022	10	15	9295.93	50
	May 2022	30	21	9302.85	59
	Jun 2022	55	27	9319.92	87
	Jul 2022	31	27	9322.03	91
	Aug 2022	12	24	9315.53	79
	Sep 2022	8	18	9309.27	69
WY 2022		169	159		
	Oct 2022	7	9	9308.05	67
	Nov 2022	5	6	9307.56	66
	Dec 2022	5	6	9306.70	65
	Jan 2023	5	6	9305.81	63
	Feb 2023	4	6	9304.77	62
	Mar 2023	5	6	9303.88	61
	Apr 2023	10	15	9300.39	56
	May 2023	30	21	9306.63	65
	Jun 2023	51	27	9321.21	89
	Jul 2023	24	27	9319.57	86
	Aug 2023	11	24	9311.92	73
	Sep 2023	8	18	9305.41	63
WY 2023		165	171		
	Oct 2023	7	9	9303.79	60
	Nov 2023	5	5	9304.00	61

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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)
*	Dec 2020	21	22	0	21	0	21	7464.73	397
H	Jan 2021	22	23	0	19	0	19	7465.24	400
I	Feb 2021	20	22	0	21	0	21	7465.37	401
S	Mar 2021	29	30	0	32	0	32	7465.07	399
T	Apr 2021	47	46	1	79	0	79	7459.68	365
O	May 2021	90	83	1	96	2	98	7457.14	350
R	Jun 2021	127	119	1	77	0	77	7463.84	391
I	Jul 2021	53	58	1	98	0	98	7457.21	350
C	Aug 2021	45	53	1	93	0	93	7450.20	310
A	Sep 2021	19	25	1	94	0	94	7436.58	241
	WY 2021	518	528	6	713	2	715		
L	Oct 2021	27	26	0	58	0	58	7429.52	209
*	Nov 2021	27	27	0	16	0	16	7431.94	220
	Dec 2021	19	20	0	17	0	17	7432.51	222
	Jan 2022	18	19	0	18	0	18	7432.86	224
	Feb 2022	16	17	0	14	0	14	7433.47	227
	Mar 2022	37	37	0	17	0	17	7437.61	246
	Apr 2022	91	96	0	37	0	37	7449.22	305
	May 2022	242	233	1	191	9	200	7454.96	337
	Jun 2022	346	318	1	61	0	61	7491.96	593
	Jul 2022	173	169	1	75	0	75	7503.27	686
	Aug 2022	69	81	1	87	0	87	7502.38	678
	Sep 2022	39	49	1	85	0	85	7498.00	642
	WY 2022	1103	1093	7	676	9	685		
	Oct 2022	39	41	1	78	0	78	7493.43	605
	Nov 2022	31	32	0	17	0	17	7495.18	619
	Dec 2022	26	28	0	65	0	65	7490.52	582
	Jan 2023	25	26	0	68	0	68	7485.05	540
	Feb 2023	23	25	0	62	0	62	7480.10	503
	Mar 2023	40	42	0	63	0	63	7477.13	481
	Apr 2023	93	98	1	81	0	81	7479.47	498
	May 2023	246	237	1	202	34	236	7479.51	498
	Jun 2023	334	310	1	197	49	246	7487.89	561
	Jul 2023	140	143	1	97	0	97	7493.59	606
	Aug 2023	69	83	1	78	0	78	7494.08	610
	Sep 2023	41	51	1	76	0	76	7490.86	584
	WY 2023	1110	1116	8	1082	83	1165		
	Oct 2023	36	38	1	70	0	70	7486.66	552
	Nov 2023	31	31	0	15	0	15	7488.63	567

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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)
*	Dec 2020	24	21	3	24	23	0	23	7148.38	108
H	Jan 2021	23	19	1	21	23	0	23	7145.78	106
I	Feb 2021	21	21	1	22	21	0	21	7146.38	106
S	Mar 2021	30	32	1	33	35	0	35	7143.99	104
T	Apr 2021	49	79	1	81	82	0	82	7141.50	103
O	May 2021	93	98	4	102	91	0	91	7155.08	113
R	Jun 2021	132	77	4	81	85	0	85	7150.02	109
I	Jul 2021	54	98	1	99	97	0	97	7152.51	111
C	Aug 2021	46	93	1	93	94	0	94	7150.92	110
A	Sep 2021	19	94	0	94	93	0	93	7152.50	111
	WY 2021	539	715	21	736	734	0	734		
L	Oct 2021	27	58	1	59	61	0	61	7149.67	109
*	Nov 2021	30	16	3	19	17	0	17	7151.77	110
	Dec 2021	20	17	1	18	17	0	17	7153.73	112
	Jan 2022	19	18	1	19	19	0	19	7153.73	112
	Feb 2022	18	14	2	16	16	0	16	7153.73	112
	Mar 2022	40	17	3	20	20	0	20	7153.73	112
	Apr 2022	101	37	10	47	47	0	47	7153.73	112
	May 2022	267	200	25	225	225	0	225	7153.73	112
	Jun 2022	371	61	25	86	86	0	86	7153.72	112
	Jul 2022	181	75	8	83	83	0	83	7153.73	112
	Aug 2022	72	87	3	90	90	0	90	7153.73	112
	Sep 2022	41	85	2	87	86	0	86	7153.73	112
	WY 2022	1187	685	84	769	767	0	767		
	Oct 2022	41	78	2	79	79	0	79	7153.73	112
	Nov 2022	33	17	2	19	19	0	19	7153.73	112
	Dec 2022	28	65	1	66	66	0	66	7153.73	112
	Jan 2023	26	68	1	70	70	0	70	7153.73	112
	Feb 2023	25	62	1	63	63	0	63	7153.73	112
	Mar 2023	43	63	3	66	66	0	66	7153.73	112
	Apr 2023	105	81	12	92	92	0	92	7153.73	112
	May 2023	274	236	28	264	264	0	264	7153.73	112
	Jun 2023	358	246	23	269	269	0	269	7153.72	112
	Jul 2023	147	97	7	104	104	0	104	7153.73	112
	Aug 2023	71	78	2	79	79	0	79	7153.73	112
	Sep 2023	43	76	1	77	77	0	77	7153.73	112
	WY 2023	1193	1165	84	1249	1248	0	1248		
	Oct 2023	37	70	1	72	72	0	72	7153.73	112
	Nov 2023	32	15	1	16	16	0	16	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum Probable Inflow*

Crystal Reservoir



— BUREAU OF —
RECLAMATION

		Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage	Tunnel Flow	Below Tunnel Flow
	Date	(1000 Ac-Ft)	(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)	(1000 Ac-Ft)
*	Dec 2020	27	23	2	26	25	0	26	6751.57	17	1	24
H	Jan 2021	25	23	2	25	25	0	25	6748.38	16	0	24
I	Feb 2021	24	21	2	23	23	0	23	6748.83	16	0	22
S	Mar 2021	32	35	2	37	37	0	37	6748.74	16	11	25
T	Apr 2021	54	82	6	88	86	0	87	6752.67	17	51	36
O	May 2021	103	91	10	101	100	1	100	6753.35	17	64	37
R	Jun 2021	140	85	9	94	94	0	94	6751.32	16	62	33
I	Jul 2021	60	97	6	103	103	0	103	6750.41	16	65	41
C	Aug 2021	52	94	6	100	100	0	100	6751.69	17	65	38
A	Sep 2021	23	93	3	96	95	0	96	6752.92	17	61	36
	WY 2021	591	734	52	785	762	22	784			423	365
L	Oct 2021	32	61	5	66	34	32	66	6752.35	17	41	25
*	Nov 2021	34	17	4	21	22	0	22	6749.65	16	1	20
	Dec 2021	23	17	3	20	19	0	19	6753.04	17	0	19
	Jan 2022	22	19	3	22	22	0	22	6753.04	17	0	22
	Feb 2022	21	16	3	19	19	0	19	6753.04	17	0	19
	Mar 2022	46	20	6	26	26	0	26	6753.04	17	5	21
	Apr 2022	114	47	13	60	60	0	60	6753.04	17	42	18
	May 2022	308	225	41	266	134	132	266	6753.04	17	62	204
	Jun 2022	422	86	52	138	130	8	138	6753.03	17	61	77
	Jul 2022	206	83	25	108	108	0	108	6753.04	17	65	43
	Aug 2022	81	90	8	98	98	0	98	6753.04	17	65	33
	Sep 2022	47	86	6	92	92	0	92	6753.04	17	55	37
	WY 2022	1356	767	169	936	764	172	936			396	538
	Oct 2022	47	79	5	85	85	0	85	6753.04	17	55	30
	Nov 2022	37	19	5	24	0	24	24	6753.04	17	0	24
	Dec 2022	32	66	5	70	70	0	70	6753.04	17	0	70
	Jan 2023	30	70	4	74	74	0	74	6753.04	17	0	74
	Feb 2023	29	63	4	67	67	0	67	6753.04	17	0	67
	Mar 2023	50	66	7	72	72	0	72	6753.04	17	5	67
	Apr 2023	117	92	12	104	104	0	104	6753.04	17	42	62
	May 2023	308	264	34	298	134	163	298	6753.04	17	62	236
	Jun 2023	398	269	40	309	130	179	309	6753.03	17	61	248
	Jul 2023	163	104	16	120	120	0	120	6753.04	17	65	55
	Aug 2023	79	79	8	87	87	0	87	6753.04	17	65	22
	Sep 2023	49	77	6	83	83	0	83	6753.04	17	55	28
	WY 2023	1339	1248	146	1393	1027	366	1393			410	983
	Oct 2023	43	72	6	78	52	25	78	6753.04	17	55	23
	Nov 2023	37	16	5	21	21	0	21	6753.04	17	0	21

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum Probable Inflow*

Vallecito Reservoir



— BUREAU OF —
RECLAMATION

	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Dec 2020	3	0	7624.62	36
H Jan 2021	3	0	7626.24	38
I Feb 2021	3	0	7627.63	41
S Mar 2021	4	0	7629.73	44
T Apr 2021	14	1	7636.28	57
O May 2021	50	30	7645.56	77
R Jun 2021	44	39	7647.63	81
I Jul 2021	19	36	7639.49	63
C Aug 2021	13	34	7628.72	43
A Sep 2021	7	26	7615.74	24
WY 2021	166	169		
L Oct 2021	8	3	7619.62	29
* Nov 2021	5	2	7621.90	32
Dec 2021	4	2	7623.37	34
Jan 2022	4	2	7624.76	36
Feb 2022	4	2	7625.87	38
Mar 2022	8	2	7629.36	44
Apr 2022	22	2	7639.44	63
May 2022	58	31	7651.20	90
Jun 2022	70	43	7661.75	117
Jul 2022	30	42	7657.16	105
Aug 2022	16	38	7648.13	83
Sep 2022	15	30	7641.35	67
WY 2022	242	196		
Oct 2022	14	17	7639.73	64
Nov 2022	8	2	7642.71	70
Dec 2022	6	2	7644.71	75
Jan 2023	6	2	7646.32	78
Feb 2023	5	2	7647.78	82
Mar 2023	11	2	7651.49	91
Apr 2023	28	2	7661.57	116
May 2023	78	70	7664.34	124
Jun 2023	84	82	7665.04	126
Jul 2023	33	43	7661.03	115
Aug 2023	20	38	7653.86	97
Sep 2023	19	30	7649.46	86
WY 2023	312	290		
Oct 2023	13	17	7647.56	81
Nov 2023	9	2	7650.49	88

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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)
*	Dec 2020	10	0	7	1	0	22	6036.88	1079	33
H	Jan 2021	12	0	10	1	0	24	6035.47	1065	33
I	Feb 2021	13	0	11	1	1	22	6034.25	1052	32
S	Mar 2021	23	1	19	1	4	24	6033.31	1042	32
T	Apr 2021	82	13	57	2	20	32	6033.54	1045	31
O	May 2021	169	25	124	3	34	26	6039.27	1105	65
R	Jun 2021	103	18	78	4	44	21	6040.14	1114	89
I	Jul 2021	24	2	40	4	45	35	6035.96	1070	57
C	Aug 2021	5	1	24	3	39	41	6030.18	1010	48
A	Sep 2021	-2	0	17	2	25	50	6024.10	951	49
	WY 2021	463	60	406	23	222	360			549
L	Oct 2021	22	0	17	1	2	30	6022.31	887	45
*	Nov 2021	14	0	11	1	0	18	6021.39	879	36
	Dec 2021	15	0	13	0	0	19	6020.68	872	29
	Jan 2022	15	0	13	0	0	28	6018.97	857	38
	Feb 2022	18	0	16	1	0	25	6017.89	848	32
	Mar 2022	78	7	65	1	5	28	6021.40	879	48
	Apr 2022	159	19	120	2	21	27	6029.00	950	77
	May 2022	255	33	194	3	35	28	6041.67	1078	157
	Jun 2022	250	33	190	4	51	27	6051.34	1187	188
	Jul 2022	82	7	87	4	56	28	6051.28	1186	106
	Aug 2022	49	2	68	3	47	28	6050.46	1176	63
	Sep 2022	44	2	57	3	26	27	6050.65	1179	55
	WY 2022	1001	103	851	23	243	310			873
	Oct 2022	45	2	46	2	9	28	6051.32	1186	55
	Nov 2022	30	0	23	1	0	27	6050.95	1182	44
	Dec 2022	23	0	18	1	0	28	6050.11	1172	42
	Jan 2023	21	0	18	1	0	28	6049.18	1162	41
	Feb 2023	31	0	27	1	0	25	6049.32	1163	37
	Mar 2023	102	10	83	1	5	28	6053.45	1212	53
	Apr 2023	186	23	137	2	21	27	6060.48	1299	87
	May 2023	308	41	258	4	35	204	6061.71	1314	361
	Jun 2023	273	36	234	4	51	282	6053.43	1211	467
	Jul 2023	70	6	74	4	56	49	6050.58	1178	127
	Aug 2023	47	2	63	3	47	28	6049.33	1163	67
	Sep 2023	48	2	56	3	26	27	6049.41	1164	60
	WY 2023	1184	123	1039	26	250	777			1442
	Oct 2023	35	1	38	2	9	28	6049.39	1164	50
	Nov 2023	30	0	23	1	0	27	6048.99	1159	45

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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)
*	Dec 2020	168	217	23	719	0	719	3582.21	4864	10130	716
H	Jan 2021	198	239	7	763	0	763	3576.45	4825	9638	757
I	Feb 2021	201	235	7	675	0	675	3571.46	4792	9226	670
S	Mar 2021	297	299	11	700	0	700	3566.71	4761	8844	698
T	Apr 2021	289	279	17	628	0	628	3562.37	4734	8504	635
O	May 2021	543	495	20	624	0	624	3560.57	4723	8366	649
R	Jun 2021	809	640	31	651	0	651	3560.06	4720	8328	663
I	Jul 2021	193	305	36	767	0	767	3553.88	4683	7866	763
C	Aug 2021	292	452	35	801	0	801	3548.96	4655	7511	785
A	Sep 2021	159	380	31	622	0	622	3545.36	4634	7258	625
	WY 2021	3502	4064	277	8229	0	8229				8279
L	Oct 2021	317	419	21	481	0	481	3544.25	4628	7181	489
*	Nov 2021	346	342	20	500	0	500	3541.84	4615	7016	496
	Dec 2021	240	262	16	600	0	600	3536.94	4589	6688	616
	Jan 2022	240	272	4	723	0	723	3530.44	4555	6266	743
	Feb 2022	250	272	4	639	0	639	3524.93	4527	5922	663
	Mar 2022	578	427	7	675	0	675	3521.03	4509	5686	706
	Apr 2022	1064	803	12	601	0	601	3523.94	4523	5862	619
	May 2022	2524	2204	16	599	0	599	3546.44	4640	7333	613
	Jun 2022	3371	2556	30	628	0	628	3569.79	4781	9090	637
	Jul 2022	1776	1438	41	709	0	709	3577.50	4832	9727	726
	Aug 2022	519	572	42	758	0	758	3574.98	4815	9516	775
	Sep 2022	438	544	39	567	0	567	3574.29	4810	9458	582
	WY 2022	11662	10110	254	7480	0	7480				7665
	Oct 2022	527	595	27	480	0	480	3575.28	4817	9540	494
	Nov 2022	454	506	26	500	0	500	3575.04	4815	9521	514
	Dec 2022	342	540	21	600	0	600	3574.14	4809	9446	611
	Jan 2023	368	565	6	723	0	723	3572.29	4797	9294	742
	Feb 2023	396	552	7	639	0	639	3571.24	4790	9207	661
	Mar 2023	656	670	11	675	0	675	3571.05	4789	9192	703
	Apr 2023	1124	999	19	601	0	601	3575.32	4817	9544	617
	May 2023	2609	2323	24	599	0	599	3593.25	4943	11118	608
	Jun 2023	3324	3144	43	628	0	628	3616.61	5126	13407	633
	Jul 2023	1373	1178	57	709	0	709	3620.24	5157	13789	725
	Aug 2023	510	556	57	758	0	758	3617.97	5138	13549	775
	Sep 2023	423	510	52	568	0	568	3616.99	5129	13447	583
	WY 2023	12106	12139	351	7480	0	7480				7664
	Oct 2023	417	469	36	643	0	643	3615.12	5114	13252	655
	Nov 2023	446	434	34	642	0	642	3612.94	5096	13028	645

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum Probable Inflow*

Hoover Dam - Lake Mead



— BUREAU OF —
RECLAMATION

	Glen Release	Side Inflow	Evap	Total	Total	SNWP	Downstream	Bank	Reservoir Elev	EOM
Date	(1000 Ac-Ft)	Glen to Hoover	Losses	Release	Release	Use	Requirements	Storage	End of Month	Storage
* Dec 2020	719	59	37	497	8.1	8	500	671	1083.72	10322
H Jan 2021	763	72	30	593	9.6	11	616	683	1085.95	10510
I Feb 2021	675	55	28	574	10.3	8	581	690	1087.26	10622
S Mar 2021	700	33	31	945	15.4	15	936	675	1084.39	10378
T Apr 2021	628	36	38	1057	17.8	22	1056	647	1079.30	9953
O May 2021	624	9	43	1067	17.4	27	1058	616	1073.50	9480
R Jun 2021	651	-31	51	939	15.8	32	927	592	1068.77	9102
I Jul 2021	767	95	63	862	14.0	31	854	586	1067.65	9014
C Aug 2021	801	89	67	766	12.5	31	766	587	1067.96	9038
A Sep 2021	622	50	55	616	10.4	24	614	586	1067.68	9016
WY 2021	8229	558	529	9361		242	9360			
L Oct 2021	481	81	40	581	9.4	17	585	581	1066.77	8945
* Nov 2021	500	43	40	642	10.8	11	649	572	1064.97	8804
Dec 2021	600	80	34	508	8.3	10	508	580	1066.50	8924
Jan 2022	723	98	28	600	9.8	11	600	591	1068.68	9095
Feb 2022	639	116	26	528	9.5	11	528	603	1070.92	9273
Mar 2022	675	151	29	867	14.1	13	867	598	1069.94	9195
Apr 2022	601	89	36	969	16.3	17	969	577	1065.96	8882
May 2022	599	70	41	948	15.4	29	948	556	1061.71	8553
Jun 2022	628	43	48	893	15.0	30	893	538	1057.98	8270
Jul 2022	709	82	60	815	13.3	35	815	530	1056.48	8158
Aug 2022	758	84	63	772	12.6	36	772	529	1056.12	8131
Sep 2022	567	71	52	671	11.3	28	671	522	1054.69	8026
WY 2022	7480	1008	499	8796		247	8808			
Oct 2022	480	68	38	492	8.0	21	492	521	1054.65	8023
Nov 2022	500	67	38	617	10.4	12	617	515	1053.39	7930
Dec 2022	600	55	32	506	8.2	7	506	522	1054.78	8032
Jan 2023	723	92	27	625	10.2	13	625	531	1056.67	8173
Feb 2023	639	109	25	543	9.8	10	543	542	1058.81	8333
Mar 2023	675	135	28	879	14.3	18	879	535	1057.37	8225
Apr 2023	601	79	34	956	16.1	21	956	514	1053.19	7915
May 2023	599	43	38	939	15.3	26	939	492	1048.51	7576
Jun 2023	628	23	45	884	14.9	36	884	473	1044.35	7281
Jul 2023	709	77	56	792	12.9	41	792	467	1042.97	7183
Aug 2023	758	82	59	759	12.3	43	759	466	1042.68	7163
Sep 2023	568	73	49	673	11.3	38	673	458	1041.07	7052
WY 2023	7480	902	469	8666		284	8666			
Oct 2023	643	58	35	503	8.2	31	503	466	1042.85	7175
Nov 2023	642	71	36	635	10.7	18	635	468	1043.19	7199

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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)
*	Dec 2020	497	-6	9	509	0	509	8.3	638.82	1586
H	Jan 2021	593	-3	10	475	0	474	7.7	642.71	1691
I	Feb 2021	574	-17	10	550	0	550	9.9	642.63	1688
S	Mar 2021	945	-10	13	920	0	920	15.0	642.69	1690
T	Apr 2021	1057	-21	17	1028	0	1028	17.3	642.37	1682
O	May 2021	1067	9	22	1055	0	1055	17.2	642.32	1680
R	Jun 2021	939	15	25	901	0	901	15.1	643.33	1708
I	Jul 2021	862	-6	25	831	0	831	13.5	643.31	1707
C	Aug 2021	766	-6	23	731	0	731	11.9	643.54	1713
A	Sep 2021	616	9	18	756	0	756	12.7	638.04	1565
	WY 2021	9361	-82	198	9040	0	9040			
L	Oct 2021	581	-3	15	638	0	658	10.7	634.42	1471
*	Nov 2021	642	-9	10	543	0	543	9.1	637.48	1551
	Dec 2021	508	-11	9	456	0	456	7.4	638.70	1583
	Jan 2022	600	-17	10	491	0	491	8.0	641.80	1666
	Feb 2022	528	-9	10	509	0	509	9.2	641.80	1666
	Mar 2022	867	-7	13	813	0	813	13.2	643.05	1700
	Apr 2022	969	-8	17	946	0	946	15.9	643.00	1699
	May 2022	948	-8	22	918	0	918	14.9	643.00	1699
	Jun 2022	893	-13	25	855	0	855	14.4	643.00	1699
	Jul 2022	815	-10	25	807	0	807	13.1	642.00	1671
	Aug 2022	772	-11	23	738	0	738	12.0	642.00	1671
	Sep 2022	671	-11	18	696	0	696	11.7	640.01	1617
	WY 2022	8796	-116	197	8411	0	8430			
	Oct 2022	492	-11	15	649	0	649	10.6	633.00	1434
	Nov 2022	617	-23	10	533	0	533	9.0	635.00	1486
	Dec 2022	506	-11	9	368	0	368	6.0	639.51	1604
	Jan 2023	625	-17	10	537	0	537	8.7	641.80	1666
	Feb 2023	543	-9	10	524	0	524	9.4	641.80	1666
	Mar 2023	879	-7	13	825	0	825	13.4	643.05	1700
	Apr 2023	956	-8	17	933	0	933	15.7	643.00	1699
	May 2023	939	-8	22	908	0	908	14.8	643.00	1699
	Jun 2023	884	-13	25	846	0	846	14.2	643.00	1699
	Jul 2023	792	-10	25	784	0	784	12.8	642.00	1671
	Aug 2023	759	-11	23	725	0	725	11.8	642.00	1671
	Sep 2023	673	-11	18	698	0	698	11.7	640.01	1617
	WY 2023	8666	-138	197	8330	0	8330			
	Oct 2023	503	-11	15	660	0	660	10.7	633.00	1434
	Nov 2023	635	-23	10	551	0	551	9.3	635.00	1486

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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)
*	Dec 2020	509	9	7	286	4.7	95	145	446.46	551	90	1.5
H	Jan 2021	474	13	6	256	4.2	70	124	447.88	578	122	2.0
I	Feb 2021	550	-2	8	430	7.7	0	111	447.56	572	124	2.2
S	Mar 2021	920	1	9	663	10.8	99	149	447.28	566	179	2.9
T	Apr 2021	1028	0	11	728	12.2	102	163	448.04	581	167	2.8
O	May 2021	1055	-2	13	746	12.1	107	168	448.51	590	145	2.4
R	Jun 2021	901	21	15	706	11.9	103	87	448.55	591	151	2.5
I	Jul 2021	831	15	17	669	10.9	106	51	448.23	585	147	2.4
C	Aug 2021	731	16	17	586	9.5	100	48	447.51	571	121	2.0
A	Sep 2021	756	5	15	516	8.7	97	106	448.49	590	116	1.9
	WY 2021	9040	117	140	6393		1065	1441			1519	
L	Oct 2021	658	17	12	421	6.8	99	139	448.37	587	66	1.1
*	Nov 2021	543	14	9	348	5.8	96	124	447.05	562	92	1.5
	Dec 2021	456	20	6	280	4.6	99	96	446.50	552	90	1.5
	Jan 2022	491	17	6	313	5.1	99	85	446.50	552	138	2.2
	Feb 2022	509	7	8	398	7.2	2	103	446.50	552	124	2.2
	Mar 2022	813	7	9	598	9.7	96	105	446.70	555	147	2.4
	Apr 2022	946	11	11	698	11.7	93	108	448.70	593	147	2.5
	May 2022	918	9	13	699	11.4	96	107	448.70	593	110	1.8
	Jun 2022	855	6	16	706	11.9	65	61	448.70	593	116	2.0
	Jul 2022	807	15	17	683	11.1	68	56	448.00	580	123	2.0
	Aug 2022	738	15	17	611	9.9	68	55	447.50	571	101	1.6
	Sep 2022	696	14	15	526	8.8	65	93	447.50	570	99	1.7
	WY 2022	8430	152	140	6281		948	1132			1353	
	Oct 2022	649	21	12	483	7.9	66	104	447.50	571	89	1.4
	Nov 2022	533	18	9	367	6.2	66	104	447.50	570	115	1.9
	Dec 2022	368	20	7	248	4.0	66	82	446.50	552	110	1.8
	Jan 2023	537	17	6	313	5.1	96	135	446.50	552	138	2.2
	Feb 2023	524	7	8	397	7.1	2	119	446.50	552	124	2.2
	Mar 2023	825	7	9	592	9.6	96	123	446.70	555	147	2.4
	Apr 2023	933	11	11	694	11.7	65	127	448.70	593	147	2.5
	May 2023	908	9	13	698	11.4	68	127	448.70	593	110	1.8
	Jun 2023	846	6	16	705	11.8	65	54	448.70	593	116	2.0
	Jul 2023	784	15	17	671	10.9	68	45	448.00	580	123	2.0
	Aug 2023	725	15	17	609	9.9	68	43	447.50	571	101	1.6
	Sep 2023	698	14	15	518	8.7	65	103	447.50	570	99	1.7
	WY 2023	8330	161	139	6294		787	1165			1419	
	Oct 2023	660	21	12	477	7.8	65	121	447.50	571	89	1.4
	Nov 2023	551	18	9	368	6.2	65	122	447.50	570	115	1.9

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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
*	Dec 2020	497	8.0	1083.72	10322	222	442.26	1266.0	191.3	81	384.9
H	Jan 2021	593	9.6	1085.95	10510	189	440.07	1191.0	233.1	74	393.3
I	Feb 2021	574	10.3	1087.26	10622	112	440.33	1080.0	225.4	67	392.4
S	Mar 2021	945	15.4	1084.39	10378	-244	437.56	1109.0	376.2	70	398.0
T	Apr 2021	1057	17.8	1079.30	9953	-425	427.23	1086.9	415.5	70	393.2
O	May 2021	1067	17.4	1073.50	9480	-473	423.99	1042.9	433.7	69	406.4
R	Jun 2021	939	15.8	1068.77	9102	-378	419.04	1451.0	366.8	100	390.7
I	Jul 2021	862	14.0	1067.65	9014	-88	421.16	1417.0	323.4	100	375.3
C	Aug 2021	766	12.5	1067.96	9038	24	421.53	1322.1	286.1	93	373.4
A	Sep 2021	616	10.4	1067.68	9016	-22	425.37	1228.0	232.0	87	376.5
WY 2021		9361							3643.8		
L	Oct 2021	581	9.4	1066.77	8945	-71	422.27	1228.0	216.2	87	372.4
*	Nov 2021	642	10.8	1064.97	8804	-140	421.30	938.0	241.3	67	375.8
	Dec 2021	508	8.3	1066.50	8924	119	419.02	957.0	192.7	68	379.2
	Jan 2022	600	9.8	1068.68	9095	171	419.49	975.1	225.9	67	376.5
	Feb 2022	528	9.5	1070.92	9273	178	420.67	977.0	198.7	67	376.2
	Mar 2022	867	14.1	1069.94	9195	-79	420.19	1071.8	335.5	74	386.8
	Apr 2022	969	16.3	1065.96	8882	-313	417.17	1068.8	366.5	75	378.0
	May 2022	948	15.4	1061.71	8553	-329	413.22	1026.9	357.9	74	377.4
	Jun 2022	893	15.0	1057.98	8270	-283	406.56	1350.5	325.5	100	364.4
	Jul 2022	815	13.3	1056.48	8158	-112	404.30	1337.7	297.7	100	365.2
	Aug 2022	772	12.6	1056.12	8131	-27	403.70	1334.7	279.8	100	362.6
	Sep 2022	671	11.3	1054.69	8026	-106	403.47	1322.6	240.4	100	358.1
WY 2022		8796							3278.2		
	Oct 2022	492	8.0	1054.65	8023	-3	407.33	1029.9	180.4	78	366.9
	Nov 2022	617	10.4	1053.39	7930	-93	408.31	1103.6	226.1	84	366.5
	Dec 2022	506	8.2	1054.78	8032	103	406.21	1119.8	185.5	85	366.4
	Jan 2023	625	10.2	1056.67	8173	140	405.65	1128.6	227.2	84	363.3
	Feb 2023	543	9.8	1058.81	8333	160	408.58	927.5	199.3	68	366.7
	Mar 2023	879	14.3	1057.37	8225	-108	407.98	987.2	330.0	73	375.5
	Apr 2023	956	16.1	1053.19	7915	-310	403.41	1135.0	344.6	87	360.4
	May 2023	939	15.3	1048.51	7576	-339	399.51	1041.8	339.1	82	361.2
	Jun 2023	884	14.9	1044.35	7281	-295	395.24	1000.0	314.7	81	355.8
	Jul 2023	792	12.9	1042.97	7183	-97	390.87	1221.2	277.9	100	350.7
	Aug 2023	759	12.3	1042.68	7163	-20	390.37	1218.8	264.5	100	348.7
	Sep 2023	673	11.3	1041.07	7052	-112	390.08	1205.1	232.5	100	345.3
WY 2023		8666							3121.8		
	Oct 2023	503	8.2	1042.85	7175	124	394.72	950.5	179.2	78	356.3
	Nov 2023	635	10.7	1043.19	7199	24	398.48	903.3	225.0	74	354.4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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
*	Dec 2020	509	8.3	638.82	1586	-27	135.77	153.0	65.2	60	128.2
H	Jan 2021	475	7.7	642.71	1691	105	143.89	156.3	55.9	61	117.7
I	Feb 2021	550	9.9	642.63	1688	-2	141.55	156.5	71.1	61	129.2
S	Mar 2021	920	15.0	642.69	1690	2	138.82	161.2	117.8	63	128.0
T	Apr 2021	1028	17.3	642.37	1682	-9	138.42	253.3	130.1	99	126.6
O	May 2021	1055	17.2	642.32	1680	-2	139.64	255.0	133.2	100	126.2
R	Jun 2021	901	15.1	643.33	1708	28	141.86	255.0	114.4	100	127.0
I	Jul 2021	831	13.5	643.31	1707	-1	139.09	253.3	106.2	99	127.8
C	Aug 2021	731	11.9	643.54	1713	6	144.21	255.0	93.7	100	128.2
A	Sep 2021	756	12.7	638.04	1565	-148	136.46	255.0	95.1	100	125.8
WY 2021		9040							1141.6		
L	Oct 2021	638	10.7	634.42	1471	-95	134.72	215.5	80.2	85	125.6
*	Nov 2021	543	9.1	637.48	1551	80	136.32	164.9	65.8	65	121.0
	Dec 2021	456	7.4	638.70	1583	32	137.36	192.5	56.4	75	123.7
	Jan 2022	491	8.0	641.80	1666	83	139.26	159.6	61.6	63	125.5
	Feb 2022	509	9.2	641.80	1666	0	140.29	176.7	64.4	69	126.4
	Mar 2022	813	13.2	643.05	1700	34	139.32	255.0	102.1	100	125.5
	Apr 2022	946	15.9	643.00	1699	-2	138.97	255.0	118.5	100	125.2
	May 2022	918	14.9	643.00	1699	0	139.28	255.0	115.2	100	125.5
	Jun 2022	855	14.4	643.00	1699	0	139.47	255.0	107.4	100	125.7
	Jul 2022	807	13.1	642.00	1671	-27	139.42	255.0	101.4	100	125.6
	Aug 2022	738	12.0	642.00	1671	0	139.35	255.0	92.7	100	125.5
	Sep 2022	696	11.7	640.01	1617	-54	138.48	255.0	86.8	100	124.8
WY 2022		8411							1052.3		
	Oct 2022	649	10.6	633.00	1434	-183	134.42	227.0	78.6	89	121.1
	Nov 2022	533	9.0	635.00	1486	51	132.59	159.8	63.6	63	119.5
	Dec 2022	368	6.0	639.51	1604	118	137.18	154.7	45.5	61	123.6
	Jan 2023	537	8.7	641.80	1666	62	139.33	156.3	67.4	61	125.5
	Feb 2023	524	9.4	641.80	1666	0	140.18	156.6	66.2	61	126.3
	Mar 2023	825	13.4	643.05	1700	34	139.24	194.1	103.5	76	125.4
	Apr 2023	933	15.7	643.00	1699	-2	139.04	249.9	116.9	98	125.3
	May 2023	908	14.8	643.00	1699	0	139.33	255.0	114.0	100	125.5
	Jun 2023	846	14.2	643.00	1699	0	139.53	255.0	106.3	100	125.7
	Jul 2023	784	12.8	642.00	1671	-27	139.56	255.0	98.6	100	125.7
	Aug 2023	725	11.8	642.00	1671	0	139.43	255.0	91.1	100	125.6
	Sep 2023	698	11.7	640.01	1617	-54	138.46	255.0	87.0	100	124.7
WY 2023		8330							1038.8		
	Oct 2023	660	10.7	633.00	1434	-183	134.35	227.0	79.9	89	121.0
	Nov 2023	551	9.3	635.00	1486	51	132.45	159.8	65.7	63	119.3

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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
*	Dec 2020	286	4.7	446.46	551	-19	80.52	118.1	19.7	98	68.9
H	Jan 2021	256	4.2	447.88	578	26	82.16	97.7	16.1	81	62.9
I	Feb 2021	430	7.7	447.56	572	-6	79.82	97.2	29.8	81	69.3
S	Mar 2021	663	10.8	447.28	566	-5	79.45	120.0	46.2	100	69.7
T	Apr 2021	728	12.2	448.04	581	14	79.77	120.0	50.2	100	68.9
O	May 2021	746	12.1	448.51	590	9	80.39	120.0	52.0	100	69.7
R	Jun 2021	706	11.9	448.55	591	1	82.07	120.0	49.4	100	69.9
I	Jul 2021	669	10.9	448.23	585	-6	80.10	120.0	46.6	100	69.6
C	Aug 2021	586	9.5	447.51	571	-14	79.33	120.0	40.7	100	69.4
A	Sep 2021	516	8.7	448.49	590	19	80.37	120.0	35.7	100	69.2
WY 2021		6393							442.4		
L	Oct 2021	421	6.8	448.37	587	-2	82.15	96.8	29.7	81	70.6
*	Nov 2021	348	5.8	447.05	562	-25	81.18	90.0	24.0	75	69.1
	Dec 2021	280	4.6	446.50	552	-10	74.95	102.6	17.6	85	62.9
	Jan 2022	313	5.1	446.50	552	0	76.44	70.6	20.2	59	64.8
	Feb 2022	398	7.2	446.50	552	0	73.92	120.0	25.4	100	63.8
	Mar 2022	598	9.7	446.70	555	4	74.01	120.0	38.7	100	64.6
	Apr 2022	698	11.7	448.70	593	38	75.08	120.0	46.0	100	65.8
	May 2022	699	11.4	448.70	593	0	76.05	120.0	46.5	100	66.5
	Jun 2022	706	11.9	448.70	593	0	76.05	120.0	47.0	100	66.6
	Jul 2022	683	11.1	448.00	580	-13	75.71	120.0	45.2	100	66.2
	Aug 2022	611	9.9	447.50	571	-10	75.13	120.0	40.0	100	65.5
	Sep 2022	526	8.8	447.50	570	0	74.89	120.0	34.2	100	65.1
WY 2022		6281							414.5		
	Oct 2022	483	7.9	447.50	571	0	76.09	93.9	31.8	78	65.9
	Nov 2022	367	6.2	447.50	570	0	76.29	90.0	23.9	75	65.2
	Dec 2022	248	4.0	446.50	552	-19	74.77	111.3	15.4	93	62.2
	Jan 2023	313	5.1	446.50	552	0	75.12	93.9	19.9	78	63.6
	Feb 2023	397	7.1	446.50	552	0	75.10	94.3	25.7	79	64.9
	Mar 2023	592	9.6	446.70	555	4	74.01	120.0	38.3	100	64.6
	Apr 2023	694	11.7	448.70	593	38	75.08	120.0	45.6	100	65.8
	May 2023	698	11.4	448.70	593	0	76.05	120.0	46.4	100	66.5
	Jun 2023	705	11.8	448.70	593	0	76.05	120.0	46.9	100	66.6
	Jul 2023	671	10.9	448.00	580	-13	75.71	120.0	44.3	100	66.1
	Aug 2023	609	9.9	447.50	571	-10	75.13	120.0	39.9	100	65.5
	Sep 2023	518	8.7	447.50	570	0	74.89	120.0	33.7	100	65.0
WY 2023		6294							411.9		
	Oct 2023	477	7.8	447.50	571	0	76.24	91.0	31.5	76	66.0
	Nov 2023	368	6.2	447.50	570	0	76.19	92.0	23.9	77	65.1

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum Probable Inflow*

Upper Basin Power



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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
*	Dec 2020	304	24	5	7	3	3
H	Jan 2021	319	24	5	6	3	3
I	Feb 2021	278	21	5	6	2	3
S	Mar 2021	285	20	8	11	6	3
	Winter 2021	1738	132	46	60	25	14
T	Apr 2021	254	19	20	28	17	3
O	May 2021	249	36	24	32	20	3
R	Jun 2021	260	30	20	30	19	3
I	Jul 2021	303	24	27	34	20	3
C	Aug 2021	310	37	25	34	20	3
A	Sep 2021	238	36	24	33	19	2
	Summer 2021	1614	182	140	190	114	17
L	Oct 2021	183	29	14	22	7	2
	Dec 2021	219	17	4	6	3	3
	Jan 2022	260	17	4	7	4	3
	Feb 2022	227	16	4	6	3	3
	Mar 2022	236	17	4	7	5	4
	Winter 2022	1125	97	31	48	21	16
	Apr 2022	210	17	9	17	10	1
	May 2022	216	77	50	81	23	7
	Jun 2022	239	60	17	31	22	8
	Jul 2022	279	34	23	30	19	8
	Aug 2022	301	38	27	32	17	7
	Sep 2022	225	38	26	31	16	3
	Summer 2022	1471	263	152	222	108	33
	Oct 2022	190	35	23	29	15	6
	Nov 2022	198	43	5	7	0	5
	Dec 2022	237	65	19	24	12	5
	Jan 2023	284	65	20	25	13	5
	Feb 2023	251	58	18	23	12	4
	Mar 2023	264	58	18	24	13	4
	Winter 2023	1423	323	103	131	64	29
	Apr 2023	236	51	23	33	18	5
	May 2023	241	26	58	95	23	6
	Jun 2023	264	96	57	97	22	8
	Jul 2023	306	27	29	38	21	8
	Aug 2023	328	34	23	29	15	6
	Sep 2023	246	34	23	28	14	5
	Summer 2023	1375	233	189	291	99	32
	Oct 2023	277	23	21	26	9	5
	Nov 2023	275	19	4	6	4	5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2021 24-Month Study

Maximum 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	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	MAF
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Dec 2021	950	610	823	17306	19689	18816	38505	950	610	823	2383	17306	18816	38505	4580	508	0	22.1
Jan 2022	975	607	829	17634	20045	18696	38741	975	607	829	2411	17634	18696	38741	5350	600	0	21.9
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2022	975	607	829	17634	20045	18696	38741	930	501	497	1927	17634	18696	38257	5350	600	0	21.9
Feb 2022	997	606	844	18056	20503	18525	39028	950	500	511	1961	18056	18525	38542	1500	528	0	21.8
Mar 2022	1,016	603	854	18400	20873	18347	39220	966	499	520	1985	18400	18347	38731	1500	867	0	21.6
Apr 2022	930	584	822	18636	20972	18425	39398	873	479	482	1835	18636	18425	38896	1500	969	0	21.7
May 2022	824	524	751	18460	20560	18738	39299	759	425	389	1572	18460	18738	38771	1500	948	0	23.2
Jun 2022	714	492	623	16989	18818	19067	37885	639	382	222	1244	16989	19067	37299	1500	893	0	25.4
Jul 2022	350	236	515	15232	16333	19350	35682	248	98	59	405	15232	19350	34986	1500	815	0	26.2
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Aug 2022	127	144	515	14595	15381	19462	34843	127	144	515	786	14595	19462	34843	1500	772	0	25.9
Sep 2022	150	151	525	14806	15632	19489	35121	150	151	525	826	14806	19489	35121	2270	671	0	25.6
Oct 2022	212	188	523	14864	15786	19594	35380	212	188	523	922	14864	19594	35380	3040	492	0	25.4
Nov 2022	257	225	515	14782	15778	19597	35375	257	225	515	996	14782	19597	35375	3810	617	0	25.3
Dec 2022	328	211	519	14801	15859	19690	35549	328	211	519	1058	14801	19690	35549	4580	506	0	25.2
Jan 2023	481	248	529	14876	16134	19588	35721	481	248	529	1257	14876	19588	35721	5350	625	0	25.0
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2023	481	248	529	14876	16134	19588	35721	301	51	191	543	14876	19588	35007	5350	625	0	25.1
Feb 2023	626	290	540	15028	16484	19447	35931	449	94	201	744	15028	19447	35219	1500	543	0	25.0
Mar 2023	750	327	538	15115	16729	19287	36017	573	132	198	904	15115	19287	35306	1500	879	0	24.9
Apr 2023	803	348	490	15130	16770	19395	36165	624	155	143	922	15130	19395	35446	1500	956	0	25.0
May 2023	811	331	403	14778	16323	19705	36028	627	142	33	802	14778	19705	35286	1500	939	0	26.5
Jun 2023	576	331	387	13204	14498	20044	34542	379	132	-22	489	13204	20044	33737	1500	884	0	28.7
Jul 2023	405	268	490	10915	12078	20339	32418	191	43	26	260	10915	20339	31514	1500	792	0	29.1
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Aug 2023	237	223	523	10533	11517	20437	31953	237	223	523	984	10533	20437	31953	1500	759	0	28.8
Sep 2023	260	220	538	10773	11791	20457	32247	260	220	538	1018	10773	20457	32247	2270	673	0	28.4
Oct 2023	318	245	537	10875	11975	20568	32543	318	245	537	1100	10875	20568	32543	3040	503	0	28.1
Nov 2023	341	278	537	11070	12226	20445	32670	341	278	537	1156	11070	20445	32670	3810	635	0	27.9

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