



To: All Annual Operating Plan Recipients

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Subject: October 2023 Most Probable 24-Month Study

The operation of Lake Powell and Lake Mead in the October 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>.

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)				Sep	Inflow Forecast (kaf)			Observed	
	Jun	Jul	Aug	Sep	%Avg	Oct	Nov	Dec	Apr-Jul	%Avg
Lake Powell	3646	1054	307	224	65%	400	440	360	10619	166%
Fontenelle	412	141	74	51	127%	50	45	35	951	129%
Flaming Gorge	574	174	95	67	146%	60	56	39	1457	151%
Blue Mesa	312	117	49	26	74%	29	28	26	833	131%
Morrow Point	331	121	49	27	73%	30	29	28	901	131%
Crystal	357	128	52	29	70%	34	33	32	988	128%
Taylor Park	50	22	8.8	5.5	79%	5.5	4.5	4.5	118	126%
Vallecito	75	22	10.6	8.7	56%	7	6	5.5	252	142%
Navajo	249	46	-3.14	0.41	1%	15	25	20	1028	163%
Lemon	23	4.9	2.0	1.83	52%	1.4	1	0.9	67	140%
McPhee	108	23	10	8.3	76%	5	4	4	527	207%
Ridgway	41	28	11.2	5.6	63%	6	5.2	4.6	110	120%
Deerlodge	516	77	19.3	10.8	69%	24	30	26	2002	168%
Durango	178	75	23	11.0	61%	15	14	14.0	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/rsvrs/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_10_ucb.pdf

Information on the LC Conservation Program is available online at:

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
*	Oct 2022	40	1	22	39	61	6494.58	249
H	Nov 2022	33	1	10	48	58	6490.90	224
I	Dec 2022	28	1	56	2	58	6486.14	194
S	Jan 2023	32	1	58	0	59	6481.53	167
T	Feb 2023	28	0	10	43	53	6476.59	141
O	Mar 2023	29	0	55	3	58	6470.02	113
R	Apr 2023	75	1	61	0	61	6473.29	126
I	May 2023	323	1	102	95	198	6494.66	250
C	Jun 2023	412	2	92	269	361	6501.41	299
A	Jul 2023	141	3	86	41	127	6502.91	310
L	Aug 2023	74	2	71	3	74	6502.60	308
*	Sep 2023	51	2	70	1	71	6499.60	285
WY 2023		1266	15	693	545	1238		
	Oct 2023	50	1	68	0	68	6497.02	267
	Nov 2023	45	1	68	0	68	6493.71	243
	Dec 2023	35	1	71	0	71	6488.25	207
	Jan 2024	32	1	71	0	71	6481.68	168
	Feb 2024	30	0	66	0	66	6474.34	131
	Mar 2024	48	0	68	0	68	6469.57	111
	Apr 2024	75	1	35	20	55	6474.27	131
	May 2024	150	1	98	0	98	6484.06	181
	Jun 2024	295	2	103	91	194	6498.82	280
	Jul 2024	165	3	102	19	121	6504.39	321
	Aug 2024	60	2	92	0	92	6499.91	288
	Sep 2024	40	2	70	0	70	6495.49	256
WY 2024		1025	15	910	130	1040		
	Oct 2024	46	1	0	55	55	6493.99	245
	Nov 2024	42	1	0	61	61	6491.08	225
	Dec 2024	32	1	20	48	68	6485.40	189
	Jan 2025	31	1	68	0	68	6478.74	152
	Feb 2025	29	0	61	0	61	6471.68	119
	Mar 2025	51	0	55	0	55	6470.73	115
	Apr 2025	77	1	38	10	48	6477.10	144
	May 2025	166	1	92	0	92	6489.68	216
	Jun 2025	301	2	105	122	227	6499.93	288
	Jul 2025	146	3	102	12	114	6503.89	318
	Aug 2025	59	2	77	0	77	6501.27	298
	Sep 2025	39	2	65	0	65	6497.43	269
WY 2025		1019	15	682	309	990		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2023 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir



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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)
*	Oct 2022	41	65	6	111	0	111	100	6011.45	2630	142
H	Nov 2022	40	63	3	102	0	102	98	6010.19	2590	132
I	Dec 2022	26	57	2	107	0	107	96	6008.59	2540	135
S	Jan 2023	38	65	2	108	0	108	95	6007.19	2497	143
T	Feb 2023	33	58	2	98	0	98	93	6005.89	2457	134
O	Mar 2023	49	77	3	61	5	66	93	6006.15	2465	119
R	Apr 2023	188	181	4	48	0	48	98	6010.17	2589	404
I	May 2023	521	397	7	49	0	49	111	6020.21	2917	1044
C	Jun 2023	574	512	10	114	42	157	125	6029.59	3249	673
A	Jul 2023	174	166	13	75	1	76	128	6031.49	3323	168
L	Aug 2023	95	93	13	112	0	112	126	6030.69	3292	146
*	Sep 2023	67	88	11	114	0	114	125	6029.77	3256	135
WY 2023		1847	1821	74	1099	48	1147				3376
	Oct 2023	60	78	7	105	0	105	124	6028.91	3223	129
	Nov 2023	56	79	3	101	0	101	123	6028.24	3198	131
	Dec 2023	39	75	2	123	0	123	121	6026.90	3150	149
	Jan 2024	45	84	2	123	0	123	119	6025.79	3111	150
	Feb 2024	49	85	2	115	0	115	118	6024.92	3080	142
	Mar 2024	100	120	3	71	0	71	120	6026.16	3124	141
	Apr 2024	125	105	5	69	0	69	121	6027.00	3154	284
	May 2024	215	163	7	183	0	183	120	6026.26	3128	728
	Jun 2024	395	294	10	233	0	233	122	6027.66	3177	618
	Jul 2024	190	146	13	79	0	79	124	6029.05	3229	144
	Aug 2024	70	102	12	106	0	106	123	6028.64	3213	124
	Sep 2024	46	76	11	104	0	104	122	6027.61	3176	122
WY 2024		1390	1405	77	1412	0	1412				2862
	Oct 2024	54	63	7	72	0	72	121	6027.20	3161	105
	Nov 2024	51	70	3	64	0	64	121	6027.27	3164	98
	Dec 2024	34	70	2	93	0	93	120	6026.60	3139	118
	Jan 2025	42	79	2	93	0	93	120	6026.16	3124	118
	Feb 2025	43	75	2	84	0	84	119	6025.87	3114	109
	Mar 2025	85	89	3	61	0	61	120	6026.52	3137	135
	Apr 2025	111	82	5	60	0	60	121	6027.00	3154	263
	May 2025	239	165	7	201	0	201	119	6025.85	3113	714
	Jun 2025	389	315	10	96	0	96	127	6031.26	3314	463
	Jul 2025	161	129	14	76	0	76	129	6032.20	3351	136
	Aug 2025	66	84	13	106	0	106	127	6031.34	3317	125
	Sep 2025	43	69	11	104	0	104	126	6030.20	3273	117
WY 2025		1318	1289	79	1110	0	1110				2501

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2023 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir



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RECLAMATION

	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Oct 2022	6	6	9308.80	68
H Nov 2022	4	5	9308.13	67
I Dec 2022	5	5	9307.68	66
S Jan 2023	4	5	9307.08	65
T Feb 2023	4	5	9306.26	64
O Mar 2023	4	5	9305.50	63
R Apr 2023	7	9	9304.30	61
I May 2023	39	20	9316.35	80
C Jun 2023	50	28	9328.01	102
A Jul 2023	22	26	9326.25	99
L Aug 2023	9	21	9319.91	87
* Sep 2023	6	15	9314.22	77
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WY 2023	159	151		
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Oct 2023	6	6	9314.13	77
Nov 2023	5	6	9313.56	76
Dec 2023	5	6	9312.87	75
Jan 2024	4	6	9311.56	72
Feb 2024	4	6	9310.60	71
Mar 2024	5	6	9309.88	70
Apr 2024	8	9	9309.24	69
May 2024	26	15	9315.91	80
Jun 2024	40	18	9327.75	102
Jul 2024	16	21	9325.20	97
Aug 2024	8	18	9319.87	87
Sep 2024	6	15	9314.75	78
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WY 2024	133	132		
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Oct 2024	6	9	9312.96	75
Nov 2024	5	5	9312.93	75
Dec 2024	4	5	9312.17	73
Jan 2025	5	5	9312.05	73
Feb 2025	4	5	9311.56	72
Mar 2025	5	5	9311.43	72
Apr 2025	9	9	9311.43	72
May 2025	26	15	9317.92	83
Jun 2025	40	18	9329.50	105
Jul 2025	15	24	9324.94	96
Aug 2025	8	18	9319.59	86
Sep 2025	7	18	9313.26	75
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WY 2025	134	137		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
*	Oct 2022	32	32	0	0	58	58	7441.74	266
H	Nov 2022	26	27	0	1	10	11	7444.87	282
I	Dec 2022	24	25	0	6	10	17	7446.44	290
S	Jan 2023	24	25	0	20	0	20	7447.43	295
T	Feb 2023	20	21	0	20	0	20	7447.61	296
O	Mar 2023	25	26	0	19	0	19	7448.79	303
R	Apr 2023	77	79	1	23	0	23	7458.56	358
I	May 2023	327	309	1	77	0	77	7491.44	589
C	Jun 2023	312	290	1	106	6	131	7510.36	747
A	Jul 2023	117	120	1	125	1	126	7509.50	739
L	Aug 2023	49	61	1	105	0	105	7504.26	694
*	Sep 2023	26	36	1	15	85	100	7496.50	629
WY 2023		1060	1052	8	517	170	706		
	Oct 2023	29	29	1	66	0	66	7491.80	592
	Nov 2023	28	29	0	36	0	36	7490.86	584
	Dec 2023	26	27	0	25	0	25	7491.14	587
	Jan 2024	24	26	0	43	0	43	7488.94	569
	Feb 2024	23	25	0	41	0	41	7486.77	553
	Mar 2024	36	37	0	43	0	43	7485.94	546
	Apr 2024	65	66	1	64	0	64	7486.07	547
	May 2024	195	184	1	203	25	228	7480.04	502
	Jun 2024	245	223	1	42	0	42	7502.89	682
	Jul 2024	90	95	1	77	0	77	7504.79	698
	Aug 2024	51	61	1	84	0	84	7501.89	674
	Sep 2024	33	42	1	83	0	83	7496.76	632
WY 2024		845	844	8	809	25	834		
	Oct 2024	35	38	1	64	0	64	7493.52	605
	Nov 2024	30	30	0	30	0	30	7493.44	605
	Dec 2024	26	27	0	46	0	46	7491.01	586
	Jan 2025	25	25	0	46	0	46	7488.29	564
	Feb 2025	23	24	0	41	0	41	7485.98	547
	Mar 2025	38	38	0	40	0	40	7485.71	545
	Apr 2025	78	78	1	54	0	54	7488.69	568
	May 2025	204	193	1	204	28	232	7483.43	527
	Jun 2025	251	229	1	63	0	63	7504.01	692
	Jul 2025	86	95	1	84	0	84	7505.19	702
	Aug 2025	55	65	1	87	0	87	7502.40	678
	Sep 2025	35	46	1	82	0	82	7497.92	641
WY 2025		886	889	8	843	28	871		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
*	Oct 2022	33	58	1	59	60	0	60	7156.10	114
H	Nov 2022	27	11	1	12	21	0	21	7143.98	104
I	Dec 2022	26	17	2	18	20	0	20	7141.82	103
S	Jan 2023	26	20	2	21	20	0	20	7144.03	105
T	Feb 2023	21	20	1	21	18	0	18	7148.07	108
O	Mar 2023	26	19	2	21	19	0	19	7149.91	109
R	Apr 2023	85	23	8	31	30	0	30	7151.54	110
I	May 2023	364	77	37	114	112	0	112	7153.72	112
C	Jun 2023	331	131	18	149	142	2	149	7153.53	112
A	Jul 2023	121	126	4	130	130	0	130	7152.51	111
L	Aug 2023	49	105	0	105	105	0	105	7152.17	111
*	Sep 2023	27	100	1	100	102	0	102	7150.01	109
WY 2023		1136	706	76	782	780	2	787		
	Oct 2023	30	66	1	67	64	0	64	7153.73	112
	Nov 2023	29	36	1	37	37	0	37	7153.73	112
	Dec 2023	28	25	2	27	27	0	27	7153.73	112
	Jan 2024	26	43	2	45	45	0	45	7153.73	112
	Feb 2024	25	41	2	43	43	0	43	7153.73	112
	Mar 2024	40	43	4	47	47	0	47	7153.73	112
	Apr 2024	73	64	8	72	72	0	72	7153.73	112
	May 2024	215	228	20	248	248	0	248	7153.73	112
	Jun 2024	265	42	20	62	62	0	62	7153.72	112
	Jul 2024	95	77	5	82	82	0	82	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		915	834	70	904	900	0	900		
	Oct 2024	36	64	1	65	65	0	65	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		948	871	62	933	932	0	932		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2023 24-Month Study

Most 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)
*	Oct 2022	36	60	3	63	53	10	63	6751.29	16	41	21
H	Nov 2022	29	21	2	23	21	2	23	6752.92	17	0	21
I	Dec 2022	28	20	2	22	22	0	22	6751.64	17	2	21
S	Jan 2023	28	20	2	22	22	0	22	6751.37	16	2	21
T	Feb 2023	23	18	2	20	4	16	20	6751.71	17	1	19
O	Mar 2023	29	19	2	22	0	22	22	6751.16	16	2	21
R	Apr 2023	97	30	12	42	20	21	41	6752.29	17	19	22
I	May 2023	406	112	42	154	108	41	155	6751.26	16	48	111
C	Jun 2023	357	149	26	176	119	34	174	6757.16	18	63	123
A	Jul 2023	128	130	7	137	117	20	138	6752.61	17	67	76
L	Aug 2023	52	105	3	108	108	0	108	6751.75	17	66	44
*	Sep 2023	29	102	2	104	104	0	104	6752.00	17	63	42
WY 2023		1243	787	106	894	698	167	893			374	543
	Oct 2023	34	64	4	68	52	16	68	6753.04	17	55	13
	Nov 2023	33	37	4	41	41	0	41	6753.04	17	0	41
	Dec 2023	32	27	4	31	31	0	31	6753.04	17	0	31
	Jan 2024	30	45	4	49	49	0	49	6753.04	17	0	49
	Feb 2024	28	43	3	46	46	0	46	6753.04	17	0	46
	Mar 2024	47	47	7	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	245	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	105	82	10	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		1035	900	120	1020	860	159	1019			410	609
	Oct 2024	41	65	5	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		1062	932	114	1046	887	158	1045			410	635

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2023 24-Month Study

Most 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)
* Oct 2022	14	3	7635.84	56
H Nov 2022	7	0	7639.00	62
I Dec 2022	5	0	7641.15	67
S Jan 2023	5	0	7643.44	72
T Feb 2023	5	2	7644.74	75
O Mar 2023	7	36	7630.44	46
R Apr 2023	36	45	7625.05	36
I May 2023	119	64	7651.55	91
C Jun 2023	75	41	7664.54	124
A Jul 2023	22	37	7658.55	108
L Aug 2023	11	38	7647.43	81
* Sep 2023	9	32	7636.60	57
<hr/>				
WY 2023	314	299		
<hr/>				
Oct 2023	7	17	7631.51	48
Nov 2023	6	2	7633.72	52
Dec 2023	6	2	7635.83	56
Jan 2024	5	2	7637.36	59
Feb 2024	5	2	7638.91	62
Mar 2024	6	2	7640.78	66
Apr 2024	18	2	7647.86	82
May 2024	65	31	7661.18	115
Jun 2024	61	54	7663.56	122
Jul 2024	18	41	7654.29	98
Aug 2024	12	38	7643.26	72
Sep 2024	11	29	7634.35	53
<hr/>				
WY 2024	220	221		
<hr/>				
Oct 2024	10	16	7630.80	46
Nov 2024	8	2	7634.09	53
Dec 2024	7	2	7636.68	58
Jan 2025	6	2	7638.68	62
Feb 2025	5	2	7640.22	65
Mar 2025	10	2	7643.87	73
Apr 2025	23	2	7652.74	94
May 2025	68	42	7662.60	119
Jun 2025	62	62	7662.24	118
Jul 2025	21	42	7654.04	97
Aug 2025	15	38	7644.27	74
Sep 2025	16	30	7637.80	60
<hr/>				
WY 2025	251	241		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2023 24-Month Study

Most Probable Inflow*

Navajo Reservoir



— BUREAU OF —
RECLAMATION

	Date	Mod Unreg Inflow (1000 Ac-Ft)	Azotea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
*	Oct 2022	44	2	32	1	5	33	6019.84	865	51
H	Nov 2022	23	0	16	1	0	19	6019.52	862	37
I	Dec 2022	17	0	13	0	0	22	6018.45	852	37
S	Jan 2023	20	0	15	0	0	20	6017.85	847	34
T	Feb 2023	18	0	15	1	1	17	6017.38	843	31
O	Mar 2023	71	0	98	1	3	18	6025.86	920	46
R	Apr 2023	245	24	235	2	8	21	6045.83	1124	108
I	May 2023	488	59	376	3	28	128	6063.70	1340	344
C	Jun 2023	249	47	163	4	38	168	6060.10	1294	342
A	Jul 2023	46	11	49	4	45	32	6057.46	1261	82
L	Aug 2023	-4	1	23	3	42	42	6052.15	1196	45
*	Sep 2023	1	0	24	3	25	46	6047.88	1147	47
WY 2023		1219	144	1058	24	195	564			1203
	Oct 2023	15	0	25	2	9	29	6046.56	1132	44
	Nov 2023	25	0	20	1	0	18	6046.71	1134	32
	Dec 2023	20	0	16	1	0	18	6046.43	1130	32
	Jan 2024	21	0	18	1	0	18	6046.32	1129	31
	Feb 2024	29	1	25	1	0	17	6046.92	1136	30
	Mar 2024	60	5	51	1	6	18	6049.13	1161	36
	Apr 2024	115	14	85	2	21	18	6052.87	1205	58
	May 2024	220	29	157	3	36	18	6060.91	1304	142
	Jun 2024	175	23	145	4	52	18	6066.37	1376	153
	Jul 2024	29	2	51	5	55	29	6063.50	1338	79
	Aug 2024	25	2	49	4	46	32	6060.95	1305	62
	Sep 2024	26	1	43	3	25	30	6059.85	1291	54
WY 2024		760	76	685	27	250	264			754
	Oct 2024	31	2	36	2	9	19	6060.39	1297	41
	Nov 2024	28	1	21	1	0	18	6060.55	1300	36
	Dec 2024	24	0	19	1	0	18	6060.52	1299	33
	Jan 2025	22	0	18	1	0	18	6060.41	1298	31
	Feb 2025	29	1	25	1	0	17	6060.97	1305	29
	Mar 2025	92	10	74	2	5	18	6064.68	1353	41
	Apr 2025	147	18	107	3	21	18	6069.57	1419	69
	May 2025	251	34	191	4	35	229	6063.84	1342	364
	Jun 2025	187	25	163	4	51	193	6057.15	1257	337
	Jul 2025	33	2	51	4	55	29	6054.13	1220	80
	Aug 2025	24	1	45	3	47	33	6050.97	1182	62
	Sep 2025	31	2	43	3	26	30	6049.70	1168	56
WY 2025		899	96	793	27	249	639			1178

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
*	Oct 2022	437	535	17	480	0	480	3529.92	4520	5832	494
H	Nov 2022	349	394	17	498	0	498	3528.02	4511	5720	507
I	Dec 2022	281	358	13	550	0	550	3524.75	4496	5531	560
S	Jan 2023	361	424	4	500	0	501	3523.45	4490	5456	510
T	Feb 2023	270	337	4	480	0	480	3521.04	4479	5320	493
O	Mar 2023	573	552	6	486	0	486	3522.02	4484	5375	500
R	Apr 2023	1399	1103	10	819	90	909	3524.99	4497	5544	929
I	May 2023	4520	3634	15	1088	0	1088	3561.42	4685	7888	1107
C	Jun 2023	3646	2916	31	1064	0	1064	3583.47	4820	9574	1082
A	Jul 2023	1054	923	40	1149	0	1149	3580.42	4800	9328	1164
L	Aug 2023	307	454	39	902	0	902	3574.71	4764	8878	908
*	Sep 2023	224	414	35	474	0	474	3573.58	4757	8790	475
WY 2023		13421	12043	230	8491	90	8581				8730
	Oct 2023	400	501	24	480	0	480	3573.54	4757	8788	496
	Nov 2023	440	486	24	500	0	500	3573.10	4754	8753	505
	Dec 2023	360	441	19	600	0	600	3570.94	4741	8589	603
	Jan 2024	365	460	5	723	0	723	3567.62	4721	8340	727
	Feb 2024	415	488	6	639	0	639	3565.66	4709	8195	650
	Mar 2024	580	528	10	675	0	675	3563.67	4698	8050	689
	Apr 2024	900	781	16	601	0	601	3565.75	4710	8202	618
	May 2024	1950	1815	20	599	0	599	3580.19	4798	9310	620
	Jun 2024	2450	2001	35	628	0	628	3595.02	4898	10549	645
	Jul 2024	825	758	45	709	0	709	3595.07	4898	10553	724
	Aug 2024	365	489	44	758	0	758	3591.73	4875	10263	772
	Sep 2024	350	488	40	568	0	568	3590.42	4866	10152	584
WY 2024		9400	9237	286	7480	0	7480				7633
	Oct 2024	447	491	27	643	0	643	3588.46	4853	9986	659
	Nov 2024	466	470	26	642	0	642	3586.26	4838	9803	647
	Dec 2024	361	435	21	715	0	715	3582.86	4816	9525	718
	Jan 2025	350	419	6	857	0	857	3577.72	4783	9113	861
	Feb 2025	397	445	6	745	13	758	3573.93	4759	8818	769
	Mar 2025	614	534	10	801	0	801	3570.57	4739	8561	815
	Apr 2025	920	755	16	713	0	713	3570.88	4740	8585	730
	May 2025	2060	2097	21	710	0	710	3586.82	4842	9850	731
	Jun 2025	2423	2024	36	745	0	745	3600.10	4934	11000	762
	Jul 2025	711	677	46	842	0	842	3597.92	4918	10805	857
	Aug 2025	371	500	45	900	0	900	3593.23	4885	10393	914
	Sep 2025	316	450	40	674	0	674	3590.38	4866	10148	690
WY 2025		9436	9297	301	8987	13	9000				9153

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
*	Oct 2022	480	94	46	418	6.8	16	434	482	1046.28	7417
H	Nov 2022	498	18	40	713	12.0	8	714	467	1043.02	7187
I	Dec 2022	550	63	32	438	7.1	8	439	475	1044.82	7313
S	Jan 2023	501	103	22	412	6.7	7	413	485	1046.97	7466
T	Feb 2023	480	46	21	494	8.9	8	493	485	1047.02	7469
O	Mar 2023	486	226	23	754	12.3	11	749	481	1046.03	7399
R	Apr 2023	909	243	31	831	14.0	12	830	498	1049.69	7661
I	May 2023	1088	185	40	855	13.9	22	772	520	1054.28	7995
C	Jun 2023	1064	62	50	886	14.9	23	874	530	1056.39	8152
A	Jul 2023	1149	61	48	760	12.4	30	758	553	1061.02	8501
L	Aug 2023	902	112	54	580	9.4	25	580	574	1065.35	8834
*	Sep 2023	474	127	53	492	8.3	16	462	577	1065.82	8871
WY 2023		8581	1340	458	7633		187	7518			
	Oct 2023	480	77	50	494	8.0	16	494	576	1065.79	8868
	Nov 2023	500	63	44	576	9.7	8	576	572	1065.01	8807
	Dec 2023	600	72	36	389	6.3	8	389	587	1067.89	9033
	Jan 2024	723	75	25	550	8.9	11	550	600	1070.42	9233
	Feb 2024	639	71	23	612	10.6	8	612	604	1071.20	9295
	Mar 2024	675	97	25	788	12.8	14	788	601	1070.54	9243
	Apr 2024	601	60	34	1003	16.8	16	1003	577	1065.88	8875
	May 2024	599	37	42	983	16.0	20	983	552	1060.89	8491
	Jun 2024	628	22	50	893	15.0	28	893	532	1056.89	8189
	Jul 2024	709	55	48	787	12.8	32	787	526	1055.58	8091
	Aug 2024	758	86	52	750	12.2	34	750	526	1055.69	8099
	Sep 2024	568	72	50	648	10.9	30	648	521	1054.57	8017
WY 2024		7480	786	480	8472		224	8472			
	Oct 2024	643	77	48	460	7.5	24	460	533	1056.94	8193
	Nov 2024	642	63	42	586	9.9	14	586	536	1057.73	8252
	Dec 2024	715	72	35	518	8.4	9	518	550	1060.53	8464
	Jan 2025	857	75	24	566	9.2	10	566	570	1064.59	8775
	Feb 2025	758	71	23	537	9.7	7	537	586	1067.73	9020
	Mar 2025	801	97	25	881	14.3	13	881	585	1067.48	9000
	Apr 2025	713	60	34	1006	16.9	15	1006	568	1064.09	8736
	May 2025	710	37	42	986	16.0	19	986	550	1060.41	8454
	Jun 2025	745	22	51	896	15.1	26	896	537	1057.85	8261
	Jul 2025	842	55	48	791	12.9	30	791	539	1058.20	8287
	Aug 2025	900	86	53	753	12.2	32	753	548	1060.04	8426
	Sep 2025	674	72	52	651	10.9	28	651	549	1060.23	8441
WY 2025		9000	786	475	8632		227	8632			

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
*	Oct 2022	418	-2	14	541	0	541	8.8	633.78	1454
H	Nov 2022	713	-15	13	516	0	516	8.7	640.22	1623
I	Dec 2022	438	4	13	436	0	436	7.1	639.97	1617
S	Jan 2023	412	2	9	347	0	347	5.6	642.12	1675
T	Feb 2023	494	-18	8	429	0	444	8.0	643.00	1699
O	Mar 2023	754	-6	10	705	0	705	11.5	644.17	1731
R	Apr 2023	831	-10	13	844	0	844	14.2	642.84	1694
I	May 2023	855	-10	14	833	0	859	14.0	641.83	1667
C	Jun 2023	886	-15	14	819	0	819	13.8	643.22	1705
A	Jul 2023	760	-15	12	736	0	736	12.0	643.06	1700
L	Aug 2023	580	-14	16	555	0	555	9.0	642.86	1695
*	Sep 2023	492	-6	16	563	0	578	9.7	638.85	1587
WY 2023		7633	-107	152	7325	0	7381			
	Oct 2023	494	-11	14	544	0	544	8.8	636.00	1512
	Nov 2023	576	-16	13	468	0	468	7.9	639.01	1591
	Dec 2023	389	-2	13	348	0	348	5.7	640.01	1618
	Jan 2024	550	-11	9	481	0	481	7.8	641.80	1666
	Feb 2024	612	-13	8	592	0	592	10.3	641.80	1666
	Mar 2024	788	-10	10	733	0	733	11.9	643.05	1700
	Apr 2024	1003	-14	13	978	0	978	16.4	643.00	1699
	May 2024	983	-13	14	955	0	955	15.5	643.00	1699
	Jun 2024	893	-21	14	858	0	858	14.4	643.00	1699
	Jul 2024	787	-21	12	781	0	781	12.7	642.00	1671
	Aug 2024	750	-17	15	717	0	717	11.7	642.00	1671
	Sep 2024	648	-6	16	679	0	679	11.4	640.01	1617
WY 2024		8472	-154	151	8135	0	8135			
	Oct 2024	460	-11	14	618	0	618	10.1	633.00	1434
	Nov 2024	586	-16	13	506	0	506	8.5	635.00	1486
	Dec 2024	518	-2	13	385	0	385	6.3	639.51	1604
	Jan 2025	566	-11	9	485	0	485	7.9	641.80	1666
	Feb 2025	537	-13	8	517	0	517	9.3	641.80	1666
	Mar 2025	881	-10	10	826	0	826	13.4	643.05	1700
	Apr 2025	1006	-14	13	981	0	981	16.5	643.00	1699
	May 2025	986	-13	14	959	0	959	15.6	643.00	1699
	Jun 2025	896	-21	14	861	0	861	14.5	643.00	1699
	Jul 2025	791	-21	12	784	0	784	12.8	642.00	1671
	Aug 2025	753	-17	15	721	0	721	11.7	642.00	1671
	Sep 2025	651	-6	16	682	0	682	11.5	640.01	1617
WY 2025		8632	-154	151	8327	0	8327			

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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)
*	Oct 2022	541	26	12	393	6.4	106	66	447.14	564	67	1.1
H	Nov 2022	516	1	9	336	5.6	103	67	447.09	563	89	1.5
I	Dec 2022	436	14	7	277	4.5	101	63	447.06	562	87	1.4
S	Jan 2023	347	16	6	261	4.2	54	40	447.14	564	125	2.0
T	Feb 2023	444	1	8	370	6.7	16	40	447.47	570	130	2.3
O	Mar 2023	705	39	9	553	9.0	70	91	448.31	586	168	2.7
R	Apr 2023	844	50	11	669	11.2	49	169	447.68	574	153	2.6
I	May 2023	859	31	13	655	10.7	73	166	446.26	547	135	2.2
C	Jun 2023	819	16	15	636	10.7	70	69	448.25	585	130	2.2
A	Jul 2023	736	17	17	634	10.3	70	22	448.36	587	131	2.1
L	Aug 2023	555	22	17	485	7.9	61	19	447.78	576	105	1.7
*	Sep 2023	578	13	15	462	7.8	43	55	448.12	582	123	2.1
WY 2023		7381	248	139	5730		816	867			1443	
	Oct 2023	544	21	12	444	7.2	52	61	447.50	570	68	1.1
	Nov 2023	468	14	9	351	5.9	68	58	447.00	561	85	1.4
	Dec 2023	348	17	6	247	4.0	56	60	446.50	552	83	1.3
	Jan 2024	481	7	6	313	5.1	87	76	446.50	552	138	2.2
	Feb 2024	592	4	8	411	7.1	87	84	446.50	552	124	2.2
	Mar 2024	733	2	9	608	9.9	9	97	446.70	555	147	2.4
	Apr 2024	978	7	11	727	12.2	90	109	448.70	593	147	2.5
	May 2024	955	4	13	734	11.9	86	115	448.70	593	110	1.8
	Jun 2024	858	10	16	714	12.0	83	44	448.70	593	116	2.0
	Jul 2024	781	17	17	686	11.2	86	11	448.00	580	123	2.0
	Aug 2024	717	19	17	621	10.1	86	11	447.50	571	102	1.7
	Sep 2024	679	12	15	533	9.0	83	50	447.50	570	99	1.7
WY 2024		8135	134	139	6388		872	776			1342	
	Oct 2024	618	21	12	482	7.8	86	52	447.50	571	89	1.4
	Nov 2024	506	14	9	375	6.3	83	48	447.50	570	115	1.9
	Dec 2024	385	17	7	270	4.4	86	54	446.50	552	110	1.8
	Jan 2025	485	7	6	313	5.1	90	76	446.50	552	138	2.2
	Feb 2025	517	4	8	411	7.4	12	84	446.50	552	124	2.2
	Mar 2025	826	2	9	608	9.9	102	97	446.70	555	147	2.4
	Apr 2025	981	7	11	726	12.2	93	109	448.70	593	147	2.5
	May 2025	959	4	13	733	11.9	89	115	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	721	19	17	621	10.1	89	11	447.50	571	102	1.7
	Sep 2025	682	12	15	533	9.0	86	50	447.50	570	99	1.7
WY 2025		8327	134	139	6472		990	750			1420	

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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
*	Oct 2022	418	6.8	1046.28	7417	88	402.36	924.5	145.8	70	348.8
H	Nov 2022	713	12.0	1043.02	7187	-230	395.39	948.8	254.6	72	357.1
I	Dec 2022	438	7.1	1044.82	7313	126	403.20	975.8	152.9	72	348.9
S	Jan 2023	412	6.7	1046.97	7466	152	403.66	866.6	143.8	64	348.8
T	Feb 2023	494	8.9	1047.02	7469	4	399.03	810.5	175.9	60	356.5
O	Mar 2023	754	12.3	1046.03	7399	-70	397.62	863.6	270.4	65	358.8
R	Apr 2023	831	14.0	1049.69	7661	262	402.80	839.3	300.5	65	361.7
I	May 2023	855	13.9	1054.28	7995	335	405.85	986.6	313.1	71	366.3
C	Jun 2023	886	14.9	1056.39	8152	156	407.42	1080.0	326.9	78	369.0
A	Jul 2023	760	12.4	1061.02	8501	349	413.93	1283.0	280.8	90	369.5
L	Aug 2023	580	9.4	1065.35	8834	333	420.26	1308.1	212.8	90	366.9
*	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	494	8.0	1065.79	8868	-3	419.15	1037.5	186.8	71	377.8
	Nov 2023	576	9.7	1065.01	8807	-60	419.28	948.0	216.7	66	376.2
	Dec 2023	389	6.3	1067.89	9033	226	419.02	957.0	142.9	66	367.6
	Jan 2024	550	8.9	1070.42	9233	200	420.24	1044.0	204.5	71	372.1
	Feb 2024	612	10.6	1071.20	9295	62	422.19	921.1	231.9	62	378.7
	Mar 2024	788	12.8	1070.54	9243	-52	420.47	1112.0	301.6	75	382.8
	Apr 2024	1003	16.8	1065.88	8875	-368	415.52	1351.0	374.1	93	373.1
	May 2024	983	16.0	1060.89	8491	-384	411.37	1242.0	367.5	88	374.0
	Jun 2024	893	15.0	1056.89	8189	-302	405.62	1390.0	324.6	100	363.5
	Jul 2024	787	12.8	1055.58	8091	-97	403.31	1399.4	285.8	100	362.9
	Aug 2024	750	12.2	1055.69	8099	8	403.04	1399.4	270.5	100	360.8
	Sep 2024	648	10.9	1054.57	8017	-83	403.19	1386.6	230.8	100	356.3
WY 2024		8472							3137.5		
	Oct 2024	460	7.5	1056.94	8193	176	410.31	830.0	169.9	60	369.1
	Nov 2024	586	9.9	1057.73	8252	59	414.17	830.0	219.3	60	373.9
	Dec 2024	518	8.4	1060.53	8464	212	413.48	895.0	194.7	63	375.8
	Jan 2025	566	9.2	1064.59	8775	311	414.70	907.9	209.8	63	370.5
	Feb 2025	537	9.7	1067.73	9020	245	418.22	821.5	202.9	56	377.6
	Mar 2025	881	14.3	1067.48	9000	-20	416.03	1278.8	335.7	87	381.1
	Apr 2025	1006	16.9	1064.09	8736	-264	413.80	1269.7	375.3	87	373.2
	May 2025	986	16.0	1060.41	8454	-282	410.28	1251.5	361.7	87	366.9
	Jun 2025	896	15.1	1057.85	8261	-194	407.21	1232.7	329.2	87	367.4
	Jul 2025	791	12.9	1058.20	8287	26	405.08	1419.4	288.4	100	364.8
	Aug 2025	753	12.2	1060.04	8426	140	406.50	1432.3	274.3	100	364.3
	Sep 2025	651	10.9	1060.23	8441	14	408.15	1433.6	235.1	100	361.1
WY 2025		8632							3196.4		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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
*	Oct 2022	541	8.8	633.78	1454	-141	134.35	185.9	66.9	73	123.5
H	Nov 2022	516	8.7	640.22	1623	169	141.13	154.7	62.5	61	121.1
I	Dec 2022	436	7.1	639.97	1617	-7	140.89	159.6	53.9	63	123.5
S	Jan 2023	347	5.6	642.12	1675	58	143.26	157.9	44.3	62	127.7
T	Feb 2023	429	8.0	643.00	1699	24	141.81	185.8	56.7	73	132.3
O	Mar 2023	705	11.5	644.17	1731	32	141.44	215.5	93.4	85	132.4
R	Apr 2023	844	14.2	642.84	1694	-36	138.90	255.0	108.3	100	128.3
I	May 2023	833	14.0	641.83	1667	-28	137.48	255.0	109.4	100	131.4
C	Jun 2023	819	13.8	643.22	1705	38	141.71	249.9	103.9	98	126.9
A	Jul 2023	736	12.0	643.06	1700	-4	143.75	250.1	94.0	98	127.6
L	Aug 2023	555	9.0	642.86	1695	-5	143.43	255.0	71.5	100	128.7
*	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	544	8.8	636.00	1512	-75	136.05	189.2	66.7	74	122.6
	Nov 2023	468	7.9	639.01	1591	79	136.57	154.7	57.6	61	123.0
	Dec 2023	348	5.7	640.01	1618	27	139.59	156.3	43.7	61	125.8
	Jan 2024	481	7.8	641.80	1666	49	139.98	172.7	60.7	68	126.1
	Feb 2024	592	10.3	641.80	1666	0	139.82	204.0	74.6	80	126.0
	Mar 2024	733	11.9	643.05	1700	34	139.81	210.6	92.3	83	126.0
	Apr 2024	978	16.4	643.00	1699	-2	138.79	255.0	122.3	100	125.0
	May 2024	955	15.5	643.00	1699	0	139.06	255.0	119.7	100	125.3
	Jun 2024	858	14.4	643.00	1699	0	139.45	255.0	107.8	100	125.6
	Jul 2024	781	12.7	642.00	1671	-27	139.58	255.0	98.2	100	125.7
	Aug 2024	717	11.7	642.00	1671	0	139.48	255.0	90.2	100	125.7
	Sep 2024	679	11.4	640.01	1617	-54	138.58	255.0	84.8	100	124.8
WY 2024		8135							1018.6		
	Oct 2024	618	10.1	633.00	1434	-183	134.63	227.0	75.0	89	121.3
	Nov 2024	506	8.5	635.00	1486	51	132.77	159.8	60.6	63	119.6
	Dec 2024	385	6.3	639.51	1604	118	137.04	154.7	47.6	61	123.5
	Jan 2025	485	7.9	641.80	1666	62	139.71	156.3	61.0	61	125.9
	Feb 2025	517	9.3	641.80	1666	0	140.23	156.6	65.3	61	126.3
	Mar 2025	826	13.4	643.05	1700	34	139.23	194.1	103.7	76	125.4
	Apr 2025	981	16.5	643.00	1699	-2	138.77	249.9	122.7	98	125.0
	May 2025	959	15.6	643.00	1699	0	139.04	255.0	120.1	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	721	11.7	642.00	1671	0	139.46	255.0	90.6	100	125.6
	Sep 2025	682	11.5	640.01	1617	-54	138.55	255.0	85.2	100	124.8
WY 2025		8327							1038.4		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 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
*	Oct 2022	393	6.4	447.14	564	-15	81.28	91.9	27.2	77	69.1
H	Nov 2022	336	5.6	447.09	563	-1	82.54	82.0	22.8	68	68.0
I	Dec 2022	277	4.5	447.06	562	0	82.38	60.0	18.5	50	66.8
S	Jan 2023	261	4.2	447.14	564	2	81.41	72.6	17.3	60	66.4
T	Feb 2023	357	6.7	447.47	570	6	81.43	94.3	25.4	79	71.2
O	Mar 2023	553	9.0	448.31	586	16	81.24	120.0	38.6	100	69.8
R	Apr 2023	669	11.2	447.68	574	-12	79.27	120.0	46.4	100	69.4
I	May 2023	655	10.7	446.26	547	-26	78.52	116.1	45.3	97	69.2
C	Jun 2023	636	10.7	448.25	585	37	79.10	120.0	44.0	100	69.2
A	Jul 2023	634	10.3	448.36	587	2	82.12	120.0	44.1	100	69.6
L	Aug 2023	485	7.9	447.78	576	-11	81.56	120.0	33.5	100	69.1
*	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	444	7.2	447.50	570	-12	79.94	91.0	31.4	76	70.7
	Nov 2023	351	5.9	447.00	561	-9	80.03	81.0	24.1	68	68.6
	Dec 2023	247	4.0	446.50	552	-9	80.54	60.0	15.7	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		6388							442.3		
	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		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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
*	Oct 2022	175	42	0	21	10	2
H	Nov 2022	181	38	0	6	2	1
I	Dec 2022	199	40	1	6	2	4
S	Jan 2023	182	41	4	5	2	4
T	Feb 2023	172	37	5	6	0	1
O	Mar 2023	173	23	4	6	0	3
	Winter 2023	1083	220	15	49	16	15
R	Apr 2023	291	17	5	9	3	4
I	May 2023	412	18	21	40	20	7
C	Jun 2023	439	43	32	50	22	8
A	Jul 2023	483	29	38	45	22	8
L	Aug 2023	374	44	31	37	21	6
*	Sep 2023	194	44	4	35	20	6
	Summer 2023	2195	194	131	215	109	39
	Oct 2023	190	35	20	23	9	5
	Nov 2023	197	34	11	13	7	5
	Dec 2023	236	42	7	10	5	5
	Jan 2024	282	41	13	16	9	5
	Feb 2024	248	39	12	16	8	4
	Mar 2024	261	24	13	17	9	4
	Winter 2024	1414	215	75	95	47	27
	Apr 2024	232	23	19	26	14	2
	May 2024	236	62	59	89	23	6
	Jun 2024	254	78	12	22	17	7
	Jul 2024	292	27	24	30	16	8
	Aug 2024	311	36	26	31	16	7
	Sep 2024	232	35	25	31	15	5
	Summer 2024	1557	261	164	229	101	35
	Oct 2024	261	24	19	23	10	0
	Nov 2024	261	22	9	12	6	0
	Dec 2024	288	31	14	17	9	1
	Jan 2025	343	31	14	17	9	4
	Feb 2025	296	28	12	16	8	4
	Mar 2025	316	21	12	15	8	3
	Winter 2025	1765	158	79	100	51	12
	Apr 2025	280	20	16	24	13	2
	May 2025	284	68	59	92	23	6
	Jun 2025	308	33	19	28	18	7
	Jul 2025	352	26	26	31	16	8
	Aug 2025	371	36	27	32	16	6
	Sep 2025	276	35	25	30	15	5
	Summer 2025	1870	217	171	236	103	34

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 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 ****										
Oct 2023	469	195	501	14523	15689	18749	34438	469	195	501	1166	14523	18749	34438	3040	494	0	25.2
Nov 2023	521	233	516	14526	15796	18752	34548	521	233	516	1270	14526	18752	34548	3810	576	0	25.1
Dec 2023	569	240	514	14560	15884	18813	34697	569	240	514	1324	14560	18813	34697	4580	389	0	25.1
Jan 2024	654	238	517	14725	16134	18587	34721	654	238	517	1409	14725	18587	34721	5350	550	0	25.0
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2024	654	238	517	14725	16134	18587	34721	246	139	394	779	14725	18587	34091	5350	550	0	25.0
Feb 2024	732	255	519	14974	16480	18387	34867	324	158	395	877	14974	18387	34238	1500	612	0	24.8
Mar 2024	800	272	512	15118	16702	18325	35027	390	177	387	954	15118	18325	34397	1500	788	0	24.7
Apr 2024	776	278	487	15264	16805	18377	35182	361	184	355	900	15264	18377	34541	1500	1003	0	24.6
May 2024	726	277	443	15112	16558	18745	35303	305	183	288	776	15112	18745	34632	1500	983	0	25.4
Jun 2024	702	322	344	14004	15372	19129	34502	273	216	149	639	14004	19129	33772	1500	893	0	26.8
Jul 2024	554	142	272	12765	13733	19431	33164	111	13	22	145	12765	19431	32342	1500	787	0	26.7
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Aug 2024	461	126	310	12761	13658	19529	33186	461	126	310	897	12761	19529	33186	1500	750	0	26.3
Sep 2024	510	151	343	13051	14055	19521	33575	510	151	343	1004	13051	19521	33575	2270	648	0	25.9
Oct 2024	579	193	357	13162	14291	19603	33895	579	193	357	1130	13162	19603	33895	3040	460	0	25.7
Nov 2024	604	219	350	13328	14502	19427	33929	604	219	350	1174	13328	19427	33929	3810	586	0	25.6
Dec 2024	622	220	348	13511	14701	19368	34069	622	220	348	1190	13511	19368	34069	4580	518	0	25.6
Jan 2025	682	239	349	13789	15059	19156	34215	682	239	349	1270	13789	19156	34215	5350	566	0	25.4
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****										
Jan 2025	682	239	349	13789	15059	19156	34215	399	144	107	650	13789	19156	33596	5350	566	0	25.5
Feb 2025	735	260	350	14200	15545	18845	34391	450	166	107	723	14200	18845	33769	1500	537	0	25.3
Mar 2025	778	278	343	14496	15895	18600	34494	491	184	99	775	14496	18600	33870	1500	881	0	25.2
Apr 2025	758	280	295	14753	16086	18620	34706	468	186	44	698	14753	18620	34070	1500	1006	0	25.1
May 2025	713	257	229	14729	15928	18884	34812	416	162	-45	533	14729	18884	34146	1500	986	0	26.0
Jun 2025	681	297	306	13464	14748	19166	33914	378	190	-7	561	13464	19166	33190	1500	896	0	27.3
Jul 2025	409	133	391	12313	13247	19359	32606	85	3	23	110	12313	19359	31783	1500	791	0	27.2
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Aug 2025	342	123	428	12509	13402	19333	32736	342	123	428	893	12509	19333	32736	1500	753	0	26.8
Sep 2025	396	146	466	12921	13929	19194	33122	396	146	466	1008	12921	19194	33122	2270	651	0	26.3

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