**June 24-Month Study**
**Date: June 15th 2023**

**From:** Water Resources Group, Salt Lake City
**To:** All Colorado River Annual Operating Plan (AOP) Recipients

**Current Reservoir Status**

| | April Inflow (unregulated) (acre-feet) | Percent of Average (percent) | June 14 Midnight Elevation (feet) | June 14, Midnight Reservoir Storage (acre-feet) |
|---|---|---|---|---|
| Fontenelle | 322,500 | 184 | 6,502.12 | 304,069 |
| Flaming Gorge | 521,300 | 209 | 6,023.39 | 3,026,653 |
| Blue Mesa | 327,400 | 163 | 7,506.01 | 708,857 |
| Navajo | 488,200 | 200 | 6,060.64 | 1,300,641 |
| Powell | 4,520,200 | 218 | 3,574.51 | 8,862,532 |

***Expected Operations***

The operation of Lake Powell and Lake Mead in the June 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.

The August 2022 24-Month Study projected the January 1, 2023 Lake Powell elevation to be less than 3,525 feet. Consistent with Section 6.D.1 of the Interim Guidelines, Lake Powell's operation in Water Year (WY) 2023 is governed by the Lower Elevation Balancing Tier with an initial projected water year release volume of 7.00 million acre-feet (maf). Based on hydrologic conditions in April 2023, in which the most probable inflow into Lake Powell was projected to be 11.30 maf (177 percent of average) during the 2023 April-July runoff period, Reclamation has determined that conditions are sufficient to release up to 9.50 maf from Lake Powell in WY 2023 consistent with Section 6.D.1 of the Interim Guidelines, but could be as low as 7.00 maf consistent with the Interim Guidelines and to protect Lake Powell from declining below elevation 3,525 feet at the end of December 2023. In addition, Reclamation has removed the operational neutrality of the 0.480 maf that was retained in Lake Powell under the May 2022 action, such that balancing releases are based on the projected end of water year physical contents of Lake Powell and Lake Mead. Further, Lower Basin projections for Lake Mead take into consideration: updated water orders to reflect additional conservation efforts; new completed system conservation agreements under the Lower Colorado River Basin System Conservation and Efficiency Program (LC Conservation Program); and updated Lower Basin tributary inflow projections (reflecting current conditions) above Lake Mead and for the Gila River.

Consistent with this operating approach and based on the most probable inflow forecast, the June 2023 24-Month Study projects a balancing release of 9.16 maf from Lake Powell in WY 2023; however, the actual release in WY 2023 will range between 7.00 and 9.50 maf and will depend on actual hydrology and

reservoir conditions at Lake Powell and Lake Mead during the remainder of the water year. The projected release from Lake Powell in WY 2023 will be updated each month throughout the remainder of the water year. The modeling approach for 2024 and beyond will be consistent with the Interim Guidelines, based on projected physical elevations at Lake Powell and Lake Mead, and assume the 0.480 maf retained in Lake Powell under the May 2022 action was released as part of the WY 2023 balancing release only if the release volume is 7.48 maf or greater.

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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.

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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_06_ucb.pdf.
Information on the LC Conservation Program is available online at:
https://www.usbr.gov/lc/LCBConservation.html.

***Fontenelle Reservoir***

As of June 12, 2023, the Fontenelle Reservoir pool elevation is 6501.65 feet, which amounts to 90 percent of live storage capacity. Inflows for the month of May totaled approximately 322,542 acre-feet (af) or 184 percent of average.

May inflow to Fontenelle was significantly higher than forecasted. The spring runoff has been unpredictable due to unsettled weather in the region throughout much of May. Release rates are expected to remain high throughout the remainder of June and into early July, pending hydrology.

The June final forecast for unregulated inflows into Fontenelle for the next three months projects below average conditions. June, July, and August Most Probable inflow volumes amount to 310,000 af (101 percent of average), 122,000 af (72 percent of average), and 60,000 af (92 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for August 24, 2023 at 10:00 a.m at Seedskadee National Wildlife Refuge, WY, tentatively. Details on the meeting will be provided as we get closer to the meeting date. Prior Fontenelle Working Group meeting minutes are available online on USBR's website at https://www.usbr.gov/uc/water/crsp/wg/ft/ftcurrnt.html. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir.

***Flaming Gorge***

As of June 11, 2023 (end of day), Flaming Gorge Reservoir pool elevation is 6022.73 feet, which amounts to 82 percent of live storage capacity. Unregulated inflow volume for the month of May is approximately 521,000 acre-feet (af), which is 209 percent of the average May unregulated inflow volume. Releases are currently ramping down at approximately 2,000 cfs per day starting on June 11 from approximately 8,550 to 900 cfs on June 16.

The Spring Release -- The Larval Trigger Study Plan (LTSP) to assist in the recovery of the Razorback sucker (protected under the Endangered Species Act) will be completed by June 15, 2023. Larval razorback suckers were identified in Reach 2 of the Green River on 5/31/2023. The experiment releases started on June 6. Partial bypass started on June 6, 2023, with full bypass starting on June 8, 2023. Down ramping started on June 12, 2023 at approximately 2,000 cfs per day. In reach 2 (measured at the Jensen gage), as part of this spring operation, as of June 12, 5 days was greater than 14,000 cfs and one day was greater than 18,600 cfs.

The smallmouth bass (SMB) flow spike is the next operational plan to occur this summer and is contingent on a few factors. The timing of the SMB flow is depending on weather, temperature and is based on a biological trigger. A smallmouth bass (SMB) flow spike release may occur (optional due to hydrology and biological trigger) in late June to early July and will include the use of the selective withdrawal structure (SWS) to influence temperature. The SMB flow spike release will consist of a one day ramp up to full power plant capacity (4,600 cfs), three consecutive days at power plant capacity, and a ramp down at the rate of 2,000 cfs/day.

The June unregulated inflows into Flaming Gorge for the next three months projects near average. June, July, and August forecasted unregulated inflow volumes amount to 430,000 af (110 percent of average), 141,000 af (70 percent of average), and 70,000 af (98 percent of average), respectively. The June water supply forecast of the April through July unregulated inflow volume into Flaming Gorge Reservoir is 1,280,000 acre-feet (133% of average). Due to the May official forecast Upper Green April – July forecast being at a 31% exceedance value, spring operations will use an average hydrologic classification operation.

Reclamation is planning to hold Flaming Gorge Working Group meetings on August 23, 2023, at 10:00 am in Vernal (and Teams virtual meeting) at the Utah Division of Wildlife Resources Northeastern Region 318 N. Vernal Ave., Vernal, Utah. The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stakeholders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation at these meetings. Meeting notes from past Working Group meetings are posted on the Working Group webpage. For more information on this group and these meetings please contact Alex Pivarnik at (385) 475 – 8329.

***Aspinall Unit Reservoirs***

As of June 11, 2023, releases from Crystal Dam are approximately 2,000 cfs. Flows of the Gunnison River in the Black Canyon are being maintained at about 1,040 cfs while the Gunnison Tunnel is diverting 1,050 cfs. Flows in the Whitewater Reach of the Gunnison River are about 6,400 cfs.

The unregulated inflow volume in May to Blue Mesa was 327,400 af (163 percent of average). Unregulated Inflow volumes forecasted for Blue Mesa for the next three months (June, July and August) are projected to be: 326,000 af (130 percent of average), 115,000 af (106 percent of average) and 60,000 af (105 percent of average), respectively. The June 24-Month Study will be reflective of these new forecasted inflows.

The forecasted 2023 water year unregulated inflow volume to Blue Mesa is projected to be 1,095,000 af (121 percent of average). The water supply period (April-July) for 2023 is forecasted to be 845,000 af of unregulated inflow (133 percent of average).

Blue Mesa elevation has increased dramatically over the past month and as of June 11, 2023, was 7,503.21 feet above sea level corresponding to a live storage of 685,050 acre-feet which is 83 percent of capacity. By the end of water year 2023 (September 30, 2023) Blue Mesa elevation is projected to be approximately 7,502 feet with about 675,000 acre-feet of storage which will be 82 percent of capacity.

The Aspinall Unit Operations Group is an open public forum for information exchange between Reclamation and the stakeholders of the Aspinall Unit. The public is encouraged to attend and comments on the operations and plans presented by Reclamation at these meetings. Meeting notes from past

working Group meetings are posted on the Operations Group webpage. For more information on this group and these meetings please contact Erik Knight in the Grand Junction Area Office at (970) 248-0629.

The next Operations Group meeting will be held August 24, 2023 at 1:00 p.m., in person at the Elk Creek Visitor Center at Blue Mesa Reservoir. This will be an in-person meeting with an option for remote participation. Contact Erik Knight in the Grand Junction Area Office at (970) 248-0629 to get more information regarding this Operation Group meeting.

***Navajo Reservoir***

On June 12th, the daily average release rate from Navajo Dam was 4,300 cfs while reservoir inflow was averaging 1,520 cfs. The water surface elevation was 6061.06 feet above sea level. At this elevation the live storage is 1.31 maf (79 percent of live storage capacity) and the active storage is 1.03 maf (66 percent of active storage capacity). An average of 520 cfs is currently being diverted to Cutter Reservoir for the Navajo Indian Irrigation Project (NIIP). Approximately 870 cfs is being diverted to the San Juan-Chama Project (SJC) above Navajo Reservoir.

Releases from Navajo Dam are made for authorized purposes of the Navajo Unit and are pursuant to the Record of Decision for the Navajo Reservoir Operations. Releases target the San Juan River Recovery Implementation Program's (SJRIP) recommended downstream baseflow range of 500 cfs to 1,000 cfs through the critical habitat reach of the San Juan River (Farmington, NM to Lake Powell).

Preliminary modified unregulated inflow (MUI) into Navajo in May was 488 kaf, which was 201 percent of average for the month. The release averaged 2,080 cfs and totaled 128 kaf, which was 120 percent of average for the month. The total April-July modified unregulated inflow observed so far through June 12$^{th}$ is 864 kaf

The most probable MUI forecast for June, July, and August, is 237 kaf (125 percent of average), 40 kaf (83 percent of average), and 21 kaf (64 percent of average), respectively.

The official April-July forecasts are as follows:
MIN: 945 kaf (150 percent of average, an increase of 40 kaf since the May Forecast. There is 81 kaf forecast modified unregulated inflow remaining through the end of July)
MOST: 1,010 kaf (161 percent of average, no change since the May Forecast. There is 146 kaf forecast modified unregulated inflow remaining through the end of July)
MAX: 1,110 kaf (177 percent of average, a decrease of 50 kaf since the May Forecast. There is 236 kaf forecast modified unregulated inflow remaining through the end of July)

As per the Reclamation Record of Decision for Navajo Dam (2006), a spring peak release is currently underway. The release is scheduled to begin ramping down over the next two weeks. The schedule is updated at the following link: https://www.usbr.gov/uc/wcao/water/rsvrs/notice/nav_rel.html

Reclamation conducts Public Operations Meetings three times per year to gather input for determining upcoming operations for Navajo Reservoir. Input from individuals, organizations, and agencies along with other factors such as weather, water rights, endangered species requirements, flood control, hydro power, recreation, fish and wildlife management, and reservoir levels, will be considered in the development of these reservoir operation plans. In addition, the meetings are used to coordinate activities and exchange information among agencies, water users, and other interested parties concerning the San Juan River and

Navajo Reservoir. The next meeting will be held on Tuesday, August 22nd at 1:00 PM. This meeting is open to the public, and will be held at the Farmington Civic Center, 200 West Arrington, in Farmington, New Mexico (subject to change based on guidance at the time). The meeting will also have a virtual option.

***Glen Canyon Dam / Lake Powell***

**Current Status**

The August 2022 24-Month Study projected the January 1, 2023 Lake Powell elevation to be less than 3,525 feet. Consistent with Section 6.D.1 of the Interim Guidelines, Lake Powell's operation in WY 2023 is governed by the Lower Elevation Balancing Tier with an initial projected WY release volume of 7.00 maf. Based on hydrologic conditions as of April 2023, in which the most probable inflow into Lake Powell is projected to be 11.30 maf (177 percent of average) during the 2023 April-July runoff period, Reclamation has determined that conditions are sufficient to release up to 9.50 maf from Lake Powell in WY 2023 consistent with Section 6.D.1 of the Interim Guidelines, but could be as low as 7.00 maf consistent with the Interim Guidelines and to protect Lake Powell from declining below elevation 3,525 feet at the end of December 2023. In addition, Reclamation has removed the operational neutrality of the 0.480 maf that was retained in Lake Powell under the May 2022 action, such that balancing releases are based on physical elevations of Lake Powell and Lake Mead.

Consistent with this operating approach and based on the most probable inflow forecast, the June 2023 24-Month Study projects a balancing release of 9.16 maf from Lake Powell in WY 2023; however, the actual release in WY 2023 will range between 7.00 and 9.50 maf and will depend on actual hydrology and reservoir conditions at Lake Powell and Lake Mead during the remainder of the water year. The projected release from Lake Powell in WY 2023 will be updated each month throughout the remainder of the water year. The modeling approach for 2024 and beyond will be consistent with the Interim Guidelines, based on projected physical elevations at Lake Powell and Lake Mead, and assume the 0.480 maf retained in Lake Powell under the June 2022 action was released as part of the WY 2023 balancing release only if the release volume is 7.48 maf or greater.

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.

The unregulated inflow volume to Lake Powell during May was 4,520 kaf (218 percent of average). The release volume from Glen Canyon Dam in April was 1,088 kaf. The end of May elevation and storage of Lake Powell were 3,561.42 feet (138 feet from full pool) and 7.89 million acre-feet (maf) (33 percent of live capacity), respectively.

**Current Operations**

Hourly releases during June 2023 will fluctuate from a low of approximately 13,200 cfs during the early morning hours to a high of 19,500 cfs during the afternoon and evening hours. The June release volume of 1,064,000 acre-feet. The anticipated monthly release volume for July is anticipated to be 1,150,000 acre-feet and will be confirmed toward the end of June.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 megawatts (MW) of system regulation. These instantaneous release adjustments stabilize the electrical generation and transmission system and translate to a range of about 1,300 cfs above or below the hourly scheduled release rate. Under normal system conditions, fluctuations for regulation are typically short lived and generally balance out over the hour with minimal or no noticeable impacts on downstream river flow conditions.

Releases from Glen Canyon Dam can also fluctuate beyond scheduled releases when called upon to respond to unscheduled power outages or power system emergencies. Depending on the severity of the system emergency, the response from Glen Canyon Dam can be significant, within the full range of the operating capacity of the power plant for as long as is necessary to maintain balance in the transmission system. Glen Canyon Dam currently maintains 30 MW (approximately 1,300 cfs) of generation capacity in reserve in order to respond to a system emergency even when generation rates are already high. System emergencies occur infrequently and typically require small responses from Glen Canyon Dam. However, these responses can have a noticeable impact on the river downstream of Glen Canyon Dam.

**Inflow Forecasts and Model Projections**

The forecast for water year 2023 unregulated inflow to Lake Powell, issued on June 6, 2023, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume in water year 2023 will be 13.85 maf (144 percent of average).

In addition to the June 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 model runs in June to determine a possible range of reservoir elevations. The June 2023 24-Month Study probable most and minimum probable inflow scenarios and the April maximum probable inflow scenario were used to determine the range of probable outcomes. The probable minimum and probable maximum model runs are conducted simultaneously 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 percent of the time. The most probable inflow scenario reflects a median hydrologic condition which statistically would be exceeded 50 percent of the time. The probable maximum inflow scenario reflects a wet hydrologic condition which statistically would be exceeded 10 percent of the time. There is approximately an 80 percent 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 DROA coordination will continue until either (i) the minimum probable projected elevation remains above 3,525 feet for 24 months or (ii) the process moves to the next step when the most probable projected elevation indicates Powell elevations below 3,525 feet and a Drought Response Operations Plan is developed. This 2022 Plan is described above and available for review here: https://www.usbr.gov/dcp/droa.html.

The June forecast for water year 2023 ranges from a minimum probable of 12.80 maf (133 percent of average) to a forecasted maximum probable of 16.31 maf (170 percent of average) with the most probable forecast for water year 2023 of 13.85 maf (144 percent of average). There is a 10 percent chance that inflows could be higher than the current maximum probable forecast and a 10 percent chance that inflows could be lower than the minimum probable forecast.

Based on the current forecast for water year 2023 of 13.85 maf unregulated, the June 24-Month Study projects Lake Powell elevation will end water year 2023 near 3575.57 feet with approximately 8.94 maf in storage (38 percent of capacity). Note that projections of elevation and storage for water year 2023 have significant uncertainty at this point in the season. Projections of end of water year 2023 elevation using the June minimum and April maximum inflow forecast results are 3,570.48 feet and 3,606.71 feet, respectively. The annual release volume from Lake Powell during water year 2023 will be 9.16 maf under the Lower Elevation Balancing Tier and will balance the contents between Powell and Mead with annual release volumes from Glen Canyon Dam between 7.00 maf and 9.50 maf as determined under Section 6.D.1 and 7.D of the Interim Guidelines as determined by the Department of the Interior as described above.

**Upper Colorado River Basin Hydrology**

Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. The 30-year average was updated in October 2022 from 1981 through 2010 to 1991 through 2020. Shifting the period of record decreased the average unregulated inflow 1.20 maf. The period 2000-2022 is the lowest 23-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.29 maf, or 93 percent of the 30-year average (1991-2020). (For comparison, the 1991-2020 total water year average is 9.60 maf.) The unregulated inflow during the 2000-2022 period has ranged from a low of 2.64 maf (28 percent of average) in water year 2002 to a high of 15.97 maf (166 percent of average) in water year 2011. In water year 2021 unregulated inflow volume to Lake Powell was 3.50 maf (36 percent of average), the second driest year on record above 2002. Under the current most probable forecast, the total water year 2023 unregulated inflow to Lake Powell is projected to be 13.85 maf (144 percent of average).

At the beginning of water year 2023, total system storage in the Colorado River Basin was 19.54 maf (33 percent of 58.48 maf total system capacity). This is a decrease of 3.33 maf over the total storage at the beginning of water year 2022 when total system storage was 22.87 maf (39 percent of capacity). Since the beginning of water year 2000, total Colorado Basin storage has experienced year to year increases and decreases in response to wet and dry hydrology, ranging from a high of 94 percent of capacity at the beginning of 2000 to the now current level of 33 percent of capacity at the beginning of water year 2023. Based on current inflow forecasts, the current projected end of water year 2023 total Colorado Basin reservoir storage is approximately 25.45 maf (43.5 percent of total system capacity). The actual end of water year 2023 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow.

— BUREAU OF —
RECLAMATION

To: All Annual Operating Plan Recipients

From: Noe Santos, P.E.
River Operations Manager
Boulder Canyon Operations Office
Interior Region 8: Lower Colorado Basin
Email: nsantos@usbr.gov

From: Alex Pivarnik
Supervisor, Water Management Group
Upper Colorado Operations Office
Interior Region 7: Upper Colorado Basin
Email: apivarnik@usbr.gov

Subject: June 2023 Most Probable 24-Month Study

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[1] For more information: https://www.usbr.gov/uc/DocLibrary/Plans/20220503-2022DROA-GlenCanyonDamOperationsDecisionLetter-508-DOI.pdf.

[2] For more information: https://www.usbr.gov/uc/DocLibrary/Plans/20220429-2022DroughtResponseOperationsPlan-ApprovalMemo-508-DOI.pdf.

recovery, which can be found online at:

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Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows. The observed unregulated inflow into Lake Powell for the month of May was 4.52 maf or 218 % of the 30-year average from 1991 to 2020. The June 2023 unregulated inflow forecast for Lake Powell is 3.70 maf or 151 % of the 30-year average. The 2023 April through July unregulated inflow forecast is 10.70 maf or 167 % of average.

In this study, the CY 2023 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 0.81 maf. The CY 2023 diversion for the Central Arizona Project (CAP) is projected to be 0.87 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.24 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 Cheri Woodward at (702) 293-8101 or 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) | | | | May | Inflow Forecast (kaf) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Feb | Mar | Apr | May | % Avg | Jun | Jul | Aug | Apr-Jul | % Avg |
| Lake Powell | 270 | 573 | 1399 | 4520 | 155% | 3700 | 1080 | 475 | 10700 | 167% |
| Fontenelle | 28 | 29 | 75 | 323 | 89% | 310 | 122 | 60 | 830 | 113% |
| Flaming Gorge | 33 | 49 | 188 | 521 | 150% | 430 | 141 | 70 | 1280 | 133% |
| Blue Mesa | 19.9 | 25 | 77 | 327 | 99% | 326 | 115 | 60 | 845 | 133% |
| Morrow Point | 21 | 26 | 85 | 364 | 97% | 340 | 121 | 63 | 910 | 132% |
| Crystal | 23 | 29 | 97 | 406 | 99% | 385 | 132 | 67 | 1020 | 132% |
| Taylor Park | 3.6 | 3.2 | 7.1 | 39 | 81% | 51 | 21 | 11 | 118 | 126% |
| Vallecito | 4.7 | 6.6 | 36 | 119 | 153% | 87 | 23 | 14 | 265 | 150% |
| Navajo | 17.8 | 71 | 245 | 488 | 167% | 237 | 40 | 21 | 1010 | 160% |
| Lemon | 0.74 | 0.97 | 7.4 | 32 | 135% | 27 | 6.3 | 4 | 73 | 152% |
| McPhee | 3.2 | 9.1 | 147 | 249 | 242% | 107 | 27 | 14 | 530 | 208% |
| Ridgway | 3.2 | 4.9 | 10.5 | 30 | 107% | 46 | 25 | 11 | 112 | 122% |
| Deerlodge | 8.4 | 32 | 366 | 1043 | 178% | 470 | 81 | 25 | 1960 | 165% |
| Durango | 1.19 | 11.2 | 61 | 218 | 123% | 220 | 71 | 35 | 570 | 148% |

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_06_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

## June 2023 24-Month Study

Most Probable Inflow*

## Fontenelle Reservoir

| | 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) |
|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 241 | 2 | 82 | 0 | 82 | 6503.59 | 315 |
| H | Jul 2022 | 102 | 3 | 83 | 11 | 93 | 6504.34 | 321 |
| I | Aug 2022 | 56 | 2 | 67 | 1 | 68 | 6502.43 | 306 |
| S | Sep 2022 | 29 | 2 | 61 | 0 | 61 | 6498.08 | 274 |
| | **WY 2022** | **744** | **15** | **617** | **67** | **685** | | |
| T | Oct 2022 | 40 | 1 | 22 | 39 | 61 | 6494.58 | 249 |
| O | Nov 2022 | 33 | 1 | 10 | 48 | 58 | 6490.90 | 224 |
| R | Dec 2022 | 28 | 1 | 56 | 2 | 58 | 6486.14 | 194 |
| I | Jan 2023 | 32 | 1 | 58 | 0 | 59 | 6481.53 | 167 |
| C | Feb 2023 | 28 | 0 | 10 | 43 | 53 | 6476.59 | 141 |
| A | Mar 2023 | 29 | 0 | 55 | 3 | 58 | 6470.02 | 113 |
| L | Apr 2023 | 75 | 1 | 61 | 0 | 61 | 6473.29 | 126 |
| * | May 2023 | 323 | 1 | 102 | 95 | 198 | 6494.66 | 250 |
| | Jun 2023 | 310 | 2 | 103 | 165 | 268 | 6500.19 | 290 |
| | Jul 2023 | 122 | 3 | 92 | 0 | 92 | 6503.79 | 317 |
| | Aug 2023 | 60 | 2 | 92 | 0 | 92 | 6499.20 | 282 |
| | Sep 2023 | 45 | 2 | 71 | 0 | 71 | 6495.29 | 254 |
| | **WY 2023** | **1125** | **15** | **732** | **397** | **1129** | | |
| | Oct 2023 | 45 | 1 | 74 | 0 | 74 | 6490.92 | 224 |
| | Nov 2023 | 42 | 1 | 64 | 0 | 64 | 6487.46 | 202 |
| | Dec 2023 | 33 | 1 | 61 | 0 | 61 | 6482.60 | 173 |
| | Jan 2024 | 32 | 1 | 61 | 0 | 61 | 6476.88 | 143 |
| | Feb 2024 | 30 | 0 | 58 | 0 | 58 | 6470.56 | 115 |
| | Mar 2024 | 48 | 0 | 61 | 0 | 61 | 6467.02 | 101 |
| | Apr 2024 | 75 | 1 | 34 | 18 | 53 | 6472.43 | 123 |
| | May 2024 | 145 | 1 | 92 | 0 | 92 | 6482.84 | 174 |
| | Jun 2024 | 290 | 2 | 103 | 78 | 181 | 6499.07 | 281 |
| | Jul 2024 | 170 | 3 | 102 | 30 | 132 | 6503.78 | 317 |
| | Aug 2024 | 60 | 2 | 97 | 0 | 97 | 6498.54 | 278 |
| | Sep 2024 | 40 | 2 | 88 | 0 | 88 | 6491.43 | 228 |
| | **WY 2024** | **1010** | **14** | **896** | **126** | **1022** | | |
| | Oct 2024 | 46 | 1 | 55 | 0 | 55 | 6489.87 | 217 |
| | Nov 2024 | 42 | 1 | 57 | 0 | 57 | 6487.42 | 202 |
| | Dec 2024 | 32 | 1 | 61 | 0 | 61 | 6482.39 | 172 |
| | Jan 2025 | 31 | 1 | 61 | 0 | 61 | 6476.42 | 141 |
| | Feb 2025 | 29 | 0 | 56 | 0 | 56 | 6470.26 | 114 |
| | Mar 2025 | 51 | 0 | 53 | 0 | 53 | 6469.73 | 111 |
| | Apr 2025 | 77 | 1 | 38 | 8 | 46 | 6476.64 | 142 |
| | May 2025 | 166 | 1 | 92 | 0 | 92 | 6489.34 | 214 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 2023 24-Month Study

Most Probable Inflow*

## Flaming Gorge Reservoir

| | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 274 | 113 | 9 | 110 | 12 | 121 | 113 | 6015.25 | 2752 | 465 |
| H | Jul 2022 | 125 | 110 | 11 | 79 | 0 | 79 | 106 | 6016.09 | 2780 | 137 |
| I | Aug 2022 | 58 | 70 | 11 | 105 | 0 | 105 | 104 | 6014.73 | 2735 | 124 |
| S | Sep 2022 | 32 | 63 | 9 | 112 | 0 | 112 | 102 | 6013.01 | 2680 | 125 |
| | **WY 2022** | **897** | **837** | **70** | **927** | **60** | **987** | | | | **2138** |
| T | Oct 2022 | 41 | 65 | 6 | 111 | 0 | 111 | 100 | 6011.45 | 2630 | 142 |
| O | Nov 2022 | 40 | 63 | 3 | 102 | 0 | 102 | 98 | 6010.19 | 2590 | 132 |
| R | 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 |
| C | Feb 2023 | 33 | 58 | 2 | 98 | 0 | 98 | 93 | 6005.89 | 2457 | 134 |
| A | Mar 2023 | 49 | 77 | 3 | 61 | 5 | 66 | 93 | 6006.15 | 2465 | 119 |
| L | Apr 2023 | 188 | 181 | 4 | 48 | 0 | 48 | 98 | 6010.17 | 2589 | 407 |
| * | May 2023 | 521 | 397 | 7 | 49 | 0 | 49 | 111 | 6020.21 | 2917 | 1044 |
| | Jun 2023 | 430 | 388 | 10 | 163 | 0 | 163 | 120 | 6026.16 | 3124 | 633 |
| | Jul 2023 | 141 | 111 | 13 | 86 | 0 | 86 | 120 | 6026.50 | 3136 | 167 |
| | Aug 2023 | 70 | 102 | 12 | 97 | 0 | 97 | 120 | 6026.33 | 3130 | 122 |
| | Sep 2023 | 50 | 76 | 10 | 104 | 0 | 104 | 118 | 6025.30 | 3094 | 124 |
| | **WY 2023** | **1628** | **1640** | **72** | **1133** | **5** | **1138** | | | | **3302** |
| | Oct 2023 | 58 | 87 | 7 | 60 | 0 | 60 | 119 | 6025.85 | 3113 | 95 |
| | Nov 2023 | 55 | 77 | 3 | 57 | 0 | 57 | 120 | 6026.31 | 3129 | 92 |
| | Dec 2023 | 37 | 65 | 2 | 78 | 0 | 78 | 119 | 6025.92 | 3115 | 110 |
| | Jan 2024 | 45 | 74 | 2 | 78 | 0 | 78 | 119 | 6025.77 | 3110 | 108 |
| | Feb 2024 | 49 | 77 | 2 | 73 | 0 | 73 | 119 | 6025.80 | 3111 | 103 |
| | Mar 2024 | 100 | 113 | 3 | 85 | 0 | 85 | 120 | 6026.51 | 3136 | 157 |
| | Apr 2024 | 125 | 103 | 5 | 82 | 0 | 82 | 121 | 6026.95 | 3152 | 327 |
| | May 2024 | 200 | 147 | 7 | 227 | 0 | 227 | 117 | 6024.58 | 3068 | 787 |
| | Jun 2024 | 360 | 251 | 10 | 63 | 0 | 63 | 124 | 6029.32 | 3239 | 463 |
| | Jul 2024 | 195 | 157 | 14 | 72 | 0 | 72 | 127 | 6031.10 | 3308 | 137 |
| | Aug 2024 | 70 | 107 | 13 | 103 | 0 | 103 | 127 | 6030.88 | 3299 | 121 |
| | Sep 2024 | 46 | 94 | 11 | 104 | 0 | 104 | 126 | 6030.34 | 3278 | 122 |
| | **WY 2024** | **1340** | **1352** | **78** | **1082** | **0** | **1082** | | | | **2622** |
| | Oct 2024 | 54 | 63 | 7 | 70 | 0 | 70 | 125 | 6029.99 | 3265 | 103 |
| | Nov 2024 | 51 | 66 | 3 | 74 | 0 | 74 | 125 | 6029.69 | 3253 | 108 |
| | Dec 2024 | 34 | 63 | 2 | 118 | 0 | 118 | 123 | 6028.25 | 3199 | 143 |
| | Jan 2025 | 42 | 72 | 2 | 118 | 0 | 118 | 121 | 6026.98 | 3153 | 143 |
| | Feb 2025 | 43 | 70 | 2 | 107 | 0 | 107 | 119 | 6025.91 | 3115 | 132 |
| | Mar 2025 | 85 | 87 | 3 | 61 | 0 | 61 | 120 | 6026.52 | 3137 | 135 |
| | Apr 2025 | 111 | 80 | 5 | 60 | 0 | 60 | 121 | 6026.95 | 3152 | 263 |
| | May 2025 | 239 | 165 | 7 | 196 | 0 | 196 | 119 | 6025.91 | 3115 | 709 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 2023 24-Month Study

Most Probable Inflow*

## Taylor Park Reservoir

| | Date | Regulated Inflow (1000 Ac-Ft) | Total Release (1000 Ac-Ft) | Reservoir Elev End of Month (Ft) | Live Storage (1000 Ac-Ft) |
|---|---|---|---|---|---|
| * | Jun 2022 | 26 | 19 | 9316.61 | 81 |
| H | Jul 2022 | 11 | 15 | 9314.18 | 77 |
| I | Aug 2022 | 8 | 14 | 9310.35 | 70 |
| S | Sep 2022 | 5 | 8 | 9308.87 | 68 |
| | **WY 2022** | **110** | **100** | | |
| T | Oct 2022 | 6 | 6 | 9308.80 | 68 |
| O | Nov 2022 | 4 | 5 | 9308.13 | 67 |
| R | Dec 2022 | 5 | 5 | 9307.68 | 66 |
| I | Jan 2023 | 4 | 5 | 9307.08 | 65 |
| C | Feb 2023 | 4 | 5 | 9306.26 | 64 |
| A | Mar 2023 | 4 | 5 | 9305.50 | 63 |
| L | Apr 2023 | 7 | 9 | 9304.30 | 61 |
| * | May 2023 | 39 | 20 | 9316.35 | 80 |
| | Jun 2023 | 51 | 27 | 9329.21 | 105 |
| | Jul 2023 | 21 | 25 | 9327.41 | 101 |
| | Aug 2023 | 11 | 22 | 9321.93 | 91 |
| | Sep 2023 | 7 | 18 | 9315.88 | 80 |
| | **WY 2023** | **163** | **151** | | |
| | Oct 2023 | 8 | 13 | 9313.17 | 75 |
| | Nov 2023 | 6 | 13 | 9308.65 | 68 |
| | Dec 2023 | 6 | 6 | 9308.68 | 68 |
| | Jan 2024 | 5 | 6 | 9307.94 | 67 |
| | Feb 2024 | 5 | 6 | 9307.19 | 66 |
| | Mar 2024 | 5 | 6 | 9306.82 | 65 |
| | Apr 2024 | 9 | 6 | 9308.68 | 68 |
| | May 2024 | 29 | 12 | 9318.82 | 85 |
| | Jun 2024 | 40 | 18 | 9330.29 | 107 |
| | Jul 2024 | 16 | 24 | 9326.29 | 99 |
| | Aug 2024 | 8 | 18 | 9321.02 | 89 |
| | Sep 2024 | 6 | 18 | 9314.22 | 77 |
| | **WY 2024** | **143** | **146** | | |
| | Oct 2024 | 6 | 9 | 9312.42 | 74 |
| | Nov 2024 | 5 | 9 | 9309.95 | 70 |
| | Dec 2024 | 4 | 6 | 9308.71 | 68 |
| | Jan 2025 | 5 | 6 | 9307.97 | 67 |
| | Feb 2025 | 4 | 6 | 9306.56 | 65 |
| | Mar 2025 | 5 | 6 | 9306.19 | 64 |
| | Apr 2025 | 9 | 6 | 9308.07 | 67 |
| | May 2025 | 26 | 9 | 9318.29 | 84 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 2023 24-Month Study

Most Probable Inflow*

## Blue Mesa Reservoir

| | 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) |
|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 133 | 126 | 1 | 69 | 0 | 69 | 7463.76 | 391 |
| H | Jul 2022 | 59 | 63 | 1 | 84 | 0 | 84 | 7460.15 | 368 |
| I | Aug 2022 | 57 | 64 | 1 | 89 | 0 | 89 | 7455.69 | 341 |
| S | Sep 2022 | 31 | 33 | 1 | 55 | 28 | 82 | 7446.72 | 292 |
| | **WY 2022** | **661** | **652** | **6** | **566** | **28** | **595** | | |
| T | Oct 2022 | 32 | 32 | 0 | 0 | 58 | 58 | 7441.74 | 266 |
| O | Nov 2022 | 26 | 27 | 0 | 1 | 10 | 11 | 7444.87 | 282 |
| R | Dec 2022 | 24 | 25 | 0 | 6 | 10 | 17 | 7446.44 | 290 |
| I | Jan 2023 | 24 | 25 | 0 | 20 | 0 | 20 | 7447.43 | 295 |
| C | Feb 2023 | 20 | 21 | 0 | 20 | 0 | 20 | 7447.61 | 296 |
| A | Mar 2023 | 25 | 26 | 0 | 19 | 0 | 19 | 7448.79 | 303 |
| L | Apr 2023 | 77 | 79 | 1 | 23 | 0 | 23 | 7458.56 | 358 |
| * | May 2023 | 327 | 309 | 1 | 77 | 0 | 77 | 7491.44 | 589 |
| | Jun 2023 | 326 | 302 | 1 | 120 | 0 | 120 | 7512.92 | 769 |
| | Jul 2023 | 115 | 119 | 2 | 126 | 0 | 126 | 7511.90 | 760 |
| | Aug 2023 | 60 | 71 | 1 | 104 | 0 | 104 | 7507.97 | 726 |
| | Sep 2023 | 38 | 49 | 1 | 27 | 71 | 98 | 7502.08 | 675 |
| | **WY 2023** | **1095** | **1084** | **8** | **543** | **150** | **693** | | |
| | Oct 2023 | 40 | 45 | 1 | 73 | 0 | 73 | 7498.57 | 646 |
| | Nov 2023 | 34 | 41 | 0 | 52 | 0 | 52 | 7497.28 | 636 |
| | Dec 2023 | 29 | 29 | 0 | 82 | 0 | 82 | 7490.61 | 582 |
| | Jan 2024 | 26 | 27 | 0 | 42 | 0 | 42 | 7488.65 | 567 |
| | Feb 2024 | 23 | 24 | 0 | 40 | 0 | 40 | 7486.56 | 551 |
| | Mar 2024 | 36 | 37 | 0 | 43 | 0 | 43 | 7485.66 | 544 |
| | Apr 2024 | 70 | 67 | 1 | 46 | 0 | 46 | 7488.36 | 565 |
| | May 2024 | 215 | 198 | 1 | 57 | 0 | 57 | 7505.50 | 705 |
| | Jun 2024 | 250 | 228 | 1 | 119 | 0 | 119 | 7517.63 | 812 |
| | Jul 2024 | 95 | 103 | 2 | 105 | 0 | 105 | 7517.23 | 808 |
| | Aug 2024 | 53 | 63 | 1 | 112 | 0 | 112 | 7511.63 | 758 |
| | Sep 2024 | 34 | 46 | 1 | 103 | 0 | 103 | 7504.92 | 700 |
| | **WY 2024** | **905** | **908** | **9** | **875** | **0** | **875** | | |
| | Oct 2024 | 35 | 38 | 1 | 87 | 0 | 87 | 7499.00 | 650 |
| | Nov 2024 | 31 | 35 | 0 | 54 | 0 | 54 | 7496.60 | 630 |
| | Dec 2024 | 26 | 28 | 0 | 77 | 0 | 77 | 7490.43 | 581 |
| | Jan 2025 | 25 | 26 | 0 | 49 | 0 | 49 | 7487.42 | 558 |
| | Feb 2025 | 23 | 25 | 0 | 44 | 0 | 44 | 7484.92 | 539 |
| | Mar 2025 | 38 | 39 | 0 | 39 | 0 | 39 | 7484.74 | 537 |
| | Apr 2025 | 78 | 75 | 1 | 43 | 0 | 43 | 7488.90 | 569 |
| | May 2025 | 204 | 187 | 1 | 67 | 0 | 67 | 7503.53 | 688 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 2023 24-Month Study

Most Probable Inflow*

## Morrow Point Reservoir

| | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 134 | 69 | 1 | 70 | 71 | 0 | 71 | 7150.86 | 110 |
| H | Jul 2022 | 60 | 84 | 1 | 85 | 84 | 0 | 84 | 7152.31 | 111 |
| I | Aug 2022 | 58 | 89 | 1 | 90 | 90 | 0 | 90 | 7152.25 | 111 |
| S | Sep 2022 | 31 | 82 | 1 | 83 | 78 | 0 | 78 | 7157.81 | 115 |
| | **WY 2022** | **685** | **595** | **24** | **619** | **614** | **0** | **614** | | |
| T | Oct 2022 | 33 | 58 | 1 | 59 | 60 | 0 | 60 | 7156.10 | 114 |
| O | Nov 2022 | 27 | 11 | 1 | 12 | 21 | 0 | 21 | 7143.98 | 104 |
| R | 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 |
| C | Feb 2023 | 21 | 20 | 1 | 21 | 18 | 0 | 18 | 7148.07 | 108 |
| A | Mar 2023 | 26 | 19 | 2 | 21 | 19 | 0 | 19 | 7149.91 | 109 |
| L | Apr 2023 | 85 | 23 | 8 | 31 | 30 | 0 | 30 | 7151.54 | 110 |
| * | May 2023 | 364 | 77 | 37 | 114 | 112 | 0 | 112 | 7153.72 | 112 |
| | Jun 2023 | 340 | 120 | 14 | 134 | 134 | 0 | 134 | 7153.72 | 112 |
| | Jul 2023 | 121 | 126 | 6 | 132 | 132 | 0 | 132 | 7153.73 | 112 |
| | Aug 2023 | 63 | 104 | 3 | 107 | 107 | 0 | 107 | 7153.73 | 112 |
| | Sep 2023 | 40 | 98 | 2 | 100 | 100 | 0 | 100 | 7153.73 | 112 |
| | **WY 2023** | **1173** | **693** | **78** | **771** | **773** | **0** | **773** | | |
| | Oct 2023 | 43 | 73 | 3 | 76 | 76 | 0 | 76 | 7153.73 | 112 |
| | Nov 2023 | 36 | 52 | 2 | 54 | 54 | 0 | 54 | 7153.73 | 112 |
| | Dec 2023 | 31 | 82 | 2 | 84 | 84 | 0 | 84 | 7153.73 | 112 |
| | Jan 2024 | 28 | 42 | 2 | 44 | 44 | 0 | 44 | 7153.73 | 112 |
| | Feb 2024 | 25 | 40 | 2 | 42 | 42 | 0 | 42 | 7153.73 | 112 |
| | Mar 2024 | 40 | 43 | 4 | 47 | 47 | 0 | 47 | 7153.73 | 112 |
| | Apr 2024 | 80 | 46 | 10 | 56 | 56 | 0 | 56 | 7153.73 | 112 |
| | May 2024 | 245 | 57 | 30 | 87 | 87 | 0 | 87 | 7153.73 | 112 |
| | Jun 2024 | 270 | 119 | 20 | 139 | 139 | 0 | 139 | 7153.72 | 112 |
| | Jul 2024 | 100 | 105 | 5 | 110 | 110 | 0 | 110 | 7153.73 | 112 |
| | Aug 2024 | 56 | 112 | 3 | 115 | 115 | 0 | 115 | 7153.73 | 112 |
| | Sep 2024 | 36 | 103 | 2 | 105 | 105 | 0 | 105 | 7153.73 | 112 |
| | **WY 2024** | **990** | **875** | **85** | **960** | **959** | **0** | **959** | | |
| | Oct 2024 | 37 | 87 | 2 | 89 | 89 | 0 | 89 | 7153.73 | 112 |
| | Nov 2024 | 32 | 54 | 1 | 55 | 55 | 0 | 55 | 7153.73 | 112 |
| | Dec 2024 | 27 | 77 | 1 | 78 | 78 | 0 | 78 | 7153.73 | 112 |
| | Jan 2025 | 26 | 49 | 1 | 50 | 50 | 0 | 50 | 7153.73 | 112 |
| | Feb 2025 | 25 | 44 | 2 | 46 | 46 | 0 | 46 | 7153.73 | 112 |
| | Mar 2025 | 40 | 39 | 2 | 41 | 41 | 0 | 41 | 7153.73 | 112 |
| | Apr 2025 | 89 | 43 | 11 | 54 | 53 | 0 | 53 | 7153.73 | 112 |
| | May 2025 | 226 | 67 | 22 | 89 | 89 | 0 | 89 | 7153.73 | 112 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 2023 24-Month Study

Most Probable Inflow*

## Crystal Reservoir

BUREAU OF RECLAMATION

| | Date | Unreg Inflow (1000 Ac-Ft) | Morrow Release (1000 Ac-Ft) | Side Inflow (1000 Ac-Ft) | Total Inflow (1000 Ac-Ft) | Power Release (1000 Ac-Ft) | Bypass Release (1000 Ac-Ft) | Total Release (1000 Ac-Ft) | Reservoir Elev End of Month (Ft) | Live Storage (1000 Ac-Ft) | Tunnel Flow (1000 Ac-Ft) | Below Tunnel Flow (1000 Ac-Ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 145 | 71 | 10 | 82 | 80 | 2 | 81 | 6752.67 | 17 | 62 | 21 |
| H | Jul 2022 | 64 | 84 | 5 | 89 | 90 | 0 | 90 | 6747.68 | 15 | 65 | 28 |
| I | Aug 2022 | 62 | 90 | 4 | 94 | 92 | 0 | 93 | 6751.52 | 17 | 66 | 31 |
| S | Sep 2022 | 33 | 78 | 2 | 80 | 69 | 12 | 80 | 6750.17 | 16 | 62 | 22 |
| | **WY 2022** | **755** | **614** | **70** | **684** | **622** | **62** | **684** | | | **393** | **295** |
| T | Oct 2022 | 36 | 60 | 3 | 63 | 53 | 10 | 63 | 6751.29 | 16 | 41 | 21 |
| O | Nov 2022 | 29 | 21 | 2 | 23 | 21 | 2 | 23 | 6752.92 | 17 | 0 | 21 |
| R | 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 |
| C | Feb 2023 | 23 | 18 | 2 | 20 | 4 | 16 | 20 | 6751.71 | 17 | 1 | 19 |
| A | Mar 2023 | 29 | 19 | 2 | 22 | 0 | 22 | 22 | 6751.16 | 16 | 2 | 21 |
| L | Apr 2023 | 97 | 30 | 12 | 42 | 20 | 21 | 41 | 6752.29 | 17 | 19 | 22 |
| * | May 2023 | 406 | 112 | 42 | 154 | 108 | 41 | 155 | 6751.26 | 16 | 48 | 111 |
| | Jun 2023 | 385 | 134 | 45 | 179 | 130 | 48 | 178 | 6753.03 | 17 | 61 | 117 |
| | Jul 2023 | 132 | 132 | 11 | 143 | 134 | 9 | 143 | 6753.04 | 17 | 65 | 78 |
| | Aug 2023 | 67 | 107 | 4 | 111 | 111 | 0 | 111 | 6753.04 | 17 | 65 | 46 |
| | Sep 2023 | 44 | 100 | 4 | 104 | 104 | 0 | 104 | 6753.04 | 17 | 55 | 49 |
| | **WY 2023** | **1305** | **773** | **132** | **905** | **729** | **170** | **904** | | | **361** | **548** |
| | Oct 2023 | 49 | 76 | 6 | 82 | 52 | 30 | 82 | 6753.04 | 17 | 55 | 27 |
| | Nov 2023 | 41 | 54 | 5 | 59 | 59 | 0 | 59 | 6753.04 | 17 | 0 | 59 |
| | Dec 2023 | 36 | 84 | 5 | 89 | 89 | 0 | 89 | 6753.04 | 17 | 0 | 89 |
| | Jan 2024 | 33 | 44 | 5 | 49 | 49 | 0 | 49 | 6753.04 | 17 | 0 | 49 |
| | Feb 2024 | 29 | 42 | 4 | 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 | 93 | 56 | 13 | 69 | 69 | 0 | 69 | 6753.04 | 17 | 42 | 27 |
| | May 2024 | 285 | 87 | 40 | 127 | 127 | 0 | 127 | 6753.04 | 17 | 62 | 65 |
| | Jun 2024 | 305 | 139 | 35 | 174 | 130 | 44 | 174 | 6753.03 | 17 | 61 | 113 |
| | Jul 2024 | 110 | 110 | 10 | 120 | 120 | 0 | 120 | 6753.04 | 17 | 65 | 55 |
| | Aug 2024 | 61 | 115 | 5 | 120 | 120 | 0 | 120 | 6753.04 | 17 | 65 | 55 |
| | Sep 2024 | 41 | 105 | 5 | 110 | 110 | 0 | 110 | 6753.04 | 17 | 55 | 55 |
| | **WY 2024** | **1130** | **959** | **140** | **1099** | **1025** | **74** | **1099** | | | **410** | **689** |
| | Oct 2024 | 42 | 89 | 5 | 94 | 56 | 38 | 94 | 6753.04 | 17 | 55 | 39 |
| | Nov 2024 | 37 | 55 | 5 | 60 | 60 | 0 | 60 | 6753.04 | 17 | 0 | 60 |
| | Dec 2024 | 32 | 78 | 5 | 83 | 83 | 0 | 83 | 6753.04 | 17 | 0 | 83 |
| | Jan 2025 | 31 | 50 | 5 | 55 | 55 | 0 | 55 | 6753.04 | 17 | 0 | 55 |
| | Feb 2025 | 29 | 46 | 4 | 50 | 50 | 0 | 50 | 6753.04 | 17 | 0 | 50 |
| | Mar 2025 | 46 | 41 | 6 | 47 | 47 | 0 | 47 | 6753.04 | 17 | 5 | 42 |
| | Apr 2025 | 100 | 53 | 11 | 64 | 64 | 0 | 64 | 6753.04 | 17 | 42 | 22 |
| | May 2025 | 251 | 89 | 25 | 114 | 114 | 0 | 114 | 6753.04 | 17 | 62 | 52 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 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) |
|---|---|---|---|---|---|
| * | Jun 2022 | 26 | 34 | 7648.50 | 83 |
| H | Jul 2022 | 19 | 32 | 7642.57 | 70 |
| I | Aug 2022 | 18 | 28 | 7637.64 | 59 |
| S | Sep 2022 | 12 | 26 | 7630.15 | 45 |
| | **WY 2022** | **185** | **160** | | |
| T | Oct 2022 | 14 | 3 | 7635.84 | 56 |
| O | Nov 2022 | 7 | 0 | 7639.00 | 62 |
| R | Dec 2022 | 5 | 0 | 7641.15 | 67 |
| I | Jan 2023 | 5 | 0 | 7643.44 | 72 |
| C | Feb 2023 | 5 | 2 | 7644.74 | 75 |
| A | Mar 2023 | 7 | 36 | 7630.44 | 46 |
| L | Apr 2023 | 36 | 45 | 7625.05 | 36 |
| * | May 2023 | 119 | 64 | 7651.55 | 91 |
| | Jun 2023 | 87 | 54 | 7664.08 | 123 |
| | Jul 2023 | 23 | 42 | 7656.79 | 104 |
| | Aug 2023 | 14 | 38 | 7646.85 | 80 |
| | Sep 2023 | 12 | 30 | 7638.72 | 62 |
| | **WY 2023** | **334** | **314** | | |
| | Oct 2023 | 11 | 17 | 7635.58 | 55 |
| | Nov 2023 | 8 | 2 | 7638.59 | 62 |
| | Dec 2023 | 7 | 2 | 7640.99 | 67 |
| | Jan 2024 | 6 | 2 | 7642.87 | 71 |
| | Feb 2024 | 5 | 2 | 7644.29 | 74 |
| | Mar 2024 | 8 | 2 | 7646.90 | 80 |
| | Apr 2024 | 20 | 2 | 7654.32 | 98 |
| | May 2024 | 66 | 39 | 7664.45 | 124 |
| | Jun 2024 | 64 | 65 | 7664.04 | 123 |
| | Jul 2024 | 18 | 41 | 7654.81 | 99 |
| | Aug 2024 | 12 | 38 | 7643.84 | 73 |
| | Sep 2024 | 11 | 29 | 7635.01 | 54 |
| | **WY 2024** | **236** | **240** | | |
| | Oct 2024 | 10 | 16 | 7631.51 | 48 |
| | Nov 2024 | 8 | 2 | 7634.76 | 54 |
| | Dec 2024 | 7 | 2 | 7637.32 | 59 |
| | Jan 2025 | 6 | 2 | 7639.29 | 63 |
| | Feb 2025 | 5 | 2 | 7640.81 | 66 |
| | Mar 2025 | 10 | 2 | 7644.44 | 74 |
| | Apr 2025 | 23 | 2 | 7653.26 | 95 |
| | May 2025 | 68 | 42 | 7662.98 | 120 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 47 | 7 | 50 | 3 | 37 | 24 | 6027.89 | 939 | 61 |
| H | Jul 2022 | 44 | 5 | 54 | 3 | 39 | 35 | 6025.41 | 916 | 55 |
| I | Aug 2022 | 53 | 5 | 56 | 3 | 38 | 30 | 6023.95 | 902 | 49 |
| S | Sep 2022 | 22 | 1 | 35 | 2 | 23 | 40 | 6020.65 | 872 | 56 |
| | **WY 2022** | **574** | **66** | **484** | **20** | **200** | **296** | | | **595** |
| T | Oct 2022 | 44 | 2 | 32 | 1 | 5 | 33 | 6019.84 | 865 | 51 |
| O | Nov 2022 | 23 | 0 | 16 | 1 | 0 | 19 | 6019.52 | 862 | 37 |
| R | Dec 2022 | 17 | 0 | 13 | 0 | 0 | 22 | 6018.45 | 852 | 37 |
| I | Jan 2023 | 20 | 0 | 15 | 0 | 0 | 20 | 6017.85 | 847 | 34 |
| C | Feb 2023 | 18 | 0 | 15 | 1 | 1 | 17 | 6017.38 | 843 | 31 |
| A | Mar 2023 | 71 | 0 | 98 | 1 | 3 | 18 | 6025.86 | 920 | 45 |
| L | Apr 2023 | 245 | 24 | 235 | 2 | 8 | 21 | 6045.83 | 1124 | 109 |
| * | May 2023 | 488 | 59 | 376 | 3 | 28 | 128 | 6063.70 | 1340 | 343 |
| | Jun 2023 | 237 | 32 | 172 | 4 | 48 | 192 | 6058.04 | 1268 | 412 |
| | Jul 2023 | 40 | 2 | 56 | 4 | 52 | 19 | 6056.53 | 1249 | 90 |
| | Aug 2023 | 21 | 1 | 44 | 3 | 44 | 24 | 6054.26 | 1221 | 59 |
| | Sep 2023 | 26 | 1 | 43 | 3 | 24 | 22 | 6053.77 | 1216 | 50 |
| | **WY 2023** | **1251** | **121** | **1115** | **24** | **213** | **533** | | | **1298** |
| | Oct 2023 | 35 | 2 | 40 | 2 | 9 | 18 | 6054.62 | 1226 | 42 |
| | Nov 2023 | 33 | 1 | 26 | 1 | 0 | 18 | 6055.18 | 1233 | 36 |
| | Dec 2023 | 28 | 0 | 22 | 1 | 0 | 18 | 6055.45 | 1236 | 33 |
| | Jan 2024 | 25 | 0 | 21 | 1 | 0 | 22 | 6055.33 | 1234 | 36 |
| | Feb 2024 | 29 | 1 | 25 | 1 | 0 | 20 | 6055.64 | 1238 | 33 |
| | Mar 2024 | 68 | 6 | 55 | 2 | 6 | 22 | 6057.80 | 1265 | 42 |
| | Apr 2024 | 140 | 17 | 104 | 2 | 21 | 21 | 6062.50 | 1325 | 68 |
| | May 2024 | 235 | 32 | 176 | 4 | 36 | 181 | 6059.09 | 1281 | 321 |
| | Jun 2024 | 180 | 23 | 157 | 4 | 52 | 139 | 6056.08 | 1244 | 274 |
| | Jul 2024 | 29 | 2 | 51 | 4 | 55 | 26 | 6053.21 | 1209 | 76 |
| | Aug 2024 | 25 | 2 | 49 | 3 | 46 | 30 | 6050.62 | 1178 | 60 |
| | Sep 2024 | 28 | 1 | 45 | 3 | 25 | 25 | 6050.03 | 1171 | 49 |
| | **WY 2024** | **855** | **88** | **771** | **26** | **250** | **539** | | | **1069** |
| | Oct 2024 | 33 | 2 | 38 | 2 | 9 | 22 | 6050.55 | 1177 | 44 |
| | Nov 2024 | 29 | 1 | 22 | 1 | 0 | 21 | 6050.57 | 1178 | 39 |
| | Dec 2024 | 24 | 0 | 19 | 1 | 0 | 22 | 6050.27 | 1174 | 37 |
| | Jan 2025 | 22 | 0 | 18 | 1 | 0 | 22 | 6049.89 | 1170 | 35 |
| | Feb 2025 | 29 | 1 | 25 | 1 | 0 | 19 | 6050.27 | 1174 | 31 |
| | Mar 2025 | 92 | 10 | 74 | 1 | 5 | 22 | 6054.11 | 1220 | 45 |
| | Apr 2025 | 147 | 18 | 107 | 2 | 21 | 21 | 6059.25 | 1283 | 72 |
| | May 2025 | 251 | 34 | 191 | 4 | 35 | 147 | 6059.71 | 1289 | 282 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 1284 | 1198 | 25 | 598 | 0 | 598 | 3539.81 | 4604 | 6878 | 595 |
| H | Jul 2022 | 491 | 463 | 28 | 672 | 0 | 672 | 3536.20 | 4551 | 6212 | 672 |
| I | Aug 2022 | 368 | 444 | 27 | 713 | 0 | 713 | 3531.69 | 4529 | 5938 | 722 |
| S | Sep 2022 | 245 | 420 | 24 | 547 | 0 | 547 | 3529.33 | 4517 | 5797 | 562 |
| | **WY 2022** | **6084** | **6107** | **203** | **6999** | **0** | **6999** | | | | **7066** |
| T | Oct 2022 | 437 | 535 | 17 | 480 | 0 | 480 | 3529.92 | 4520 | 5832 | 494 |
| O | Nov 2022 | 349 | 394 | 17 | 498 | 0 | 498 | 3528.02 | 4511 | 5720 | 507 |
| R | 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 |
| C | Feb 2023 | 270 | 337 | 4 | 480 | 0 | 480 | 3521.04 | 4479 | 5320 | 493 |
| A | Mar 2023 | 573 | 552 | 6 | 486 | 0 | 486 | 3522.02 | 4484 | 5375 | 500 |
| L | Apr 2023 | 1399 | 1103 | 10 | 819 | 90 | 909 | 3524.99 | 4497 | 5544 | 929 |
| * | May 2023 | 4520 | 3634 | 15 | 1088 | 0 | 1088 | 3561.42 | 4685 | 7888 | 1109 |
| | Jun 2023 | 3700 | 3262 | 31 | 1064 | 0 | 1064 | 3587.36 | 4845 | 9894 | 1081 |
| | Jul 2023 | 1080 | 1069 | 41 | 1150 | 0 | 1150 | 3585.99 | 4836 | 9781 | 1165 |
| | Aug 2023 | 475 | 593 | 40 | 1135 | 0 | 1135 | 3579.35 | 4793 | 9242 | 1149 |
| | Sep 2023 | 400 | 535 | 36 | 820 | 0 | 820 | 3575.57 | 4769 | 8945 | 836 |
| | **WY 2023** | **13845** | **12795** | **234** | **9072** | **90** | **9162** | | | | **9335** |
| | Oct 2023 | 550 | 579 | 25 | 480 | 0 | 480 | 3576.46 | 4775 | 9014 | 496 |
| | Nov 2023 | 515 | 520 | 24 | 500 | 0 | 500 | 3576.41 | 4775 | 9010 | 505 |
| | Dec 2023 | 415 | 500 | 19 | 600 | 0 | 600 | 3575.00 | 4766 | 8900 | 603 |
| | Jan 2024 | 380 | 426 | 6 | 723 | 0 | 723 | 3571.35 | 4743 | 8620 | 727 |
| | Feb 2024 | 430 | 464 | 6 | 639 | 0 | 639 | 3569.13 | 4730 | 8452 | 650 |
| | Mar 2024 | 600 | 557 | 10 | 675 | 0 | 675 | 3567.54 | 4720 | 8334 | 689 |
| | Apr 2024 | 950 | 802 | 16 | 601 | 0 | 601 | 3569.83 | 4734 | 8505 | 618 |
| | May 2024 | 2200 | 2082 | 21 | 599 | 0 | 599 | 3586.94 | 4842 | 9860 | 620 |
| | Jun 2024 | 2400 | 2006 | 37 | 628 | 0 | 628 | 3601.22 | 4942 | 11102 | 645 |
| | Jul 2024 | 845 | 786 | 47 | 709 | 0 | 709 | 3601.53 | 4944 | 11130 | 724 |
| | Aug 2024 | 365 | 510 | 46 | 758 | 0 | 758 | 3598.50 | 4922 | 10857 | 772 |
| | Sep 2024 | 350 | 500 | 42 | 568 | 0 | 568 | 3597.35 | 4914 | 10755 | 584 |
| | **WY 2024** | **10000** | **9733** | **298** | **7480** | **0** | **7480** | | | | **7633** |
| | Oct 2024 | 447 | 514 | 29 | 643 | 0 | 643 | 3595.70 | 4902 | 10609 | 659 |
| | Nov 2024 | 466 | 505 | 28 | 642 | 0 | 642 | 3593.96 | 4890 | 10456 | 647 |
| | Dec 2024 | 361 | 494 | 22 | 715 | 0 | 715 | 3591.35 | 4872 | 10231 | 718 |
| | Jan 2025 | 350 | 450 | 6 | 857 | 0 | 857 | 3586.81 | 4842 | 9849 | 861 |
| | Feb 2025 | 397 | 473 | 7 | 754 | 4 | 758 | 3583.53 | 4820 | 9579 | 769 |
| | Mar 2025 | 614 | 537 | 11 | 801 | 0 | 801 | 3580.37 | 4800 | 9324 | 815 |
| | Apr 2025 | 920 | 746 | 18 | 713 | 0 | 713 | 3580.55 | 4801 | 9338 | 730 |
| | May 2025 | 2060 | 1846 | 22 | 710 | 0 | 710 | 3592.95 | 4883 | 10369 | 731 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 598 | 16 | 47 | 889 | 14.9 | 29 | 877 | 467 | 1043.02 | 7187 |
| H | Jul 2022 | 672 | 70 | 45 | 822 | 13.4 | 31 | 814 | 458 | 1040.92 | 7041 |
| I | Aug 2022 | 713 | 183 | 48 | 573 | 9.3 | 25 | 567 | 473 | 1044.28 | 7275 |
| S | Sep 2022 | 547 | 117 | 48 | 539 | 9.1 | 21 | 545 | 476 | 1045.03 | 7328 |
| | **WY 2022** | **6999** | **787** | **463** | **8899** | | **222** | **8888** | | | |
| T | Oct 2022 | 480 | 94 | 46 | 418 | 6.8 | 16 | 434 | 482 | 1046.28 | 7417 |
| O | Nov 2022 | 498 | 18 | 40 | 713 | 12.0 | 8 | 714 | 467 | 1043.02 | 7187 |
| R | 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 |
| C | Feb 2023 | 480 | 46 | 21 | 494 | 8.9 | 8 | 493 | 485 | 1047.02 | 7469 |
| A | Mar 2023 | 486 | 226 | 23 | 754 | 12.3 | 11 | 749 | 481 | 1046.03 | 7399 |
| L | Apr 2023 | 909 | 243 | 31 | 831 | 14.0 | 12 | 830 | 498 | 1049.69 | 7661 |
| * | May 2023 | 1088 | 185 | 40 | 855 | 13.9 | 22 | 772 | 520 | 1054.28 | 7995 |
| | Jun 2023 | 1064 | 75 | 50 | 896 | 15.1 | 36 | 896 | 529 | 1056.27 | 8143 |
| | Jul 2023 | 1150 | 55 | 48 | 827 | 13.4 | 36 | 827 | 547 | 1059.94 | 8418 |
| | Aug 2023 | 1135 | 86 | 53 | 735 | 12.0 | 36 | 735 | 571 | 1064.79 | 8790 |
| | Sep 2023 | 820 | 72 | 53 | 647 | 10.9 | 28 | 647 | 581 | 1066.77 | 8945 |
| | **WY 2023** | **9162** | **1266** | **458** | **8020** | | **229** | **7949** | | | |
| | Oct 2023 | 480 | 77 | 50 | 498 | 8.1 | 20 | 498 | 581 | 1066.64 | 8935 |
| | Nov 2023 | 500 | 63 | 44 | 598 | 10.0 | 12 | 598 | 575 | 1065.55 | 8849 |
| | Dec 2023 | 600 | 72 | 36 | 500 | 8.1 | 12 | 500 | 583 | 1067.05 | 8967 |
| | Jan 2024 | 723 | 75 | 25 | 587 | 9.5 | 10 | 587 | 594 | 1069.15 | 9132 |
| | Feb 2024 | 639 | 71 | 23 | 559 | 9.7 | 7 | 559 | 601 | 1070.58 | 9246 |
| | Mar 2024 | 675 | 97 | 25 | 903 | 14.7 | 13 | 903 | 591 | 1068.57 | 9086 |
| | Apr 2024 | 601 | 60 | 34 | 1029 | 17.3 | 15 | 1029 | 565 | 1063.55 | 8695 |
| | May 2024 | 599 | 37 | 42 | 1010 | 16.4 | 19 | 1010 | 539 | 1058.20 | 8287 |
| | Jun 2024 | 628 | 22 | 50 | 895 | 15.0 | 26 | 895 | 519 | 1054.15 | 7986 |
| | Jul 2024 | 709 | 55 | 47 | 787 | 12.8 | 30 | 787 | 513 | 1052.87 | 7892 |
| | Aug 2024 | 758 | 86 | 51 | 749 | 12.2 | 32 | 749 | 514 | 1053.03 | 7903 |
| | Sep 2024 | 568 | 72 | 50 | 670 | 11.3 | 28 | 670 | 507 | 1051.64 | 7802 |
| | **WY 2024** | **7480** | **786** | **476** | **8783** | | **224** | **8783** | | | |
| | Oct 2024 | 643 | 77 | 47 | 483 | 7.8 | 23 | 483 | 517 | 1053.80 | 7960 |
| | Nov 2024 | 642 | 63 | 42 | 588 | 9.9 | 13 | 588 | 521 | 1054.59 | 8018 |
| | Dec 2024 | 715 | 72 | 34 | 521 | 8.5 | 8 | 521 | 535 | 1057.42 | 8229 |
| | Jan 2025 | 857 | 75 | 24 | 583 | 9.5 | 12 | 583 | 554 | 1061.31 | 8523 |
| | Feb 2025 | 758 | 71 | 22 | 554 | 10.0 | 9 | 554 | 569 | 1064.28 | 8751 |
| | Mar 2025 | 801 | 97 | 25 | 899 | 14.6 | 16 | 899 | 566 | 1063.77 | 8711 |
| | Apr 2025 | 713 | 60 | 33 | 1025 | 17.2 | 18 | 1025 | 548 | 1060.05 | 8427 |
| | May 2025 | 710 | 37 | 41 | 1005 | 16.4 | 23 | 1005 | 528 | 1056.01 | 8123 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 889 | -30 | 14 | 842 | 0 | 842 | 14.1 | 643.47 | 1712 |
| H | Jul 2022 | 822 | -26 | 12 | 770 | 0 | 770 | 12.5 | 643.97 | 1725 |
| I | Aug 2022 | 573 | -13 | 16 | 575 | 0 | 575 | 9.3 | 642.87 | 1695 |
| S | Sep 2022 | 539 | -6 | 16 | 617 | 0 | 617 | 10.4 | 639.17 | 1595 |
| | **WY 2022** | **8899** | **-222** | **151** | **8495** | **0** | **8495** | | | |
| T | Oct 2022 | 418 | -2 | 14 | 540 | 0 | 542 | 8.8 | 633.78 | 1454 |
| O | Nov 2022 | 713 | -15 | 13 | 516 | 0 | 516 | 8.7 | 640.22 | 1623 |
| R | 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 |
| C | Feb 2023 | 494 | -18 | 8 | 429 | 0 | 444 | 8.0 | 643.00 | 1699 |
| A | Mar 2023 | 754 | -6 | 10 | 705 | 0 | 705 | 11.5 | 644.17 | 1731 |
| L | Apr 2023 | 831 | -10 | 13 | 844 | 0 | 844 | 14.2 | 642.84 | 1694 |
| * | May 2023 | 855 | -10 | 14 | 833 | 0 | 859 | 14.0 | 641.83 | 1667 |
| | Jun 2023 | 896 | -21 | 14 | 830 | 0 | 830 | 13.9 | 643.00 | 1699 |
| | Jul 2023 | 827 | -21 | 12 | 807 | 0 | 807 | 13.1 | 642.50 | 1685 |
| | Aug 2023 | 735 | -17 | 16 | 717 | 0 | 717 | 11.7 | 642.00 | 1671 |
| | Sep 2023 | 647 | -6 | 16 | 678 | 0 | 678 | 11.4 | 640.01 | 1617 |
| | **WY 2023** | **8020** | **-120** | **151** | **7681** | **0** | **7725** | | | |
| | Oct 2023 | 498 | -11 | 14 | 656 | 0 | 656 | 10.7 | 633.00 | 1434 |
| | Nov 2023 | 598 | -16 | 13 | 518 | 0 | 518 | 8.7 | 635.00 | 1486 |
| | Dec 2023 | 500 | -2 | 13 | 367 | 0 | 367 | 6.0 | 639.51 | 1604 |
| | Jan 2024 | 587 | -11 | 9 | 505 | 0 | 505 | 8.2 | 641.80 | 1666 |
| | Feb 2024 | 559 | -13 | 8 | 538 | 0 | 538 | 9.4 | 641.80 | 1666 |
| | Mar 2024 | 903 | -10 | 10 | 849 | 0 | 849 | 13.8 | 643.05 | 1700 |
| | Apr 2024 | 1029 | -14 | 13 | 1004 | 0 | 1004 | 16.9 | 643.00 | 1699 |
| | May 2024 | 1010 | -13 | 14 | 982 | 0 | 982 | 16.0 | 643.00 | 1699 |
| | Jun 2024 | 895 | -21 | 14 | 860 | 0 | 860 | 14.5 | 643.00 | 1699 |
| | Jul 2024 | 787 | -21 | 12 | 780 | 0 | 780 | 12.7 | 642.00 | 1671 |
| | Aug 2024 | 749 | -17 | 15 | 717 | 0 | 717 | 11.7 | 642.00 | 1671 |
| | Sep 2024 | 670 | -6 | 16 | 701 | 0 | 701 | 11.8 | 640.01 | 1617 |
| | **WY 2024** | **8783** | **-154** | **151** | **8478** | **0** | **8478** | | | |
| | Oct 2024 | 483 | -11 | 14 | 641 | 0 | 641 | 10.4 | 633.00 | 1434 |
| | Nov 2024 | 588 | -16 | 13 | 508 | 0 | 508 | 8.5 | 635.00 | 1486 |
| | Dec 2024 | 521 | -2 | 13 | 388 | 0 | 388 | 6.3 | 639.51 | 1604 |
| | Jan 2025 | 583 | -11 | 9 | 501 | 0 | 501 | 8.2 | 641.80 | 1666 |
| | Feb 2025 | 554 | -13 | 8 | 534 | 0 | 534 | 9.6 | 641.80 | 1666 |
| | Mar 2025 | 899 | -10 | 10 | 844 | 0 | 844 | 13.7 | 643.05 | 1700 |
| | Apr 2025 | 1025 | -14 | 13 | 1000 | 0 | 1000 | 16.8 | 643.00 | 1699 |
| | May 2025 | 1005 | -13 | 14 | 978 | 0 | 978 | 15.9 | 643.00 | 1699 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 842 | 18 | 15 | 679 | 11.4 | 103 | 60 | 448.30 | 586 | 154 | 2.6 |
| H | Jul 2022 | 770 | 31 | 17 | 639 | 10.4 | 106 | 19 | 448.84 | 596 | 150 | 2.4 |
| I | Aug 2022 | 575 | 40 | 17 | 482 | 7.8 | 106 | 16 | 448.16 | 583 | 120 | 2.0 |
| S | Sep 2022 | 617 | 15 | 15 | 458 | 7.7 | 103 | 52 | 447.96 | 579 | 108 | 1.8 |
| | **WY 2022** | **8495** | **176** | **140** | **6231** | | **1117** | **1112** | | | **1499** | |
| T | Oct 2022 | 542 | 26 | 12 | 393 | 6.4 | 106 | 66 | 447.14 | 564 | 67 | 1.1 |
| O | Nov 2022 | 516 | 1 | 9 | 336 | 5.6 | 103 | 67 | 447.09 | 563 | 89 | 1.5 |
| R | 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 |
| C | Feb 2023 | 444 | 1 | 8 | 370 | 6.7 | 16 | 40 | 447.47 | 570 | 130 | 2.3 |
| A | Mar 2023 | 705 | 39 | 9 | 553 | 9.0 | 70 | 91 | 448.31 | 586 | 168 | 2.7 |
| L | Apr 2023 | 844 | 52 | 11 | 669 | 11.2 | 49 | 169 | 447.68 | 574 | 153 | 2.6 |
| * | May 2023 | 859 | 33 | 13 | 655 | 10.7 | 73 | 166 | 446.26 | 547 | 135 | 2.2 |
| | Jun 2023 | 830 | 10 | 15 | 674 | 11.3 | 67 | 39 | 448.00 | 580 | 130 | 2.2 |
| | Jul 2023 | 807 | 17 | 17 | 709 | 11.5 | 71 | 16 | 448.00 | 580 | 130 | 2.1 |
| | Aug 2023 | 717 | 19 | 17 | 625 | 10.2 | 71 | 22 | 447.50 | 571 | 103 | 1.7 |
| | Sep 2023 | 678 | 12 | 15 | 535 | 9.0 | 82 | 48 | 447.50 | 570 | 93 | 1.6 |
| | **WY 2023** | **7725** | **238** | **139** | **6056** | | **862** | **828** | | | **1410** | |
| | Oct 2023 | 656 | 21 | 12 | 466 | 7.6 | 85 | 106 | 447.50 | 571 | 68 | 1.1 |
| | Nov 2023 | 518 | 14 | 9 | 353 | 5.9 | 83 | 81 | 447.50 | 570 | 84 | 1.4 |
| | Dec 2023 | 367 | 17 | 7 | 251 | 4.1 | 86 | 54 | 446.50 | 552 | 84 | 1.4 |
| | Jan 2024 | 505 | 7 | 6 | 313 | 5.1 | 90 | 97 | 446.50 | 552 | 138 | 2.2 |
| | Feb 2024 | 538 | 4 | 8 | 411 | 7.1 | 12 | 105 | 446.50 | 552 | 124 | 2.2 |
| | Mar 2024 | 849 | 2 | 9 | 608 | 9.9 | 102 | 119 | 446.70 | 555 | 147 | 2.4 |
| | Apr 2024 | 1004 | 7 | 11 | 727 | 12.2 | 93 | 132 | 448.70 | 593 | 147 | 2.5 |
| | May 2024 | 982 | 4 | 13 | 734 | 11.9 | 89 | 139 | 448.70 | 593 | 110 | 1.8 |
| | Jun 2024 | 860 | 10 | 16 | 714 | 12.0 | 86 | 42 | 448.70 | 593 | 116 | 2.0 |
| | Jul 2024 | 780 | 17 | 17 | 686 | 11.2 | 89 | 7 | 448.00 | 580 | 123 | 2.0 |
| | Aug 2024 | 717 | 19 | 17 | 621 | 10.1 | 89 | 7 | 447.50 | 571 | 102 | 1.7 |
| | Sep 2024 | 701 | 12 | 15 | 533 | 9.0 | 86 | 69 | 447.50 | 570 | 99 | 1.7 |
| | **WY 2024** | **8478** | **134** | **139** | **6416** | | **990** | **958** | | | **1343** | |
| | Oct 2024 | 641 | 21 | 12 | 482 | 7.8 | 89 | 71 | 447.50 | 571 | 89 | 1.4 |
| | Nov 2024 | 508 | 14 | 9 | 375 | 6.3 | 86 | 46 | 447.50 | 570 | 115 | 1.9 |
| | Dec 2024 | 388 | 17 | 7 | 270 | 4.4 | 89 | 53 | 446.50 | 552 | 110 | 1.8 |
| | Jan 2025 | 501 | 7 | 6 | 313 | 5.1 | 86 | 97 | 446.50 | 552 | 138 | 2.2 |
| | Feb 2025 | 534 | 4 | 8 | 411 | 7.4 | 8 | 105 | 446.50 | 552 | 124 | 2.2 |
| | Mar 2025 | 844 | 2 | 9 | 608 | 9.9 | 98 | 119 | 446.70 | 555 | 147 | 2.4 |
| | Apr 2025 | 1000 | 7 | 11 | 726 | 12.2 | 89 | 132 | 448.70 | 593 | 147 | 2.5 |
| | May 2025 | 978 | 4 | 13 | 733 | 11.9 | 85 | 139 | 448.70 | 593 | 110 | 1.8 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 889 | 14.9 | 1043.02 | 7187 | -330 | 396.77 | 1076.9 | 315.1 | 81 | 354.6 |
| H | Jul 2022 | 822 | 13.4 | 1040.92 | 7041 | -146 | 392.29 | 1236.6 | 287.9 | 94 | 350.1 |
| I | Aug 2022 | 573 | 9.3 | 1044.28 | 7275 | 234 | 399.70 | 1224.8 | 200.6 | 94 | 349.9 |
| S | Sep 2022 | 539 | 9.1 | 1045.03 | 7328 | 53 | 400.65 | 1157.3 | 188.5 | 88 | 349.7 |
| | **WY 2022** | **8899** | | | | | | | **3240.9** | | |
| T | Oct 2022 | 418 | 6.8 | 1046.28 | 7417 | 88 | 402.36 | 924.5 | 145.8 | 70 | 348.8 |
| O | Nov 2022 | 713 | 12.0 | 1043.02 | 7187 | -230 | 395.39 | 948.8 | 254.6 | 72 | 357.1 |
| R | 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 |
| C | Feb 2023 | 494 | 8.9 | 1047.02 | 7469 | 4 | 399.03 | 810.5 | 175.9 | 60 | 356.5 |
| A | Mar 2023 | 754 | 12.3 | 1046.03 | 7399 | -70 | 397.62 | 863.6 | 270.4 | 65 | 358.8 |
| L | Apr 2023 | 831 | 14.0 | 1049.69 | 7661 | 262 | 402.80 | 839.3 | 300.5 | 65 | 361.7 |
| * | May 2023 | 855 | 13.9 | 1054.28 | 7995 | 335 | 405.85 | 986.6 | 313.1 | 71 | 366.3 |
| | Jun 2023 | 896 | 15.1 | 1056.27 | 8143 | 147 | 404.75 | 1080.0 | 328.9 | 78 | 367.0 |
| | Jul 2023 | 827 | 13.4 | 1059.94 | 8418 | 276 | 405.99 | 1283.0 | 304.7 | 90 | 368.5 |
| | Aug 2023 | 735 | 12.0 | 1064.79 | 8790 | 372 | 410.54 | 1320.6 | 270.8 | 90 | 368.2 |
| | Sep 2023 | 647 | 10.9 | 1066.77 | 8945 | 154 | 414.89 | 1312.0 | 238.0 | 89 | 368.0 |
| | **WY 2023** | **8019** | | | | | | | **2899.5** | | |
| | Oct 2023 | 498 | 8.1 | 1066.64 | 8935 | -10 | 420.88 | 924.9 | 189.6 | 63 | 380.7 |
| | Nov 2023 | 598 | 10.0 | 1065.55 | 8849 | -85 | 422.56 | 924.9 | 228.1 | 63 | 381.5 |
| | Dec 2023 | 500 | 8.1 | 1067.05 | 8967 | 117 | 419.40 | 1098.0 | 188.9 | 74 | 378.0 |
| | Jan 2024 | 587 | 9.5 | 1069.15 | 9132 | 165 | 419.54 | 1020.0 | 220.1 | 69 | 375.1 |
| | Feb 2024 | 559 | 9.7 | 1070.58 | 9246 | 113 | 420.54 | 1027.0 | 210.4 | 69 | 376.7 |
| | Mar 2024 | 903 | 14.7 | 1068.57 | 9086 | -160 | 418.53 | 1203.0 | 341.7 | 81 | 378.3 |
| | Apr 2024 | 1029 | 17.3 | 1063.55 | 8695 | -391 | 412.70 | 1446.0 | 381.2 | 100 | 370.4 |
| | May 2024 | 1010 | 16.4 | 1058.20 | 8287 | -408 | 407.58 | 1418.0 | 366.3 | 100 | 362.8 |
| | Jun 2024 | 895 | 15.0 | 1054.15 | 7986 | -301 | 402.93 | 1390.0 | 322.8 | 100 | 360.9 |
| | Jul 2024 | 787 | 12.8 | 1052.87 | 7892 | -94 | 400.62 | 1399.4 | 283.4 | 100 | 360.3 |
| | Aug 2024 | 749 | 12.2 | 1053.03 | 7903 | 11 | 400.39 | 1399.4 | 268.2 | 100 | 358.2 |
| | Sep 2024 | 670 | 11.3 | 1051.64 | 7802 | -101 | 400.43 | 1386.6 | 237.9 | 100 | 355.1 |
| | **WY 2024** | **8783** | | | | | | | **3238.7** | | |
| | Oct 2024 | 483 | 7.8 | 1053.80 | 7960 | 158 | 404.45 | 1215.9 | 175.2 | 87 | 363.1 |
| | Nov 2024 | 588 | 9.9 | 1054.59 | 8018 | 59 | 409.56 | 1029.6 | 216.0 | 74 | 367.1 |
| | Dec 2024 | 521 | 8.5 | 1057.42 | 8229 | 211 | 407.93 | 1220.4 | 191.9 | 86 | 368.7 |
| | Jan 2025 | 583 | 9.5 | 1061.31 | 8523 | 294 | 410.76 | 1009.5 | 213.8 | 70 | 366.9 |
| | Feb 2025 | 554 | 10.0 | 1064.28 | 8751 | 228 | 413.42 | 1024.5 | 206.0 | 70 | 371.6 |
| | Mar 2025 | 899 | 14.6 | 1063.77 | 8711 | -40 | 412.48 | 1263.4 | 333.7 | 87 | 371.2 |
| | Apr 2025 | 1025 | 17.2 | 1060.05 | 8427 | -284 | 409.96 | 1245.1 | 379.6 | 87 | 370.4 |
| | May 2025 | 1005 | 16.4 | 1056.01 | 8123 | -303 | 406.10 | 1224.6 | 365.8 | 87 | 363.9 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 842 | 14.1 | 643.47 | 1712 | 3 | 139.18 | 251.6 | 108.5 | 99 | 128.9 |
| H | Jul 2022 | 770 | 12.5 | 643.97 | 1725 | 14 | 144.37 | 255.0 | 99.3 | 100 | 129.1 |
| I | Aug 2022 | 575 | 9.3 | 642.87 | 1695 | -30 | 141.93 | 253.3 | 74.7 | 99 | 129.9 |
| S | Sep 2022 | 617 | 10.4 | 639.17 | 1595 | -100 | 137.50 | 248.2 | 78.5 | 97 | 127.3 |
| | **WY 2022** | **8495** | | | | | | | **1074.5** | | |
| T | Oct 2022 | 540 | 8.8 | 633.78 | 1454 | -141 | 134.35 | 185.9 | 66.9 | 73 | 123.8 |
| O | Nov 2022 | 516 | 8.7 | 640.22 | 1623 | 169 | 141.13 | 154.7 | 62.5 | 61 | 121.1 |
| R | 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 |
| C | Feb 2023 | 429 | 8.0 | 643.00 | 1699 | 24 | 141.81 | 185.8 | 56.7 | 73 | 132.3 |
| A | Mar 2023 | 705 | 11.5 | 644.17 | 1731 | 32 | 141.44 | 215.5 | 93.4 | 85 | 132.4 |
| L | Apr 2023 | 844 | 14.2 | 642.84 | 1694 | -36 | 138.90 | 255.0 | 108.3 | 100 | 128.3 |
| * | May 2023 | 833 | 14.0 | 641.83 | 1667 | -28 | 137.48 | 255.0 | 109.4 | 100 | 131.4 |
| | Jun 2023 | 830 | 13.9 | 643.00 | 1699 | 32 | 139.04 | 249.9 | 103.9 | 98 | 125.3 |
| | Jul 2023 | 807 | 13.1 | 642.50 | 1685 | -14 | 139.67 | 255.0 | 101.5 | 100 | 125.8 |
| | Aug 2023 | 717 | 11.7 | 642.00 | 1671 | -14 | 139.73 | 255.0 | 90.3 | 100 | 125.9 |
| | Sep 2023 | 678 | 11.4 | 640.01 | 1617 | -54 | 138.58 | 255.0 | 84.7 | 100 | 124.9 |
| | **WY 2023** | **7681** | | | | | | | **975.7** | | |
| | Oct 2023 | 656 | 10.7 | 633.00 | 1434 | -183 | 134.37 | 227.0 | 79.4 | 89 | 121.1 |
| | Nov 2023 | 518 | 8.7 | 635.00 | 1486 | 51 | 132.69 | 159.8 | 61.9 | 63 | 119.5 |
| | Dec 2023 | 367 | 6.0 | 639.51 | 1604 | 118 | 137.19 | 154.7 | 45.4 | 61 | 123.6 |
| | Jan 2024 | 505 | 8.2 | 641.80 | 1666 | 62 | 139.55 | 156.3 | 63.5 | 61 | 125.7 |
| | Feb 2024 | 538 | 9.4 | 641.80 | 1666 | 0 | 140.21 | 160.0 | 68.0 | 63 | 126.3 |
| | Mar 2024 | 849 | 13.8 | 643.05 | 1700 | 34 | 139.10 | 194.1 | 106.4 | 76 | 125.3 |
| | Apr 2024 | 1004 | 16.9 | 643.00 | 1699 | -2 | 138.64 | 249.9 | 125.5 | 98 | 124.9 |
| | May 2024 | 982 | 16.0 | 643.00 | 1699 | 0 | 138.92 | 255.0 | 122.9 | 100 | 125.2 |
| | Jun 2024 | 860 | 14.5 | 643.00 | 1699 | 0 | 139.44 | 255.0 | 108.0 | 100 | 125.6 |
| | Jul 2024 | 780 | 12.7 | 642.00 | 1671 | -27 | 139.58 | 255.0 | 98.1 | 100 | 125.8 |
| | Aug 2024 | 717 | 11.7 | 642.00 | 1671 | 0 | 139.48 | 255.0 | 90.1 | 100 | 125.7 |
| | Sep 2024 | 701 | 11.8 | 640.01 | 1617 | -54 | 138.44 | 255.0 | 87.5 | 100 | 124.7 |
| | **WY 2024** | **8478** | | | | | | | **1056.7** | | |
| | Oct 2024 | 641 | 10.4 | 633.00 | 1434 | -183 | 134.48 | 227.0 | 77.6 | 89 | 121.2 |
| | Nov 2024 | 508 | 8.5 | 635.00 | 1486 | 51 | 132.76 | 159.8 | 60.8 | 63 | 119.6 |
| | Dec 2024 | 388 | 6.3 | 639.51 | 1604 | 118 | 137.03 | 154.7 | 47.9 | 61 | 123.5 |
| | Jan 2025 | 501 | 8.2 | 641.80 | 1666 | 62 | 139.59 | 156.3 | 63.0 | 61 | 125.8 |
| | Feb 2025 | 534 | 9.6 | 641.80 | 1666 | 0 | 140.10 | 156.6 | 67.4 | 61 | 126.2 |
| | Mar 2025 | 844 | 13.7 | 643.05 | 1700 | 34 | 139.13 | 194.1 | 105.8 | 76 | 125.3 |
| | Apr 2025 | 1000 | 16.8 | 643.00 | 1699 | -2 | 138.67 | 249.9 | 124.9 | 98 | 124.9 |
| | May 2025 | 978 | 15.9 | 643.00 | 1699 | 0 | 138.94 | 255.0 | 122.4 | 100 | 125.2 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 679 | 11.4 | 448.30 | 586 | -7 | 78.23 | 120.0 | 47.2 | 100 | 69.4 |
| H | Jul 2022 | 639 | 10.4 | 448.84 | 596 | 10 | 82.19 | 120.0 | 44.7 | 100 | 69.9 |
| I | Aug 2022 | 482 | 7.8 | 448.16 | 583 | -13 | 83.58 | 120.0 | 33.4 | 100 | 69.3 |
| S | Sep 2022 | 458 | 7.7 | 447.96 | 579 | -4 | 81.26 | 120.0 | 31.4 | 100 | 68.7 |
| | **WY 2022** | **6231** | | | | | | | **431.0** | | |
| T | Oct 2022 | 393 | 6.4 | 447.14 | 564 | -15 | 81.28 | 91.9 | 27.2 | 77 | 69.1 |
| O | Nov 2022 | 336 | 5.6 | 447.09 | 563 | -1 | 82.54 | 82.0 | 22.8 | 68 | 68.0 |
| R | 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 |
| C | Feb 2023 | 357 | 6.7 | 447.47 | 570 | 6 | 81.43 | 94.3 | 25.4 | 79 | 71.2 |
| A | Mar 2023 | 553 | 9.0 | 448.31 | 586 | 16 | 81.24 | 120.0 | 38.6 | 100 | 69.8 |
| L | Apr 2023 | 669 | 11.2 | 447.68 | 574 | -12 | 79.27 | 120.0 | 46.4 | 100 | 69.4 |
| * | May 2023 | 655 | 10.7 | 446.26 | 547 | -26 | 78.52 | 116.1 | 45.3 | 97 | 69.2 |
| | Jun 2023 | 674 | 11.3 | 448.00 | 580 | 33 | 77.48 | 120.0 | 46.5 | 100 | 69.0 |
| | Jul 2023 | 709 | 11.5 | 448.00 | 580 | 0 | 78.28 | 120.0 | 49.2 | 100 | 69.4 |
| | Aug 2023 | 625 | 10.2 | 447.50 | 571 | -9 | 78.56 | 120.0 | 43.4 | 100 | 69.4 |
| | Sep 2023 | 535 | 9.0 | 447.50 | 570 | 0 | 78.82 | 120.0 | 37.1 | 100 | 69.3 |
| | **WY 2023** | **6043** | | | | | | | **417.8** | | |
| | Oct 2023 | 466 | 7.6 | 447.50 | 571 | 0 | 79.46 | 91.0 | 32.8 | 76 | 70.3 |
| | Nov 2023 | 353 | 5.9 | 447.50 | 570 | 0 | 80.26 | 92.0 | 24.3 | 77 | 68.8 |
| | Dec 2023 | 251 | 4.1 | 446.50 | 552 | -19 | 80.76 | 112.3 | 16.0 | 94 | 63.7 |
| | Jan 2024 | 313 | 5.1 | 446.50 | 552 | 0 | 79.71 | 92.9 | 20.9 | 77 | 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** | **6416** | | | | | | | **444.1** | | |
| | 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 | 92.9 | 20.9 | 77 | 66.8 |
| | Feb 2025 | 411 | 7.4 | 446.50 | 552 | 0 | 78.54 | 95.4 | 28.4 | 79 | 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 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 2023 24-Month Study

Most Probable Inflow*

## Upper Basin Power

| | Date | Glen Canyon 1000 MWHR | Flaming Gorge 1000 MWHR | Blue Mesa 1000 MWHR | Morrow Point 1000 MWHR | Crystal Reservoir 1000 MWHR | Fontenelle Reservoir 1000 MWHR |
|---|---|---|---|---|---|---|---|
| * | Jun 2022 | 222 | 41 | 18 | 25 | 16 | 6 |
| H | Jul 2022 | 251 | 29 | 23 | 29 | 17 | 7 |
| I | Aug 2022 | 265 | 39 | 23 | 31 | 18 | 6 |
| S | Sep 2022 | 201 | 42 | 14 | 27 | 13 | 5 |
| | **Summer 2022** | **1332** | **222** | **108** | **160** | **92** | **28** |
| T | Oct 2022 | 175 | 42 | 0 | 21 | 10 | 2 |
| O | Nov 2022 | 181 | 38 | 0 | 6 | 2 | 1 |
| R | Dec 2022 | 199 | 40 | 1 | 6 | 2 | 4 |
| I | Jan 2023 | 182 | 41 | 4 | 5 | 2 | 4 |
| C | Feb 2023 | 172 | 37 | 5 | 6 | 0 | 1 |
| A | Mar 2023 | 173 | 23 | 4 | 6 | 0 | 3 |
| | **Winter 2023** | **1083** | **220** | **15** | **49** | **16** | **15** |
| L | Apr 2023 | 291 | 17 | 5 | 9 | 3 | 4 |
| * | May 2023 | 412 | 18 | 21 | 40 | 20 | 7 |
| | Jun 2023 | 420 | 55 | 37 | 48 | 22 | 8 |
| | Jul 2023 | 466 | 29 | 39 | 48 | 23 | 7 |
| | Aug 2023 | 456 | 33 | 32 | 38 | 19 | 7 |
| | Sep 2023 | 326 | 35 | 8 | 36 | 18 | 5 |
| | **Summer 2023** | **2372** | **186** | **143** | **219** | **107** | **37** |
| | Oct 2023 | 191 | 20 | 22 | 27 | 9 | 5 |
| | Nov 2023 | 199 | 19 | 16 | 19 | 10 | 4 |
| | Dec 2023 | 238 | 26 | 24 | 30 | 15 | 4 |
| | Jan 2024 | 285 | 26 | 12 | 16 | 9 | 4 |
| | Feb 2024 | 250 | 25 | 12 | 15 | 8 | 3 |
| | Mar 2024 | 263 | 29 | 13 | 17 | 9 | 3 |
| | **Winter 2024** | **1425** | **145** | **99** | **125** | **60** | **24** |
| | Apr 2024 | 235 | 28 | 13 | 20 | 12 | 2 |
| | May 2024 | 239 | 76 | 17 | 31 | 22 | 5 |
| | Jun 2024 | 258 | 21 | 37 | 50 | 22 | 7 |
| | Jul 2024 | 296 | 24 | 33 | 40 | 21 | 8 |
| | Aug 2024 | 315 | 35 | 35 | 41 | 21 | 7 |
| | Sep 2024 | 235 | 35 | 32 | 38 | 19 | 6 |
| | **Summer 2024** | **1578** | **220** | **168** | **221** | **117** | **36** |
| | Oct 2024 | 265 | 24 | 26 | 32 | 10 | 4 |
| | Nov 2024 | 265 | 25 | 16 | 20 | 10 | 4 |
| | Dec 2024 | 293 | 40 | 23 | 28 | 14 | 4 |
| | Jan 2025 | 350 | 40 | 14 | 18 | 10 | 4 |
| | Feb 2025 | 306 | 36 | 13 | 17 | 9 | 3 |
| | Mar 2025 | 323 | 21 | 11 | 15 | 8 | 3 |
| | **Winter 2025** | **1802** | **186** | **105** | **130** | **61** | **21** |
| | Apr 2025 | 286 | 20 | 12 | 19 | 11 | 2 |
| | May 2025 | 289 | 66 | 20 | 32 | 20 | 6 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## June 2023 24-Month Study

Most Probable Inflow*

## Flood Control Criteria - Beginning of Month Conditions

— BUREAU OF —
RECLAMATION

| Date | Flaming Gorge KAF | Blue Mesa KAF | Navajo KAF | Lake Powell KAF | Upper Basin Total KAF | Lake Mead KAF | Total KAF | Flaming Gorge KAF | Blue Mesa KAF | Navajo KAF | Tot or Max Allow KAF | Lake Powell KAF | Lake Mead KAF | Total KAF | BOM Space Required KAF | Mead Sched Rel KAF | Mead FC Rel KAF | Sys Cont MAF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ****PREDICTED SPACE**** | | | | | | | ****EFFECTIVE SPACE**** | | | | | | | | | | |
| Jun 2023 | 843 | 236 | 308 | 15426 | 16813 | 19625 | 36438 | 322 | 195 | 18 | 534 | 15426 | 19625 | 35585 | 1500 | 896 | 0 | 26.0 |
| Jul 2023 | 597 | 56 | 380 | 13419 | 14452 | 19477 | 33929 | 55 | -11 | 38 | 82 | 13419 | 19477 | 32978 | 1500 | 827 | 0 | 26.2 |
| | | | | | | | | ****CREDITABLE SPACE**** | | | | | | | | | | |
| Aug 2023 | 558 | 65 | 399 | 13533 | 14554 | 19202 | 33755 | 558 | 65 | 399 | 1021 | 13533 | 19202 | 33755 | 1500 | 735 | 0 | 25.9 |
| Sep 2023 | 598 | 99 | 426 | 14071 | 15195 | 18830 | 34025 | 598 | 99 | 426 | 1124 | 14071 | 18830 | 34025 | 2270 | 647 | 0 | 25.5 |
| Oct 2023 | 663 | 149 | 432 | 14369 | 15613 | 18675 | 34289 | 663 | 149 | 432 | 1245 | 14369 | 18675 | 34289 | 3040 | 498 | 0 | 25.4 |
| Nov 2023 | 673 | 178 | 422 | 14300 | 15574 | 18685 | 34259 | 673 | 178 | 422 | 1274 | 14300 | 18685 | 34259 | 3810 | 598 | 0 | 25.3 |
| Dec 2023 | 679 | 189 | 415 | 14304 | 15587 | 18771 | 34358 | 679 | 189 | 415 | 1284 | 14304 | 18771 | 34358 | 4580 | 500 | 0 | 25.3 |
| Jan 2024 | 723 | 242 | 412 | 14414 | 15790 | 18653 | 34443 | 723 | 242 | 412 | 1377 | 14414 | 18653 | 34443 | 5350 | 587 | 0 | 25.2 |
| | | | | | | | | ****EFFECTIVE SPACE**** | | | | | | | | | | |
| Jan 2024 | 723 | 242 | 412 | 14414 | 15790 | 18653 | 34443 | 394 | 242 | 160 | 796 | 14414 | 18653 | 33863 | 5350 | 587 | 0 | 25.2 |
| Feb 2024 | 758 | 258 | 413 | 14693 | 16122 | 18488 | 34610 | 427 | 258 | 161 | 846 | 14693 | 18488 | 34027 | 1500 | 559 | 0 | 25.1 |
| Mar 2024 | 785 | 274 | 410 | 14861 | 16329 | 18374 | 34704 | 452 | 274 | 156 | 881 | 14861 | 18374 | 34117 | 1500 | 903 | 0 | 24.9 |
| Apr 2024 | 774 | 281 | 383 | 14980 | 16417 | 18534 | 34951 | 436 | 281 | 122 | 839 | 14980 | 18534 | 34353 | 1500 | 1029 | 0 | 24.9 |
| May 2024 | 736 | 260 | 323 | 14809 | 16128 | 18925 | 35053 | 393 | 260 | 39 | 691 | 14809 | 18925 | 34425 | 1500 | 1010 | 0 | 25.9 |
| Jun 2024 | 768 | 120 | 367 | 13454 | 14710 | 19333 | 34043 | 420 | 120 | 43 | 583 | 13454 | 19333 | 33370 | 1500 | 895 | 0 | 27.2 |
| Jul 2024 | 490 | 13 | 404 | 12212 | 13120 | 19634 | 32754 | 123 | -10 | 25 | 138 | 12212 | 19634 | 31984 | 1500 | 787 | 0 | 27.1 |
| | | | | | | | | ****CREDITABLE SPACE**** | | | | | | | | | | |
| Aug 2024 | 387 | 17 | 439 | 12184 | 13026 | 19728 | 32755 | 387 | 17 | 439 | 842 | 12184 | 19728 | 32755 | 1500 | 749 | 0 | 26.7 |
| Sep 2024 | 434 | 67 | 470 | 12457 | 13428 | 19717 | 33145 | 434 | 67 | 470 | 971 | 12457 | 19717 | 33145 | 2270 | 670 | 0 | 26.3 |
| Oct 2024 | 505 | 125 | 476 | 12559 | 13665 | 19818 | 33483 | 505 | 125 | 476 | 1106 | 12559 | 19818 | 33483 | 3040 | 483 | 0 | 26.1 |
| Nov 2024 | 529 | 175 | 470 | 12705 | 13879 | 19660 | 33540 | 529 | 175 | 470 | 1174 | 12705 | 19660 | 33540 | 3810 | 588 | 0 | 26.0 |
| Dec 2024 | 556 | 194 | 470 | 12857 | 14078 | 19602 | 33680 | 556 | 194 | 470 | 1221 | 12857 | 19602 | 33680 | 4580 | 521 | 0 | 25.9 |
| Jan 2025 | 640 | 244 | 474 | 13082 | 14440 | 19391 | 33831 | 640 | 244 | 474 | 1358 | 13082 | 19391 | 33831 | 5350 | 583 | 0 | 25.8 |
| | | | | | | | | ****EFFECTIVE SPACE**** | | | | | | | | | | |
| Jan 2025 | 640 | 244 | 474 | 13082 | 14440 | 19391 | 33831 | 358 | 216 | 228 | 802 | 13082 | 19391 | 33276 | 5350 | 583 | 0 | 25.8 |
| Feb 2025 | 717 | 267 | 478 | 13465 | 14927 | 19097 | 34024 | 435 | 240 | 232 | 907 | 13465 | 19097 | 33469 | 1500 | 554 | 0 | 25.7 |
| Mar 2025 | 782 | 286 | 474 | 13735 | 15276 | 18869 | 34145 | 499 | 261 | 226 | 986 | 13735 | 18869 | 33590 | 1500 | 899 | 0 | 25.5 |
| Apr 2025 | 763 | 287 | 428 | 13990 | 15468 | 18909 | 34377 | 475 | 263 | 174 | 912 | 13990 | 18909 | 33811 | 1500 | 1025 | 0 | 25.4 |
| May 2025 | 717 | 256 | 365 | 13976 | 15313 | 19193 | 34506 | 424 | 227 | 88 | 739 | 13976 | 19193 | 33908 | 1500 | 1005 | 0 | 26.3 |

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

**Model Run ID: 3226**

**Processed On: 6/9/2023 1:03:34PM**