



To: All Annual Operating Plan Recipients

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Subject: November 2023 Most Probable 24-Month Study

The operation of Lake Powell and Lake Mead in the November 2023 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 2023 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2022 24-Month Study projections of the January 1, 2023, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2023.

Consistent with Section 2.D.1 of the Interim Guidelines, a Shortage Condition consistent with Section 2.D.1.b is governing the operation of Lake Mead for calendar year (CY) 2023. In addition, Section III.B of Exhibit 1 to the Lower Basin Drought Contingency Plan (DCP) Agreement will govern the operation of Lake Mead for CY 2023. Efforts to conserve additional water in Lake Mead under a 2021 Lower Basin Memorandum of Understanding (MOU) to facilitate near-term actions to maintain the water surface elevation of Lake Mead and additional conservation efforts under the Lower Colorado River Basin System Conservation and Efficiency Program (LC Conservation Program) will also take place in CY 2023.

The August 2023 24-Month study projected the January 1, 2024, Lake Powell elevation to be less than 3,575 feet and at or above 3,525 feet and the Lake Mead elevation to be at or above 1,025 feet. Consistent with Section 6.C.1 of the Interim Guidelines the operational tier for Lake Powell in water year (WY) 2024 will be the Mid-Elevation Release Tier and the water year release volume from Lake Powell will be 7.48 million acre-feet (maf).

The 2022 Drought Response Operations Agreement (DROA) Plan¹ for May 2022 through April 2023 was amended to suspend 2022 DROA Plan releases as of March 7, 2023. A total DROA release of approximately 463 thousand acre-feet (kaf) occurred under the 2022 DROA Plan. Reclamation will attempt to maximize DROA recovery in the Upper Initial Units in WY 2023 and through April 2024. Reclamation will provide monthly DROA accounting, including DROA releases and recovery, which can be found online at: <https://www.usbr.gov/dcp/DROSummarySheet.pdf>.

In May of 2023, the DROA Parties agreed to the 2023 DROA Plan. The 2023 DROA Plan does not include any DROA releases, but rather provides for recovery of prior DROA releases from the units upstream of Powell.

Reclamation will continue to carefully monitor hydrologic and operational conditions and assess the need for additional responsive actions and/or changes to operations. Reclamation will continue to consult with the Basin States, Basin Tribes, Mexico, and other partners on Colorado River operations to consider and determine whether additional measures should be taken to further enhance the preservation of these benefits, as well as recovery protocols, including those of future protective measures for both Lakes Powell and Mead.

¹ For more information: <https://www.usbr.gov/uc/DocLibrary/Plans/20220429-2022DroughtResponseOperationsPlan-ApprovalMemo-508-DOI.pdf>.

The August 2023 24-Month Study projected the January 1, 2024 Lake Mead elevation to be below 1,075 feet and above 1,050 feet. Consistent with Section 2.D.1 of the Interim Guidelines, a Shortage Condition consistent with Section 2.D.1.a will govern the operation of Lake Mead for CY 2024. In addition, Section III.B of Exhibit 1 to the Lower Basin DCP Agreement will also govern the operation of Lake Mead for CY 2024. Lower Basin projections for Lake Mead take into consideration updated water orders to reflect additional conservation efforts under the LC Conservation Program.

The 2024 operational tier determinations for Lake Powell and Lake Mead will be documented in the 2024 AOP, which is currently in development.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center. The observed unregulated inflow into Lake Powell for the month of October was 0.323 maf or 71% of the 30-year average from 1991 to 2020. The November 2023 unregulated inflow forecast for Lake Powell is 0.360 maf or 86% of the 30-year average. The observed 2023 April through July unregulated inflow is 10.62 maf or 166% of average. The observed WY 2023 unregulated inflow is 13.42 maf or 140% of average.

In this study, the CY 2023 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 0.687 maf. The CY 2023 diversion for the Central Arizona Project (CAP) is projected to be 0.842 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.186 maf for CY 2023.

Due to changing Lake Mead elevations, Hoover's generator capacity is adjusted based on estimated effective capacity and plant availability. The estimated effective capacity is based on projected Lake Mead elevations. Unit capacity tests will be performed as the lake elevation changes. This study reflects these changes in the projections.

Hoover, Davis, and Parker Dam historical gross energy figures come from Power, Operations, and Maintenance 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 Rebecca Rogers at (702) 293-8091.

Runoff and inflow projections into upper basin reservoirs are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows:

Reservoir	Observed Inflow (kaf)				Oct	Inflow Forecast (kaf)			Observed	
	Jul	Aug	Sep	Oct	%Avg	Nov	Dec	Jan	Apr-Jul	%Avg
Lake Powell	1054	307	224	323	71%	360	320	340	10619	166%
Fontenelle	141	74	50	53	118%	45	35	32	951	129%
Flaming Gorge	174	95	67	69	130%	56	39	45	1457	151%
Blue Mesa	117	49	26	30	83%	28	25	23	833	131%
Morrow Point	121	49	27	31	81%	29	26	25	901	131%
Crystal	128	52	29	32	75%	31	29	29	988	128%
Taylor Park	22	8.8	5.5	5.8	89%	4.3	4.4	4.2	118	126%
Vallecito	22	10.6	8.7	6.3	45%	4.4	4.3	4	252	142%
Navajo	46	-3.53	0.86	12.3	32%	17	17	18	1028	163%
Lemon	4.9	2	1.77	0.94	33%	0.7	0.6	0.6	67	140%
McPhee	23	10	8.3	3.1	37%	2.8	2.8	3.2	527	207%
Ridgway	28	11.2	5.8	5.2	70%	4.6	4	3.5	110	120%
Deerlodge	76	19	8.2	21	72%	26	24	25	2002	168%
Durango	75	23	15	12.7	50%	11	11	11	532	138%

The draft 2024 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 DCPs are available online at:

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

The 2021 Lower Basin 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 LC 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

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)
* 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	67	0	67	6494.27	247
Dec 2023	35	1	69	0	69	6489.09	212
Jan 2024	32	1	69	0	69	6482.91	175
Feb 2024	30	1	65	0	65	6476.15	139
Mar 2024	48	0	67	0	67	6471.74	120
Apr 2024	70	1	35	20	55	6475.12	135
May 2024	140	1	98	0	98	6483.00	175
Jun 2024	285	2	103	74	177	6499.05	281
Jul 2024	160	3	102	13	115	6504.74	324
Aug 2024	60	2	92	0	92	6500.27	290
Sep 2024	40	2	70	0	70	6495.87	258
WY 2024	998	15	901	109	1010		
Oct 2024	45	1	0	55	55	6494.23	247
Nov 2024	42	1	0	61	61	6491.33	227
Dec 2024	32	1	20	48	68	6485.68	191
Jan 2025	31	1	68	0	68	6479.06	154
Feb 2025	29	0	61	0	61	6472.07	121
Mar 2025	51	0	55	0	55	6471.12	117
Apr 2025	77	1	38	10	48	6477.44	145
May 2025	166	1	92	0	92	6489.93	218
Jun 2025	301	2	105	122	227	6500.14	289
Jul 2025	146	3	101	12	114	6504.09	319
Aug 2025	59	2	77	0	77	6501.49	299
Sep 2025	39	2	65	0	65	6497.65	271
WY 2025	1018	15	682	309	990		
Oct 2025	45	1	68	0	68	6494.29	247

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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)
*	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	78	3	89	0	89	124	6028.79	3219	115
	Dec 2023	39	73	2	131	0	131	121	6027.21	3161	155
	Jan 2024	45	82	2	131	0	131	119	6025.83	3112	156
	Feb 2024	49	84	2	123	0	123	118	6024.71	3073	148
	Mar 2024	100	119	3	65	0	65	120	6026.12	3122	130
	Apr 2024	115	100	5	62	0	62	121	6027.00	3154	257
	May 2024	200	158	7	176	0	176	120	6026.31	3129	671
	Jun 2024	360	252	10	141	0	141	124	6028.98	3226	511
	Jul 2024	180	135	14	76	0	76	126	6030.11	3269	136
	Aug 2024	70	102	13	106	0	106	125	6029.69	3253	122
	Sep 2024	46	76	11	104	0	104	123	6028.71	3216	120
	WY 2024	1329	1341	78	1305	0	1305				2658
	Oct 2024	52	62	7	72	0	72	123	6028.27	3200	98
	Nov 2024	51	70	3	70	0	70	123	6028.20	3197	102
	Dec 2024	34	70	2	107	0	107	121	6027.15	3159	132
	Jan 2025	42	79	2	107	0	107	120	6026.34	3130	132
	Feb 2025	43	75	2	97	0	97	119	6025.70	3108	122
	Mar 2025	85	89	3	58	0	58	120	6026.43	3134	132
	Apr 2025	111	82	5	57	0	57	121	6027.00	3154	260
	May 2025	239	165	7	201	0	201	119	6025.85	3113	714
	Jun 2025	389	315	10	96	0	96	127	6031.25	3314	463
	Jul 2025	161	129	14	76	0	76	129	6032.20	3351	136
	Aug 2025	66	84	13	106	0	106	127	6031.33	3317	125
	Sep 2025	43	69	11	104	0	104	126	6030.19	3273	117
	WY 2025	1316	1288	79	1150	0	1150				2532
	Oct 2025	52	75	7	108	0	108	124	6029.18	3234	134

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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)
* 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	4	6	9309.25	69
Mar 2024	5	6	9308.51	68
Apr 2024	8	9	9307.87	67
May 2024	26	15	9314.66	78
Jun 2024	40	18	9326.67	100
Jul 2024	16	21	9324.08	95
Aug 2024	8	18	9318.68	85
Sep 2024	6	15	9313.47	76
WY 2024	131	132		
Oct 2024	7	9	9312.27	74
Nov 2024	5	5	9312.23	74
Dec 2024	4	5	9311.47	72
Jan 2025	5	5	9311.35	72
Feb 2025	4	5	9310.85	71
Mar 2025	5	5	9310.73	71
Apr 2025	9	9	9310.73	71
May 2025	26	15	9317.27	82
Jun 2025	40	18	9328.93	104
Jul 2025	15	24	9324.34	95
Aug 2025	8	18	9318.96	85
Sep 2025	7	18	9312.57	74
WY 2025	135	137		
Oct 2025	7	9	9311.35	72

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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)
*	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	43	0	43	7488.00	562
	Feb 2024	22	24	0	41	0	41	7485.68	544
	Mar 2024	34	35	0	44	0	44	7484.46	535
	Apr 2024	65	66	1	64	0	64	7484.58	536
	May 2024	195	184	1	202	31	233	7477.81	486
	Jun 2024	245	223	1	42	0	42	7500.95	666
	Jul 2024	90	95	1	79	0	79	7502.64	680
	Aug 2024	51	61	1	84	0	84	7499.70	656
	Sep 2024	33	42	1	83	0	83	7494.51	613
	WY 2024	841	842	8	786	64	850		
	Oct 2024	36	38	1	63	0	63	7491.35	588
	Nov 2024	30	30	0	30	0	30	7491.27	588
	Dec 2024	26	27	0	46	0	46	7488.81	568
	Jan 2025	25	25	0	46	0	46	7486.05	547
	Feb 2025	23	24	0	41	0	41	7483.71	530
	Mar 2025	38	38	0	40	0	40	7483.43	527
	Apr 2025	78	78	1	54	0	54	7486.46	550
	May 2025	204	193	1	203	29	232	7481.12	510
	Jun 2025	251	229	1	63	0	63	7501.98	675
	Jul 2025	86	95	1	84	0	84	7503.17	685
	Aug 2025	55	65	1	87	0	87	7500.36	661
	Sep 2025	35	46	1	82	0	82	7495.80	624
	WY 2025	887	889	8	841	29	870		
	Oct 2025	36	38	1	79	0	79	7490.57	582

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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)
*	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	43	2	45	45	0	45	7153.73	112
	Feb 2024	24	41	2	43	43	0	43	7153.73	112
	Mar 2024	38	44	4	48	48	0	48	7153.73	112
	Apr 2024	73	64	8	72	72	0	72	7153.73	112
	May 2024	210	233	15	248	248	0	248	7153.73	112
	Jun 2024	265	42	20	62	62	0	62	7153.72	112
	Jul 2024	95	79	5	84	84	0	84	7153.73	112
	Aug 2024	54	84	3	87	87	0	87	7153.73	112
	Sep 2024	35	83	2	85	85	0	85	7153.73	112
	WY 2024	905	850	64	914	910	0	910		
	Oct 2024	37	63	1	64	64	0	64	7153.73	112
	Nov 2024	32	30	2	32	32	0	32	7153.73	112
	Dec 2024	27	46	1	47	47	0	47	7153.73	112
	Jan 2025	26	46	1	47	47	0	47	7153.73	112
	Feb 2025	25	41	2	43	43	0	43	7153.73	112
	Mar 2025	40	40	2	42	42	0	42	7153.73	112
	Apr 2025	89	54	11	65	65	0	65	7153.73	112
	May 2025	226	232	22	254	254	0	254	7153.73	112
	Jun 2025	265	63	14	77	77	0	77	7153.72	112
	Jul 2025	90	84	4	88	87	0	87	7153.73	112
	Aug 2025	56	87	1	88	88	0	88	7153.73	112
	Sep 2025	36	82	1	83	83	0	83	7153.73	112
	WY 2025	949	870	62	932	931	0	931		
	Oct 2025	37	79	1	80	80	0	80	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Most Probable Inflow*

Crystal Reservoir



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		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)
*	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	45	4	49	49	0	49	6753.04	17	0	49
	Feb 2024	27	43	3	46	46	0	46	6753.04	17	0	46
	Mar 2024	44	48	6	54	54	0	54	6753.04	17	5	49
	Apr 2024	83	72	10	82	82	0	82	6753.04	17	42	40
	May 2024	240	248	30	278	134	144	278	6753.04	17	62	216
	Jun 2024	300	62	35	97	97	0	97	6753.03	17	61	36
	Jul 2024	103	84	8	92	92	0	92	6753.04	17	65	27
	Aug 2024	59	87	5	92	92	0	92	6753.04	17	65	27
	Sep 2024	39	85	4	89	89	0	89	6753.04	17	55	34
	WY 2024	1016	910	111	1021	838	182	1021			404	619
	Oct 2024	43	64	6	70	56	13	70	6753.04	17	55	15
	Nov 2024	36	32	4	36	36	0	36	6753.04	17	0	36
	Dec 2024	32	47	5	52	52	0	52	6753.04	17	0	52
	Jan 2025	31	47	5	52	52	0	52	6753.04	17	0	52
	Feb 2025	29	43	4	47	47	0	47	6753.04	17	0	47
	Mar 2025	46	42	6	48	48	0	48	6753.04	17	5	43
	Apr 2025	100	65	11	76	76	0	76	6753.04	17	42	34
	May 2025	251	254	25	279	134	145	279	6753.04	17	62	217
	Jun 2025	293	77	28	105	105	0	105	6753.03	17	61	44
	Jul 2025	98	87	8	95	95	0	95	6753.04	17	65	30
	Aug 2025	63	88	7	95	95	0	95	6753.04	17	65	30
	Sep 2025	42	83	6	89	89	0	89	6753.04	17	55	34
	WY 2025	1064	931	115	1046	888	158	1046			410	636
	Oct 2025	43	80	6	86	60	26	86	6753.04	17	49	37

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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)
* 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	4	2	7639.26	63
Mar 2024	6	2	7641.13	67
Apr 2024	16	2	7647.32	81
May 2024	60	31	7658.79	109
Jun 2024	50	43	7661.36	116
Jul 2024	15	41	7650.70	89
Aug 2024	12	38	7639.18	63
Sep 2024	11	29	7629.57	44
WY 2024	192	202		
Oct 2024	13	16	7627.47	41
Nov 2024	8	2	7630.99	47
Dec 2024	7	2	7633.74	52
Jan 2025	6	2	7635.84	56
Feb 2025	5	2	7637.46	59
Mar 2025	10	2	7641.25	67
Apr 2025	23	2	7650.38	88
May 2025	68	34	7663.46	121
Jun 2025	62	62	7663.10	120
Jul 2025	21	42	7654.95	99
Aug 2025	15	38	7645.27	76
Sep 2025	16	30	7638.90	62
WY 2025	254	233		
Oct 2025	13	17	7636.76	58

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Most Probable Inflow*

Navajo Reservoir



— BUREAU OF —
RECLAMATION

		Mod Unreg Inflow	Azotea Tunnel Div	Reg Inflow	Evap Losses	NIIP Diversion	Total Release	Reservoir Elev End of Month	Live Storage	Farmington Flow
	Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
*	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	39
	Nov 2023	17	0	15	1	0	22	6045.01	1115	33
	Dec 2023	17	0	15	1	0	18	6044.63	1110	29
	Jan 2024	18	0	16	1	0	18	6044.34	1107	29
	Feb 2024	24	1	21	1	0	17	6044.62	1110	28
	Mar 2024	50	4	42	1	6	18	6046.12	1127	33
	Apr 2024	100	11	74	2	21	18	6048.99	1159	50
	May 2024	200	26	145	3	36	18	6056.35	1247	130
	Jun 2024	150	19	124	4	52	18	6060.36	1297	138
	Jul 2024	29	2	54	4	55	28	6057.62	1263	73
	Aug 2024	25	2	49	3	46	32	6054.93	1230	61
	Sep 2024	26	1	43	3	25	30	6053.78	1216	54
	WY 2024	668	65	614	26	248	272			699
	Oct 2024	35	2	37	2	9	19	6054.44	1224	42
	Nov 2024	28	1	21	1	0	18	6054.62	1226	36
	Dec 2024	24	0	19	1	0	18	6054.58	1225	33
	Jan 2025	22	0	18	1	0	18	6054.48	1224	31
	Feb 2025	29	1	25	1	0	17	6055.07	1231	29
	Mar 2025	92	10	74	2	5	18	6058.98	1280	41
	Apr 2025	147	18	107	3	21	18	6064.12	1346	69
	May 2025	251	34	183	4	35	192	6060.41	1298	327
	Jun 2025	187	25	163	4	51	147	6057.26	1258	291
	Jul 2025	33	2	51	4	55	29	6054.24	1221	80
	Aug 2025	24	1	45	3	47	33	6051.08	1184	62
	Sep 2025	31	2	43	3	26	30	6049.81	1169	56
	WY 2025	903	96	786	26	249	557			1097
	Oct 2025	35	2	38	2	9	18	6050.53	1177	41

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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)
*	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	394	23	500	0	500	3571.14	4742	8604	505
	Dec 2023	320	428	18	600	0	600	3568.80	4728	8428	603
	Jan 2024	340	447	5	723	0	723	3565.29	4707	8168	727
	Feb 2024	370	457	6	639	0	639	3562.90	4693	7994	650
	Mar 2024	520	472	9	675	0	675	3560.15	4677	7797	689
	Apr 2024	775	673	15	601	0	601	3560.88	4682	7850	618
	May 2024	1800	1695	19	599	0	599	3574.31	4761	8847	620
	Jun 2024	2300	1816	33	628	0	628	3587.63	4847	9917	645
	Jul 2024	825	767	42	709	0	709	3587.80	4848	9931	725
	Aug 2024	350	474	41	758	0	758	3584.16	4824	9631	771
	Sep 2024	340	478	38	568	0	568	3582.71	4815	9512	584
	WY 2024	8624	8533	273	7480	0	7480				7613
	Oct 2024	417	457	26	480	0	480	3582.15	4811	9467	496
	Nov 2024	461	471	25	500	0	500	3581.53	4807	9417	505
	Dec 2024	361	449	20	600	0	600	3579.55	4794	9259	603
	Jan 2025	350	433	6	723	0	723	3576.08	4772	8985	727
	Feb 2025	397	458	6	639	0	639	3573.84	4759	8811	650
	Mar 2025	614	531	10	675	0	675	3571.98	4747	8668	689
	Apr 2025	920	752	17	601	0	601	3573.60	4757	8792	618
	May 2025	2060	2060	21	599	0	599	3590.11	4864	10126	620
	Jun 2025	2423	1978	37	628	0	628	3603.84	4961	11341	645
	Jul 2025	711	677	47	709	0	709	3603.03	4955	11267	724
	Aug 2025	371	500	47	758	0	758	3599.93	4932	10985	772
	Sep 2025	316	450	43	568	0	568	3598.27	4921	10836	584
	WY 2025	9401	9216	306	7480	0	7480				7633
	Oct 2025	417	510	29	643	0	643	3596.58	4909	10686	659

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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)
*	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	63	44	558	9.4	9	558	571	1064.76	8788
	Dec 2023	600	72	36	382	6.2	9	382	586	1067.71	9019
	Jan 2024	723	75	25	548	8.9	11	548	599	1070.25	9220
	Feb 2024	639	71	23	533	9.3	8	533	608	1071.98	9357
	Mar 2024	675	97	25	876	14.3	14	876	599	1070.28	9222
	Apr 2024	601	60	34	1001	16.8	16	1001	576	1065.64	8856
	May 2024	599	37	42	981	16.0	20	981	551	1060.65	8473
	Jun 2024	628	22	50	892	15.0	28	892	531	1056.66	8172
	Jul 2024	709	55	48	786	12.8	32	786	525	1055.37	8076
	Aug 2024	758	86	52	748	12.2	34	748	526	1055.49	8085
	Sep 2024	568	72	50	646	10.9	30	646	520	1054.40	8004
	WY 2024	7480	740	480	8439		225	8472			
	Oct 2024	480	77	47	459	7.5	24	459	522	1054.73	8029
	Nov 2024	500	63	42	585	9.8	14	585	517	1053.75	7956
	Dec 2024	600	72	34	517	8.4	9	517	524	1055.18	8062
	Jan 2025	723	75	23	566	9.2	10	566	536	1057.69	8249
	Feb 2025	639	71	22	537	9.7	7	537	545	1059.48	8384
	Mar 2025	675	97	24	880	14.3	13	880	536	1057.66	8247
	Apr 2025	601	60	32	1005	16.9	15	1005	512	1052.71	7880
	May 2025	599	37	39	985	16.0	19	985	487	1047.40	7496
	Jun 2025	628	22	47	896	15.1	26	896	468	1043.15	7196
	Jul 2025	709	55	45	790	12.9	30	790	462	1041.79	7101
	Aug 2025	758	86	48	753	12.2	32	753	462	1041.94	7112
	Sep 2025	568	72	47	651	10.9	28	651	457	1040.77	7031
	WY 2025	7480	786	451	8623		227	8623			
	Oct 2025	643	77	45	463	7.5	23	463	469	1043.33	7209

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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)
*	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	548	-11	9	480	0	480	7.8	641.80	1666
	Feb 2024	533	-13	8	512	0	512	8.9	641.80	1666
	Mar 2024	876	-10	10	822	0	822	13.4	643.05	1700
	Apr 2024	1001	-14	13	976	0	976	16.4	643.00	1699
	May 2024	981	-13	14	954	0	954	15.5	643.00	1699
	Jun 2024	892	-21	14	857	0	857	14.4	643.00	1699
	Jul 2024	786	-21	12	780	0	780	12.7	642.00	1671
	Aug 2024	748	-17	15	716	0	716	11.6	642.00	1671
	Sep 2024	646	-6	16	678	0	678	11.4	640.01	1617
	WY 2024	8439	-144	151	8112	0	8112			
	Oct 2024	459	-11	14	617	0	617	10.0	633.00	1434
	Nov 2024	585	-16	13	505	0	505	8.5	635.00	1486
	Dec 2024	517	-2	13	384	0	384	6.2	639.51	1604
	Jan 2025	566	-11	9	484	0	484	7.9	641.80	1666
	Feb 2025	537	-13	8	516	0	516	9.3	641.80	1666
	Mar 2025	880	-10	10	826	0	826	13.4	643.05	1700
	Apr 2025	1005	-14	13	981	0	981	16.5	643.00	1699
	May 2025	985	-13	14	958	0	958	15.6	643.00	1699
	Jun 2025	896	-21	14	861	0	861	14.5	643.00	1699
	Jul 2025	790	-21	12	784	0	784	12.8	642.00	1671
	Aug 2025	753	-17	15	720	0	720	11.7	642.00	1671
	Sep 2025	651	-6	16	682	0	682	11.5	640.01	1617
	WY 2025	8623	-154	151	8318	0	8318			
	Oct 2025	463	-11	14	621	0	621	10.1	633.00	1434

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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)
*	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	480	7	6	313	5.1	86	75	446.50	552	138	2.2
	Feb 2024	512	4	8	411	7.1	8	83	446.50	552	124	2.2
	Mar 2024	822	2	9	608	9.9	98	96	446.70	555	147	2.4
	Apr 2024	976	7	11	727	12.2	89	108	448.70	593	147	2.5
	May 2024	954	4	13	734	11.9	85	114	448.70	593	110	1.8
	Jun 2024	857	10	16	714	12.0	82	44	448.70	593	116	2.0
	Jul 2024	780	17	17	686	11.2	85	11	448.00	580	123	2.0
	Aug 2024	716	19	17	621	10.1	85	11	447.50	571	102	1.7
	Sep 2024	678	12	15	533	9.0	82	49	447.50	570	99	1.7
	WY 2024	8112	129	139	6366		880	763			1342	
	Oct 2024	617	21	12	482	7.8	85	51	447.50	571	89	1.4
	Nov 2024	505	14	9	375	6.3	82	47	447.50	570	115	1.9
	Dec 2024	384	17	7	270	4.4	85	54	446.50	552	110	1.8
	Jan 2025	484	7	6	313	5.1	90	75	446.50	552	138	2.2
	Feb 2025	516	4	8	411	7.4	12	83	446.50	552	124	2.2
	Mar 2025	826	2	9	608	9.9	102	96	446.70	555	147	2.4
	Apr 2025	981	7	11	726	12.2	93	108	448.70	593	147	2.5
	May 2025	958	4	13	733	11.9	89	114	448.70	593	110	1.8
	Jun 2025	861	10	16	714	12.0	86	44	448.70	593	116	2.0
	Jul 2025	784	17	17	686	11.2	89	11	448.00	580	123	2.0
	Aug 2025	720	19	17	621	10.1	89	11	447.50	571	102	1.7
	Sep 2025	682	12	15	533	9.0	86	49	447.50	570	99	1.7
	WY 2025	8318	134	139	6472		987	745			1420	
	Oct 2025	621	21	12	482	7.8	89	51	447.50	571	89	1.4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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
*	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	1064.76	8788	-45	418.95	948.0	209.0	66	374.4
	Dec 2023	382	6.2	1067.71	9019	231	418.81	957.0	140.1	66	366.6
	Jan 2024	548	8.9	1070.25	9220	201	420.07	1044.0	203.8	71	371.8
	Feb 2024	533	9.3	1071.98	9357	137	422.50	921.1	201.0	62	377.5
	Mar 2024	876	14.3	1070.28	9222	-135	420.73	1112.0	339.5	75	387.4
	Apr 2024	1001	16.8	1065.64	8856	-366	415.27	1351.0	373.2	93	372.8
	May 2024	981	16.0	1060.65	8473	-383	411.13	1242.0	366.6	88	373.7
	Jun 2024	892	15.0	1056.66	8172	-301	405.39	1390.0	323.8	100	363.2
	Jul 2024	786	12.8	1055.37	8076	-96	403.10	1399.4	285.1	100	362.7
	Aug 2024	748	12.2	1055.49	8085	9	402.85	1399.4	269.8	100	360.6
	Sep 2024	646	10.9	1054.40	8004	-81	403.01	1386.6	230.2	100	356.0
	WY 2024	8439							3123.0		
	Oct 2024	459	7.5	1054.73	8029	25	409.13	830.0	168.9	60	368.0
	Nov 2024	585	9.8	1053.75	7956	-72	411.10	830.0	217.1	60	371.0
	Dec 2024	517	8.4	1055.18	8062	106	408.84	895.0	192.0	63	371.6
	Jan 2025	566	9.2	1057.69	8249	187	408.61	907.9	206.5	63	365.1
	Feb 2025	537	9.7	1059.48	8384	135	410.68	821.5	199.0	56	370.8
	Mar 2025	880	14.3	1057.66	8247	-137	410.23	826.1	336.9	57	382.6
	Apr 2025	1005	16.9	1052.71	7880	-367	403.29	1220.4	364.6	87	362.8
	May 2025	985	16.0	1047.40	7496	-383	398.19	1194.9	349.6	87	354.9
	Jun 2025	896	15.1	1043.15	7196	-300	393.49	1168.2	316.5	87	353.4
	Jul 2025	790	12.9	1041.79	7101	-95	389.70	1334.0	276.1	100	349.4
	Aug 2025	753	12.2	1041.94	7112	10	389.42	1335.0	261.5	100	347.5
	Sep 2025	651	10.9	1040.77	7031	-81	389.56	1327.5	223.6	100	343.5
	WY 2025	8623							3112.4		
	Oct 2025	463	7.5	1043.33	7209	178	394.81	1046.8	163.9	78	353.9

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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
*	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	480	7.8	641.80	1666	49	139.99	164.5	60.5	65	126.1
	Feb 2024	512	8.9	641.80	1666	0	140.41	200.5	64.8	79	126.5
	Mar 2024	822	13.4	643.05	1700	34	139.26	210.6	103.1	83	125.5
	Apr 2024	976	16.4	643.00	1699	-2	138.79	255.0	122.1	100	125.0
	May 2024	954	15.5	643.00	1699	0	139.08	255.0	119.5	100	125.3
	Jun 2024	857	14.4	643.00	1699	0	139.46	255.0	107.7	100	125.6
	Jul 2024	780	12.7	642.00	1671	-27	139.58	255.0	98.1	100	125.8
	Aug 2024	716	11.6	642.00	1671	0	139.48	255.0	90.0	100	125.7
	Sep 2024	678	11.4	640.01	1617	-54	138.59	255.0	84.6	100	124.9
WY 2024		8112							1015.7		
	Oct 2024	617	10.0	633.00	1434	-183	134.64	227.0	74.8	89	121.3
	Nov 2024	505	8.5	635.00	1486	51	132.78	159.8	60.4	63	119.6
	Dec 2024	384	6.2	639.51	1604	118	137.05	154.7	47.4	61	123.5
	Jan 2025	484	7.9	641.80	1666	62	139.71	156.3	60.9	61	125.9
	Feb 2025	516	9.3	641.80	1666	0	140.24	156.6	65.2	61	126.3
	Mar 2025	826	13.4	643.05	1700	34	139.24	194.1	103.6	76	125.4
	Apr 2025	981	16.5	643.00	1699	-2	138.77	249.9	122.6	98	125.0
	May 2025	958	15.6	643.00	1699	0	139.05	255.0	120.0	100	125.3
	Jun 2025	861	14.5	643.00	1699	0	139.44	255.0	108.2	100	125.6
	Jul 2025	784	12.8	642.00	1671	-27	139.56	255.0	98.6	100	125.7
	Aug 2025	720	11.7	642.00	1671	0	139.46	255.0	90.5	100	125.6
	Sep 2025	682	11.5	640.01	1617	-54	138.56	255.0	85.1	100	124.8
WY 2025		8318							1037.4		
	Oct 2025	621	10.1	633.00	1434	-183	134.61	227.0	75.3	89	121.3

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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
*	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 Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 24-Month Study

Most Probable Inflow*
Upper Basin Power



— BUREAU OF —
RECLAMATION

		Glen Canyon	Flaming Gorge	Blue Mesa	Morrow Point	Crystal Reservoir	Fontenelle Reservoir
	Date	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR
*	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	197	30	10	10	5	5
	Dec 2023	235	44	12	14	7	5
	Jan 2024	281	44	13	16	9	5
	Feb 2024	246	41	12	16	8	4
	Mar 2024	259	22	13	17	9	4
	Winter 2024	1416	220	68	96	44	27
	Apr 2024	230	21	19	26	14	2
	May 2024	233	59	58	89	23	6
	Jun 2024	251	48	12	22	17	7
	Jul 2024	287	26	24	30	16	8
	Aug 2024	306	36	26	31	16	7
	Sep 2024	228	35	25	31	15	5
	Summer 2024	1536	225	164	230	101	35
	Oct 2024	192	24	19	23	10	0
	Nov 2024	201	24	9	12	6	0
	Dec 2024	240	36	14	17	9	1
	Jan 2025	287	36	14	17	9	4
	Feb 2025	252	33	12	16	8	4
	Mar 2025	266	20	12	15	8	3
	Winter 2025	1438	173	78	99	51	12
	Apr 2025	236	19	16	24	13	2
	May 2025	240	68	59	92	23	6
	Jun 2025	260	33	19	28	18	8
	Jul 2025	297	26	25	31	16	8
	Aug 2025	316	36	27	32	16	6
	Sep 2025	236	35	25	30	15	5
	Summer 2025	1586	216	170	236	103	34
	Oct 2025	266	36	24	29	10	5

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

November 2023 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	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	545	232	533	14709	16020	18832	34851	545	232	533	1310	14709	18832	34851	4580	382	0	24.9
Jan 2024	637	244	537	14886	16305	18601	34906	637	244	537	1419	14886	18601	34906	5350	548	0	24.8
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2024	637	244	537	14886	16305	18601	34906	274	127	339	740	14886	18601	34227	5350	548	0	24.8
Feb 2024	724	263	541	15146	16673	18400	35073	361	147	341	849	15146	18400	34396	1500	533	0	24.6
Mar 2024	799	280	538	15320	16936	18263	35199	435	167	337	938	15320	18263	34521	1500	876	0	24.4
Apr 2024	769	290	521	15517	17096	18398	35494	399	177	313	889	15517	18398	34804	1500	1001	0	24.2
May 2024	723	289	488	15464	16964	18764	35728	347	176	258	780	15464	18764	35008	1500	981	0	24.9
Jun 2024	707	339	401	14466	15913	19147	35060	323	214	131	668	14466	19147	34282	1500	892	0	26.1
Jul 2024	504	159	351	13397	14410	19448	33858	104	11	25	140	13397	19448	32985	1500	786	0	26.0
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Aug 2024	417	145	385	13382	14330	19544	33874	417	145	385	947	13382	19544	33874	1500	748	0	25.6
Sep 2024	467	169	418	13683	14738	19535	34273	467	169	418	1055	13683	19535	34273	2270	646	0	25.2
Oct 2024	537	211	432	13802	14982	19616	34598	537	211	432	1180	13802	19616	34598	3040	459	0	25.0
Nov 2024	564	236	424	13847	15072	19591	34663	564	236	424	1225	13847	19591	34663	3810	585	0	24.9
Dec 2024	587	237	422	13897	15143	19664	34807	587	237	422	1246	13897	19664	34807	4580	517	0	24.8
Jan 2025	661	256	423	14055	15395	19558	34953	661	256	423	1339	14055	19558	34953	5350	566	0	24.7
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2025	661	256	423	14055	15395	19558	34953	378	144	181	704	14055	19558	34317	5350	566	0	24.7
Feb 2025	727	278	424	14329	15757	19371	35129	444	166	182	791	14329	19371	34492	1500	537	0	24.6
Mar 2025	782	295	417	14503	15997	19236	35233	497	184	174	855	14503	19236	34594	1500	880	0	24.4
Apr 2025	760	297	368	14646	16071	19373	35445	471	186	119	775	14646	19373	34794	1500	1005	0	24.4
May 2025	711	274	302	14522	15809	19740	35550	416	162	29	608	14522	19740	34870	1500	985	0	25.3
Jun 2025	680	314	350	13188	14533	20124	34657	378	190	39	607	13188	20124	33918	1500	896	0	26.6
Jul 2025	408	150	390	11973	12920	20424	33344	85	3	23	110	11973	20424	32507	1500	790	0	26.4
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Aug 2025	341	140	427	12047	12954	20519	33473	341	140	427	908	12047	20519	33473	1500	753	0	26.0
Sep 2025	395	164	464	12329	13351	20508	33860	395	164	464	1022	12329	20508	33860	2270	651	0	25.6
Oct 2025	467	201	479	12477	13624	20589	34214	467	201	479	1147	12477	20589	34214	3040	463	0	25.3

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