

To: All Annual Operating Plan Recipients

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Subject: November 2023 Probable Minimum 24-Month Study

In addition to the November 2023 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 an additional model run in November to determine a possible range of reservoir elevations. Probable minimum and probable maximum model runs are conducted in January, April, August, and October, or when necessary to incorporate changing conditions. 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/2023/November-Chart.pdf>.

The water year (WY) 2024 unregulated inflow into Lake Powell in the November Probable Minimum inflow scenario is 5.57 million acre-feet (maf), or 58% of average. The Probable Minimum 24-Month Study includes a release volume from Glen Canyon Dam of 7.48 maf in WY 2024 and 7.48 maf in WY 2025. Under the Probable Minimum scenario, Lake Powell's elevation is projected to be 3,543.88 feet on December 31, 2024. With intervening flows between Lake Powell and Lake Mead of 0.657 maf in calendar year 2024, Lake Mead's elevation is projected to be 1,051.70 feet on December 31, 2024.

The draft 2024 Annual Operating Plan (AOP) is available online at:

https://www.usbr.gov/lc/region/g4000/AOP2024/AOP24_draft.pdf

The 2023 AOP is available online at:

<https://www.usbr.gov/uc/water/rsrvs/ops/aop/AOP23.pdf>.

The Interim Guidelines are available online at:

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

The Colorado River Drought Contingency Plans (DCPs) are available online at:

<https://www.usbr.gov/dcp/finaldocs.html>.

The 2021 Lower Basin Memorandum of Understanding (MOU) is available online at:

https://www.usbr.gov/lc/region/g4000/2021_MOU.pdf.

The Upper Basin DROA is online at:

<https://www.usbr.gov/dcp/droa.html>.

The Upper Basin Hydrology Summary is available online at:

https://www.usbr.gov/uc/water/crsp/studies/24Month_11_ucb.pdf.

Information on the Lower Colorado Basin (LCB) Conservation Program is available online at:

<https://www.usbr.gov/lc/LCBConservation.html>.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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)
* Nov 2022	34	1	10	48	58	6490.90	224
H Dec 2022	29	1	56	2	58	6486.14	194
I Jan 2023	32	1	58	0	59	6481.53	167
S Feb 2023	28	0	10	43	53	6476.59	141
T Mar 2023	30	0	55	3	58	6470.02	113
O Apr 2023	75	1	61	0	61	6473.29	126
R May 2023	323	1	102	95	198	6494.66	250
I Jun 2023	413	2	92	269	361	6501.41	299
C Jul 2023	141	3	86	41	127	6502.91	310
A Aug 2023	74	2	71	3	74	6502.60	308
L Sep 2023	50	2	70	1	71	6499.60	285
WY 2023	1265	15	693	545	1238		
* Oct 2023	53	1	65	3	68	6497.41	269
Nov 2023	45	1	66	0	66	6494.30	247
Dec 2023	35	1	69	0	69	6489.12	213
Jan 2024	32	1	69	0	69	6482.95	175
Feb 2024	14	0	65	0	65	6472.64	124
Mar 2024	22	0	45	0	45	6466.74	100
Apr 2024	33	1	34	2	36	6465.86	97
May 2024	65	1	37	0	37	6472.71	124
Jun 2024	133	2	36	0	36	6490.15	219
Jul 2024	75	2	38	0	38	6495.18	254
Aug 2024	28	2	37	0	37	6493.62	243
Sep 2024	19	2	36	0	36	6490.91	224
WY 2024	554	13	597	5	601		
Oct 2024	29	1	0	37	37	6489.55	215
Nov 2024	35	1	0	45	45	6487.87	205
Dec 2024	32	1	20	36	55	6483.95	181
Jan 2025	29	1	55	0	55	6479.07	154
Feb 2025	27	0	50	0	50	6474.17	130
Mar 2025	43	0	51	0	51	6472.14	121
Apr 2025	65	1	37	0	37	6478.20	149
May 2025	116	1	80	0	80	6484.50	184
Jun 2025	201	2	95	0	95	6499.87	287
Jul 2025	90	3	58	0	58	6503.73	316
Aug 2025	42	2	50	0	50	6502.40	306
Sep 2025	32	2	48	0	48	6500.07	289
WY 2025	741	15	544	118	662		
Oct 2025	39	1	55	0	55	6497.67	271

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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)
*	Nov 2022	40	63	3	102	0	102	98	6010.19	2590	132
H	Dec 2022	26	57	2	107	0	107	96	6008.59	2540	135
I	Jan 2023	38	65	2	108	0	108	95	6007.19	2497	143
S	Feb 2023	33	58	2	98	0	98	93	6005.89	2457	134
T	Mar 2023	49	77	3	61	5	66	93	6006.15	2465	119
O	Apr 2023	188	181	4	48	0	48	98	6010.17	2589	403
R	May 2023	521	397	7	49	0	49	111	6020.21	2917	1044
I	Jun 2023	574	512	10	114	42	157	125	6029.59	3249	672
C	Jul 2023	174	166	13	75	1	76	128	6031.49	3323	173
A	Aug 2023	95	93	13	112	0	112	126	6030.69	3292	152
L	Sep 2023	67	88	11	114	0	114	125	6029.77	3256	142
	WY 2023	1847	1821	74	1099	48	1147				3391
*	Oct 2023	69	84	7	100	0	100	124	6029.17	3233	137
	Nov 2023	56	77	3	72	0	72	124	6029.21	3235	98
	Dec 2023	39	73	2	113	0	113	123	6028.14	3195	137
	Jan 2024	45	82	2	113	0	113	121	6027.26	3163	138
	Feb 2024	27	78	2	106	0	106	120	6026.45	3134	121
	Mar 2024	54	77	3	58	0	58	121	6026.88	3150	96
	Apr 2024	63	66	5	57	0	57	121	6027.00	3154	171
	May 2024	109	81	7	133	0	133	119	6025.41	3097	422
	Jun 2024	196	99	10	54	0	54	120	6026.35	3131	270
	Jul 2024	98	61	13	58	0	58	120	6026.11	3122	93
	Aug 2024	38	47	12	68	0	68	118	6025.23	3091	77
	Sep 2024	25	42	10	65	0	65	117	6024.29	3058	74
	WY 2024	819	867	75	997	0	997				1834
	Oct 2024	37	45	7	50	0	50	117	6023.98	3047	71
	Nov 2024	42	52	3	48	0	48	117	6024.02	3049	75
	Dec 2024	33	56	2	49	0	49	117	6024.17	3054	74
	Jan 2025	40	66	2	49	0	49	118	6024.60	3069	74
	Feb 2025	42	65	2	44	0	44	118	6025.10	3087	69
	Mar 2025	68	76	3	49	0	49	119	6025.77	3110	114
	Apr 2025	91	63	5	48	0	48	120	6026.05	3120	213
	May 2025	165	129	7	133	0	133	119	6025.75	3110	545
	Jun 2025	249	143	10	54	0	54	122	6027.89	3186	280
	Jul 2025	92	60	13	71	0	71	121	6027.27	3164	87
	Aug 2025	45	53	12	77	0	77	120	6026.31	3129	88
	Sep 2025	34	50	10	74	0	74	119	6025.36	3096	81
	WY 2025	938	859	75	745	0	745				1770
	Oct 2025	44	60	7	57	0	57	118	6025.25	3092	79

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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)
* Nov 2022	4	5	9308.13	67
H Dec 2022	5	5	9307.68	66
I Jan 2023	4	5	9307.08	65
S Feb 2023	4	5	9306.26	64
T Mar 2023	4	5	9305.50	63
O Apr 2023	7	9	9304.30	61
R May 2023	39	20	9316.35	80
I Jun 2023	50	28	9328.01	102
C Jul 2023	22	26	9326.25	99
A Aug 2023	9	21	9319.91	87
L Sep 2023	6	15	9314.22	77
WY 2023	159	151		
* Oct 2023	6	6	9314.04	77
Nov 2023	4	6	9312.87	75
Dec 2023	4	6	9311.56	72
Jan 2024	4	6	9310.23	70
Feb 2024	3	6	9308.61	68
Mar 2024	3	6	9306.55	65
Apr 2024	6	6	9306.55	65
May 2024	20	9	9313.47	76
Jun 2024	31	15	9322.50	92
Jul 2024	12	18	9319.23	86
Aug 2024	6	15	9314.07	77
Sep 2024	5	12	9309.79	70
WY 2024	104	111		
Oct 2024	5	6	9309.15	69
Nov 2024	4	5	9308.48	68
Dec 2024	4	5	9307.67	66
Jan 2025	4	5	9306.88	65
Feb 2025	4	5	9306.36	64
Mar 2025	4	5	9305.55	63
Apr 2025	8	5	9307.54	66
May 2025	23	9	9316.12	80
Jun 2025	28	15	9323.29	93
Jul 2025	9	18	9318.40	84
Aug 2025	7	15	9313.77	76
Sep 2025	6	15	9308.19	67
WY 2025	106	109		
Oct 2025	6	8	9306.61	65

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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)
*	Nov 2022	26	27	0	1	10	11	7444.87	282
H	Dec 2022	24	25	0	6	10	17	7446.44	290
I	Jan 2023	24	25	0	20	0	20	7447.43	295
S	Feb 2023	20	21	0	20	0	20	7447.61	296
T	Mar 2023	25	26	0	19	0	19	7448.79	303
O	Apr 2023	77	79	1	23	0	23	7458.56	358
R	May 2023	327	309	1	77	0	77	7491.44	589
I	Jun 2023	312	290	1	106	6	131	7510.36	747
C	Jul 2023	117	120	1	125	1	126	7509.50	739
A	Aug 2023	49	61	1	105	0	105	7504.26	694
L	Sep 2023	26	36	1	15	85	100	7496.50	629
	WY 2023	1060	1052	8	517	170	706		
*	Oct 2023	30	30	1	30	33	63	7492.37	596
	Nov 2023	28	30	0	34	0	34	7491.88	592
	Dec 2023	25	27	0	39	0	39	7490.34	580
	Jan 2024	23	25	0	28	0	28	7489.98	577
	Feb 2024	14	17	0	29	0	29	7488.39	565
	Mar 2024	22	25	0	30	0	30	7487.76	560
	Apr 2024	42	42	1	52	0	52	7486.33	549
	May 2024	126	115	1	66	0	66	7492.44	597
	Jun 2024	158	142	1	55	0	55	7502.96	683
	Jul 2024	58	64	1	82	0	82	7500.60	663
	Aug 2024	33	42	1	85	0	85	7495.17	619
	Sep 2024	21	28	1	76	0	76	7488.96	570
	WY 2024	580	587	8	606	33	639		
	Oct 2024	26	27	0	58	0	58	7484.91	539
	Nov 2024	26	27	0	15	0	15	7486.47	550
	Dec 2024	25	26	0	16	0	16	7487.84	561
	Jan 2025	24	25	0	16	0	16	7489.06	570
	Feb 2025	23	24	0	14	0	14	7490.23	579
	Mar 2025	35	36	0	19	0	19	7492.32	596
	Apr 2025	64	61	1	38	0	38	7495.16	619
	May 2025	159	145	1	50	0	50	7506.41	712
	Jun 2025	165	152	1	58	0	58	7516.82	804
	Jul 2025	53	62	2	82	0	82	7514.40	782
	Aug 2025	42	50	1	80	0	80	7510.87	751
	Sep 2025	28	37	1	74	0	74	7506.44	713
	WY 2025	670	673	9	521	0	521		
	Oct 2025	32	34	1	71	0	71	7502.07	675

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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)
*	Nov 2022	27	11	1	12	21	0	21	7143.98	104
H	Dec 2022	26	17	2	18	20	0	20	7141.82	103
I	Jan 2023	26	20	2	21	20	0	20	7144.03	105
S	Feb 2023	21	20	1	21	18	0	18	7148.07	108
T	Mar 2023	26	19	2	21	19	0	19	7149.91	109
O	Apr 2023	85	23	8	31	30	0	30	7151.54	110
R	May 2023	364	77	37	114	112	0	112	7153.72	112
I	Jun 2023	331	131	18	149	142	2	149	7153.53	112
C	Jul 2023	121	126	4	130	130	0	130	7152.51	111
A	Aug 2023	49	105	0	105	105	0	105	7152.17	111
L	Sep 2023	27	100	1	100	102	0	102	7150.01	109
	WY 2023	1136	706	76	782	780	2	787		
*	Oct 2023	31	63	1	64	68	0	68	7144.23	105
	Nov 2023	29	34	1	35	27	0	27	7153.73	112
	Dec 2023	26	39	1	40	40	0	40	7153.73	112
	Jan 2024	25	28	2	30	30	0	30	7153.73	112
	Feb 2024	15	29	1	30	30	0	30	7153.73	112
	Mar 2024	24	30	2	32	32	0	32	7153.73	112
	Apr 2024	47	52	5	57	57	0	57	7153.73	112
	May 2024	135	66	9	75	75	0	75	7153.73	112
	Jun 2024	170	55	12	67	66	0	66	7153.72	112
	Jul 2024	61	82	3	85	85	0	85	7153.73	112
	Aug 2024	35	85	2	87	87	0	87	7153.73	112
	Sep 2024	22	76	1	77	77	0	77	7153.73	112
	WY 2024	620	639	40	679	675	0	675		
	Oct 2024	28	58	2	60	59	0	59	7153.73	112
	Nov 2024	28	15	2	17	17	0	17	7153.73	112
	Dec 2024	27	16	2	18	18	0	18	7153.73	112
	Jan 2025	26	16	2	18	18	0	18	7153.73	112
	Feb 2025	25	14	2	16	16	0	16	7153.73	112
	Mar 2025	37	19	2	21	21	0	21	7153.73	112
	Apr 2025	72	38	8	46	45	0	45	7153.73	112
	May 2025	176	50	17	67	67	0	67	7153.73	112
	Jun 2025	173	58	8	66	66	0	66	7153.72	112
	Jul 2025	54	82	1	83	83	0	83	7153.73	112
	Aug 2025	43	80	1	81	81	0	81	7153.73	112
	Sep 2025	30	74	2	76	76	0	76	7153.73	112
	WY 2025	719	521	49	570	569	0	569		
	Oct 2025	33	71	1	72	72	0	72	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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)
*	Nov 2022	29	21	2	23	21	2	23	6752.92	17	0	21
H	Dec 2022	28	20	2	22	22	0	22	6751.64	17	2	21
I	Jan 2023	28	20	2	22	22	0	22	6751.37	16	2	21
S	Feb 2023	23	18	2	20	4	16	20	6751.71	17	1	19
T	Mar 2023	29	19	2	22	0	22	22	6751.16	16	2	21
O	Apr 2023	97	30	12	42	20	21	41	6752.29	17	19	22
R	May 2023	406	112	42	154	108	41	155	6751.26	16	48	112
I	Jun 2023	357	149	26	176	119	34	174	6757.16	18	63	125
C	Jul 2023	128	130	7	137	117	20	138	6752.61	17	67	76
A	Aug 2023	52	105	3	108	108	0	108	6751.75	17	66	45
L	Sep 2023	29	102	2	104	104	0	104	6752.00	17	63	42
	WY 2023	1243	787	106	894	698	167	893			374	547
*	Oct 2023	32	68	1	69	32	39	70	6747.66	15	49	24
	Nov 2023	31	27	2	29	28	0	28	6753.04	17	0	28
	Dec 2023	29	40	3	43	43	0	43	6753.04	17	0	43
	Jan 2024	29	30	4	34	34	0	34	6753.04	17	0	34
	Feb 2024	17	30	2	32	32	0	32	6753.04	17	0	32
	Mar 2024	28	32	4	36	36	0	36	6753.04	17	5	31
	Apr 2024	52	57	5	62	62	0	62	6753.04	17	42	20
	May 2024	152	75	17	92	92	0	92	6753.04	17	62	30
	Jun 2024	190	66	20	86	86	0	86	6753.03	17	61	25
	Jul 2024	65	85	4	89	89	0	89	6753.04	17	65	24
	Aug 2024	37	87	2	89	89	0	89	6753.04	17	65	24
	Sep 2024	25	77	3	80	80	0	80	6753.04	17	55	25
	WY 2024	687	675	67	742	703	39	741			404	340
	Oct 2024	31	59	3	62	56	6	62	6753.04	17	55	7
	Nov 2024	31	17	3	20	20	0	20	6753.04	17	0	20
	Dec 2024	31	18	4	22	22	0	22	6753.04	17	0	22
	Jan 2025	30	18	4	22	22	0	22	6753.04	17	0	22
	Feb 2025	28	16	3	19	19	0	19	6753.04	17	0	19
	Mar 2025	42	21	5	26	26	0	26	6753.04	17	5	21
	Apr 2025	82	45	10	55	55	0	55	6753.04	17	42	13
	May 2025	195	67	19	86	86	0	86	6753.04	17	62	24
	Jun 2025	190	66	17	83	83	0	83	6753.03	17	61	22
	Jul 2025	57	83	3	86	86	0	86	6753.04	17	65	21
	Aug 2025	48	81	5	86	86	0	86	6753.04	17	65	21
	Sep 2025	34	76	4	80	80	0	80	6753.04	17	55	25
	WY 2025	799	569	80	649	642	6	648			410	238
	Oct 2025	38	72	5	77	60	17	77	6753.04	17	49	28

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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)
* Nov 2022	7	0	7639.00	62
H Dec 2022	5	0	7641.15	67
I Jan 2023	5	0	7643.44	72
S Feb 2023	5	2	7644.74	75
T Mar 2023	7	36	7630.44	46
O Apr 2023	36	45	7625.05	36
R May 2023	119	64	7651.55	91
I Jun 2023	75	41	7664.54	124
C Jul 2023	22	37	7658.55	108
A Aug 2023	11	38	7647.43	81
L Sep 2023	9	32	7636.60	57
WY 2023	314	299		
* Oct 2023	6	9	7635.08	54
Nov 2023	4	2	7636.15	57
Dec 2023	4	2	7637.19	59
Jan 2024	4	2	7638.21	61
Feb 2024	3	2	7638.78	62
Mar 2024	4	2	7639.73	64
Apr 2024	11	2	7643.83	73
May 2024	39	26	7649.12	85
Jun 2024	33	36	7647.72	82
Jul 2024	10	35	7636.11	56
Aug 2024	8	32	7622.11	32
Sep 2024	7	25	7606.25	14
WY 2024	133	174		
Oct 2024	8	13	7599.00	9
Nov 2024	6	2	7604.62	13
Dec 2024	6	2	7609.25	17
Jan 2025	6	2	7613.21	21
Feb 2025	5	2	7616.05	24
Mar 2025	8	2	7620.77	30
Apr 2025	20	2	7631.89	48
May 2025	56	28	7645.11	76
Jun 2025	40	39	7645.44	76
Jul 2025	13	38	7633.46	51
Aug 2025	12	35	7619.34	28
Sep 2025	11	27	7603.70	12
WY 2025	191	191		
Oct 2025	10	15	7596.87	7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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)
*	Nov 2022	23	0	16	1	0	19	6019.52	862	37
H	Dec 2022	17	0	12	0	0	22	6018.45	852	37
I	Jan 2023	20	0	15	0	0	20	6017.85	847	34
S	Feb 2023	18	0	15	1	1	18	6017.38	843	31
T	Mar 2023	71	0	98	1	3	18	6025.86	920	46
O	Apr 2023	245	24	235	2	8	21	6045.83	1124	108
R	May 2023	488	59	375	3	28	127	6063.70	1340	344
I	Jun 2023	249	47	163	4	38	168	6060.10	1294	342
C	Jul 2023	46	11	49	4	45	32	6057.46	1261	82
A	Aug 2023	-3	1	23	3	42	42	6052.15	1196	45
L	Sep 2023	1	0	24	3	25	46	6047.88	1147	47
	WY 2023	1219	144	1059	24	195	565			1203
*	Oct 2023	12	0	16	2	7	32	6045.70	1122	40
	Nov 2023	15	0	13	1	0	23	6044.67	1111	33
	Dec 2023	15	0	13	1	0	19	6044.08	1104	29
	Jan 2024	16	0	14	1	0	19	6043.57	1099	29
	Feb 2024	15	0	14	1	0	19	6043.04	1093	26
	Mar 2024	31	1	28	1	6	24	6042.76	1090	33
	Apr 2024	62	6	47	2	21	30	6042.18	1084	50
	May 2024	124	15	97	3	36	19	6045.75	1123	90
	Jun 2024	93	10	85	4	52	24	6046.26	1129	100
	Jul 2024	18	1	42	4	55	49	6040.16	1062	77
	Aug 2024	15	1	38	3	46	45	6034.70	1006	63
	Sep 2024	16	0	34	2	25	40	6031.40	973	55
	WY 2024	432	33	440	23	248	343			625
	Oct 2024	24	0	29	1	9	29	6030.37	963	45
	Nov 2024	25	1	20	1	0	18	6030.52	965	33
	Dec 2024	24	0	19	0	0	18	6030.57	965	32
	Jan 2025	24	0	20	0	0	18	6030.65	966	31
	Feb 2025	27	1	23	1	0	17	6031.20	971	29
	Mar 2025	74	7	60	1	5	18	6034.76	1007	36
	Apr 2025	110	13	79	2	21	18	6038.51	1045	58
	May 2025	190	25	137	3	35	18	6046.01	1126	130
	Jun 2025	102	12	89	4	51	19	6047.37	1141	118
	Jul 2025	9	0	34	4	55	50	6040.43	1065	80
	Aug 2025	2	0	25	3	47	45	6033.62	995	67
	Sep 2025	13	0	29	2	26	37	6029.99	959	56
	WY 2025	624	59	565	22	249	307			717
	Oct 2025	25	0	29	1	9	25	6029.37	953	42

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum Probable Inflow*

Lake Powell



— BUREAU OF —
RECLAMATION

		Unreg	Regulated	Evap	PowerPlant	Bypass	Total	Reservoir Elev	Bank	EOM	Lees
	Date	Inflow	Inflow	Losses	Release	Release	Release	End of Month	Storage	Storage	Ferry Gage
		(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)
*	Nov 2022	349	394	17	498	0	498	3528.02	4511	5720	507
H	Dec 2022	281	358	13	550	0	550	3524.75	4496	5531	560
I	Jan 2023	361	424	4	500	0	501	3523.45	4490	5456	510
S	Feb 2023	270	337	4	480	0	480	3521.04	4479	5320	493
T	Mar 2023	573	552	6	486	0	486	3522.02	4484	5375	500
O	Apr 2023	1399	1103	10	819	90	909	3524.99	4497	5544	929
R	May 2023	4520	3634	15	1088	0	1088	3561.42	4685	7888	1107
I	Jun 2023	3646	2916	31	1064	0	1064	3583.47	4820	9574	1082
C	Jul 2023	1054	923	40	1149	0	1149	3580.42	4800	9328	1164
A	Aug 2023	307	454	39	902	0	902	3574.71	4764	8878	908
L	Sep 2023	224	414	35	474	0	474	3573.58	4757	8790	475
	WY 2023	13421	12043	230	8491	90	8581				8730
*	Oct 2023	324	432	24	480	0	480	3572.71	4752	8724	477
	Nov 2023	360	381	23	500	0	500	3570.98	4741	8592	508
	Dec 2023	320	412	18	600	0	600	3568.44	4726	8401	616
	Jan 2024	340	416	5	723	0	723	3564.53	4703	8112	740
	Feb 2024	215	312	5	639	0	639	3560.25	4678	7804	654
	Mar 2024	302	313	9	675	0	675	3555.34	4651	7461	685
	Apr 2024	450	449	14	601	0	601	3553.09	4638	7307	610
	May 2024	1046	955	17	599	0	599	3557.65	4663	7621	601
	Jun 2024	1336	1084	28	628	0	628	3563.23	4695	8018	625
	Jul 2024	479	550	34	709	0	709	3560.74	4681	7839	713
	Aug 2024	203	362	33	758	0	758	3555.07	4649	7443	772
	Sep 2024	198	342	29	568	0	568	3551.61	4630	7206	582
	WY 2024	5573	6009	240	7480	0	7480				7583
	Oct 2024	307	365	20	480	0	480	3549.75	4620	7081	492
	Nov 2024	382	370	19	500	0	500	3547.67	4609	6943	512
	Dec 2024	347	349	15	600	0	600	3543.88	4589	6696	616
	Jan 2025	333	328	4	723	0	723	3538.05	4560	6327	741
	Feb 2025	378	362	4	639	0	639	3533.83	4539	6067	654
	Mar 2025	564	487	7	675	0	675	3530.82	4525	5886	686
	Apr 2025	716	587	11	601	0	601	3530.43	4523	5863	610
	May 2025	1552	1299	14	599	0	599	3540.78	4574	6498	602
	Jun 2025	1570	1248	24	628	0	628	3549.29	4618	7051	632
	Jul 2025	298	402	30	709	0	709	3544.54	4593	6739	715
	Aug 2025	211	371	29	758	0	758	3538.49	4562	6354	773
	Sep 2025	226	363	26	568	0	568	3535.02	4545	6140	582
	WY 2025	6884	6532	203	7480	0	7480				7615
	Oct 2025	350	412	17	480	0	480	3533.72	4539	6061	496

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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
			(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 CFS)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
*	Nov 2022	498	18	40	713	12.0	8	714	467	1043.02	7187
H	Dec 2022	550	63	32	438	7.1	8	439	475	1044.82	7313
I	Jan 2023	501	103	22	412	6.7	7	413	485	1046.97	7466
S	Feb 2023	480	46	21	494	8.9	8	493	485	1047.02	7469
T	Mar 2023	486	226	23	754	12.3	11	749	481	1046.03	7399
O	Apr 2023	909	243	31	831	14.0	12	830	498	1049.69	7661
R	May 2023	1088	185	40	855	13.9	22	772	520	1054.28	7995
I	Jun 2023	1064	62	50	886	14.9	23	874	530	1056.39	8152
C	Jul 2023	1149	61	48	760	12.4	30	758	553	1061.02	8501
A	Aug 2023	902	112	54	580	9.4	25	580	574	1065.35	8834
L	Sep 2023	474	126	53	492	8.3	16	462	577	1065.82	8871
	WY 2023	8581	1340	458	7633		187	7518			
*	Oct 2023	480	31	50	487	7.9	14	521	574	1065.34	8833
	Nov 2023	500	44	44	558	9.4	9	558	570	1064.53	8770
	Dec 2023	600	83	36	382	6.2	9	382	586	1067.61	9011
	Jan 2024	723	94	25	565	9.2	10	565	599	1070.18	9214
	Feb 2024	639	80	23	545	9.5	7	545	608	1071.87	9348
	Mar 2024	675	50	25	884	14.4	14	884	596	1069.53	9162
	Apr 2024	601	47	34	1014	17.0	15	1014	570	1064.57	8773
	May 2024	599	13	42	994	16.2	19	994	543	1059.13	8357
	Jun 2024	628	-16	50	904	15.2	27	904	521	1054.49	8011
	Jul 2024	709	19	47	799	13.0	31	799	512	1052.59	7871
	Aug 2024	758	79	51	761	12.4	32	761	511	1052.49	7864
	Sep 2024	568	75	49	659	11.1	28	659	505	1051.29	7777
	WY 2024	7480	598	476	8551		215	8585			
	Oct 2024	480	65	47	471	7.7	23	471	506	1051.34	7780
	Nov 2024	500	66	41	598	10.0	13	598	500	1050.23	7699
	Dec 2024	600	85	33	529	8.6	9	529	507	1051.70	7806
	Jan 2025	723	96	23	582	9.5	10	582	520	1054.32	7998
	Feb 2025	639	80	22	554	10.0	7	554	528	1056.04	8126
	Mar 2025	675	58	24	884	14.4	14	884	517	1053.65	7949
	Apr 2025	601	48	31	1015	17.1	15	1015	491	1048.31	7561
	May 2025	599	15	39	997	16.2	20	997	465	1042.44	7147
	Jun 2025	628	23	46	907	15.2	27	907	444	1037.94	6837
	Jul 2025	709	31	44	802	13.0	31	802	436	1036.05	6708
	Aug 2025	758	79	47	764	12.4	33	764	436	1035.95	6701
	Sep 2025	568	77	46	662	11.1	29	662	430	1034.66	6615
	WY 2025	7480	723	442	8766		232	8766			
	Oct 2025	480	77	43	475	7.7	24	475	431	1034.88	6630

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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)
*	Nov 2022	713	-15	13	516	0	516	8.7	640.22	1623
H	Dec 2022	438	4	13	436	0	436	7.1	639.97	1617
I	Jan 2023	412	2	9	347	0	347	5.6	642.12	1675
S	Feb 2023	494	-18	8	429	0	444	8.0	643.00	1699
T	Mar 2023	754	-6	10	705	0	705	11.5	644.17	1731
O	Apr 2023	831	-10	13	844	0	844	14.2	642.84	1694
R	May 2023	855	-10	14	833	0	859	14.0	641.83	1667
I	Jun 2023	886	-15	14	819	0	819	13.8	643.22	1705
C	Jul 2023	760	-15	12	736	0	736	12.0	643.06	1700
A	Aug 2023	580	-14	16	555	0	555	9.0	642.86	1695
L	Sep 2023	492	-7	16	563	0	578	9.7	638.85	1587
	WY 2023	7633	-107	152	7325	0	7381			
*	Oct 2023	487	-1	14	547	0	547	8.9	635.96	1511
	Nov 2023	558	-16	13	449	0	449	7.5	639.01	1591
	Dec 2023	382	-2	13	341	0	341	5.5	640.01	1618
	Jan 2024	565	-11	9	497	0	497	8.1	641.80	1666
	Feb 2024	545	-13	8	525	0	525	9.1	641.80	1666
	Mar 2024	884	-10	10	830	0	830	13.5	643.05	1700
	Apr 2024	1014	-14	13	989	0	989	16.6	643.00	1699
	May 2024	994	-13	14	966	0	966	15.7	643.00	1699
	Jun 2024	904	-21	14	869	0	869	14.6	643.00	1699
	Jul 2024	799	-21	12	792	0	792	12.9	642.00	1671
	Aug 2024	761	-17	15	729	0	729	11.9	642.00	1671
	Sep 2024	659	-6	16	690	0	690	11.6	640.01	1617
	WY 2024	8551	-144	151	8224	0	8224			
	Oct 2024	471	-11	14	629	0	629	10.2	633.00	1434
	Nov 2024	598	-16	13	518	0	518	8.7	635.00	1486
	Dec 2024	529	-2	13	397	0	397	6.4	639.51	1604
	Jan 2025	582	-11	9	500	0	500	8.1	641.80	1666
	Feb 2025	554	-13	8	534	0	534	9.6	641.80	1666
	Mar 2025	884	-10	10	830	0	830	13.5	643.05	1700
	Apr 2025	1015	-14	13	990	0	990	16.6	643.00	1699
	May 2025	997	-13	14	970	0	970	15.8	643.00	1699
	Jun 2025	907	-21	14	873	0	873	14.7	643.00	1699
	Jul 2025	802	-21	12	796	0	796	12.9	642.00	1671
	Aug 2025	764	-17	15	732	0	732	11.9	642.00	1671
	Sep 2025	662	-6	16	694	0	694	11.7	640.01	1617
	WY 2025	8766	-154	151	8461	0	8461			
	Oct 2025	475	-11	14	633	0	633	10.3	633.00	1434

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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)
*	Nov 2022	516	1	9	336	5.6	103	67	447.11	563	89	1.5
H	Dec 2022	436	14	7	277	4.5	101	63	447.06	562	87	1.4
I	Jan 2023	347	16	6	261	4.2	54	40	447.14	564	125	2.0
S	Feb 2023	444	1	8	370	6.7	16	40	447.47	570	130	2.3
T	Mar 2023	705	39	9	553	9.0	70	91	448.31	586	168	2.7
O	Apr 2023	844	50	11	669	11.2	49	169	447.68	574	153	2.6
R	May 2023	859	31	13	655	10.7	73	166	446.26	547	135	2.2
I	Jun 2023	819	16	15	636	10.7	70	69	448.25	585	130	2.2
C	Jul 2023	736	17	17	634	10.3	70	22	448.36	587	131	2.1
A	Aug 2023	555	22	17	485	7.9	61	19	447.78	576	105	1.7
L	Sep 2023	578	13	15	462	7.8	43	55	448.12	582	123	2.1
	WY 2023	7381	247	139	5730		816	867			1443	
*	Oct 2023	547	17	12	439	7.1	44	69	447.74	575	68	1.1
	Nov 2023	449	14	9	344	5.8	66	53	447.00	561	86	1.4
	Dec 2023	341	17	6	237	3.9	71	49	446.50	552	83	1.3
	Jan 2024	497	7	6	313	5.1	103	75	446.50	552	138	2.2
	Feb 2024	525	4	8	411	7.1	20	83	446.50	552	124	2.2
	Mar 2024	830	2	9	608	9.9	106	96	446.70	555	147	2.4
	Apr 2024	989	7	11	727	12.2	101	108	448.70	593	147	2.5
	May 2024	966	4	13	734	11.9	97	114	448.70	593	110	1.8
	Jun 2024	869	10	16	714	12.0	95	44	448.70	593	116	2.0
	Jul 2024	792	17	17	686	11.2	97	11	448.00	580	123	2.0
	Aug 2024	729	19	17	621	10.1	97	11	447.50	571	102	1.7
	Sep 2024	690	12	15	533	9.0	95	49	447.50	570	99	1.7
	WY 2024	8224	129	139	6366		992	763			1342	
	Oct 2024	629	21	12	482	7.8	97	51	447.50	571	89	1.4
	Nov 2024	518	14	9	375	6.3	95	47	447.50	570	115	1.9
	Dec 2024	397	17	7	270	4.4	97	54	446.50	552	110	1.8
	Jan 2025	500	7	6	313	5.1	106	75	446.50	552	138	2.2
	Feb 2025	534	4	8	411	7.4	29	83	446.50	552	124	2.2
	Mar 2025	830	2	9	608	9.9	106	96	446.70	555	147	2.4
	Apr 2025	990	7	11	726	12.2	103	108	448.70	593	147	2.5
	May 2025	970	4	13	733	11.9	100	114	448.70	593	110	1.8
	Jun 2025	873	10	16	714	12.0	98	44	448.70	593	116	2.0
	Jul 2025	796	17	17	686	11.2	100	11	448.00	580	123	2.0
	Aug 2025	732	19	17	621	10.1	100	11	447.50	571	102	1.7
	Sep 2025	694	12	15	533	9.0	98	49	447.50	570	99	1.7
	WY 2025	8461	134	139	6472		1130	745			1420	
	Oct 2025	633	21	12	482	7.8	100	51	447.50	571	89	1.4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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
*	Nov 2022	713	12.0	1043.02	7187	-230	395.39	948.8	254.6	72	357.1
H	Dec 2022	438	7.1	1044.82	7313	126	403.20	975.8	152.9	72	348.9
I	Jan 2023	412	6.7	1046.97	7466	152	403.66	866.6	143.8	64	348.8
S	Feb 2023	494	8.9	1047.02	7469	4	399.03	810.5	175.9	60	356.5
T	Mar 2023	754	12.3	1046.03	7399	-70	397.62	863.6	270.4	65	358.8
O	Apr 2023	831	14.0	1049.69	7661	262	402.80	839.3	300.5	65	361.7
R	May 2023	855	13.9	1054.28	7995	335	405.85	986.6	313.1	71	366.3
I	Jun 2023	886	14.9	1056.39	8152	156	407.42	1080.0	326.9	78	369.0
C	Jul 2023	760	12.4	1061.02	8501	349	413.93	1283.0	280.8	90	369.5
A	Aug 2023	580	9.4	1065.35	8834	333	420.26	1308.1	212.8	90	366.9
L	Sep 2023	492	8.3	1065.82	8871	37	419.70	1160.0	181.4	79	368.4
	WY 2023	7632							2759.0		
*	Oct 2023	487	7.9	1065.34	8833	-37	421.11	1037.5	180.9	71	371.7
	Nov 2023	558	9.4	1064.53	8770	-63	418.83	948.0	209.0	66	374.3
	Dec 2023	382	6.2	1067.61	9011	241	418.64	957.0	140.1	66	366.5
	Jan 2024	565	9.2	1070.18	9214	203	419.98	1044.0	210.9	71	373.2
	Feb 2024	545	9.5	1071.87	9348	134	422.41	921.1	206.3	62	378.6
	Mar 2024	884	14.4	1069.53	9162	-186	420.30	1112.0	342.6	75	387.4
	Apr 2024	1014	17.0	1064.57	8773	-389	414.37	1367.8	377.6	93	372.6
	May 2024	994	16.2	1059.13	8357	-416	409.85	1249.0	364.5	88	366.8
	Jun 2024	904	15.2	1054.49	8011	-347	403.56	1393.4	327.2	100	362.0
	Jul 2024	799	13.0	1052.59	7871	-139	400.65	1403.2	288.2	100	360.8
	Aug 2024	761	12.4	1052.49	7864	-7	399.99	1402.6	272.7	100	358.4
	Sep 2024	659	11.1	1051.29	7777	-88	399.99	1394.9	233.3	100	354.0
	WY 2024	8551							3153.3		
	Oct 2024	471	7.7	1051.34	7780	3	405.90	833.0	172.7	60	366.2
	Nov 2024	598	10.0	1050.23	7699	-80	407.66	828.8	220.4	60	368.8
	Dec 2024	529	8.6	1051.70	7806	107	405.36	882.1	190.0	63	359.0
	Jan 2025	582	9.5	1054.32	7998	191	405.21	874.2	211.2	63	363.2
	Feb 2025	554	10.0	1056.04	8126	128	407.30	790.2	204.5	56	369.1
	Mar 2025	884	14.4	1053.65	7949	-177	406.52	797.8	335.1	57	379.0
	Apr 2025	1015	17.1	1048.31	7561	-388	399.12	1196.0	364.3	87	359.0
	May 2025	997	16.2	1042.44	7147	-414	393.56	1167.2	349.6	87	350.7
	Jun 2025	907	15.2	1037.94	6837	-310	388.45	1139.2	316.3	87	348.5
	Jul 2025	802	13.0	1036.05	6708	-129	384.28	1297.3	276.0	100	344.2
	Aug 2025	764	12.4	1035.95	6701	-7	383.62	1296.7	261.3	100	342.0
	Sep 2025	662	11.1	1034.66	6615	-86	383.58	1288.5	224.0	100	338.2
	WY 2025	8766							3125.4		
	Oct 2025	475	7.7	1034.88	6630	15	387.60	1004.7	165.3	78	348.0

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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
*	Nov 2022	516	8.7	640.22	1623	169	141.13	154.7	62.5	61	121.1
H	Dec 2022	436	7.1	639.97	1617	-7	140.89	159.6	53.9	63	123.5
I	Jan 2023	347	5.6	642.12	1675	58	143.26	157.9	44.3	62	127.7
S	Feb 2023	429	8.0	643.00	1699	24	141.81	185.8	56.7	73	132.3
T	Mar 2023	705	11.5	644.17	1731	32	141.44	215.5	93.4	85	132.4
O	Apr 2023	844	14.2	642.84	1694	-36	138.90	255.0	108.3	100	128.3
R	May 2023	833	14.0	641.83	1667	-28	137.48	255.0	109.4	100	131.4
I	Jun 2023	819	13.8	643.22	1705	38	141.71	249.9	103.9	98	126.9
C	Jul 2023	736	12.0	643.06	1700	-4	143.75	250.1	94.0	98	127.6
A	Aug 2023	555	9.0	642.86	1695	-5	143.43	255.0	71.5	100	128.7
L	Sep 2023	563	9.7	638.85	1587	-108	139.25	204.0	73.6	80	130.8
WY 2023		7325							938.3		
*	Oct 2023	547	8.9	635.96	1511	-76	132.98	189.2	67.1	74	122.7
	Nov 2023	449	7.5	639.01	1591	80	136.69	156.4	55.3	61	123.1
	Dec 2023	341	5.5	640.01	1618	27	139.64	167.8	42.9	66	125.8
	Jan 2024	497	8.1	641.80	1666	49	139.87	164.5	62.6	65	126.0
	Feb 2024	525	9.1	641.80	1666	0	140.31	200.5	66.3	79	126.4
	Mar 2024	830	13.5	643.05	1700	34	139.22	210.6	104.1	83	125.4
	Apr 2024	989	16.6	643.00	1699	-2	138.73	255.0	123.6	100	125.0
	May 2024	966	15.7	643.00	1699	0	139.01	255.0	121.0	100	125.2
	Jun 2024	869	14.6	643.00	1699	0	139.39	255.0	109.2	100	125.6
	Jul 2024	792	12.9	642.00	1671	-27	139.51	255.0	99.6	100	125.7
	Aug 2024	729	11.9	642.00	1671	0	139.41	255.0	91.5	100	125.6
	Sep 2024	690	11.6	640.01	1617	-54	138.50	255.0	86.1	100	124.8
WY 2024		8224							1029.4		
	Oct 2024	629	10.2	633.00	1434	-183	134.55	227.0	76.3	89	121.2
	Nov 2024	518	8.7	635.00	1486	51	132.70	159.8	61.9	63	119.6
	Dec 2024	397	6.4	639.51	1604	118	136.96	154.7	48.9	61	123.4
	Jan 2025	500	8.1	641.80	1666	62	139.60	156.3	62.9	61	125.8
	Feb 2025	534	9.6	641.80	1666	0	140.10	156.6	67.4	61	126.2
	Mar 2025	830	13.5	643.05	1700	34	139.22	194.1	104.1	76	125.4
	Apr 2025	990	16.6	643.00	1699	-2	138.73	249.9	123.7	98	125.0
	May 2025	970	15.8	643.00	1699	0	138.99	255.0	121.4	100	125.2
	Jun 2025	873	14.7	643.00	1699	0	139.37	255.0	109.6	100	125.6
	Jul 2025	796	12.9	642.00	1671	-27	139.49	255.0	100.0	100	125.7
	Aug 2025	732	11.9	642.00	1671	0	139.38	255.0	91.9	100	125.6
	Sep 2025	694	11.7	640.01	1617	-54	138.48	255.0	86.6	100	124.8
WY 2025		8461							1054.6		
	Oct 2025	633	10.3	633.00	1434	-183	134.53	227.0	76.7	89	121.2

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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
*	Nov 2022	336	5.6	447.11	563	-1	82.56	82.0	22.8	68	68.0
H	Dec 2022	277	4.5	447.06	562	0	82.38	60.0	18.5	50	66.8
I	Jan 2023	261	4.2	447.14	564	2	81.41	72.6	17.3	60	66.4
S	Feb 2023	357	6.7	447.47	570	6	81.43	94.3	25.4	79	71.2
T	Mar 2023	553	9.0	448.31	586	16	81.24	120.0	38.6	100	69.8
O	Apr 2023	669	11.2	447.68	574	-12	79.27	120.0	46.4	100	69.4
R	May 2023	655	10.7	446.26	547	-26	78.52	116.1	45.3	97	69.2
I	Jun 2023	636	10.7	448.25	585	37	79.10	120.0	44.0	100	69.2
C	Jul 2023	634	10.3	448.36	587	2	82.12	120.0	44.1	100	69.6
A	Aug 2023	485	7.9	447.78	576	-11	81.56	120.0	33.5	100	69.1
L	Sep 2023	449	7.8	448.12	582	7	81.96	120.0	32.1	100	71.7
WY 2023		5703							395.3		
*	Oct 2023	439	7.1	447.74	575	-7	81.03	91.0	30.6	76	69.6
	Nov 2023	344	5.8	447.00	561	-14	80.21	80.0	23.6	67	68.7
	Dec 2023	237	3.9	446.50	552	-9	80.64	60.0	15.1	50	63.6
	Jan 2024	313	5.1	446.50	552	0	79.71	73.5	20.9	61	66.8
	Feb 2024	411	7.1	446.50	552	0	78.66	96.2	28.4	80	69.1
	Mar 2024	608	9.9	446.70	555	4	77.53	120.0	41.7	100	68.6
	Apr 2024	727	12.2	448.70	593	38	77.71	120.0	50.5	100	69.5
	May 2024	734	11.9	448.70	593	0	78.82	120.0	51.5	100	70.2
	Jun 2024	714	12.0	448.70	593	0	78.79	120.0	50.1	100	70.2
	Jul 2024	686	11.2	448.00	580	-13	78.77	120.0	47.9	100	69.8
	Aug 2024	621	10.1	447.50	571	-10	78.59	120.0	43.1	100	69.4
	Sep 2024	533	9.0	447.50	570	0	78.83	120.0	36.9	100	69.3
WY 2024		6366							440.4		
	Oct 2024	482	7.8	447.50	571	0	79.34	90.0	33.8	75	70.1
	Nov 2024	375	6.3	447.50	570	0	80.08	92.0	25.7	77	68.6
	Dec 2024	270	4.4	446.50	552	-19	80.59	114.2	17.2	95	63.6
	Jan 2025	313	5.1	446.50	552	0	79.71	94.8	20.9	79	66.8
	Feb 2025	411	7.4	446.50	552	0	78.54	92.1	28.4	77	69.0
	Mar 2025	608	9.9	446.70	555	4	77.53	120.0	41.7	100	68.6
	Apr 2025	726	12.2	448.70	593	38	77.71	120.0	50.5	100	69.5
	May 2025	733	11.9	448.70	593	0	78.82	120.0	51.5	100	70.2
	Jun 2025	714	12.0	448.70	593	0	78.79	120.0	50.1	100	70.2
	Jul 2025	686	11.2	448.00	580	-13	78.77	120.0	47.9	100	69.8
	Aug 2025	621	10.1	447.50	571	-10	78.59	120.0	43.1	100	69.4
	Sep 2025	533	9.0	447.50	570	0	78.83	120.0	36.9	100	69.3
WY 2025		6472							447.7		
	Oct 2025	482	7.8	447.50	571	0	79.34	90.0	33.8	75	70.1

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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
*	Nov 2022	181	38	0	6	2	1
H	Dec 2022	199	40	1	6	2	4
I	Jan 2023	182	41	4	5	2	4
S	Feb 2023	172	37	5	6	0	1
T	Mar 2023	173	23	4	6	0	3
	Winter 2023	1083	220	15	49	16	15
O	Apr 2023	291	17	5	9	3	4
R	May 2023	412	18	21	40	20	7
I	Jun 2023	439	43	32	50	22	8
C	Jul 2023	483	29	38	45	22	8
A	Aug 2023	374	44	31	37	21	6
L	Sep 2023	194	44	4	35	20	6
	Summer 2023	2195	194	131	215	109	39
*	Oct 2023	199	38	8	23	6	6
	Nov 2023	196	24	10	10	5	5
	Dec 2023	234	38	12	14	7	5
	Jan 2024	280	38	8	11	6	5
	Feb 2024	246	36	8	11	5	4
	Mar 2024	257	20	9	11	6	2
	Winter 2024	1412	195	55	80	36	26
	Apr 2024	227	19	15	21	11	2
	May 2024	226	45	20	27	16	2
	Jun 2024	240	18	16	24	15	2
	Jul 2024	271	19	25	31	15	3
	Aug 2024	287	23	26	31	15	3
	Sep 2024	213	22	23	28	14	2
	Summer 2024	1465	146	125	162	86	14
	Oct 2024	179	17	17	21	10	0
	Nov 2024	186	16	4	6	3	0
	Dec 2024	221	17	5	6	4	1
	Jan 2025	263	17	5	6	4	3
	Feb 2025	230	15	4	6	3	3
	Mar 2025	242	17	6	8	5	3
	Winter 2025	1321	97	40	54	29	11
	Apr 2025	214	16	11	16	10	2
	May 2025	216	45	15	24	15	5
	Jun 2025	231	18	18	24	14	7
	Jul 2025	262	24	26	30	15	4
	Aug 2025	276	26	25	29	15	4
	Sep 2025	204	25	23	28	14	4
	Summer 2025	1403	154	119	151	83	26
	Oct 2025	172	19	22	26	10	4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Minimum 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	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	
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Nov 2023	508	228	526	14590	15852	18787	34639	508	228	526	1262	14590	18787	34639	3810	558	0	24.9
Dec 2023	529	232	537	14721	16019	18850	34869	529	232	537	1298	14721	18850	34869	4580	382	0	24.9
Jan 2024	603	244	544	14913	16304	18609	34913	603	244	544	1391	14913	18609	34913	5350	565	0	24.8
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****										
Jan 2024	603	244	544	14913	16304	18609	34913	14	101	143	258	14913	18609	33780	5350	565	0	24.8
Feb 2024	673	247	549	15202	16671	18406	35077	82	106	148	336	15202	18406	33943	1500	545	0	24.5
Mar 2024	753	260	555	15509	17077	18272	35348	160	121	153	434	15509	18272	34215	1500	884	0	24.0
Apr 2024	761	264	558	15853	17436	18458	35894	165	128	149	442	15853	18458	34753	1500	1014	0	23.5
May 2024	760	275	564	16007	17607	18847	36453	158	139	132	429	16007	18847	35283	1500	994	0	23.4
Jun 2024	790	228	525	15693	17235	19263	36498	182	79	54	315	15693	19263	35270	1500	904	0	23.7
Jul 2024	661	142	519	15296	16618	19609	36227	40	-24	-7	9	15296	19609	34914	1500	799	0	23.3
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****										
Aug 2024	635	162	586	15475	16857	19749	36605	635	162	586	1382	15475	19749	36605	1500	761	0	22.7
Sep 2024	677	206	642	15871	17396	19756	37152	677	206	642	1525	15871	19756	37152	2270	659	0	22.2
Oct 2024	728	255	675	16108	17766	19843	37609	728	255	675	1658	16108	19843	37609	3040	471	0	21.8
Nov 2024	748	286	685	16232	17952	19840	37792	748	286	685	1719	16232	19840	37792	3810	598	0	21.7
Dec 2024	758	274	683	16371	18086	19921	38007	758	274	683	1715	16371	19921	38007	4580	529	0	21.6
Jan 2025	776	264	683	16618	18340	19814	38154	776	264	683	1723	16618	19814	38154	5350	582	0	21.5
**** EFFECTIVE SPACE ****								**** CREDITABLE SPACE ****										
Jan 2025	776	264	683	16618	18340	19814	38154	299	245	283	827	16618	19814	37258	5350	582	0	21.5
Feb 2025	788	254	682	16987	18712	19622	38334	308	237	282	827	16987	19622	37436	1500	554	0	21.4
Mar 2025	794	245	677	17247	18963	19494	38457	311	228	276	815	17247	19494	37556	1500	884	0	21.1
Apr 2025	779	229	641	17428	19077	19671	38748	292	212	234	738	17428	19671	37837	1500	1015	0	20.8
May 2025	742	206	603	17451	19001	20059	39060	249	186	172	607	17451	20059	38117	1500	997	0	21.3
Jun 2025	717	112	522	16815	18167	20473	38641	216	77	53	347	16815	20473	37636	1500	907	0	21.8
Jul 2025	538	20	507	16263	17328	20783	38111	21	-29	-17	-24	16263	20783	37022	1500	802	0	21.2
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****										
Aug 2025	531	42	583	16575	17730	20912	38642	531	42	583	1156	16575	20912	38642	1500	764	0	20.7
Sep 2025	575	74	653	16960	18261	20919	39180	575	74	653	1302	16960	20919	39180	2270	662	0	20.2
Oct 2025	626	112	688	17174	18601	21005	39606	626	112	688	1427	17174	21005	39606	3040	475	0	19.9

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