



May 30, 2024

NOTICE REGULAR MEETING OF THE COLORADO RIVER BOARD OF CALIFORNIA

NOTICE IS HEREBY GIVEN pursuant to the call of the Chairman, J.B. Hamby, by the undersigned Executive Director of the Colorado River Board of California that a regular meeting of the members of the board is to be held as follows:

Board Meeting

Date: Wednesday, June 12, 2024

Time: **10:00 AM**

Place: San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123

The Colorado River Board of California welcomes any comments from members of the public pertaining to items included on this agenda and related topics. Members of the public may provide comments in the following ways: (1) Oral comments can be provided at the beginning of each board meeting; and (2) Public comments may be submitted by electronic mail, addressed to the board's Chairman, J.B. Hamby, at crb@crb.ca.gov and will be accepted up until 5:00 p.m. on June 10, 2024. Please note, written submissions will be read aloud at the public comment period to the extent they fit within the five-minute time limit.

If accommodations for individuals with disabilities are required, such persons should provide a request at least 24 hours in advance of the meeting by electronic mail to board staff at crb@crb.ca.gov.

Requests for additional information may be directed to: Mr. Christopher S. Harris, Executive Director, Colorado River Board of California, 770 Fairmont Avenue, Suite 100, Glendale, CA 91203-1068. A copy of this Notice and Agenda may be found on the Colorado River Board's web page at www.crb.ca.gov.

A copy of the meeting agenda, showing the matters to be considered and transacted, is attached.



REGULAR MEETING AGENDA

Wednesday, June 12, 2024 — 10:00 AM

At the discretion of the board, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated upon and may be subject to action by the board. Items may not necessarily be taken up in the order shown.

CALL TO ORDER

WELCOME FROM SAN DIEGO COUNTY WATER AUTHORITY

PUBLIC COMMENTS (Limited to 5 minutes.)

ADMINISTRATION

1. Consideration and approval of meeting minutes of the April 10, 2024 board meeting **(Action)**
2. Consideration and adoption of the Board's Fiscal Year 2024-2025 budget **(Action)**
3. Consideration and adoption of 2024 Board Work Plan **(Action)**
4. Bagley-Keene Open Meeting Act Overview **(Information)**

REPORTS

1. Local and State Water Supply and Operations Reports
2. Colorado River Basin Water Supply and Operations Reports
3. Colorado River Basin Programs Staff Reports
4. Member Agency and Public Member Reports
5. Executive Director's Report
6. Chairman's Report



EXECUTIVE SESSION

- A. Address personnel issues. (Gov. Code, § 11126, subdivision (a)(1).)
- B. Discuss interstate claims to the use of Colorado River System waters in judicial proceedings, administrative proceedings, and/or negotiations with representatives from the other Basin states or federal government. (Wat. Code, § 12519)

OTHER BUSINESS

FUTURE AGENDA ITEMS & ANNOUNCEMENTS

ADJOURNMENT

Next Scheduled Board Meeting

Date: Wednesday, July 10, 2024

Time: **Cancelled**

Minutes of Meeting
COLORADO RIVER BOARD OF CALIFORNIA
Wednesday, April 10, 2024

A meeting of the Colorado River Board of California (Board) was held on Wednesday, April 10, 2024, at the Metropolitan Water District of Southern California facility, 2325 Searl Parkway, Hemet, CA 92545.

Board Members and Alternates Present:

David De Jesus (MWD Alternate)
Gina Dockstader (IID Alternate)
Dana B. Fisher, Jr. (PVID)
John B. Hamby, Chairman (IID)

Eric Heidemann (SDCWA Alternate)
Jeanine Jones (DWR Designee)
Jim Madaffer, Vice Chairman (SDCWA)
Frank Ruiz (Public Member)

Board Members and Alternates Absent:

Gloria Cordero (MWD)
Castulo Estrada (CVWD Alternate)
Christopher Hayes (DFW Designee)
Jordan Joaquin (Public Member)
Delon Kwan (LADWP Alternate)

Peter Nelson (CVWD)
David R. Pettijohn (LADWP)
Jack Seiler (PVID Alternate)
David Vigil (DFW Alternate)

Others Present:

Steven Abbott
Nick Bahr
Dennis Davis
JR Echard
Adel Hagekhalil
Christopher Harris
Ned Hyduke
Laura Lamdin
Aaron Mead
Martin Miller
Travis Moore
Yuanyuan Myint

Jessica Neuwerth
Alexi Schnell
David Rheinheimer
Brad Robinson
Jason Rollo
Shanti Rosset
Carrie Scott
Gary Tavetian
Joseph Vanderhorst
Petya Vasileva
Meena Westford
Greg Widman
Jerry Zimmerman

CALL TO ORDER

Chairman Hamby announced the presence of a quorum and called the meeting to order at 1:00 p.m. Chairman Hamby thanked the staff who helped organizing for the tour.

WELCOME FROM METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Adel Hagekhalil, General Manager of the Metropolitan Water District of Southern California (MWD), welcomed everyone and thanked everyone for their partnership and leadership. Mr. Hagekhalil noted that California is united because we support each other. When Mr. Hagekhalil and Chairman Hamby went to Washington D.C. advocating for the post-2026 guidelines, they conveyed the message about what California has done to conserve, and how California needs the Upper Basin to share in reductions.

Mr. Hagekhalil suggested the Board host a reception at the upcoming Association of California Water Agencies conference to show the unity in California as well as what California is doing, including the success of conservation and investments related to the Colorado River since 2003. Mr. Hagekhalil stated that the investment in the Colorado River benefits the entire State and the entire southwest. Mr. Hagekhalil stated that our job is to ensure safe and reliable water for all with no one left behind.

Chairman Hamby thanked Mr. Hagekhalil and called Vice Chairman Madaffer for an update. Vice Chairman Madaffer welcomed Meena Westford's return to San Diego County Water Authority (SDCWA) as new Director of Strategic Initiatives. Vice Chairman Madaffer noted that Ms. Westford first joined SDCWA in 2008 after a seventeen-year career at the U.S. Bureau of Reclamation and did water resource management in southern California. Ms. Westford later joined MWD in 2012. Ms. Westford will be reporting to SDCWA's new General Manager, Dan Denham.

OPPORTUNITY FOR THE PUBLIC TO ADDRESS THE BOARD

Chairman Hamby invited members of the audience to address the Board on items on the agenda or matters related to the Board. Hearing none, he moved on to the next item on the agenda.

ADMINISTRATION

February 14, 2024, Board Meeting Minutes

Chairman Hamby asked for a motion to approve the February 14, 2024, Board meeting minutes. Member Fisher moved that the minutes to be approved, second by Vice Chairman Madaffer. By roll-call vote, the minutes were unanimously approved.

Discussion of FY 24/25 Priorities and Projects

Deputy Director Neuwerth provided an update on the results of the Colorado River Board of California (CRB) stakeholder survey. Suggestions from the initial responses include but are not limited to 1) clarify the role of the Board and the role of staff, 2) more communication between the Board and staff on goals and priorities, 3) strategic planning to set and advance goals, and 4) clearer messaging and greater visibility of the Board such as more focus on outreach and public relations and more interactive meetings. Deputy Director Neuwerth stated that information from the survey will help staff prepare draft budgets for the CRB, Six Agency Committee (SAC) and Colorado River Authority (CRA) that will be presented in May 2024.

Member Fisher asked how many people were requested to fill out the survey and how many responses were received. Deputy Director Neuwerth responded that the survey was sent to about 200 people and about 12 of them responded so far and results were still being collected. Member Fisher asked if the survey was anonymous. Deputy Director Neuwerth confirmed and asked everyone to participate.

Deputy Director Neuwerth asked the Board for input on priorities and projects for the fiscal year 2024-2025. The first discussion considered what the priorities the Board would like to focus on in the coming year. Deputy Director Neuwerth stated that the priorities could be internal to the Board (e.g., strategic planning effort, board events, etc.) or external (e.g., intra- or inter-state agreement, etc.). The second discussion related to projects or research efforts the Board would like to see undertaken.

Chairman Hamby would like to see more robust public education, public outreach, and media coordination. Chairman Hamby suggested exploring creation of a Public Information Officer position at CRB. The role could focus on external and internal communications to tell California's story and coordinate with the internal and external affairs groups of member agencies and to create a plan of engagement that is monitored throughout the year.

Vice Chairman Madaffer agreed with Chairman Hamby and stated that, despite being the largest stakeholder in the Colorado River, California and its accomplishments are often overlooked. Chairman Madaffer added that there is a good story to tell, including California's

agricultural conservation and agriculture to urban transfers. Vice Chairman Madaffer stated that he would like to work with CRB staff to review the CRB organizational chart and budget. Vice Chairman Madaffer reiterated the need to improve California's visibility of Colorado River issues and would like to see improvement in CRB outreach.

Deputy Director Neuwerth stated that it would be helpful to establish an outreach plan that not only includes the Board, but also integrates all of the agencies.

Member Ruiz indicated that many agencies of the Board have implemented various water conservation programs such as urban water conservation programs and turf replacement projects. Member Ruiz added that since there was not a platform to tell California's story, the public were not aware of what we were doing. Member Ruiz suggested a communication approach that integrates agricultural and urban efforts and also discusses climate change. Member Ruiz suggested bringing all agencies together to create a single approach to represent California in a coordinated manner.

Member De Jesus indicated that it was important to have something to leave behind that doesn't have intense detail but may include a QR code that leads to different websites and resources for the public for explore.

Member Jones shared that the California Governor Gavin Newsom announced today that he has asked Karla Nemeth, Director of the California Department of Water Resources (DWR) to serve as an advisor on the Administration's key water priorities and to lead implementation of key water projects to achieve the Governor's water supply strategy. One of the projects listed was stabilizing Colorado River supplies. Member Jones shared that Director Nemeth will continue to serve as Director of DWR as she takes on this role and has already been thinking about a communications plan.

Member Fisher stated that a lot of the media that publish Colorado River stories are headquartered in Denver and pick up the Upper Basin perspective. Member Fisher stated that the Board's primary responsibility is to reflect the best interests of the four Section 5 contractors and the citizens of California. Member Fisher acknowledged that public outreach has been dormant for the past five years and suggested that, the Colorado River Authority may be a more appropriate vehicle for public outreach rather than hiring a Public Information Officer within CRB.

Chairman Hamby noted other states and other State departments have Public Information Office positions. Chairman Hamby stated that it sounds like there is a shared goal in improving our ability to tell a clear, coherent, cohesive, and consistent story and that we need to find the best options to carry that out.

Member Fisher stated a preference for keeping our heads down, adding that the right stance in negotiations is more important than public messaging. Member Fisher stated that the CRB is responsible to the State government and to the Resources Secretary.

Mr. Hagekhalil stated that it was important that the Board and the Board staff have the resources and toolbox to be able to use when needed. He stated that there are many ways to achieve the goal. Mr. Hagekhalil pointed out that CRB may not need to hire a full-time public relations person. Mr. Hagekhalil suggested other options: hiring a contractor to conduct public relations or creating a partnership among member agencies.

Member Fisher reiterated that the Colorado River Authority was established to do public outreach and is available as a tool.

Deputy Director Neuwerth stated that hearing the discussion, there was a strong interest from the Board in more coordination and more intentional communications. She stated that there were many ways to achieve the goal. Deputy Director Neuwerth suggested that CRB staff could investigate different options and present them to the Board in the future.

Member Jones requested that CRB's statute be reviewed at a future meeting, noting that the statute describes CRB's mandate as protecting the rights and interests of the State, agencies, and citizens, and not just the interests of Section 5 contractors. Member Jones added that this was the reason the Colorado River was included in key water projects in the Governor's recent announcement. Member Jones added that CRB has been funded by the State in the past and if the Board wants to expand certain efforts, we could ask for State funds through the State Budget process in the future.

Vice Chairman Madaffer agreed with Member Jones' comments and stated that he looks forward to the staff coming back with options for expanded public outreach. Vice Chairman Madaffer added that there is nothing in the charter prohibiting us from partnering with MWD or the Resources department.

Member De Jesus stated that it would be beneficial to understand the scope of the Colorado River Authority to determine if we could use it to get out the message and achieve our goals.

Deputy Director Neuwerth agreed that it would be good to understand the scope and responsibility of the CRB compared to Colorado River Authority.

Member Fisher inquired regarding the structure of the Colorado River Authority.

Chairman Hamby stated that it was a Joint Power Authority, which was largely formed for lobbying purpose.

Chairman Hamby suggested a future conversation regarding the role of the CRB as well as the Colorado River Authority and the Six Agencies Committee.

Deputy Director Neuwerth stated that an overview of CRB will be included in the May 2024 meeting agenda.

Member Madaffer suggested having a Board retreat.

Chairman Hamby asked Jerry Zimmerman, CRB's consultant, about the past retreats. Mr. Zimmerman responded that the Board historically did have retreats, which were focused on a particular issue at that point in time. Retreats often included presentations by agency staff, the Board staff, and other invited participants.

Chairman Hamby stated that the Board has discussed communications, Public Information Officer consideration, strategic planning. Chairman Hamby asked if there were any other discussions the Board would like to comment on. Hearing none, he moved on to the next item on the agenda.

LOCAL AND STATE WATER SUPPLY AND OPERATIONS REPORTS

Member Jones, representing DWR, reported that California's water year precipitation was 107% of average. She added that reservoir storage is above average, partly due to some carryover storage from last winter's statewide snowpack.

Member Jones reported that the statewide snowpack is 111% of normal and 110% of the April 1st average. She stated that runoff forecasts for major rivers basins in California are about 95% to 105% of average. She added that having average conditions in California is a rarity because the state experiences one extreme or the other. She stated that in Water Year 2023 (WY-2023), California had a very wet extreme and if you look back at the last twenty to thirty years of record the State has been significantly dry more often than not.

Member De Jesus, representing MWD, reported that MWD's combined reservoir storage as of April 1st is 88% of capacity. He reported that the Colorado River aqueduct annual maintenance is complete, and the aqueduct is on a 4-pump flow but will quickly ramp up to a seven-pump flow by the end of the year. The 2024 diversion target is 974,000 AF as of April 1st,

and MWD has diverted a little more than 100,000-acre feet (AF). He noted that information for water deliveries for January and February is not available, adding that the 2024 delivery target for the Desert Water Agency in Coachella Valley water district is 136,000 AF.

Deputy Director Neuwerth reported on precipitation conditions in the Eastern Sierra. She reported that conditions in the Eastern Sierra were slightly above average (104% of normal).

COLORADO RIVER BASIN WATER SUPPLY AND OPERATIONS REPORT

Deputy Director Neuwerth reported that as of April 1st, the water level at Lake Powell was 3,559.02 feet with 7.72 million-acre feet (MAF) of storage, or 33% of capacity. The water level at Lake Mead was 1,075.35 feet with 9.63 MAF of storage, or 37% of capacity. The total system storage was 24.61 MAF, or 42% of capacity, which is 5.59 MAF more than system storage at this time last year.

Deputy Director Neuwerth reported that as of March 18th, the WY-2024 forecasted unregulated inflow into Lake Powell is 8.08 MAF, or 84% of normal. She reported that the forecasted April to July inflow into Lake Powell is 5.4 MAF, or 85% of normal. She stated that observed inflow into Lake Powell for February was 95% of normal and the March inflow forecast was 80% of normal. She reported that WY-2024 precipitation to date is 106% of normal and the current Basin snowpack was 113% of normal.

Deputy Director Neuwerth reported on basin-wide precipitation conditions, noting that conditions in February and March were above average throughout the Basin. She added that SNOTEL gages above Lake Powell reported 110% of median.

Deputy Director Neuwerth reported on January and March 24-Month projections for Lakes Powell and Mead. She stated that the most probable release tier for Lake Powell for WY-2024 is the Mid-Elevation and in WY-2025 the most probable release tier is the Upper Elevation Balancing Tier.

Deputy Director Neuwerth reported that through the end of March, the Brock and Senator Wash regulating reservoirs captured 19,049 AF and 21,598 AF respectively. She also reported that excess deliveries to Mexico were 13,921 AF, compared to 14,537 AF at this time last year. Deputy Director Neuwerth stated that saline drainage bypass to the Cienga de Santa Clara is currently about 37,720 AF.

MEMBER AGENCY REPORTS

San Diego County Water Authority (SDCWA)

Vice Chairman Madaffer noted that Reclamation released its final Environmental Impact Statement to amend the 2007 Interim Guidelines, that the Lower Basin will be providing 3 million acre-feet (of conservation) through 2026, and that SDCWA has already pledged 50,000 acre-feet from its Quantification Settlement Agreement (QSA) supplies. He further noted that more agreements are needed for 2024 through 2026. Vice Chairman Madaffer expressed hope that Reclamation will continue to find federal money to support this.

He further reported that Senator Eddie Garcia introduced a bill (Senate Bill 2610) that would extend QSA-related environmental protections to a new system conservation agreement for 2024 through 2026. Chairman Hamby noted that a hearing on the bill was held yesterday and that the bill passed out of committee. Vice Chairman Madaffer emphasized the importance of CRB supporting that bill.

Vice Chairman Madaffer then noted the importance of freeing up more Inflation Reduction Act (IRA) funding. He also emphasized the importance of MWD General Manager Adel Hagekhalil and CRB Chairman Hamby visiting legislative leaders last month.

Vice Chairman Madaffer closed by noting that SDCWA wants to do everything they can to continue partnering with others to help achieve the noted goals.

California Department of Water Resources (DWR)

Member Jones began by recognizing that April 1st is the date California uses as the peak of statewide snowpack accumulation and showing and commenting on a historical photo of a snow survey from May 1958.

Member Jones then indicated she wanted to focus on the Sustainable Groundwater Management Act (SGMA), noting that the tenth anniversary of the enactment of SGMA will be later this year. She commented generally on SGMA, noting in particular how development and implementation of Groundwater Sustainability Areas (GSAs) and their required reporting have gone unexpectedly smoothly. She noted that all of the plans for the critically over drafted basins have now been reviewed, and that many of those for the second batch that were due at the end of 2022 have been reviewed. She noted that so far only a handful have been referred to the State Water Resources Control Board (SWRCB) for corrective action. She also noted that the assistance of several hundred million dollars of state funding helped. Member Jones closed by noting that later this month the SWRCB will have its first hearing to potentially place one of the plan areas on probation.

Imperial Irrigation District (IID)

Member Dockstader reported that IID held a New River Wetlands clean-up with the help of the thirty sailors from the Naval Air Station in El Centro, CA.

Chairman Hamby provided background to Member Dockstader's report, adding that approximately twenty years ago Congressman Duncan Hunter worked with some local conservationists for hunting and other purposes as well as other state and local agencies to develop many dozens of acres of wetlands and to run the polluted New and Alamo River water through the wetlands, providing habitat, and improving water quality.

Chairman Hamby reported that the developed wetlands reduced nitrogen by 49%, phosphorus by 42%, fecal coliform from the New River traveling up from Mexico by 98%, and other suspended sediment by 92%. Chairman Hamby added that people do bird watching and hunting and that it has been a community asset as well for school children - they hatch duck eggs and then release the ducklings to the wetlands. Chairman Hamby reported that the wetlands Member Dockstader mentioned that these were the same wetlands developed by Congressman Hunter and his collaborators.

Metropolitan Water District of Southern California (MWD)

Member De Jesus reported that the MWD Board approved its new two-year budget.

Member De Jesus stated that the budget decision followed two months of discussion, including more than twenty workshops and public meetings and countless telephone calls from the general manager and his staff.

Member De Jesus stated that passing the budget was no easy decision and is a transitional budget that required a lot of compromises. Member De Jesus stated that it represents a strong financial commitment to meet the many challenges that MWD faces to ensure safe and reliable water for Southern California.

Member De Jesus stated that the proposed budget is a realistic one that assumes lower water sales, a contentious issue, to ensure that MWD saw it from a more reasonable conservative perspective in order to preserve what little reserves are left. Member De Jesus added that thanks to conservation and storage, that will continue.

Member De Jesus reported that the budget holds the line on expenditures, continues conservation funding, includes an aggressive push on more grants and other outside funding

which the General Manager has been very successful with over the last two to three years, and supports a two-year capital investment plan that protects the reliability of our critical infrastructure.

Member De Jesus reported that the State released its water plan update last week, a planning document which is issued every five years. The plan was released in conjunction with the final snowpack survey event. At the event, the Governor talked about the need for Sites Reservoir, the Delta conveyance, and voluntary agreements on managing flows throughout the Delta. Member De Jesus reported that the Governor made statements about how these projects are needed to address climate change impacts and that the statement received a lot of press coverage.

Member De Jesus report that May is Water Awareness Month and MWD staff are planning a five-week mini-campaign to draw greater public attention to conservation and rebates, tap water safety, progress on important water infrastructure projects, and will host one of the One Water Awards that honor local businesses that have used MWD's innovative conservation program funds for new water saving projects in their own communities.

Member De Jesus reported that MWD released a 2023 year-end review document, the updated version of its annual report that is prepared in a more visual and readable way. The report is posted on MWD's website. Member De Jesus provided copies of the report to Board members.

EXECUTIVE DIRECTOR'S REPORT

2024 and 2025 Annual Operating Plans

Deputy Director Neuwerth reported on the 2024 and 2025 Annual Operating Plans (AOPs), noting that the 2024 AOP had yet to be finalized. Deputy Director Neuwerth reported that there would be a fourth AOP consultation in May to finalize the document, noting that Reclamation is likely waiting to finalize the document until a Record of Decision is issued on the Supplemental Environmental Impact Statement (SEIS) on Interim Period operations. Deputy Director Neuwerth noted that meetings have been scheduled over the summer and fall for preparation of the 2025 AOP.

Glen Canyon Dam Interim Low Elevation Operational Guidance

Deputy Director Neuwerth reported that Reclamation hosted a webinar on Glen Canyon Dam interim low elevation operational guidance. Deputy Director Neuwerth noted that the

guidance was in response to recent information about damage to Glen Canyon Dam's bypass tubes from operation at low elevations. Reclamation shared a memorandum in conjunction with the webinar, which identified two actions: 1.) Exercise the full extent of operational capabilities within the Upper Colorado Basin to maintain Powell elevation of 3,490', and 2.) At certain reservoir elevations, operate bypass tubes at less-than-full capacity to prevent cavitation. Deputy Director Neuwerth reported that the majority of the memo focused on the technical details and risks that led Reclamation to implement these actions. The memo includes a table describing how bypass tube operation capacity would be decreased as reservoir elevations decline.

In response to a question from Board Member Fisher, Deputy Director Neuwerth noted that Reclamation is conducting ongoing studies and is planning to issue a report on options to ensure that Glen Canyon Dam is able to continue releasing water at low elevations, but there isn't currently a clear pathway for resolving the problem. Deputy Director Neuwerth noted that she was encouraged by the first action listed in the memo, which indicated that Reclamation would make releases from upstream reservoirs, and maybe take other upstream actions, to protect Powell's operability.

Chairman Hamby noted that the volume of water in Lake Powell between minimum power pool and deadpool was 4.5 MAF, or the same capacity as Lake Shasta, the largest reservoir in California. Member Fisher suggested that the Lower Basin states submit a letter to Reclamation encouraging their rapid evaluation of structural fixes at Glen Canyon Dam.

Post-2026 Process Update

Deputy Director Neuwerth reported that Lower Basin stakeholders had met several times with the Bureau of Reclamation to provide detailed information on how the Lower Basin proposal should be modeled in the forthcoming Post-2026 Environmental Impact Statement (EIS). Deputy Director Neuwerth also noted that Lower Basin stakeholders continue to refine their proposal, defining how aspects like surplus and storage programs would work.

Deputy Director Neuwerth reported that several additional post-2026 proposals had been submitted to Reclamation in the past month, including an alternative submitted by a group of non-governmental organizations (NGOs) and a proposal from Jack Schmidt, Eric Kuhn, and John Fleck. Deputy Director Neuwerth noted that the Schmidt-Kuhn-Fleck proposal focused on flexible releases from Glen Canyon Dam and didn't include a framework for reductions to water users. The NGO alternative also focused on flexible dam releases, and it specified the volume but not the allocation of shortages.

Washington, D.C. Report

Deputy Director Neuwerth reported that the President's budget for FY-2025 had been released in March. The President also recently signed into law a package of six FY-2024 appropriation bills that will fund Reclamation. Deputy Director Neuwerth reported that the Hoover Dam Act was recently introduced in both the House and Senate. The bill would release some funding tied up in the Lower Basin Development Fund.

CHAIRMAN'S REPORT

Chairman Hamby reported that a briefing was recently held with the California House and Senate staff to walk through the Lower Basin Post-2026 Alternative. Chairman Hamby and Adel Hagekhalil, MWD's General Manager, also recently visited Washington, D.C. to perform outreach to Congressional delegations. He noted that a highlight of the trip was a meeting with the California House Democratic caucus, which included robust discussion and engagement. Chairman Hamby reported that it was also helpful to engage with Northern California representatives, who understood that pressure on the Colorado River would create new challenges on the Delta. Chairman Hamby and Mr. Hagekhalil also met with Senator Padilla, Congressman Calvert, White House staffers, and Reclamation Commissioner Touton. Chairman Hamby reported that California's Congressional delegation is engaged, supportive, and unified on California's current position.

Chairman Hamby also reported that he and others in California have spoken at several recent conferences, including the American West Conference and American Society of Civil Engineers.

Chairman Hamby noted that he and John Entsminger recently had a call with NGO representatives about their post-2026 alternative. Chairman Hamby reported that there were some aspects of the NGO proposal that were complementary to the Lower Basin's proposal, including storage.

Chairman Hamby reported that the seven Basin States had not met since January, although there were some productive discussions occurring between states. Chairman Hamby also noted that there would be a Federal-State-Tribes meeting later in April.

ADJOURNMENT

With no further items to be brought before the Board, Chairman Hamby adjourned the meeting at 2:14 p.m.

Proposed FY 2024-2025 Colorado River Board Budget

The Governor's Proposed Budget for the Colorado River Board of California for Fiscal Year (FY) 2024-2025 is \$2,840,000. Below is the proposed FY 2024-2025 Budget, compared to the budget authorized in FY 2023-2024 and anticipated FY 2023-2024 expenditures.

	Authorized Budget FY 2023-24	Anticipated Expenditures FY 2023-24	Proposed Budget FY 2024-25
<i>Personal Services</i>	\$ 2,248,000		\$ 2,337,000
<i>Operating Expenses and Equipment</i>	\$ 367,000		\$ 503,000
Colorado River Board Total Budget	\$ 2,615,000	\$ 2,250,000	\$ 2,840,000

3460 Colorado River Board of California

The Colorado River Board protects California's rights and interests in the water and power resources of the Colorado River system. The Board works with: other Colorado River Basin states (Arizona, Colorado, Nevada, New Mexico, Utah, and Wyoming), federal agencies, other state agencies, six local agencies (Palo Verde Irrigation District, Imperial Irrigation District, Coachella Valley Water District, Metropolitan Water District of Southern California, San Diego County Water Authority, Los Angeles Department of Water and Power), Congress, the courts, and Mexico. Its activities include analyses of engineering, legal and economic matters concerning the Colorado River resources of the seven basin states and the 1944 United States-Mexico Water Treaty obligation to deliver Colorado River water to Mexico.

3-YEAR EXPENDITURES AND POSITIONS

		Positions			Expenditures		
		2022-23	2023-24	2024-25	2022-23*	2023-24*	2024-25*
2410	Protection of California's Colorado River Rights and Interests	8.9	13.2	13.2	\$2,150	\$2,833	\$2,840
TOTALS, POSITIONS AND EXPENDITURES (All Programs)		8.9	13.2	13.2	\$2,150	\$2,833	\$2,840
FUNDING		2022-23*		2023-24*		2024-25*	
0995	Reimbursements	\$2,150		\$2,833		\$2,840	
TOTALS, EXPENDITURES, ALL FUNDS		\$2,150		\$2,833		\$2,840	

LEGAL CITATIONS AND AUTHORITY

DEPARTMENT AUTHORITY

California Water Code, Division 6, Part 5, Sections 12500-12553.

DETAILED BUDGET ADJUSTMENTS

		2023-24*			2024-25*		
		General Fund	Other Funds	Positions	General Fund	Other Funds	Positions
Workload Budget Adjustments							
Other Workload Budget Adjustments							
• Other Post-Employment Benefit Adjustments		\$-	\$-2	-	\$-	\$-2	-
• Salary Adjustments		-	57	-	-	60	-
• Benefit Adjustments		-	27	-	-	31	-
Totals, Other Workload Budget Adjustments		\$-	\$82	-	\$-	\$89	-
Totals, Workload Budget Adjustments		\$-	\$82	-	\$-	\$89	-
Totals, Budget Adjustments		\$-	\$82	-	\$-	\$89	-

DETAILED EXPENDITURES BY PROGRAM

		2022-23*	2023-24*	2024-25*
PROGRAM REQUIREMENTS				
2410	PROTECTION OF CALIFORNIA'S COLORADO RIVER RIGHTS AND INTERESTS			
State Operations:				
0995	Reimbursements	2,150	2,833	2,840
Totals, State Operations		\$2,150	\$2,833	\$2,840
TOTALS, EXPENDITURES				
State Operations		2,150	2,833	2,840
Totals, Expenditures		\$2,150	\$2,833	\$2,840

EXPENDITURES BY CATEGORY

* Dollars in thousands, except in Salary Range. Numbers may not add or match to other statements due to rounding of budget details.

3460 Colorado River Board of California - Continued

1 State Operations	Positions			Expenditures		
	2022-23	2023-24	2024-25	2022-23*	2023-24*	2024-25*
PERSONAL SERVICES						
Baseline Positions	13.2	13.2	13.2	\$1,537	\$1,538	\$1,538
Other Adjustments	-4.3	-	-	-369	57	60
Net Totals, Salaries and Wages	8.9	13.2	13.2	\$1,168	\$1,595	\$1,598
Staff Benefits	-	-	-	560	735	739
Totals, Personal Services	8.9	13.2	13.2	\$1,728	\$2,330	\$2,337
OPERATING EXPENSES AND EQUIPMENT				\$422	\$503	\$503
TOTALS, POSITIONS AND EXPENDITURES, ALL FUNDS (State Operations)				\$2,150	\$2,833	\$2,840

DETAIL OF APPROPRIATIONS AND ADJUSTMENTS

1 STATE OPERATIONS	2022-23*	2023-24*	2024-25*
0995 Reimbursements			
APPROPRIATIONS			
Reimbursements	\$2,150	\$2,833	\$2,840
TOTALS, EXPENDITURES	\$2,150	\$2,833	\$2,840
Total Expenditures, All Funds, (State Operations)	\$2,150	\$2,833	\$2,840

CHANGES IN AUTHORIZED POSITIONS

	Positions			Expenditures		
	2022-23	2023-24	2024-25	2022-23*	2023-24*	2024-25*
Baseline Positions	13.2	13.2	13.2	\$1,537	\$1,538	\$1,538
Salary and Other Adjustments	-4.3	-	-	-369	57	60
Totals, Adjustments	-4.3	-	-	\$-369	\$57	\$60
TOTALS, SALARIES AND WAGES	8.9	13.2	13.2	\$1,168	\$1,595	\$1,598

* Dollars in thousands, except in Salary Range. Numbers may not add or match to other statements due to rounding of budget details.

Colorado River Board of California 2024 Workplan

1. Establish an interactive annual strategic and budget planning process.
2. Develop a plan, resources, and tools to ensure effective and ongoing communications and outreach.
3. Review options to optimize board meeting frequency and location.
4. Establish a calendar for special presentations and speakers at board meetings.
5. Coordinate to appropriately reestablish agency managers' meetings.
6. Evaluate and optimize the functions of the Six-Agency Committee and the Colorado River Authority.
7. Explore future opportunities for state funding.
8. Ensure regular opportunities for board self-evaluation.



Fiscal Year 2023-2024 Accomplishments Report

Fiscal Year 2024-2025 Planned Activities Report



Fiscal Year 2023-2024 Budget

The budget for the Colorado River Board of California (CRB) for Fiscal Year 2023-2024 (FY 23-24) was \$2,615,000, and was adopted by the Board at its June 15, 2023, regularly scheduled meeting.

Fiscal Year 2023-2024 Accomplishments

Headquarters Office Operations

The CRB has continued to maintain a hybrid work environment with staff regularly working both in the office and remotely in a telework environment. CRB monthly meetings were all conducted in-person and regular in-state and out-of-state travel has resumed. CRB staff continue to comply with all state, county, and local public health agency guidance and public safety guidance and protocols.

Fiscal Year 2023-2024 Accomplishments

In FY 23-24 (July 1, 2023 through June 30, 2024), Colorado River Board of California staff participated in the following major programs and activities:

- Continued to organize and facilitate the California agencies' responses associated with the development and completion of the Draft Supplemental Environmental Impact Statement (SEIS) to modify the 2007 Interim Guidelines for the Operations of Lakes Powell and Mead. These activities included intensive negotiations and discussion among the Lower Basin States to develop the Lower Basin Interim Period Plan in May 2023. This effort resulted in a proposal that was analyzed in a subsequent Draft SEIS for the 2007 Interim Guidelines and adopted as the preferred alternative. A Record of Decision for the Final SEIS was published by the Bureau of Reclamation (Reclamation) on May 6, 2024.
- Collaborated with California agencies and the Lower Basin States in the development of a Lower Basin alternative for post-2026 guidelines for Lower Basin shortages and the coordinated operations for Lakes Powell and Mead and other System reservoirs. This major effort has included holding numerous technical and policy meetings and workshops, development of technical papers on Colorado River operational and management issues, and regular focused meetings with California agency senior staff. On March 6th, 2024, the Lower Basin States submitted their proposal to the Reclamation for analysis in their forthcoming Environmental Impact Statement.

- Participated in numerous technical- and policy-level Basin states meetings addressing activities and measures to protect critical elevations in the reservoir system and development and implementation of additional drought mitigation projects (e.g., the May 2023 Lower Basin Interim Period Plan). Provided technical and policy-level support to California's Colorado River Commissioner.
- Continued to provide California representation and coordination associated with the ongoing binational implementation of Minute No. 323 with Mexico, including participation in the Minute No. 323 Oversight Group, Projects Work Group, Salinity Work Group, Hydrology Work Group, Environmental Work Group, and Desalination Work Group. CRB and Agency staff continued to participate virtually and in-person in binational work group meetings during the year.
- Represented California's interests in the ongoing implementation of the Lower Colorado River Multi-Species Conservation Program (LCR MSCP), including ongoing discussions with Reclamation and the California Department of Fish and Wildlife regarding the implementation of habitat restoration activities pursuant to the terms and conditions of the California Endangered Species Act Section 2081 permit for California LCR MSCP participants. In FY 23-24, Board staff worked closely with Reclamation to implement necessary changes to the federal LCR MSCP permit in order to allow for greater reductions in flow below Hoover Dam as water conservation activities by the Lower Basin States increase. The CRB contributed approximately \$17,000 in FY 23-24 for LCR MSCP implementation. CRB has supported and provided assistance in vetting the potential purchase of new habitat to be incorporated into the LCR MSCP in California.
- Represented California's interests in the ongoing implementation of the Glen Canyon Dam Adaptive Management Program (GCDAMP), including annual decision-making regarding Glen Canyon Dam operational activities pursuant to implementation of the Long-Term Experimental Management Plan (LTEMP). CRB staff regularly attended meetings of the GCDAMP Technical Work Group (TWG) and Adaptive Management Work Group (AMWG). CRB represented California in the ongoing development of a new triennial work plan and budget for the GCDAMP and Grand Canyon Monitoring and Research Center. In 2023, Reclamation initiated development of an SEIS for the LTEMP to enable smallmouth bass flows and modify existing high flow experiments, for which CRB served as a cooperating agency and provided comments in coordination with the other Basin States.
- Represented California's interests in the Colorado River Basin Salinity Control Program through the Colorado River Salinity Control Forum (Forum). California has three appointed Forum members, including Ms. Jessica Neuwerth representing the Colorado River Board of California, Mr. Joaquin Esquivel representing the California State Water Resources Control Board, and Mr. William Hasencamp representing The Metropolitan Water District of Southern California. In 2023, Mr. Aaron Mead, of The Metropolitan Water District of Southern California, was named as the new Forum Work Group Chair. Board staff worked

closely with the Basin states and Reclamation to identify a pathway for continued long-term salinity control in the Paradox Valley. Board staff continued participation in and contributed annual cost-share funding of approximately \$45,000 for the Colorado River Basin Salinity Control Program. CRB staff contributed to the development and acceptance of the “2023 Review: Water Quality Standards for Salinity Colorado River System.” The completion of this review in FY 23-24 met the requirement in the Clean Water Act to review water quality standards every three years. CRB staff also monitor other important water quality programs and initiatives including the Topock Hexavalent Chromium, Las Vegas Wash Perchlorate, and Moab Uranium Mill-Tailings removal and remediation efforts.

- Continued California’s long-standing commitment to basinwide augmentation activities through participation in the planning and implementation of ongoing weather modification activities in Colorado, Utah, and Wyoming during the 2023/2024 winter season under the Basin States programmatic funding agreement. California’s cost share in FY 23-24 was approximately \$385,000, provided through the Six Agency Committee.
- Continued ongoing annual cost-sharing support for maintenance and operation of Lower Colorado River Basin stream gaging station network with the U.S. Geological Survey.
- Provided California representation on the Colorado River Climate and Hydrology Workgroup to identify and consider climate and hydrology research and modeling projects to better inform and support decision making in the basin.
- Provided regular updates, briefings, and presentations to California’s Congressional delegation and staff, as well as the leadership of the California Natural Resources Agency, Department of Water Resources, and Governor’s Office regarding Colorado River Basin issues and activities.
- Continued to review and track activities associated with the Upper Basin development of the 2023 and 2024 drought response operations plan, including the State of Utah’s proposed Lake Powell Pipeline Project, as well as ongoing Native American Indian water rights settlement processes in both the Upper and Lower Basins.
- Reviewed applications for use of Lower Colorado River Supply Project water supplies and provided recommendations to Reclamation as to whether subcontracts should be approved.
- Organized tours for CRB Board members, agency representatives, and the public in conjunction with CRB Board meetings. Tours included agricultural operations in the Palo Verde Irrigation District, LCR MSCP habitat in the Palo Verde Valley, the Lloyd Allen Water Conservation Operational Reservoir Dedication Ceremony in the Imperial Valley, and Metropolitan Water District water storage and conveyance infrastructure at Diamond Valley Lake reservoir.

Fiscal Year 2024-2025 Planned Activities

Headquarters Office Operations

As described above, CRB staff operations have largely moved beyond restrictions associated with the COVID-19 pandemic. Monthly Board meetings have resumed in-person without restrictions, and the Legislature and Executive Branch continue to evaluate the feasibility of conducting hybrid Bagley-Keene compliant meetings. Staff continue to adhere to and implement all applicable public health and safety guidance provided by state, county, and local public health agencies. In conjunction with State policies and guidance, the CRB continues to develop long-term post-pandemic teleworking policies and guidance for agency implementation and will maintain some level of teleworking going forward.

CRB Planned Activities for FY 2024-2025

With the Governor's proposed FY 24-25 budget of \$2,840,000 for the period July 1, 2024 through June 30, 2025, CRB staff anticipates participating in the following major programs and activities:

- With the recent release of the Record of Decision for the Final SEIS modifying the 2007 Interim Guidelines, the CRB will continue implementation of the May 2023 Lower Basin Interim Period Plan and responding to and participating in other drought mitigation and operational activities; as well as monitoring and evaluating annual water use accounting of System and mainstream Colorado River water supplies in both basins and Mexico.
- Continue providing effective direction, participation and technical support related to the development of the post-2026 interim operating guidelines for the Colorado River System, including outreach to California agencies and stakeholders, leading and organizing technical and policy webinars and workshops for the California agencies.
- Continue participation in Basin states principal and technical meetings and continue to provide technical and policy-level support to California's Colorado River Commissioner.
- Continue to participate in ongoing binational U.S./Mexico activities associated the implementation of the U.S./Mexico Water Treaty, Minute No. 323, and the new interim period Minute No. 330.
- Continue participation in the ongoing implementation of the Glen Canyon Dam Adaptive Management Program.

-
- Continue participation in the Lower Colorado River Multi-Species Conservation Program, including a projected annual contribution of approximately \$17,000 for FY 24-25.
 - Continue participation in and cost-share funding of the Colorado River Basin Salinity Control Program. CRB will continue to work with Reclamation and other stakeholders to support continued operations at the Paradox Valley Unit, including the development of a long-term replacement for the existing injection well. Staff will also continue monitoring other ongoing water quality programs and activities.
 - Continue participation in the collective Basin States weather modification efforts in Colorado, Utah, and Wyoming.
 - Continue providing annual financial support to the U.S. Geological Survey to provide effective stream gaging stations in the Lower Colorado Basin.
 - Continue participation in the Colorado River Climate and Hydrology Workgroup, which includes planning of the next Climate and Hydrology Symposium, and ongoing development of proposed climate and hydrology research projects.
 - Continue to develop and provide effective technical support and modeling expertise to the Board member agencies.
 - Continue participation by Board staff in advocating and representation of California's positions at conferences and symposia.
 - Review of applications for use of Lower Colorado River Supply Project water supplies.

6/3/2024

LOWER COLORADO WATER SUPPLY REPORT

River Operations
Bureau of Reclamation

Questions: BCOOWaterops@usbr.gov

(702) 293-8373

<http://www.usbr.gov/lc/region/g4000/weekly.pdf>

	PERCENT	Content 1000 ac-ft (kaf)	Elev. (Feet above mean sea level)	7-Day Release (CFS)
CURRENT STORAGE	FULL			
LAKE POWELL	37%	8,512	3,569.92	9,800
* LAKE MEAD	34%	8,952	1,066.86	16,000
LAKE MOHAVE	93%	1,682	642.41	15,700
LAKE HAVASU	94%	584	448.19	11,500
TOTAL SYSTEM CONTENTS **	42%	24,800		
As of 6/2/2024				
SYSTEM CONTENT LAST YEAR	40%	23,539		
*Percent based on capacity of 26,120 kaf or elevation 1,219.6 feet.				
**Total System Contents includes Upper & Lower Colorado River Reservoirs, less Lake Mead exclusive flood control space.				

Salt/Verde System	91%	2,075		
Painted Rock Dam	0%	0	530.00	0
Alamo Dam	13%	134	1,123.54	21

Forecasted Water Use for Calendar Year 2024 (as of 6/3/2024) (values in kaf)

NEVADA	201	
SOUTHERN NEVADA WATER SYSTEM		191
OTHERS		9
CALIFORNIA	4,161	
METROPOLITAN WATER DISTRICT OF CALIFORNIA		958
IRRIGATION DISTRICTS		3,187
OTHERS		17
ARIZONA	1,968	
CENTRAL ARIZONA PROJECT		891
OTHERS		1,076
TOTAL LOWER BASIN USE		6,329
DELIVERY TO MEXICO - 2024 (Mexico Scheduled Delivery + Preliminary Yearly Excess ¹)		1,468

OTHER SIGNIFICANT INFORMATION

UNREGULATED INFLOW INTO LAKE POWELL - MAY MID-MONTH FORECAST DATED 5/16/2024

	MILLION ACRE-FEET	% of Normal
FORECASTED WATER YEAR 2024	7.792	81%
FORECASTED APRIL-JULY 2024	5.100	80%
APRIL OBSERVED INFLOW	0.733	81%
MAY INFLOW FORECAST	1.500	72%

	Upper Colorado Basin	Salt/Verde Basin
WATER YEAR 2024 PRECIP TO DATE	100% (22.3")	94% (16.9")
CURRENT BASIN SNOWPACK	140% (3.6")	NA% (NA)

¹Delivery to Mexico forecasted yearly excess calculated using year-to-date observed and projected excess.

LOWER COLORADO BASIN REGION
CY 2024

ARIZONA, CALIFORNIA, NEVADA, MEXICO

FORECAST OF END OF YEAR CONSUMPTIVE USE

FORECAST BASED ON USE TO DATE AND ANNUAL WATER ORDERS ¹

(ACRE-FEET)

	Use To Date CY 2024	Forecast Use CY 2024	Approved Use CY 2024	Excess to Approval CY 2024
WATER USE SUMMARY				
Arizona	969,143	1,970,751	1,981,323	(10,572)
California	1,572,217	4,155,857	4,155,857	0
Nevada	66,555	200,903	200,903	0
States Total ³	2,607,915	6,327,511	6,338,083	(10,572)
Total Deliveries to Mexico ⁴	617,757	1,438,490	1,438,490	
Creation of Mexico's Recoverable Water Savings ⁵	0	30,000	30,000	
Creation of Mexico's Water Reserve ⁶	0	0	0	
Delivery of Mexico's Water Reserve ⁷	(6,935)	(18,490)	(18,490)	
Total to Mexico in Satisfaction of Treaty Requirements ⁸	610,822	1,450,000	1,450,000	
To Mexico in Excess of Treaty ⁹	15,929	29,265	27,417	
Water Bypassed Pursuant to IBWC Minute 242 ¹⁰	60,415	126,643	117,909	
Total Lower Basin & Mexico ¹¹	3,302,016	7,921,909	7,921,899	

¹ Incorporates 80 daily reporting stations which may be revised after provisional data reports are distributed by the USGS. Use to date has been updated through April for users reporting monthly and is estimated for users reporting annually.

² These values reflect adjusted apportionments. See Adjusted Apportionment calculation on each state page.

³ Includes unmeasured returns based on estimated consumptive use/diversion ratios by user from studies provided by Arizona Department of Water Resources, Colorado River Board of California, and Reclamation.

⁴ Includes deliveries to Mexico at the Northerly International Boundary, Southerly International Boundary, Limitrophe, and Diversion Channel Discharge; and diversions at Parker Dam for Emergency Delivery to Tijuana to meet Mexico's schedule. Does not include Creation of Mexico's Water Reserve or Creation of Mexico's Recoverable Water Savings.

Water deferred by Mexico pursuant to Section IV of IBWC Minute 323 and the *Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin* dated July 11, 2019. (Mexico's required Binational Water Scarcity Contingency Plan Contribution).

Water deferred by Mexico pursuant to Section V of IBWC Minute 323.

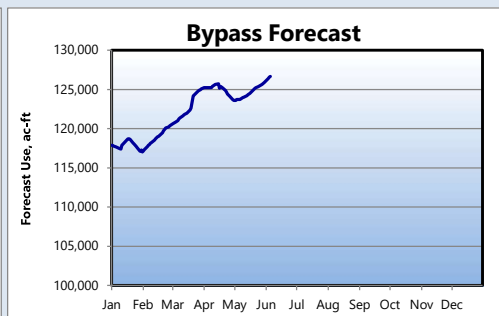
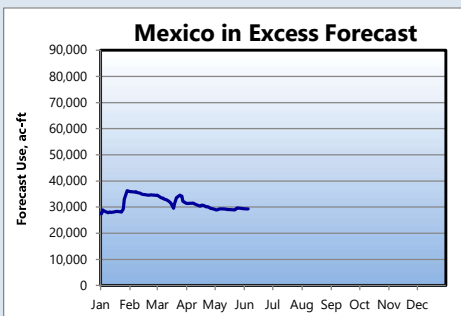
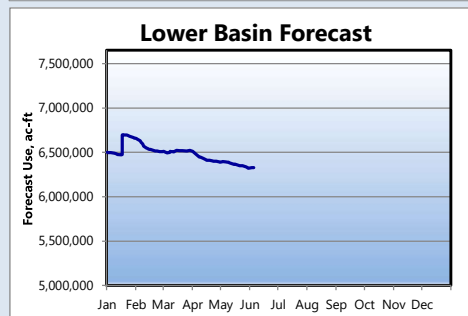
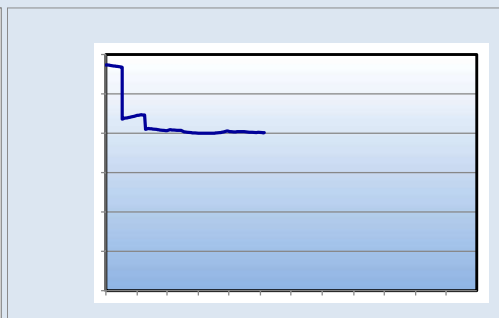
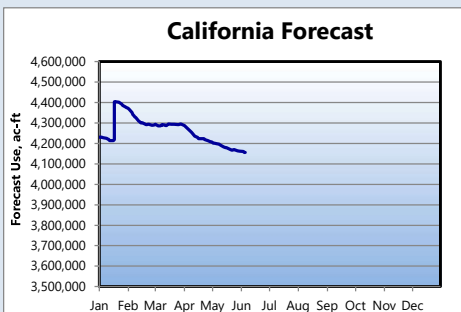
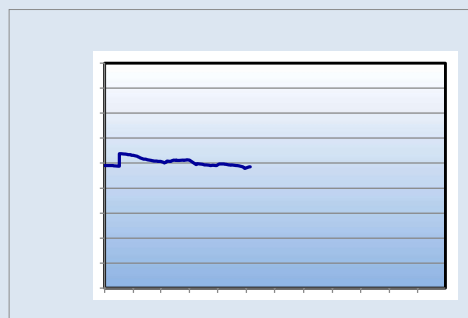
Delivery from Mexico's Water Reserve pursuant to Section V.E.13 of IBWC Minute 323.

⁸ In accordance with Section XI.G.2.D.1.a of the 2007 Interim Guidelines, a Tier 1 Shortage Condition will govern the operation of Lake Mead and the lower Colorado River in 2024. In accordance with Section III.A of Minute 323, Mexico's scheduled deliveries incorporate the required reduction of 50,000 AF from its 1.5 million AF Colorado River water allotment. "Total to Mexico in Satisfaction of Treaty Requirements" adds in creation of Mexico's Recoverable Water Savings and Mexico's Water Reserve and subtracts out Delivery of Mexico's Water Reserve.

"To Mexico in Excess of Treaty" forecast is based on the 5-year average for the period 2018-2022.

"Water Bypassed Pursuant to IBWC Minute 242" forecast is based on the average for the period 1990-2022.

Includes States Total, Total Deliveries to Mexico, To Mexico in Excess of Treaty, and Water Bypassed Pursuant IBWC Minute 242.





**LOWER COLORADO BASIN REGION
CY 2024**

ARIZONA WATER USERS

Forecast end of year diversion/consumptive use

Forecast based on use to date and approved annual water orders

[Arizona Schedules and Approvals](#)[Historical Use Records \(Water Accounting Reports\)](#)**NOTE:**

• Diversions and uses that are pending approval are noted in *red italics*.

• Water users with a consumptive use entitlement - **Excess to Estimated Use** column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a diversion entitlement.

• Water user with a diversion entitlement - **Excess to Approved Diversion** column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a consumptive use

	Use	Forecast	Estimated	Excess to	Diversion	Forecast	Approved	Excess to
	To Date	Use	Use	Use	To Date	Diversion	Diversion	Approved
WATER USER	CY 2024	CY 2024	CY 2024	CY 2024	CY 2024	CY 2024	CY 2024	CY 2024
TV Marble Canyon, AZ LLC	5	10	10	---	7	15	15	0
Lake Mead NRA, AZ - Diversions from Lake Mead	19	64	65	---	19	64	65	-1
Lake Mead NRA, AZ - Diversions from Lake Mohave	104	240	224	---	104	240	224	16
McAlister Family Trust	3	7	7	---	5	10	10	0
Bureau of Reclamation - Davis Dam Project	1	2	2	---	4	9	9	0
Bullhead City	2,843	8,495	8,799	---	4,299	13,077	13,730	-653
Mohave Water Conservation District	392	854	854	---	586	1,275	1,275	0
Mohave Valley I.D.D. ¹	2,943	10,139	12,267	---	5,448	18,772	22,716	-3,944
Fort Mojave Indian Reservation, AZ	12,132	37,880	46,167	---	22,350	70,035	85,500	-15,465
Golden Shores Water Conservation District	133	289	289	---	199	433	433	0
Havasas National Wildlife Refuge	1,313	3,195	3,564	---	11,249	33,336	41,835	-8,499
EPCOR Water Arizona, Inc. - CSA No. 1	224	584	595	---	343	898	916	-18
Crystal Beach Water Conservation District	34	73	73	---	51	112	112	0
Lake Havasu City	3,528	9,151	9,052	---	5,690	14,760	14,600	160
Arizona State Parks (Windsor Beach)	4	9	9	---	6	14	14	0
Central Arizona Water Conservation District ²	571,721	894,362	---	---	571,721	894,362	---	--
Springs Del Sol Domestic Water Improvement District	1	2	2	---	1	3	3	0
Hillcrest Water Company	8	18	18	---	12	27	27	0
Frontier Communications West Coast	0	1	1	---	0	1	1	0
Town of Parker	110	360	388	---	292	848	897	-49
EPCOR Water Arizona, Inc. - CSA No. 2 (formerly Brooke Water, LLC)	115	309	318	---	172	461	474	-13
Colorado River Indian Reservation, AZ	118,523	333,167	360,641	---	204,418	593,062	662,402	-69,340
GM Gabrych Family	0	0	0	---	0	0	0	0
Ehrenberg Improvement District	118	257	257	---	180	391	391	0
B&F Investment	3	7	7	---	5	10	10	0
North Baja Pipeline	96	208	208	---	147	320	320	0
Arizona State Land Department - Domestic	17	49	57	---	24	76	87	-11
Cibola Island	335	728	728	---	468	1,018	1,018	0
Cibola Valley I.D.D.	866	2,810	2,958	---	1,211	3,929	4,137	-208
Red River Land Co.	63	218	214	---	88	305	300	5
Hopi Tribe	0	0	0	---	0	0	0	0
GSC Farms, LLC	0	0	0	---	0	0	0	0
Arizona Game & Fish	548	2,012	2,032	---	766	2,812	2,838	-26
Western Water, LLC	48	314	379	---	68	440	530	-90
Bishop Family Trust	138	300	300	---	193	420	420	0
Cathcart	3	6	6	---	4	8	8	0
Cibola Sportsman's Club	71	154	154	---	99	216	216	0
Cibola National Wildlife Refuge	4,089	15,498	15,575	-77	6,595	24,998	25,122	-124
Imperial National Wildlife Refuge	1,934	4,717	4,717	0	3,120	7,610	7,610	0
BLM - Leased by L. Pratt	11	25	25	---	18	39	39	0
BLM Permittees (Parker Dam to Imperial Dam)	598	1,302	1,302	0	920	2,003	2,003	--
Martinez Lake Cabin Sites	3	7	7	---	5	11	11	---
Fisher's Landing Water and Sewer, LLC	4	8	8	---	6	12	12	0
Shepard Water Company	7	16	16	---	11	25	25	0
U.S. Army Yuma Proving Grounds	159	433	421	---	159	433	421	12
JRJ Partners, LLC	284	618	618	---	437	950	950	0
Cha Cha, LLC	342	1,217	1,365	---	527	1,872	2,100	-228
Beattie Farms Southwest	302	647	722	---	465	994	1,110	-116
Gila Monster Farm	1,765	4,101	4,812	---	3,055	7,225	8,500	-1,275
Wellton-Mohawk I.D.D.	104,263	253,971	278,000	-24,029	152,006	383,846	424,350	-40,504
BLM Permittees (Below Imperial Dam)	52	114	114	0	80	175	175	--
City of Yuma	4,963	13,555	15,548	-1,993	9,517	24,999	27,500	-2,501
U.S. Marine Corps Air Station Yuma	441	1,176	1,219	---	441	1,176	1,219	-43
Union Pacific Railroad	11	29	29	---	21	48	48	0
University of Arizona	191	704	839	---	191	704	839	-135
Yuma Union High School District	39	131	150	---	52	175	200	-25

	Use To Date CY 2024	Forecast Use CY 2024	Estimated Use CY 2024	Excess to Estimated Use CY 2024	Diversion To Date CY 2024	Forecast Diversion CY 2024	Approved Diversion CY 2024	Excess to Approved Diversion CY 2024
WATER USER								
Arizona State Land Department - Agriculture	1,689	4,191	4,295		2,630	6,481	6,607	-126
Ott Family	114	248	248		176	382	382	0
Ogram Boys' Enterprises	264	574	574		406	883	883	0
Fort Yuma Indian Reservation	1,434	3,121	3,121	---	2,206	4,801	4,801	0
BLM - Leased by M. Lee	68	148	148		104	227	227	0
Armon Curtis	59	129	129		91	198	198	0
Yuma County Water Users' Association	100,129	246,008	279,319	---	142,760	336,960	367,300	-30,340
R. Griffin	15	32	32		23	49	49	0
Power	47	103	103		73	158	158	0
Cocopah Indian Tribe (PPR No. 7)	118	256	256		181	394	394	0
Griffin Ranches (PPR No. 7)	45	98	98		69	150	150	0
Milton Phillips (PPR No. 7)	25	55	55		39	85	85	0
Griffin Family Ltd. Partnership (PPR No. 7)	11	23	23		16	35	35	0
Cocopah Indian Reservation	279	1,675	1,821	---	345	2,502	2,812	-310
Reclamation - Yuma Area Office	46	100	100	---	46	100	100	0
Arizona Public Service Company	0	0	0		0	0	0	0
Gary Pasquinelli	91	198	198		140	305	305	0
Total Arizona	969,143	1,970,751	2,086,037		1,260,555	2,777,213	2,974,844	
Central Arizona Project (CAP) ²	571,721	894,362				894,362		
All Others	397,422	1,076,389	1,188,109			1,882,851	2,076,916	
Yuma Mesa Division, Gila Project	26,069	99,346	110,618	-11,272		286,884		
Total 242 Well Field Pumping ³	29,938	58,646	56,130					

ARIZONA ADJUSTED APPORTIONMENT CALCULATION

Arizona Basic Apportionment	2,800,000
Reduction for Tier 1 Shortage ⁴	(320,000)
Reduction for Arizona DCP Contributions ⁵	(192,000)
System Conservation Water - Pilot System Conservation Program ⁶	(400)
System Conservation Water - CAP Subcontractors ^{7,8}	(129,400)
System Conservation Water - Cathcarts ^{7,9}	(61)
System Conservation Water - CVIDD ^{7,10}	(2,328)
System Conservation Water - FMYN ^{7,11}	(13,933)
System Conservation Water - GM Gabrych ^{7,12}	(3,240)
System Conservation Water - GRIC ^{7,13}	(125,000)
System Conservation Water - Hopi ^{7,14}	(3,059)
System Conservation Water - MVIDD ^{7,15}	(13,441)
System Conservation Water - YMIDD ^{7,16}	(21,795)
System Conservation Water - Reclamation (Estimated) ^{7,17}	(25,000)
Delivery of ICS (CAWCD)	up to 30,980
Total State Adjusted Apportionment	1,981,323
Excess to Total State Adjusted Apportionment	(10,572)

Estimated Allowable Use for CAP

905,072

¹ Approved/forecasted values include up to 1,250 AF of diversion for domestic use pursuant to MVIDD's Subcontract No. 09-101 with the Mohave County Water Authority.

Forecast Use incorporates CAWCD's operational schedule. Amount shown includes the diversion of up to 2,033 AF to be delivered via the CAP to the Town of Queen Creek pursuant to Reclamation Wheeling Contract No. 20-XX-30-W0691 and the diversion of 72,000 AF of Arizona third priority Colorado River water to be delivered via the CAP to fulfill water rights settlements pursuant to the Stipulated Judgment and the Stipulation for Judgment entered on November 21, 2007.

³ In accordance with the Colorado River Water Conservation Letter Agreement 16-XX-30-W0603, Revision No. 1 (Revised Letter Agreement) between Reclamation and the Central Arizona Water Conservation District (CAWCD), pumping above the Historical Average Baseline (31,129 AF), up to 32,000 AF per year, will remain in Lake Mead as Colorado River System water.

⁴ In accordance with Section XI.G.2.D.1.a of the 2007 Interim Guidelines, a Tier 1 Shortage Condition will govern the operation of Lake Mead and the lower Colorado River in 2024, resulting in a 320,000 AF reduction to the state of Arizona's Colorado River basic apportionment.

⁵ In accordance with Section III.B.1.a of *Lower Basin Drought Contingency Operations* (LBOps), the state of Arizona is required to make DCP Contributions of 192,000 AF in 2024.

⁶ The estimated amount of System Conservation Water that will be created by the City of Bullhead City pursuant to System Conservation Implementation Agreement (SCIA) No. 15-XX-30-W0587, as amended. This System Conservation Water will remain in Lake Mead to benefit system storage.

⁷ In accordance with the applicable conservation agreements, Section 3.b of the *Lower Basin Drought Contingency Plan Agreement* dated May 20, 2019 (LB DCP Agreement), and Section II.3.e of the *Agreement Regarding Lower Basin Drought Contingency Plan Obligations*, this System Conservation Water will remain in Colorado River reservoirs in the Lower Basin to benefit system storage. The Bureau of Reclamation intends to apply this water towards the Secretary of the Interior's commitment to create or conserve 100,000 AF per annum or more of Colorado River System water to contribute to

⁸ The estimated amount of System Conservation Water that will be created by certain CAP Subcontractors pursuant to executed SCIA's.

⁹ The estimated amount of System Conservation Water that will be created pursuant to SCIA No. 23-XX-30-W0776.

¹⁰ The estimated amount of System Conservation Water that will be created pursuant to SCIA No. 23-XX-30-W0771.

¹¹ The estimated amount of System Conservation Water that will be created pursuant to SCIA No. 23-XX-30-W0750.

¹² The estimated amount of System Conservation Water that will be created pursuant to SCIA No. 23-XX-30-W0774.

¹³ The estimated amount of System Conservation Water that will be created pursuant to SCIA No. 23-XX-30-W0760.

¹⁴ The estimated amount of System Conservation Water that will be created pursuant to SCIA No. 23-XX-30-W0779.

¹⁵ The estimated amount of System Conservation Water that will be created pursuant to SCIA No. 23-XX-30-W0770.

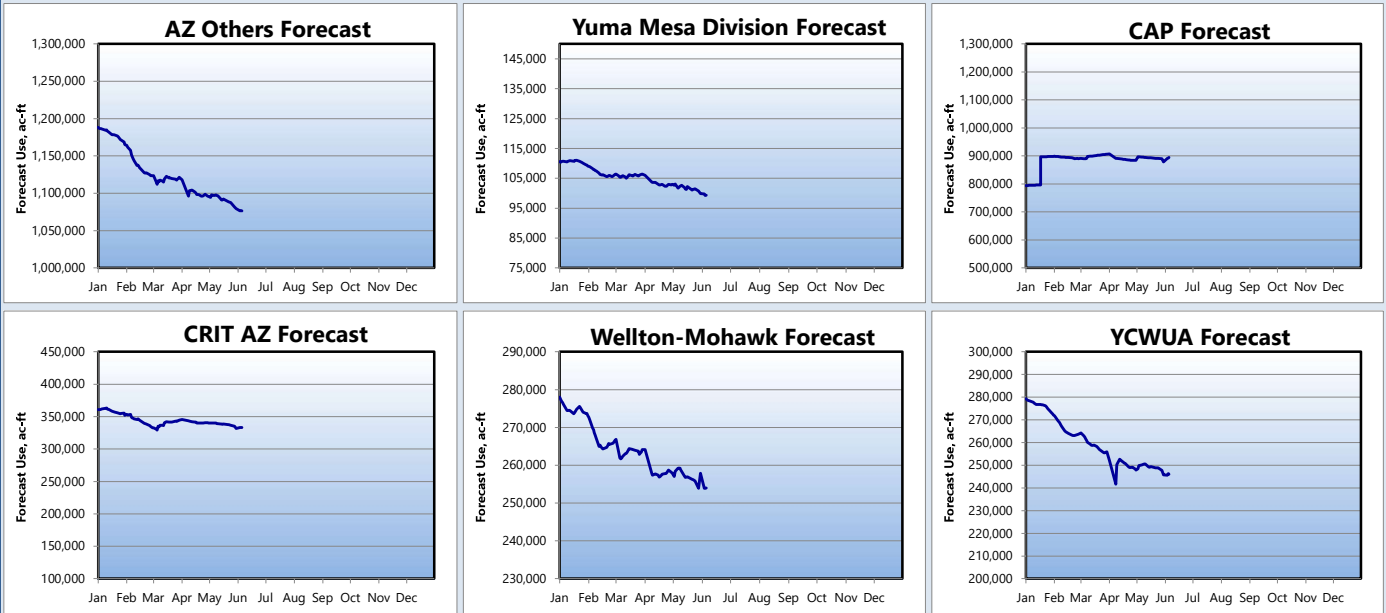
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¹⁶ The estimated amount of System Conservation Water that will be created pursuant to SCIA No.23-XX-30-W0769.

¹⁷ The estimated amount of System Conservation Water that will be created by additional pumping from the 242 Well Field Expansion pursuant to Letter Agreement No. 16-XX-30-W0603, Revision No. 1, which will remain in Lake Mead to benefit system storage

¹⁸ The maximum amount of EC ICS delivery per CAWCD's approved water order. Actual amount of EC ICS delivered will be based on final accounting records.



NOTES: Click on Arizona Schedules and Approvals above for incoming diversion schedules and approvals.

LOWER COLORADO BASIN REGION
CY 2024

CALIFORNIA WATER USERS

Forecast end of year diversion/consumptive use

Forecast based on use to date and approved annual water orders

[California Schedules and Approvals](#)[Historical Use Records \(Water Accounting Reports\)](#)

NOTE:

- Diversions and uses that are pending approval are noted in *red italics*.
- Water users with a consumptive use entitlement - **Excess to Estimated Use** column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a diversion entitlement.
- Water user with a diversion entitlement - **Excess to Approved Diversion** column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a consumptive use entitlement.

	Use To Date CY 2024	Forecast Use CY 2024	Estimated Use CY 2024	Excess to Estimated Use CY 2024	Diversion To Date CY 2024	Forecast Diversion CY 2024	Approved Diversion CY 2024	Excess to Approved Diversion CY 2024
WATER USER								
Fort Mojave Indian Reservation, CA	1,805	7,051	8,994	---	3,355	13,108	16,720	-3,612
City of Needles (includes LCWSP use)	405	1,392	1,605	-213	696	2,086	2,261	-175
PPR No. 30 (Stephenson)	7	16	16	---	13	29	29	0
PPR No. 38 (Andrade)	11	23	23	---	19	41	41	---
PPR No. 40 (Cooper)	3	6	6	---	5	10	10	---
Chemehuevi Indian Reservation	85	184	184	---	5,211	11,340	11,340	0
The Metropolitan Water District of Southern California ¹	287,919	958,255	---	---	289,173	960,906	---	---
Colorado River Indian Reservation, CA	2013	4,380	4,380	---	3,335	7,258	7,258	0
Palo Verde Irrigation District	101,894	333,586	400,228	---	254,333	744,533	826,000	-81,467
PPR No. 31 (Mendivil)	1	3	3	---	2	5	5	0
Yuma Project Reservation Division	11,733	34,497	46,515	---	29,730	79,940	95,734	-15,794
Yuma Project Reservation Division - Bard Unit	---	---	---	---	11,620	39,053	49,800	-10,747
Yuma Project Reservation Division - Indian Unit	---	---	---	---	18,110	40,887	45,934	-5,047
Fort Yuma Indian Reservation - Ranch 5 (Surface Delivery)	477	1,155	1,194	---	862	2,087	2,160	-73
Fort Yuma Indian Reservation - Other Ranches (Pumpers)	895	1,948	1,948	---	1,619	3,522	3,522	0
Yuma Island Pumpers	918	1,997	1,997	---	1,660	3,613	3,613	0
Imperial Irrigation District ²	1,052,605	2,465,554	2,612,800	-147,246	1,057,505	2,575,413	2,782,987	---
Coachella Valley Water District	111,194	345,261	359,000	-13,739	116,798	368,546	383,674	---
Other LCWSP Contractors	228	497	497	---	350	761	761	0
City of Winterhaven	24	52	52	---	34	75	75	0
Total California	1,572,217	4,155,857	4,413,737		1,764,700	4,773,273	5,112,976	

CALIFORNIA ADJUSTED APPORTIONMENT CALCULATION

California Basic Apportionment	4,400,000
System Conservation Water - Pilot System Conservation Program ³	(145)
System Conservation Water - CVWD ^{4,5}	(35,000)
System Conservation Water - MWD/PVID Following Program ^{4,6}	(117,021)
System Conservation Water - Quechan Indian Tribe ^{4,7}	(13,000)
Creation of Extraordinary Conservation ICS ⁸	(78,977)
Total State Adjusted Apportionment	4,155,857
Excess to Total State Adjusted Apportionment	0

Estimated Allowable Use for MWD

1,037,232

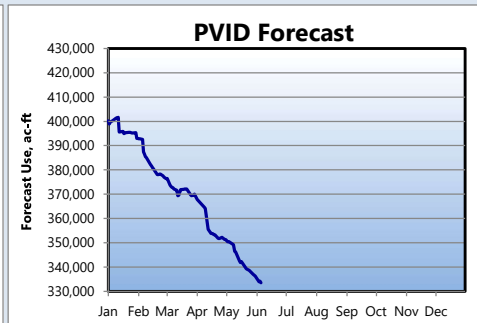
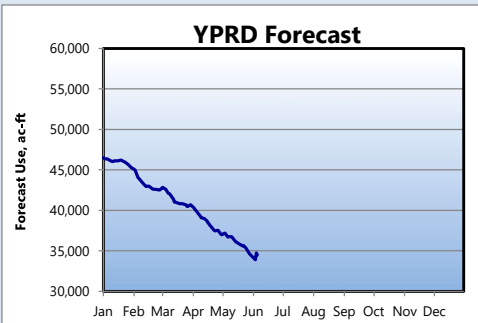
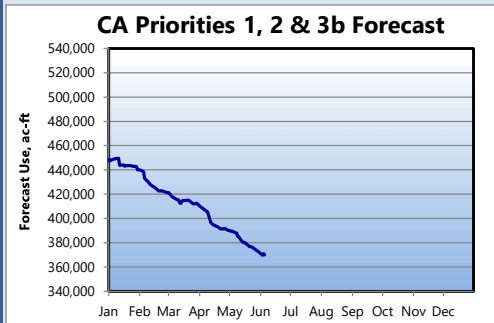
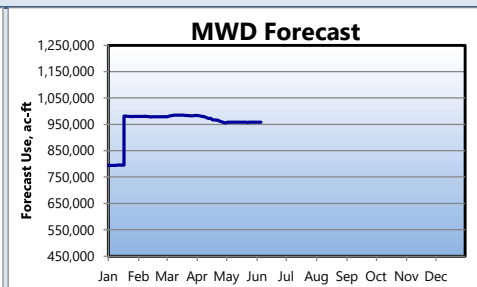
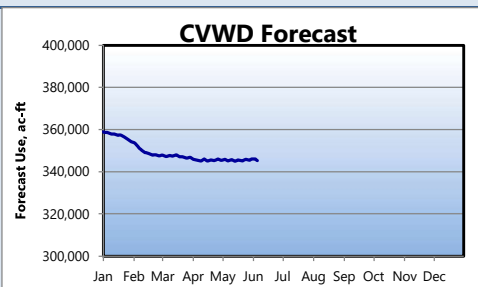
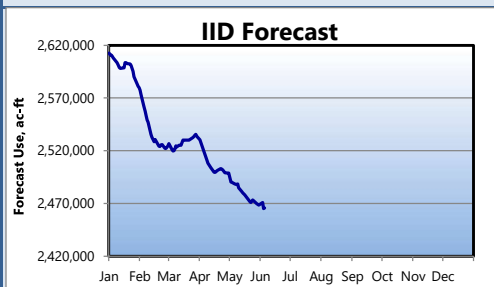
¹ Forecast Use is based on an MWD operational projected diversion of 0.977 MAF.

IID's total approved consumptive use is 2,622,800 AF, of which up to 10,000 AF is anticipated to be supplied from the LCWSP.

The estimated amount of System Conservation Water that will be created by the City of Needles pursuant to System Conservation Implementation Agreement (SCIA) No. 15-XX-30-W0596, which will remain in Lake Mead to benefit system storage.

⁴ In accordance with the applicable system conservation agreements and Section 3.b of the *Lower Basin Drought Contingency Plan Agreement* dated May 20, 2019, the Bureau of Reclamation intends to apply all or a portion of this water towards the Secretary of the Interior's commitment to create or conserve 100,000 AF per annum or more of Colorado River System water to contribute to conservation of water supplies in Lake Mead and other Colorado River reservoirs in the Lower Basin. This System Conservation Water will remain in Lake Mead to benefit system storage.⁵ The estimated amount of System Conservation Water that will be created pursuant to SCIA No. 23-XX-30-W0764.⁶ The estimated amount of System Conservation Water that will be created pursuant to SCIA No. 23-XX-30-W0772.⁷ The estimated amount of System Conservation Water that will be created pursuant to SCIA No. 23-XX-30-W0783.accounting and verification. In accordance with Section XI.G.3.B.4 of the 2007 Interim Guidelines and Section IV.B of *Lower Basin Drought Contingency Operations* (LBOs), the total amount of EC ICS that may be created by the states of Arizona, California, and Nevada in 2024 will be limited to 625,000 AF. Additionally, the total amount of EC ICS, Binational ICS and DCP ICS accumulated in Arizona, California and Nevada's ICS Accounts will be limited in accordance with Section IV.C. of LBOs.

Continued on next page.



NOTES: Click on California Schedules and Approvals above for incoming diversion schedules and approvals.

LOWER COLORADO BASIN REGION
CY 2024

NOTE:

- Diversions and uses that are pending approval are noted in *red italics*.
- Water users with a consumptive use entitlement - **Excess to Estimated Use** column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a diversion entitlement.
- Water user with a diversion entitlement - **Excess to Approved Diversion** column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a consumptive use entitlement.

NEVADA WATER USERS

Forecast end of year diversion/consumptive use

Forecast based on use to date and approved annual water orders

[Nevada Schedules and Approvals](#)[Historical Use Records \(Water Accounting Reports\)](#)

	Use To Date CY 2024	Forecast Use CY 2024	Estimated Use CY 2024	Excess to Estimated Use CY 2024	Diversion To Date CY 2024	Forecast Diversion CY 2024	Approved Diversion CY 2024	Excess to Approved Diversion CY 2024
WATER USER								
Robert B. Griffith Water Project (SNWS)	170,485	433,100		---	170,485	433,100		---
Lake Mead NRA, NV - Diversions from Lake Mead	252	1,119	1,500	---	252	1,119	1,500	-381
Lake Mead NRA, NV - Diversions from Lake Mohave	93	364	500	---	93	364	500	-136
Basic Management, Inc.	0	0	0	---	0	0	0	0
City of Henderson (BMI Delivery)	0	0	0	---	0	0	0	0
Nevada Department of Wildlife	0	0	0	0	0	0	0	---
Pacific Coast Building Products, Inc.	321	882	928	---	321	882	928	-46
Boulder Canyon Project	83	180	180	---	138	300	300	0
Big Bend Water District	906	3,966	4,823	---	1,919	7,999	10,000	-2,001
Fort Mojave Indian Tribe	766	2,922	3,683	---	1,142	4,362	5,500	-1,138
Las Vegas Wash Return Flows	-106,351	-241,630	-232,886	---				
Total Nevada ¹	66,555	200,903	212,000	0	174,350	448,126	452,000	-3,702
Southern Nevada Water System (SNWS)	64,134	191,470				433,100		
All Others	2,421	9,433				15,026		
Nevada Uses Above Hoover	64,790	193,651				435,401		
Nevada Uses Below Hoover	1,765	7,252				12,725		

Tributary Conservation (TC) Intentionally Created Surplus (ICS)

Southern Nevada Water Authority (SNWA) Creation of TC ICS (Approved) ² 44,000

NEVADA ADJUSTED APPORTIONMENT CALCULATION

Nevada Basic Apportionment	300,000
Reduction for Tier 1 Shortage ³	(13,000)
Creation of Extraordinary Conservation ICS - SNWA (Estimated) ⁴	(86,097)
Total State Adjusted Apportionment	200,903
Excess to Total State Adjusted Apportionment	0

The State of Nevada has been approved to consumptively use up to 287,000 AF in CY 2024. Forecast Use shown here is based on Nevada's operational projected consumptive use of 212,000 AF.

SNWA has an approved ICS Plan for the creation of up to 44,000 AF of TC ICS in 2024. The actual amount of TC ICS created by SNWA in 2024 will be based on final accounting and verification.

In accordance with Section XI.G.2.D.1.a of the 2007 Interim Guidelines, a Tier 1 Shortage Condition will govern the operation of Lake Mead and the lower Colorado River in 2024, resulting in a 13,000 AF reduction to the state of Nevada's Colorado River basic apportionment.

SNWA has an approved ICS Plan for the creation of up to 100,000 AF of Extraordinary Conservation (EC) ICS in 2024. The actual amount of EC ICS created by SNWA in 2024 will be based on final accounting and verification. In accordance with Section XI.G.3.B.4 of the 2007 Interim Guidelines and Section IV.B of *Lower Basin Drought Contingency Operations* (LBOps), the total amount of EC ICS that may be created by the states of Arizona, California, and Nevada in 2024 will be limited to 625,000 AF. Additionally, the total amount of EC ICS, Binational ICS, and DCP ICS accumulated in Arizona, California, and Nevada's ICS Accounts will be limited in accordance with Section IV.C of LBOps.

Robert B. Griffith Forecast



LV Wash Return Forecast

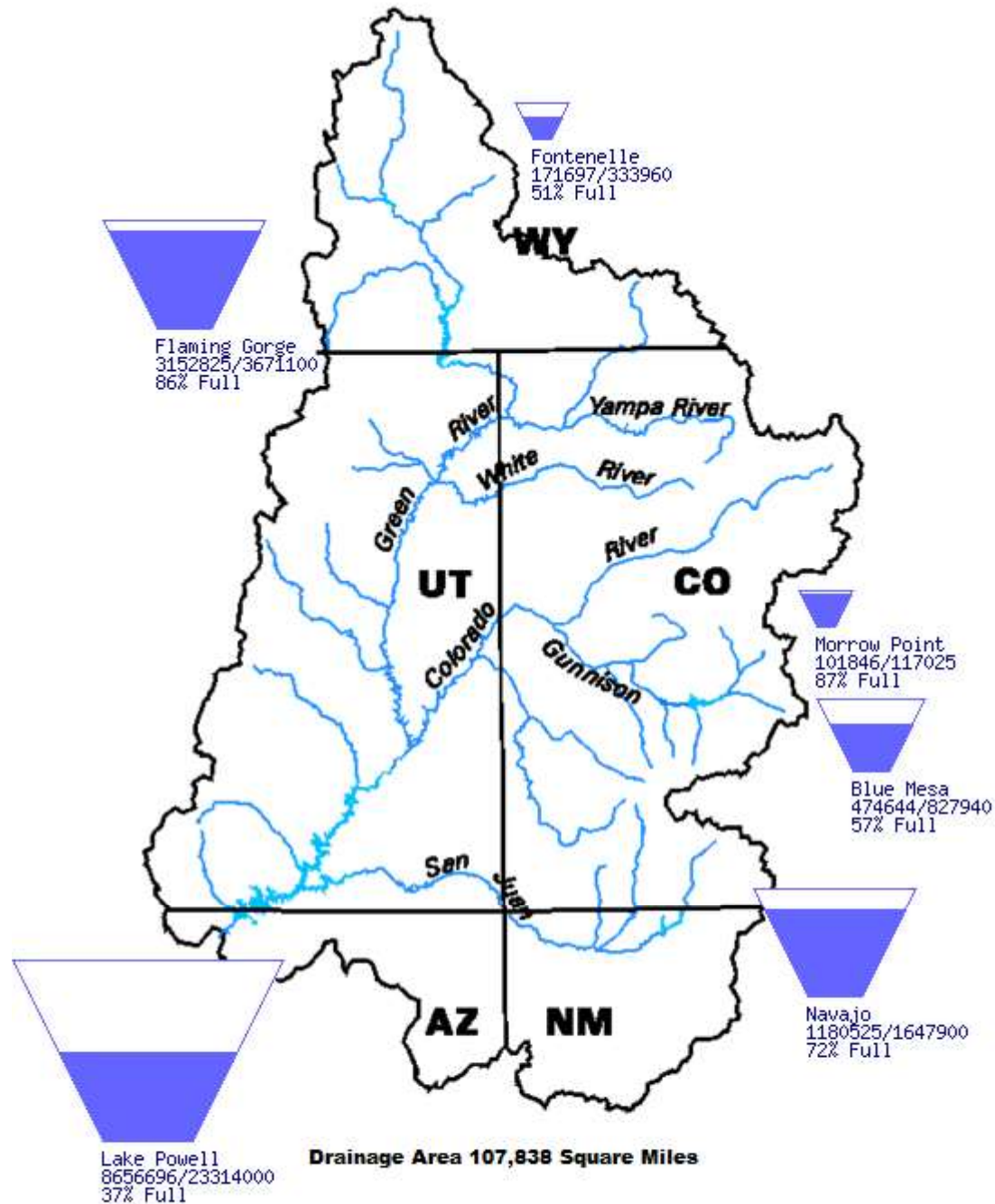


Upper Colorado Region Water Resources Group

River Basin Tea-Cup Diagrams

Data Current as of:
06/05/2024

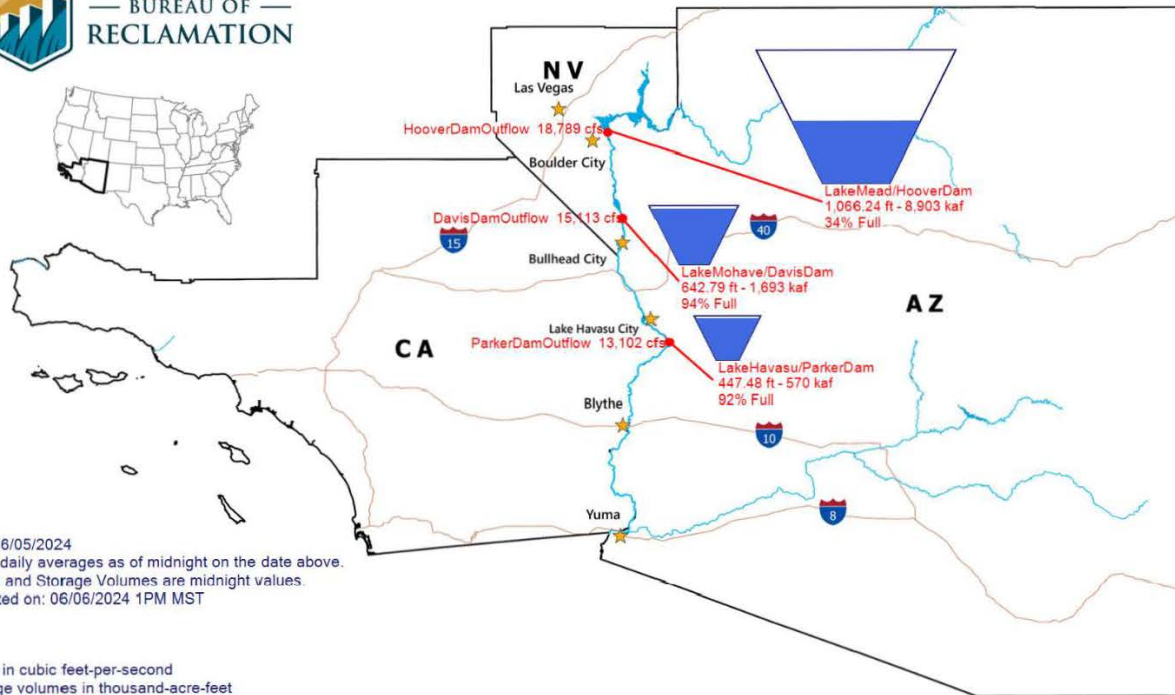
Upper Colorado River Drainage Basin



Lower Colorado River Teacup Diagram



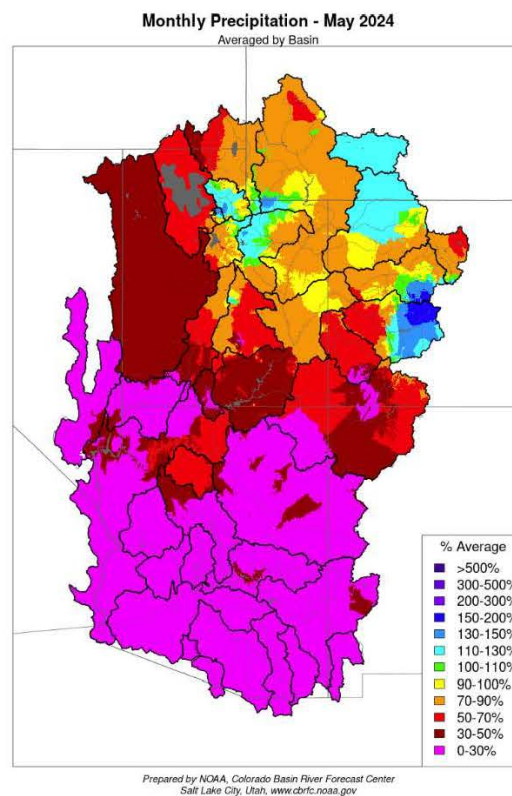
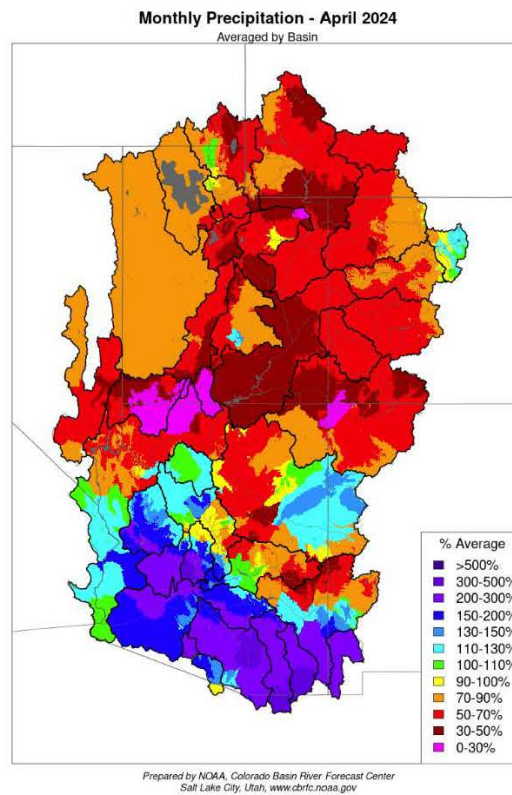
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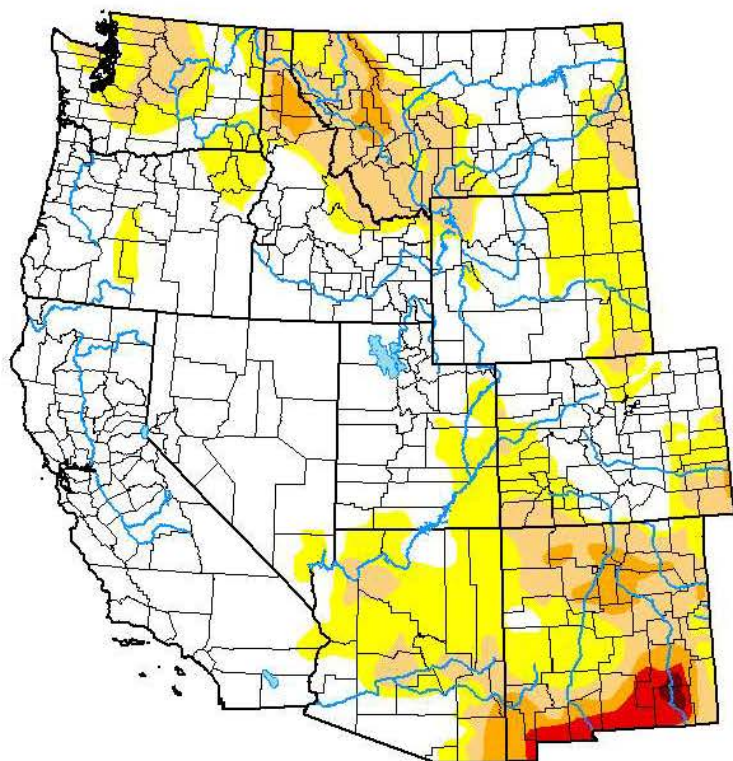
Data for: 06/05/2024
Flows are daily averages as of midnight on the date above.
Elevations and Storage Volumes are midnight values.
Last updated on: 06/06/2024 1PM MST

LEGEND:
cfs: Flows in cubic feet-per-second
kaf: Storage volumes in thousand-acre-feet
ft: Elevations in feet above mean-sea-level

NOAA National Weather Service Monthly Precipitation Map April and May 2024



U.S. Drought Monitor West



June 4, 2024

(Released Thursday, Jun. 6, 2024)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	60.62	39.38	18.43	4.72	1.28	0.16
Last Week 05-28-2024	60.29	39.71	18.88	5.33	1.30	0.16
3 Months Ago 03-05-2024	49.36	50.64	25.82	10.88	2.45	0.36
Start of Calendar Year 01-02-2024	51.19	48.81	25.08	13.17	4.67	0.66
Start of Water Year 09-26-2023	55.99	44.01	31.24	17.70	6.09	0.70
One Year Ago 06-06-2023	54.88	45.12	15.92	2.72	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

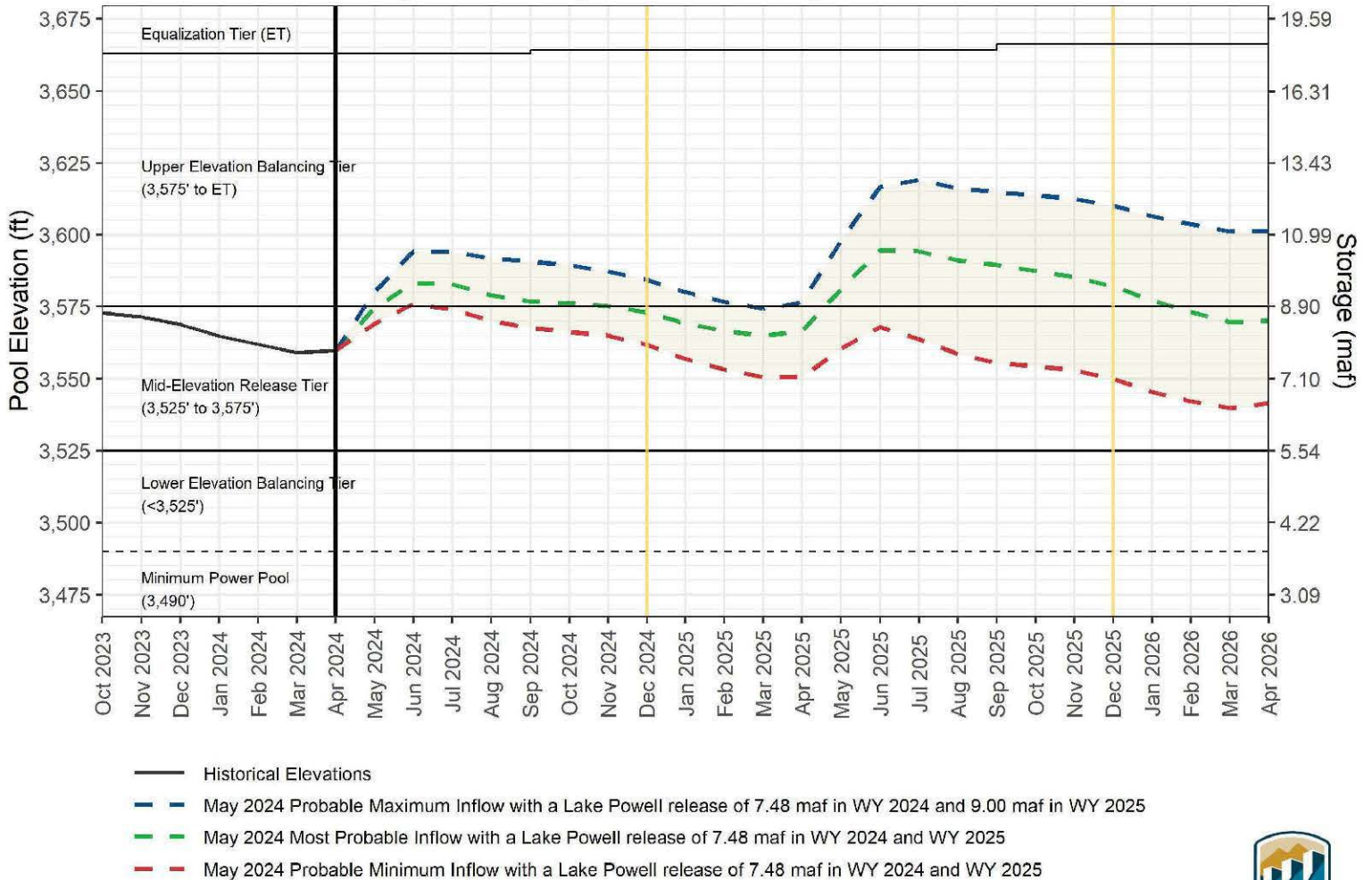
Author:

Brad Pugh
CPC/NOAA

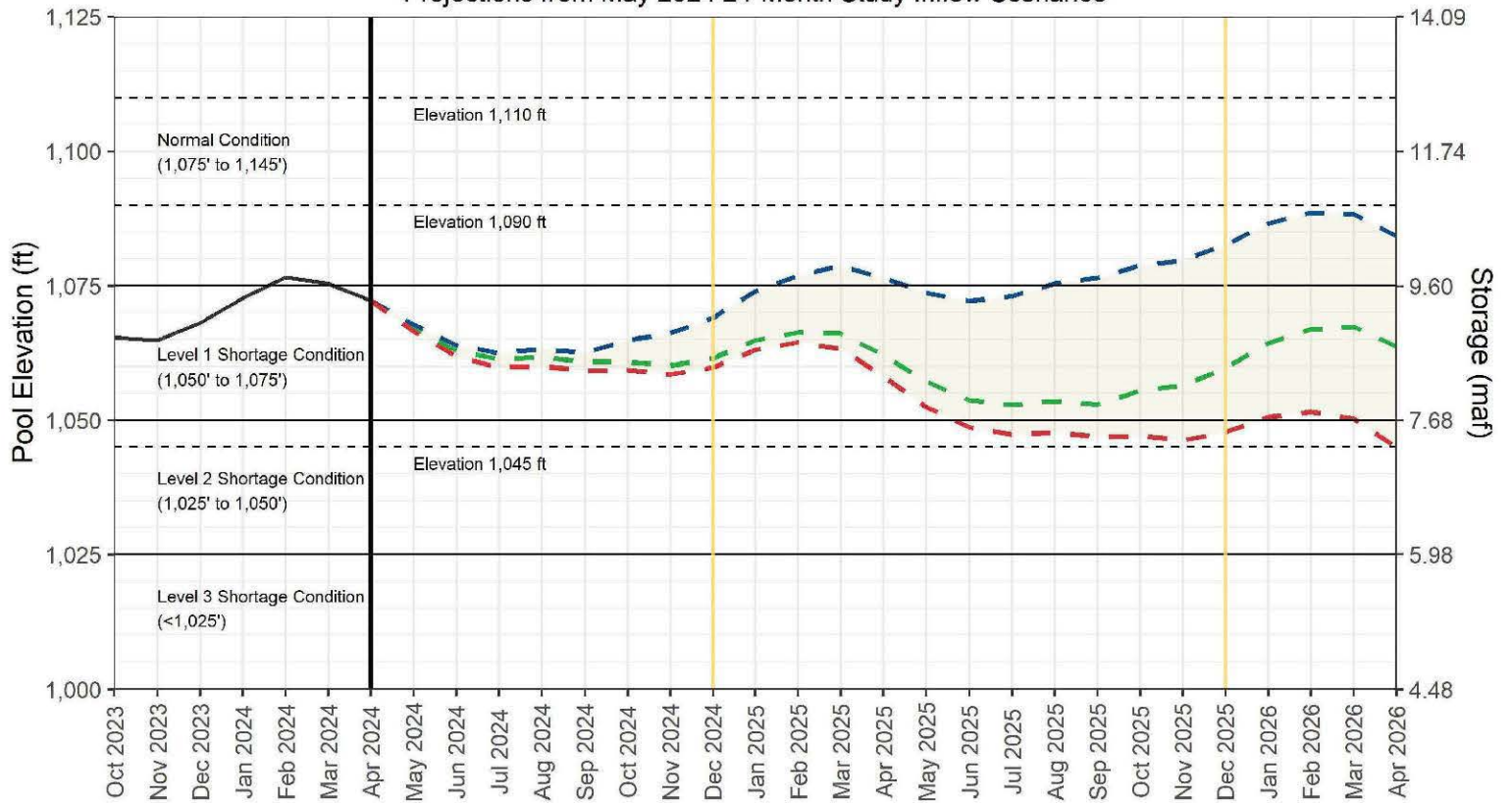


droughtmonitor.unl.edu

Lake Powell End-of-Month Elevations Projections from May 2024 24-Month Study Inflow Scenarios



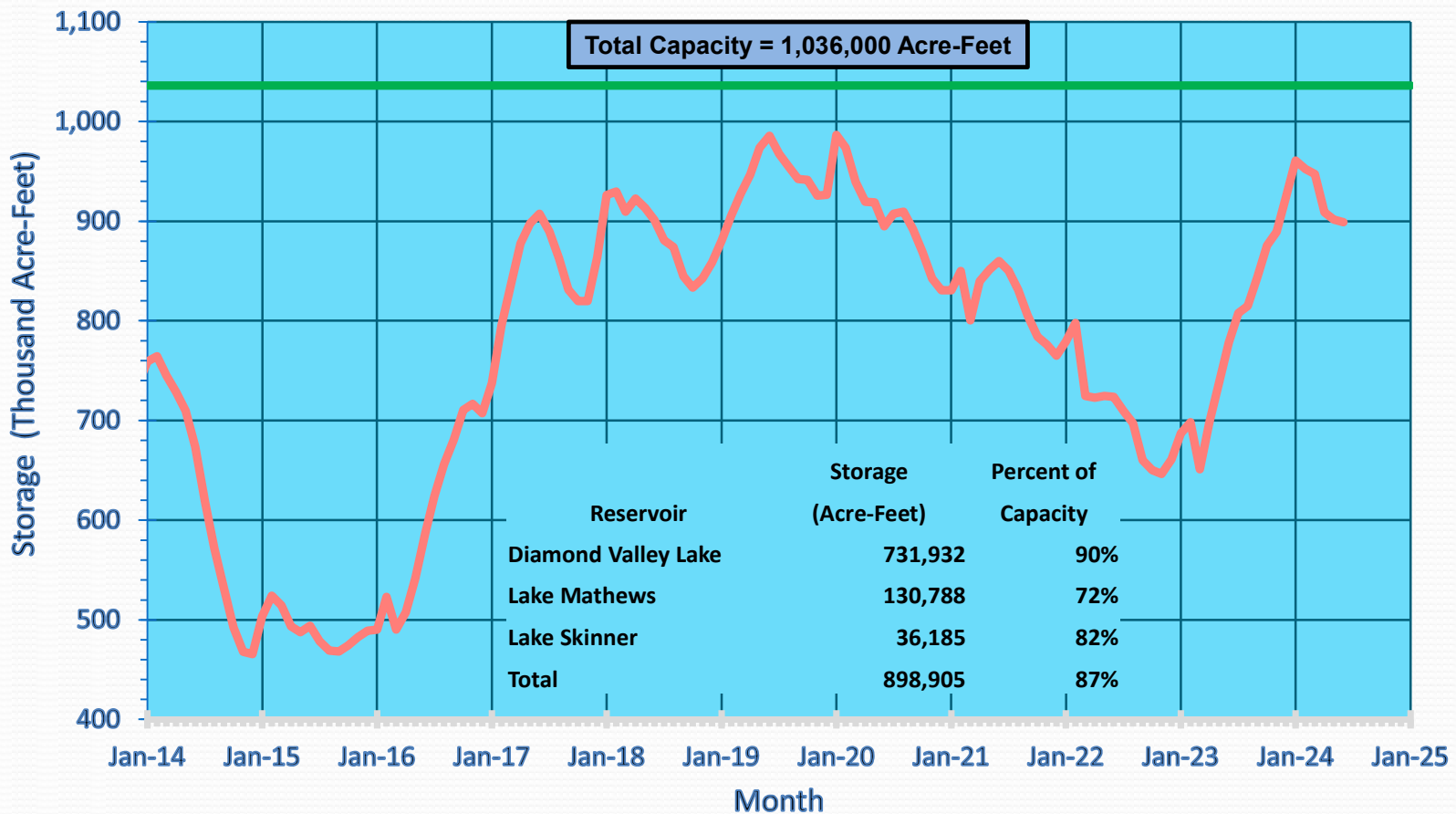
Lake Mead End-of-Month Elevations Projections from May 2024 24-Month Study Inflow Scenarios



- Historical Elevations
- May 2024 Probable Maximum Inflow with a Lake Powell release of 7.48 maf in WY 2024 and 9.00 maf in WY 2025
- May 2024 Most Probable Inflow with a Lake Powell release of 7.48 maf in WY 2024 and WY 2025
- May 2024 Probable Minimum Inflow with a Lake Powell release of 7.48 maf in WY 2024 and WY 2025

MWD's Combined Reservoir Storage as of June 1, 2024

Lake Skinner, Lake Mathews, and Diamond Valley Lake



2024 Water Deliveries to Agencies (AF)

Total Delivery To Date: 0.322 MAF
Average Total Delivery to Date: 0.439 MAF
% of Annual Average to Date: 73%

