

The Metropolitan Water District of Southern California

Agenda

The mission of the Metropolitan Water District of Southern California is to provide its service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.

IW Committee

G. Peterson, Chair
D. Erdman, Vice Chair
L. Ackerman
R. Atwater
G. Cordero
L. Dick
S. Faessel
F. Jung
T. McCoy
J. Morris
B. Pressman
T. Quinn
M. Ramos
R. Record
T. Smith

Imported Water Committee - Final - Revised 1

Meeting with Board of Directors *

November 7, 2022

1:30 p.m.

Live streaming is available for all board and committee meetings on mwdh2o.com ([Click Here](#))

A listen only phone line is also available at 1-877-853-5257; enter meeting ID: 831 5177 2466. Members of the public may present their comments to the Committee on matters within the committee's jurisdiction as listed on the agenda via in-person or teleconference. To participate via teleconference (833) 548-0276 and enter meeting ID: 815 2066 4276.

Monday, November 7, 2022 Meeting Schedule

**09:30 a.m. F&I
10:30 a.m. E&O
12:30 p.m. C&L
01:30 p.m. IW**

MWD Headquarters Building • 700 N. Alameda Street • Los Angeles, CA 90012

* The Metropolitan Water District's meeting of this Committee is noticed as a joint committee meeting with the Board of Directors for the purpose of compliance with the Brown Act. Members of the Board who are not assigned to this Committee may participate as members of the Board, whether or not a quorum of the Board is present. In order to preserve the function of the committee as advisory to the Board, members of the Board who are not assigned to this Committee will not vote on matters before this Committee.

1. Opportunity for members of the public to address the committee on matters within the committee's jurisdiction (As required by Gov. Code Section 54954.3(a))

**** CONSENT CALENDAR ITEMS -- ACTION ****

2. CONSENT CALENDAR OTHER ITEMS - ACTION

- A.** Approval of the Minutes of Imported Water Committee Meeting [21-1658](#)
held October 10, 2022

Attachments: [11082022 IW 2A Minutes](#)

3. CONSENT CALENDAR ITEMS - ACTION

NONE

**** END OF CONSENT CALENDAR ITEMS ****

4. OTHER BOARD ITEMS - ACTION

NONE

5. BOARD INFORMATION ITEMS

NONE

6. COMMITTEE ITEMS

- a. Palo Verde Valley Community Improvement Fund Presented by: [21-1665](#)
Jay Abbs, Board Chair and Marilee Harkinson, Chief Executive Officer

Attachments: [11072022 IW 6a Presentation](#)

- b. Update on Bay-Delta Salmon Research [21-1661](#)

Attachments: [11072022 IW 6b Presentation](#)

- c. Update on Delta Conveyance Public Draft Environmental Impact Report [21-1662](#)

Attachments: [11072022 IW 6c Presentation](#)

- d. Update on Water Surplus and Drought Management and Water Shortage Emergency Condition [21-1666](#)

Attachments: [11072022 IW 6d Report](#)
[11072022 IW 6d Presentation](#)

- e. Report on California Proposal to Conserve Water for Lake Mead. [21-1695](#)
[ADDED ITEM 11/3/22]

Attachments: [11072022 IW 6e Presentation](#)

7. MANAGEMENT REPORTS

a. Colorado River Manager's Report [21-1659](#)

a1. Update on the U.S. Bureau of Reclamation Notice of Intent to Prepare a Supplemental Environmental Impact Statement for the 2007 Interim Guidelines. [ADDED LANGUAGE 11/3/22]

Attachments: [11072022 IW 7a Report](#)
[11072022 IW 7a Presentation](#)

b. Bay-Delta Manager's Report [21-1660](#)

Attachments: [11072022 IW 7b Report](#)

c. Water Resource Management Manager's Report [21-1664](#)

Attachments: [11072022 IWC 7c Presentation](#)

8. FOLLOW-UP ITEMS

NONE

9. FUTURE AGENDA ITEMS

10. ADJOURNMENT

NOTE: This committee reviews items and makes a recommendation for final action to the full Board of Directors. Final action will be taken by the Board of Directors. Agendas for the meeting of the Board of Directors may be obtained from the Board Executive Secretary. This committee will not take any final action that is binding on the Board, even when a quorum of the Board is present.

Writings relating to open session agenda items distributed to Directors less than 72 hours prior to a regular meeting are available for public inspection at Metropolitan's Headquarters Building and on Metropolitan's Web site <http://www.mwdh2o.com>.

Requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Executive Secretary in advance of the meeting to ensure availability of the requested service or accommodation.

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MINUTES

IMPORTED WATER COMMITTEE

October 10, 2022

Committee Chair Peterson called the teleconference meeting to order at 2:01 p.m.

Members present: Chair Peterson, Vice Chair Erdman, Directors Ackerman, Atwater, Cordero, Dick, Faessel (entered after roll call), Jung, Morris, Pressman, Quinn (entered after roll call), Ramos (entered after roll call), Record, and Smith.

Member absent: Director McCoy.

Other Board Members present: Chairwoman Gray, Directors Abdo, Blois, De Jesus, Dennstedt, Fellow, Fong-Sakai, Kurtz, Lefevre, Miller, Ortega, Petersen, Sutley, and Tamaribuchi.

Committee Staff present: Arakawa, Hagekhalil, Hasencamp, Horton, Upadhyay, Winn, and Zinke

1. OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE COMMITTEE ON MATTERS WITHIN THE COMMITTEE'S JURISDICTION

1. Ms. Caty Wagner, Sierra Club California, spoke in support of agenda item 7-9, and she addressed the committee regarding item 6a.

Director Faessel entered the meeting

CONSENT CALENDAR OTHER ITEMS – ACTION

2. CONSENT CALENDAR OTHER ITEMS -- ACTION

A. Approval of the Minutes of the Meeting of the Imported Water Committee held September 12, 2022

Director Smith requested revisions to the September 12, 2022 Meeting Minutes

3. CONSENT CALENDAR ITEMS – ACTION

- 7-8. Subject: Authorization to extend the term of the Operational Shift Cost Offset Program to provide credits in calendar year 2023; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA
- Motion: Authorize to extend the term of the Operational Shift Cost Offset Program to provide credits in calendar year 2023, consistent with the terms in Attachment 1.
- Presented by: No presentation was requested

Director Ramos entered the meeting

Director Quinn entered the meeting

- 7-9. Subject: Adopt the Revision and Restatement of Bay-Delta Policies; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA
- Motion: Adopt the revision and restatement of Bay-Delta Policies, including amendments offered by Directors Ackerman and Smith, as shown on “Attachment 1 with redlines”
- Presented by: Nina Hawk, Bay-Delta Initiatives Policy Manager
- General Manager Adel Hagekhalil provided a brief background and overview, and he introduced Ms. Hawk.
- She focused on the feedback received from the September 12, 2022 Imported Water Committee, public comments and member agency comments, including the different feedback areas, how that feedback has been incorporated into the revised Bay-Delta Policies, and she highlighted the revised Bay-Delta Policy Framework.
- The following Directors provided comments or asked questions:
1. Smith
 2. Ramos
 3. Morris
 4. Record
 5. Sutley
 6. Ackerman
 7. Cordero
 8. Quinn

Staff responded to the Directors’ questions and comments.

After completion of the presentation, Director Smith made a motion, seconded by Director Morris to approve the consent calendar consisting of items 2A, 7-8 and 7-9:

The vote was:

Ayes: Directors Ackerman, Atwater, Cordero, Dick, Erdman, Faessel, Jung, Morris, Peterson, Pressman, Quinn, Ramos, Record, and Smith.

Noes: None

Abstentions:

Absent: Directors McCoy.

Non-voting:

The motion passed by a vote of 14 ayes, 0 noes, 0 abstention, 1 absent.

END OF CONSENT CALENDAR ITEMS

4. OTHER BOARD ITEMS – ACTION

None

5. BOARD INFORMATION ITEMS

None

6. COMMITTEE ITEMS

a. Subject: Update on Delta Conveyance Public Draft Environmental Impact Report (EIR)

Presented by: Nina Hawk, Bay-Delta Initiatives Policy Manager
Dee Bradshaw, Bay-Delta Initiatives Program Manager
Jennifer Nevills, Bay-Delta Initiatives Program Manager

Bay-Delta Initiatives Manager Steve Arakawa introduced the first speaker.

Ms. Hawk provided information on the Draft EIR at the beginning, and she noted that today's update is Part 1 and that Part 2 will be presented at the November Imported Water Committee meeting. She then introduced the next speaker.

Ms. Bradshaw provided an overview of the proposed Delta Conveyance Project (DCP), including the planning timeline, project objectives, and key elements of the project. She then introduced the next speaker.

Ms. Nevills discussed the water supply reliability and resiliency aspects by focusing on climate change impacts on the State Water Project (SWP) and how the DCP performs under modeled scenarios, and she highlighted key climate change and operational assumptions.

Ms. Hawk completed the presentation by highlighting how the DCP relates to Metropolitan's One Water approach, and that the SWP has an important role for Metropolitan in its water resource portfolio. She also provided a preview of Part 2.

The following Directors provided comments or asked questions.

1. Fong Sakai
2. Record
3. Smith
4. Lefevre

Staff responded to the Directors' questions and comments.

- b. Subject: Update on Water Surplus and Drought Management and
 WaterShortage Emergency Condition
- Presented by: Noosha Razavian, Water Resource Management Associate
 Resource Specialist

Brad Coffey, Water Resource Management Group Manger addressed a request that was raised by Director Smith last month and noted that staff is working on bringing that report to the committee, and he introduced the speaker.

Ms. Razavian provided a brief recap of water year 2021/22, and she reviewed the current supply and demand balance, the monthly update on the Emergency Water Conservation Program, and current planning efforts for next year.

The following Director asked questions.

1. Smith

Staff responded to the Director's questions.

- c. Subject: Update on plan to add 500,000 acre-feet of water to Lake Mead
 (500 Plus Plan)

Presented by: Laura Lamdin, Water Resource Management Engineer
Bill Hasencamp, Colorado River Resources Manger introduced the speaker.

Ms. Lamdin provided background on the 500 Plus Plan, a description of the plan, and when it was approved. She provided information on the current status of the plan, noted that the water conservation goal has increased, and that staff will keep the committee up to date on the evolving situation.

The following Director asked a question.

1. Lefevre

Staff responded to the Director's questions in the following report.

7. MANAGEMENT REPORTS

- a. Subject: Colorado River Manager's Report

Presented by: Bill Hasencamp, Colorado River Resources Manager

Mr. Hasencamp reported good news, a summer to remember; the Colorado River Basin summer rains resulted in significant precipitation in the Basin. He discussed the efforts to produce a long-term plan to have a sustainable Colorado River into the future, and he reported on a meeting with Bard Water District and the Quechan Tribe.

The following Director provided a comment:

1. Smith

- b. Subject: Bay-Delta Manager's Report

Presented by: Steve Arakawa, Bay-Delta Initiatives Manager

Mr. Arakawa reported that staff included a quarterly science update in the Bay-Delta Management Report, starting this month, to show progress in meeting the General Manager's Strategic Priorities. He also reported that the U.S. Fish and Wildlife Service announced its proposal to list longfin smelt under the Federal Endangered Species Act, and that staff would be involved in the public comment process.

- c. Subject: Water Resource Management Manager's Report

Presented by: Brad Coffey, Water Resource Management Group Manager

Mr. Coffey reported on the Colorado River water order, the SWP water order, and the SWP human health and safety supplies.

8. FOLLOW-UP ITEMS

None

9. FUTURE AGENDA ITEMS

None

Meeting adjourned at 4:00 p.m.

Glen Peterson
Chair



Palo Verde Valley Community Improvement
Fund

Presented to the Metropolitan Water District of
Southern California – Imported Water
Committee

November 7, 2022

The Beginning

- CIF was established as a non-profit entity on September 6, 2007.
- It aims to facilitate economic growth and development of the Palo Verde Valley through job creation, vocational training, and other programs that lessen the burdens of government and/or promote social welfare.

Our Loan Program

- As of today CIF has processed 38 loans.
- 29 loans have been paid off.
- 9 loans are active with \$1,864,285 outstanding.
- The total amount loaned over the years is \$7,620,851.

Businesses we have helped

- 5 Restaurants
- 1 Low Cost Dental Clinic
- 1 Pharmacy
- 1 Furniture Store
- 1 Radio Station
- 1 Nursing Home
- 1 Hotel
- And other assorted businesses



The Hampton Inn & Suites

CIF provided a construction loan of \$818,000.



La Paloma Restaurant & Cafe

Our loan of \$200,000 enabled the existing restaurant to expand and relocate to an area next to the freeway increasing sales and adding jobs.



Halby's

A \$675,000 loan allowed this clothing store to relocate and expand which increased jobs in the valley.



Frye Chapel & Mortuary

An \$88,000 loan enabled the owners to renovate the chapel area.



Palo Verde Hospital

A \$260,000 loan combined with a \$100,000 CIF grant allowed the hospital to transition to an electronic health record format.



Pristine Dental Hygiene Practice

A \$104,000 loan enabled a local RDHAP to open a low cost dental clinic that is only one of two in the valley that accepts the Medi-Cal Dental Program reimbursement.

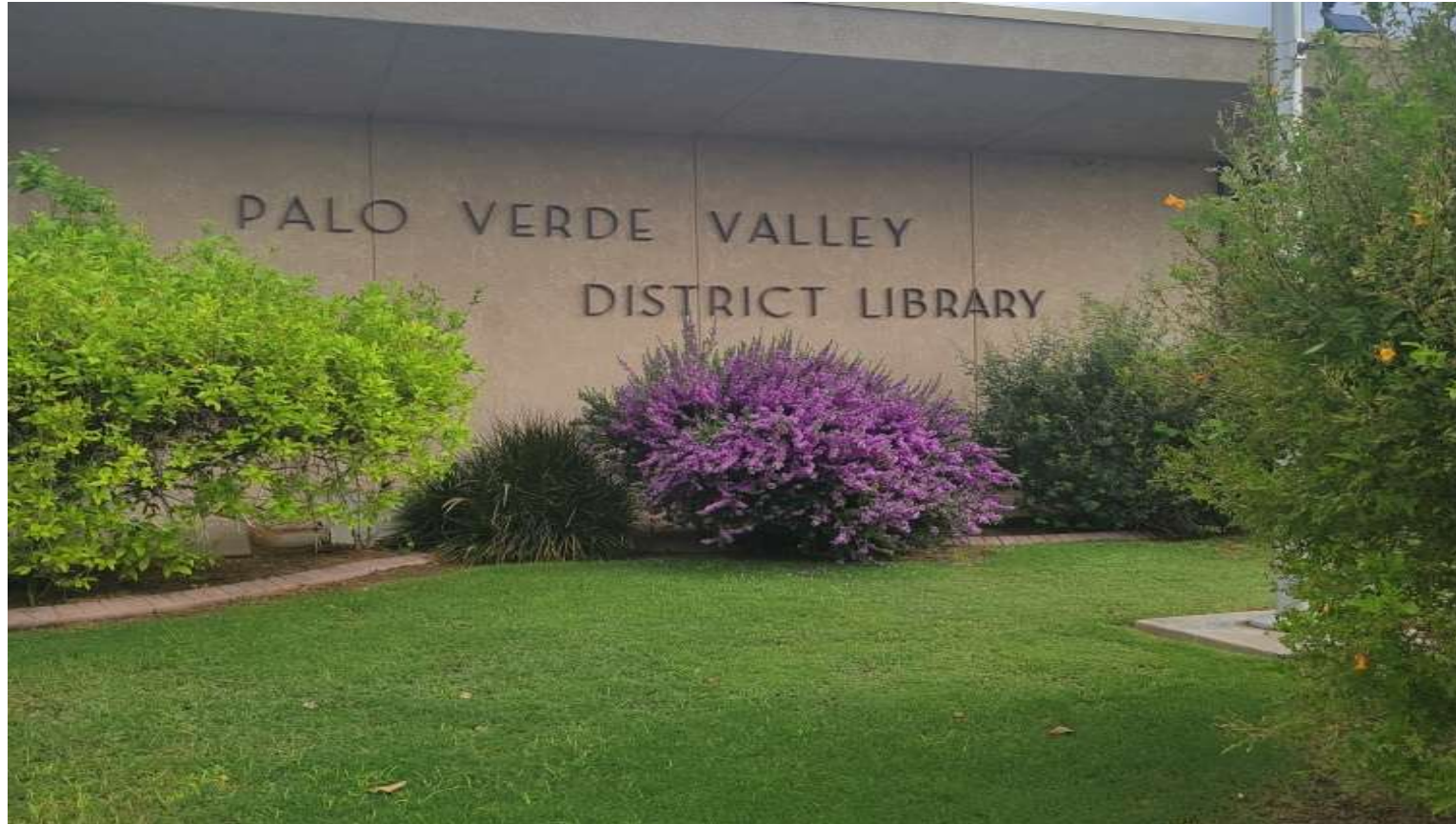


Truck driving school

CIF partnered with Palo Verde College in 2010 to sponsor a commercial truck driving school. 13 locals attended the training. The grant was for \$94,703.

CIF's Grant Program

- \$1,757, 818 has been paid out in grants to date.
- The Board has assisted 27 non-profit organizations in the valley, as well as several local districts; including the schools, the public library, the fairgrounds and local hospital.



Palo Verde Valley District Library

Our local library was in need of a new roof and CIF provided a grant to get it done. We also assisted with replacing two HVAC units. The total amount of the grants was \$69,280.



City of Blythe Recreation Center

The City of Blythe recreation center was awarded a grant of \$260,000 in 2009 to keep the facility open. It was in danger of closing due to budgetary problems at the City. The center provides activities six days a week for children and adults alike.



Colorado River Fair

The outdoor shade structure at the local fairgrounds was replaced with funds from a grant of \$33,859 in 2018. Many events are held in the Bommer Theatre each year. CIF also funded grants to re-pave all the asphalt areas and upgrade the electrical panels at the race track. Those grants totaled \$126,805.



Harmony Kitchen

The all volunteer crew provides a free lunch five days a week to anyone that is in need. Many of the area's homeless are served. CIF approved several grants, totaling \$41,579, to repair and renovate their building.



Palo Verde Cemetery District

A grant of \$35,8451 was given to the district that allowed them to replace a tractor that was over 30 years old and unable to meet current air quality standards.



American Legion

The American Legion was forced to close during COVID. When they were ready to re-open the County made them renovate their building. They came to CIF and the board approved a grant of \$75,869. That allowed them to replace the roof and bring all the plumbing and flooring up to code.

Plans For The Future

- The Board recently lowered the upfront loan fees to make our loans available to more businesses.
- The CEO will participate in Lunch & Learn Seminars as they are presented.
- Board Members are proactive in the community making contacts with potential clients.



Imported Water Committee

Update on Bay-Delta Salmon Research

Item 6b

November 7, 2022

Presentation Outline

Salmonid Recovery Project

- Project Goal
- Background
- Phases



Project Goal

Develop an effective and implementable strategy to achieve “broad-sense” recovery for listed and non-listed salmonids in California’s Central Valley while considering other social, ecological, and economic interests in the region.



Natalie Stauffer-Olsen
Trout Unlimited



Rene Henery
Trout Unlimited



Gary Bobker
The Bay Institute



Frances Brewster
Valley Water



Alison Collins
Metropolitan Water District



Rafi Silberblatt
K&W



Lindsay Tryba
K&W



Michael Harstone
Compass



Brian Crawford
Compass



Bruce DiGennaro
Essex

Planning Team: water agencies & environmental groups



Added Value of Project

A structured process to
'stitch together' disaggregated
efforts to advance salmonid recovery



**Measurable and
ambitious
recovery targets**



**Entire salmonid
life cycle**



**Multiple models
and analytical tools**



**Consideration of
all regional
projects**



**Broad, equitable
and transparent
engagement**

PROJECT Overview



*Funded by State Water Contractors

** Funded by Delta Science Program grant award

PHASE 1

Framework to Define Recovery



PHASE 1

Recovery Definition

Thank you to the following scientists (and organizations) for helping to develop the recovery definition framework over the course of twelve workshops (and subsequent working groups) in 2021



Recovery Definition Overview



Key Principles

- Viable Salmonid Population
- Not tied to regulatory or policy processes
- Seeks to go beyond delisting & support long-term harvest
- Distinguishes between: Natural/hatchery origin
- Species: Listed/non-listed

Recovery Definition Overview



Framework

Objective	Metric
Abundance	Abundance relative to carrying capacity for spawning adults, holding adults, rearing juveniles
Productivity	Population growth rate
Spatial Structure	Number of independent viable populations
Diversity	Age distribution of spawning adults

PHASE 2 Engagement



PHASE 2: Engagement During 2022

Outreach webinars to multiple organizations



McCloud River Reintroduction Group
McCloud Watershed Council
Tehama RCD
Sacramento River Science Partnership
Central Valley Salmon Habitat Partnership
Central Valley Joint Venture
Collaborative Science & Adaptive
Management Program
Delta Conservancy
Nor-Cal Guides & Sportsmen's Association
San Joaquin River Restoration Program
Pacific Fishery Management Council

Butte RCD
Yuba River Management Team
Water Forum
Cosumnes Coalition
Mokelumne River TAC
Stanislaus River Fish Group
Turlock Irrigation District
(Tuolumne interested parties)
San Joaquin Conservancy
California Indian
Environmental Alliance

105 participants
60 organizations

Organizations

Tribal Nations (4)
Non-governmental
Organizations (14)
Academic
Universities (2)
State Agencies (12)
Federal Agencies (3)
Fishery (1)
Agriculture (5)
Water Agencies (8)
Waterfowl (1)
Consultants (10)

Values Workshops June 2022

Values

- Perspective on values related to salmonid recovery

Watershed Specific Data

- Alternatives/modifications to datasets currently being used for modeling
- Information to set targets at the specific watershed level

Project Catalog



Values Questionnaire

- How do you imagine salmonid recovery might benefit you?
- How do you imagine efforts to achieve salmonid recovery might negatively impact you?
- What are the unique factors in your watershed that act as barriers to salmonid recovery?





Values Statements

- Salmonids as an indicator of the health and integrity of the Bay-Delta
- Preserving natural habitats despite cultural and societal externalities
- Climate change accommodation
- More people employed in salmonid related jobs
- Improving water supply by providing greater flexibility in how and when water is delivered to farms to grow food and cities for human use





Project Data and Project Catalog

- Watershed Data
 - How many salmonids are produced?
 - What habitat is available to restore?
- Project Catalog
 - >200 projects



PHASE 3 Decision Support



Builds on
Phase 1 and 2

Next Steps – Phase 3

- 2022: Kickoff workshops Dec 1, 6, 12, 2022
- 2023:
 - Identify actions to recover salmonids
 - Estimate consequences of actions
 - Compare tradeoffs of actions
- 2024, March: Strategy to achieve “broad-sense” recovery while considering other social, ecological, and economic interests in the region.

Metropolitans' Interests

Metropolitans' Interest

<i>Revised Bay-Delta Policy Objectives</i>		
<ul style="list-style-type: none"> • Promote a Sustainable Bay-Delta Within Metropolitan's One Water Approach • Support Statewide and Regional Actions that Further the Coequal Goals Established in the Delta Reform Act • Address the Risks Associated with Climate Change 		
<i>Revised Bay-Delta Policy Framework</i>		
Science and Watershed Management	Water Supply Reliability and Resilience	Partnerships and Cost-Effective Investments
Protect and restore aquatic species and habitats based on best available science	Protect water supply reliability and quality while reducing reliance consistent with the Delta Reform Act	Maintain and pursue cost-effective financial investments
Partner in watershed-wide approaches to develop comprehensive solutions	Invest in actions that provide seismic and climate resiliency	Foster broad and inclusive engagement of Delta interests and beneficiaries
Advance responsible stewardship of Metropolitan's Delta islands	Seek flexible operations, water management actions, and infrastructure solutions	Promote innovative and multi-benefit initiatives

ESA listed
species limit
water supply
reliability

Metropolitans' Interest

- Project will identify priority actions to recover salmonids agreed upon by multi-user group
- Metropolitan can identify what actions we can best aid





Imported Water Committee

Update on Delta Conveyance Draft EIR Part 2

Item 6c

November 7, 2022

Update on Delta Conveyance Project Draft EIR

October Agenda (part 1)

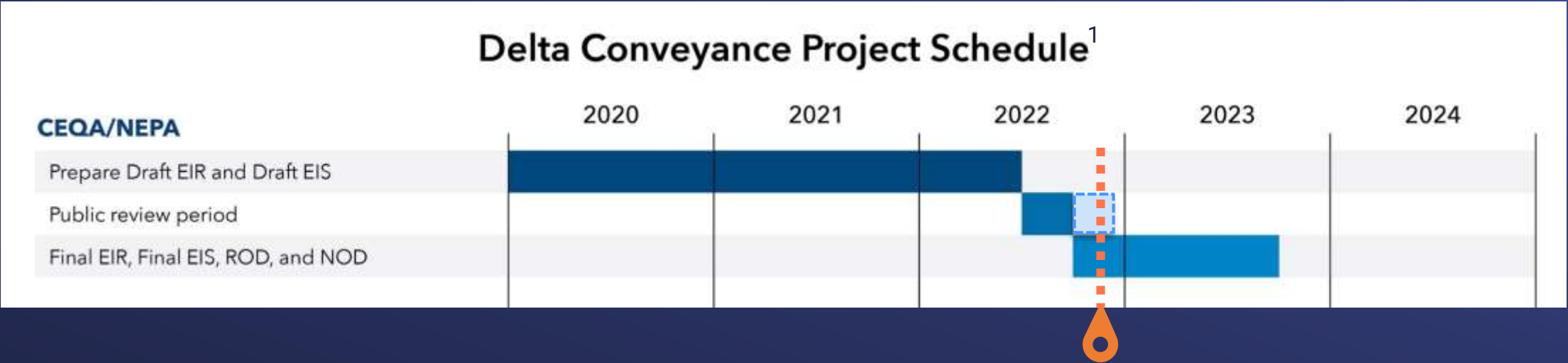
- Project Overview
- Water Supply Reliability and Resiliency
- One Water and Delta Conveyance

November Agenda (part 2)

- Project Overview (recap)
- In-Delta engagement during DEIR development
- Tribal Cultural Resources
- Environmental Justice
- Community Benefits Framework/Program





Proposed Delta Conveyance Project Project Overview

Delta Conveyance Project Planning Timeline



¹Department of Water Resources (DWR) extended Draft Environmental Impact Report (DEIR) public review period of 90 days with an end date of October 27, 2022 to December 16, 2022, light blue shaded box captures this timeline modification. Proposed Delta Conveyance Project timeline is subject to change.

The Project Purposes

	CLIMATE RESILIENCY	Addresses climate change, extreme weather and rising sea-levels in the Delta for the SWP
	SEISMIC RESILIENCY	Minimizes health/safety risk to public from earthquake-caused reductions in water delivery quality and quantity from the SWP
	WATER SUPPLY RELIABILITY	Restores and protects ability to deliver SWP water in compliance with regulatory and contractual constraints
	OPERATIONAL FLEXIBILITY	Provides SWP operational flexibility to improve aquatic conditions and manage risks of additional future constraints

Project Alignments

Three Alignment Options

- Central
- Eastern
- **Bethany – Proposed Project**

Four Capacity Options

- 3,000 cfs
- 4,500 cfs
- **6,000 cfs – Proposed Project**
- 7,500 cfs



Proposed Delta Conveyance Project In-Delta Engagement

Stakeholder Engagement Committee

Formed by the Delta Conveyance Design & Construction Joint Powers Authority (DCA) to provide:

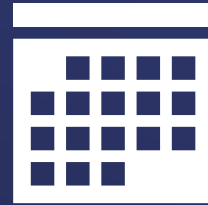
- a **forum** for Delta interested parties to provide input and feedback on technical/engineering issues
- an **opportunity** to identify engineering and design considerations that would avoid or minimize effects from construction and facility siting
- a **space** for committee members to relay information between respective groups and the committee



Stakeholder Engagement Committee



18 Members



19 Meetings



Officially sunset
January 2022

Stakeholder Engagement Committee

Input Incorporated into Project Design Included:



- Removal of barge landings
- Changes to construction siting
- Avoidance of using levee roads
- Relocation and elimination of shaft sites

Proposed Delta Conveyance Project Tribal Cultural Resources

Chapter 32: Tribal Cultural Resources

- Identifies and analyzes the Delta as a Tribal Cultural Landscape
- Analyzes impacts that could result from construction, operation, and maintenance
- Proposes mitigation measures to reduce the effects of any potentially significant impacts to Tribal cultural resources
- DWR is continuing to consult with Tribes



Delta Tribal Cultural Landscape



The Delta is a holistic place that is a Tribal homeland and place of origin

Terrestrial and aquatic habitats that are part of the Delta's ecosystem and the heritage of Tribes



Ethnohistorical and archaeological locations that are sacred places and historically important

Sacred waterways



Views and vistas of and from the Delta that are sacred and important to the heritage of Tribes

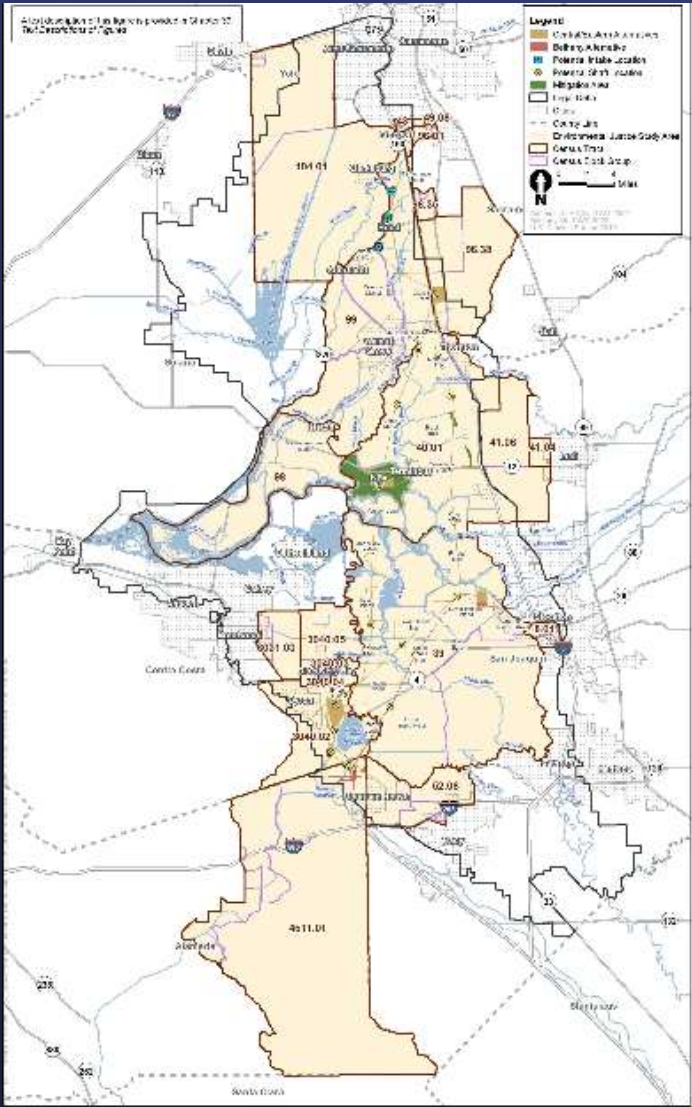


Key Commitments to Mitigate Impacts

- Tribal preconstruction surveys and monitoring for all ground-disturbing activities
- Permanently designating land (and access rights) to relocate ancestral remains and artifacts that may be encountered.
- Tribal involvement in restoration planning efforts and access to designated spaces in restored areas for ceremonial purposes in perpetuity.

Proposed Delta Conveyance Project Environmental Justice

Chapter 29: Environmental Justice



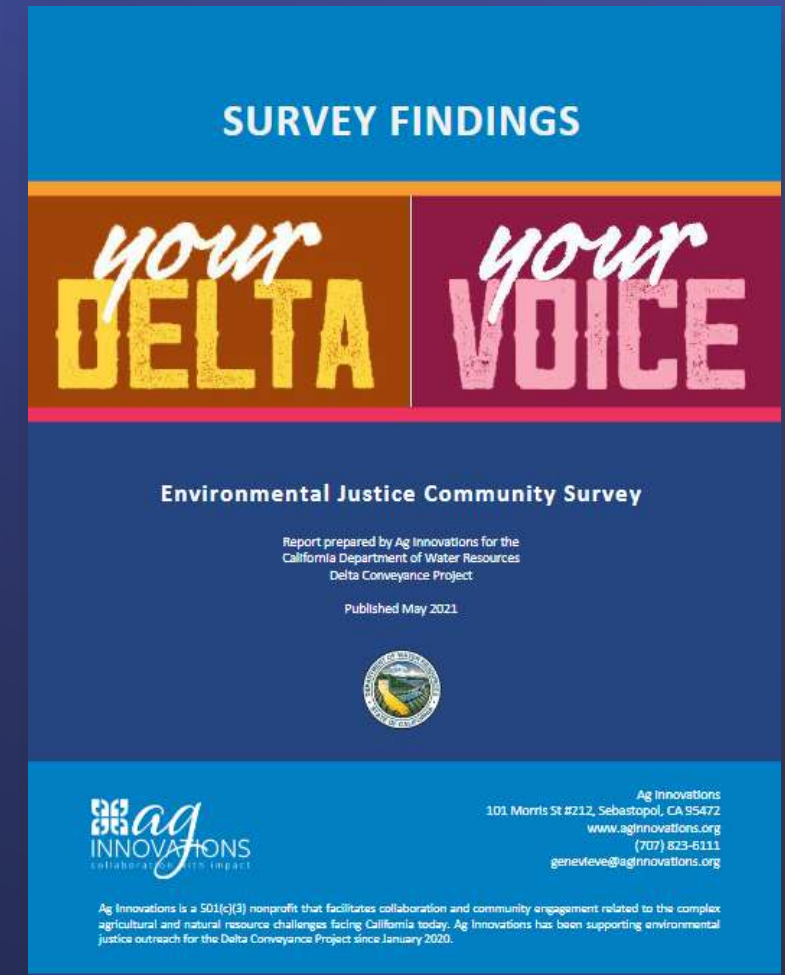
- Environmental Justice (EJ) analysis included to satisfy NEPA requirements
- Consideration of State and California Natural Resource Agency Policies
- Conducted extensive EJ outreach during the CEQA scoping process
 - Formal notification of communities, community leaders and organizations
 - Scoping meetings and comment workshops with interested parties
 - Tribal Engagement
 - "Your Delta, Your Voice" EJ community survey

Environmental Justice Analysis

- Focused on resource areas with CEQA impact conclusions not mitigated to less-than-significant level
 - Agricultural Resources
 - Aesthetics and Visual Resources
 - Cultural Resources
 - Transportation
 - Air Quality
 - Noise and Vibration
 - Public Health
- Evaluated resource areas for disproportionate effects on EJ communities
 - No disproportionate effects were identified
- Provided additional discussion on Water Supply, Socioeconomics and Climate change

Appendix 29A: Environmental Justice Survey

- 2117 survey participants, 770 categorized as DAC, 217 subcategorized as SDAC
- Asked about demographics, familiarity with DCP and issues of importance and concern to the Delta
- Top participant priorities for the Delta region included
 - Clean air and drinking water
 - Natural environment
 - Well-maintained levees
 - Preserving agriculture
 - Historic preservation
 - Roads/transportation, jobs, housing, other...



DAC is defined as: Non-white OR Household income is less than \$60,000 OR By zip code and household income is less than \$75,000

SDAC is defined as: Household income is less than \$45,000 OR By zip code and household income is less than \$60,000

Proposed Delta Conveyance Project Community Benefits Program

Project Proponent Commitments

Chapter 34: Community Benefits Program

Three Distinct But Complementary Processes		
Regulatory Mitigation	Community Benefits Program	Ombudsman Program
Purpose: Address project impacts related to specific regulatory requirements (e.g., CEQA/NEPA)	Purpose: Provide resources to direct benefits toward communities most impacted by implementation, based on community collaboration.	Purpose: Clearinghouse single point of contact to streamline information, support and claims. Includes facilitating the process for obtaining just compensation for direct construction impacts

- Intended to foster goodwill and address non-environmental adverse effects on local communities
- Framework developed based on community input
 - EJ Survey, Stakeholder Engagement Committee, targeted interviews and workshops

Appendix 3G: Community Benefits Program Framework

Delta Community Fund

- Funding for actions that help protect, enhance and sustain the Delta as an evolving place
 - Community-driven approach to fund management
- Potential actions identified through outreach include:
 - Water and air quality, public safety, recreation, habitat, culture and history, agriculture, workforce development, levee maintenance and improvements

Economic Development/Integrated Benefits

- Targeted hiring and business participation programs
- Integrated project benefits or “leave behinds” could include:
 - Community art, garden and education programs, recreation facilities, trails, roads, high-speed internet turnouts, emergency response facilities

Update on Delta Conveyance Project Draft EIR

Next Steps

- Imported Water Committee – November 7
- Member Agency Managers – December 2
- Comment Deadline – December 16





● Water Surplus and Drought Management Update *Conditions as of 10/25/2022*

Summary

This report accounts for water supply, demand, and storage conditions for calendar year (CY) 2022 as of October 25, 2022. The report also tracks the hydrologic conditions for the new water year, (WY) 2022-2023, which began on October 1.

For CY 2022, an estimated 1.33 million acre-feet (MAF) of imported supply are available to help meet demand. The State Water Project (SWP) portion is 258 thousand acre-feet (TAF), which includes 134 TAF of human health and safety water from the Department of Water Resources. The Colorado River supply is 1,068 TAF and reflects the higher priority water use adjustment as reported by the United States Bureau of Reclamation (USBR). Through the priority system, water not used by the higher priority water users becomes a supply to Metropolitan. The higher priority water users continue to use less water than their approved water orders, resulting in an increase in Metropolitan's projected Colorado River supply by an estimated 28 TAF. This estimate may continue to fluctuate as we approach the end of the year.

The demand on Metropolitan is currently estimated at 1.67 MAF for CY 2022. The demand projection has been decreasing all year. This reflects the successes of ongoing conservation efforts and the use of local supplies that is reducing the need for the limited SWP supply. In fact, SWP Dependent Area agencies under the Emergency Water Conservation Program (EWCP) have dropped their water use by roughly 34 percent below their expected water use and are collectively 4 percent below the volumetric limits set in the EWCP. The current supply/demand gap is estimated to be 347 TAF. Metropolitan will satisfy this gap through withdrawals from storage as detailed on **Attachment 1**. Metropolitan is projecting to end the year with 2.3 MAF of water in its dry-year storage accounts.

Operational limitations, potential conservation mandates from USBR, and future water obligations limit access and availability to our storage accounts. Metropolitan is expecting a low initial Table A allocation from the SWP and is not planning for a full Colorado River Aqueduct (CRA) next year due to the conditions on the Colorado River.

As for the upcoming hydrologic conditions, the National Weather Service's seasonal precipitation outlook is advising that La Niña conditions are expected to persist this winter for a third consecutive year. This rare "triple-dip La Niña" has only occurred twice before since the 1950's when records began. For Southern California, the outlook indicates increased chances of below normal precipitation. For Northern California and the Upper Colorado River Basin, there are equal chances for above, below, or normal precipitation. Metropolitan will continue to track, monitor, and report the developing hydrologic conditions as we move through the new water year.

For these reasons, Metropolitan staff will update the Board of Directors in December on potential adjustments to the SWP Dependent Area EWCP for 2023; discuss the implementation of a regionwide Water Supply Allocation Plan for 2023; and call for immediate voluntary outdoor water use reductions and extraordinary conservation in Blended and Colorado River Exclusive Areas. Effective and timely conservation is imperative because it will help stretch limited supply and mitigate the region's need for deeper mandatory cuts.

Purpose

Informational

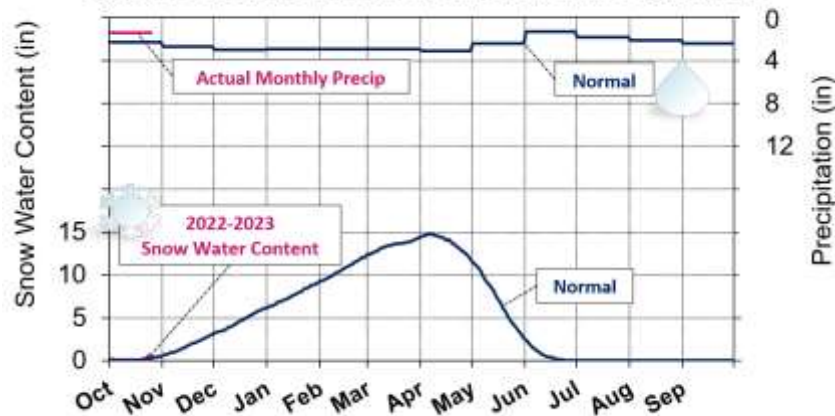
Attachments

- | | |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Attachment 1: | Projected 2022 WSDM Storage Detail (5 percent SWP Table A allocation) |
| Attachment 2: | Agreements to Exchange or Return Stored Water, Potential Magnitude of California's Drought Contingency Plan Contribution, and Cyclic Program Balances |
| Attachment 3: | Emergency Water Conservation Program Performance |

Detailed Report

This Water Surplus and Drought Management (WSDM) report updates water supply and demand conditions for CY 2022 and developing hydrologic conditions for WY 2022-2023.

Upper Colorado Basin Snowpack & Precipitation



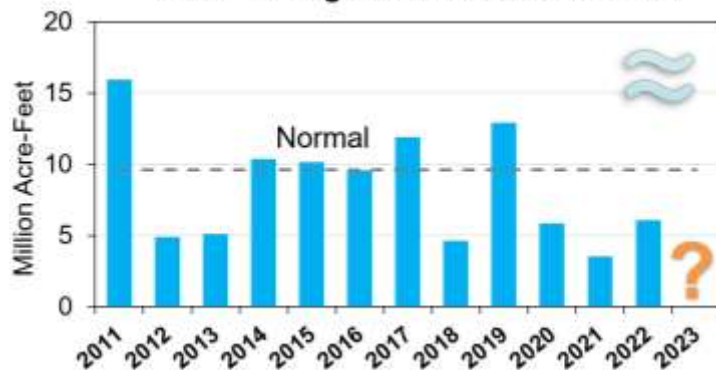
Upper Colorado River Basin

* Above normal snowpack water content for this date (0.6 inches or 200% of normal for this date). Snow data early in the season may not provide a valid measure of conditions.

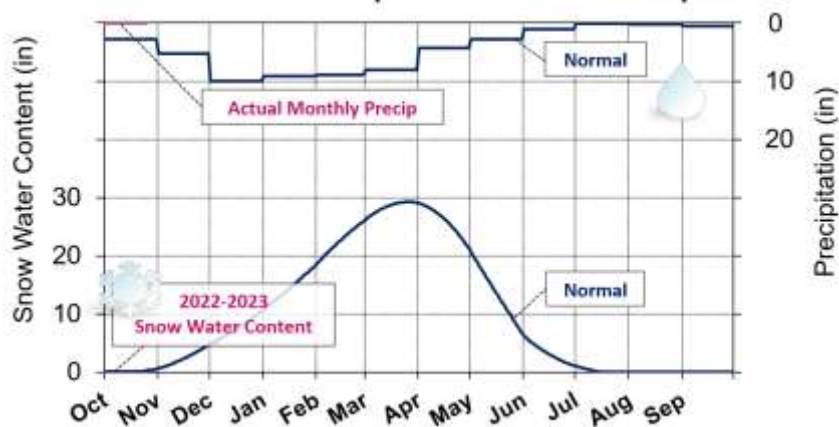
◆ Below normal precipitation to date (1.4 inches or 83% of normal for this date).

≈ Runoff forecast for WY 2023 unavailable at the time of this report.

Powell Unregulated Water Year Inflow



Northern Sierra Snowpack & 8 Station Precipitation



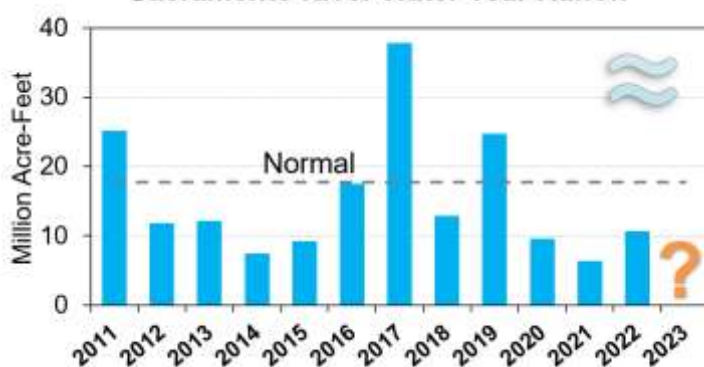
Sacramento River Basin

* No snow reported.

◆ No rain reported.

≈ Runoff forecast for WY 2023 unavailable at the time of this report.

Sacramento River Water Year Runoff



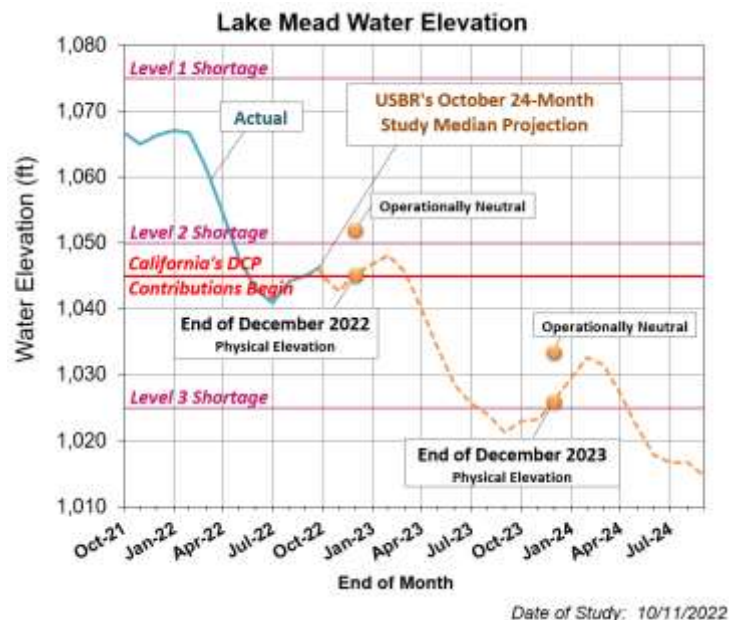
CRA Supplies	Acre-Feet
Basic Apportionment	550,000
IID/ MWD Conservation Program	105,000
CVWD - 2nd Amendment, Exchange of Additional Water	45,000
PVID Following Program	25,000
Exchange w/ SDCWA (IID/Canal Lining)	280,000
Exchange w/ USBR (San Luis Rey Tribe)	16,000
Lower Colorado Water Supply Project	9,000
Bard Seasonal Following Program	3,000
Quechan Diversion Forbearance	6,000
Quechan Seasonal Following Program ¹	0
Higher Priority Water Use Adjustment ²	28,000
Total CRA Supplies³	1,068,000

¹ Rounded to the nearest thousand.

² Per USBR Forecast (10/25/22).

³ Total may not sum due to rounding.

- Lake Mead storage is currently 7.4 MAF or elevation 1,046.3 feet (28 percent of total capacity).
- The Lower Basin is at a Level 1 shortage in CY 2022. Supplies to Metropolitan will not be curtailed and Metropolitan will have full access to its Intentionally Created Surplus (ICS) in CY 2022 to fill the CRA.
- The Lower Basin will be in a first-ever Level 2a shortage in CY 2023. Under a Level 2a shortage, Metropolitan will not be impacted. However, due to the critical conditions on the Colorado River, USBR has called on the Basin states to develop additional conservation to protect critical elevations in Lakes Powell and Mead. Metropolitan and other California water agencies that rely on Colorado River supplies have submitted a proposal to reduce water use by up to 400,000 acre-feet each year beginning in 2023 through 2026.
- Metropolitan will use ICS to meet future DCP contributions; additional use of ICS to meet service area demand remains uncertain.



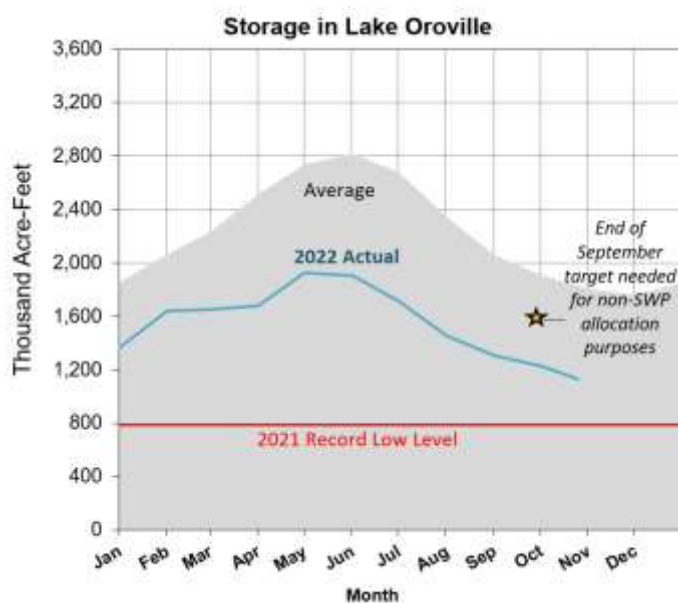
SWP Supplies	Acre-Feet
Table A (5% SWP allocation)	96,000
Article 21	0
Port Hueneme ¹	0
SWC Buyers Group Transfers ²	6,000
Yuba Accord Dry-Year Purchase Program ²	14,000
MWDOC/IRWD Partnership	4,000
Purchase of SDCWA's Semitropic Supply	4,000
Human Health & Safety Supply	134,000
Total SWP Supplies³	258,000
Total Supplies (CRA + SWP)	1,326,000
(Prior to storage actions)	

¹ Rounded to the nearest thousand.

² Current estimate subject to change based on buyer/seller participation and losses.

³ Total may not sum due to rounding.

- In addition to the 5 percent Table A allocation, DWR is providing water for Contractors' unmet Human Health and Safety needs (HH&S). DWR expects Contractors receiving HH&S water to take mandatory conservation measures and return any HH&S water to the SWP in a future year. DWR has approved 134 TAF of HH&S supply for Metropolitan.
- Lake Oroville is currently at 1.13 MAF (32 percent of total capacity) or 62 percent of historical average as of the date of this report.
- The initial SWP Table A allocation for 2023 is expected to start low based on a conservative dry hydrology, current low storage, and releases to be made through the year to meet SWP contractual and regulatory obligations.

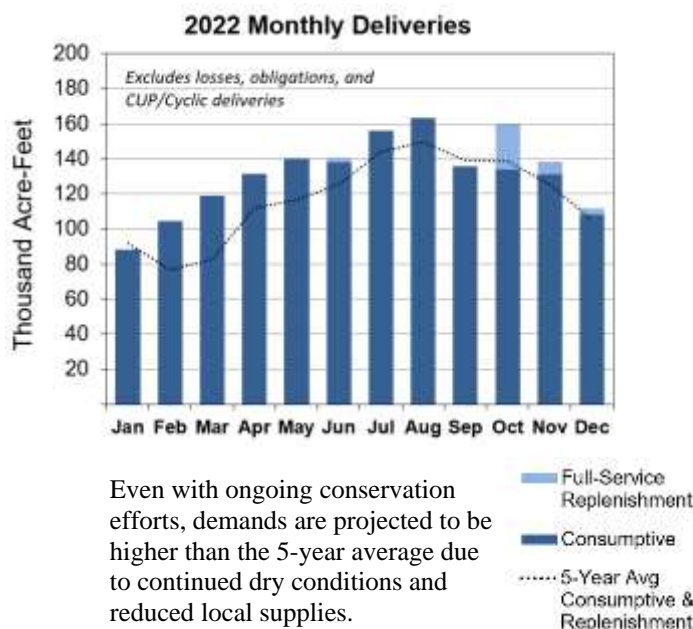


Current Demand	Acre-Feet
Member Agency Consumptive ¹	1,552,000
Member Agency Replenishment	40,000
Coachella Valley Water District Agreement	15,000
Return to Imperial Irrigation District ²	0
Exchange w/ San Luis Rey Tribe	16,000
System and Storage Losses	50,000
Cyclic Deliveries	0
Total Demands ³	1,673,000

¹ Includes exchange w/ SDCWA (IID/Canal Lining) and CUP sales.

² Per USBR Forecast (10/25/22).

³ Total may not sum due to rounding.

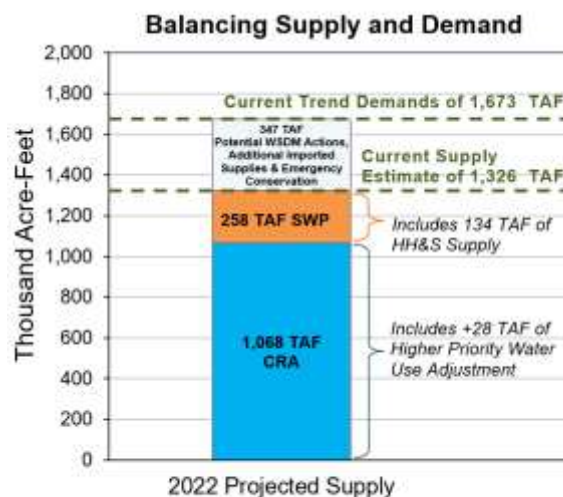


Even with ongoing conservation efforts, demands are projected to be higher than the 5-year average due to continued dry conditions and reduced local supplies.

MANAGING REGIONAL SUPPLY AND DEMAND

Supply/Demand Balance	Acre-Feet
Total Supplies	1,326,000
Total Demands	1,673,000
Current Balance Estimate ¹	-347,000

¹ Total may not sum due to rounding.



Dry-Year WSDM Strategies/Actions

The following WSDM actions are being pursued or are underway to satisfy the estimated supply/demand gap in 2022, enhance Metropolitan's capability of delivering supplies to the SWP Dependent Areas, and reduce storage withdrawals in 2022.

- Strategic withdrawals of water from dry-year storage reserves.
- Coordinating with member agencies to identify new drought actions targeted at Metropolitan's SWP Dependent Areas.
- Executed an agreement with DWR to allow for water withdrawals from Perris Flex storage at Castaic Lake.
- Increased exchange amounts with Arvin-Edison for Metropolitan to receive Friant surface water supplies.
- Maximizing use of Colorado River or stored supplies by using the Greg Avenue pump station and drafting water from Diamond Valley Lake to serve the Lakeview Pipeline and the Mills Plant.
- Advancing infrastructure improvements to reduce the impact of the current drought and provide future system flexibility.
- Working with member agencies to switch from service connections providing SWP supplies to alternate connections that use Colorado River supplies, both within and outside of the Operational Shift Cost-Offset Program.
- Purchasing San Diego County Water Authority's groundwater stored in the Semitropic Water Bank and leasing their pumping capacity.
- Partnering with non-member agencies such as the San Bernardino Valley Municipal Water District, a SWP Contractor, for exchange opportunities.
- Utilizing the Coordinated Operating Agreement with Municipal Water District of Orange County and Irvine Ranch Water District to enhance SWP supplies.
- Securing one-year transfers with various water districts north of the Sacramento-San Joaquin River Delta.
- Implementing the Emergency Water Conservation Program in the SWP Dependent Area.
- Receiving deliveries of HH&S supply from DWR to help meet demands in the SWP Dependent Area.
- Executed a Reverse Cyclic Program agreement with the Calleguas Municipal Water District to defer some deliveries to a future year.

2022 WSDM Storage Detail

WSDM Storage	1/1/2022 Storage Levels	Net Projected Storage Action Put (+) / Take (-)	Projected End of Year 2022 Balance ¹	2022 Total Storage Capacity
Colorado River Aqueduct Delivery System	1,252,000	-68,000	1,184,000	1,657,000
Lake Mead ICS	1,252,000 ²	-68,000	1,184,000	1,657,000
State Water Project System	636,000	-159,000	477,000	1,879,000
MWD SWP Carryover ³	38,000	-15,000 ⁴	23,000	350,000
DWCV SWP Carryover ³				
MWD Articles 14(b) and 12(e)	0	0	0	N/A
Castaic and Perris DWR Flex Storage	49,000	-46,000 ⁵	3,000	219,000
Arvin Edison Storage Program	136,000	-17,000 ⁶	119,000	350,000
Semitropic Storage Program	218,000	-50,000 ⁷	168,000	350,000
Kern Delta Storage Program	149,000	-31,000	118,000	250,000
Mojave Storage Program	19,000	0	19,000	330,000
AVEK Storage Program	27,000	0	27,000	30,000
In-Region Supplies and WSDM Actions	795,000	-109,000	686,000	1,246,000
Diamond Valley Lake	600,000	-110,000	490,000	810,000
Lake Mathews and Lake Skinner	179,000	10,000	189,000	226,000
Conjunctive Use Programs (CUP) ⁸	16,000	-9,000	7,000	210,000
Other Programs	674,000	-11,000	663,000	1,181,000
Other Emergency Storage	381,000	0	381,000	381,000
DWCV Advanced Delivery Account	293,000	-11,000	282,000	800,000
Total	3,357,000	-347,000	3,010,000	5,963,000
Emergency	750,000	0	750,000	750,000
Total WSDM Storage (AF) ⁹	2,607,000	-347,000	2,260,000	5,213,000

¹ Preliminary end of year balances, subject to DWR adjustments and USBR final accounting in May 2023.

² Reflects USBR's final accounting for 2021, released in May 2022. This amount is net of the water Metropolitan stored for IID in Lake Mead in an ICS sub-account.

³ Total storage capacity varies year to year based on prior year remaining balance added to current year contractual limits.

⁴ Net storage action of withdrawing 38,000 AF from carryover and adding/repositioning 23,000 AF of previously banked groundwater into carryover storage.

⁵ Available for withdrawal from Castaic Lake in 2022 pursuant to an MWD-DWR agreement.

⁶ Take amounts dependent on exchange capabilities.

⁷ Includes leasing 5,000 AF of return capacity from SDCWA. This provides Metropolitan the ability to withdraw more of its groundwater stored in the program.

⁸ Total of all CUP programs including IEUA/TVMWD (Chino Basin); Long Beach (Central Basin); Long Beach (Lakewood); Foothill (Raymond and Monk Hill); MWDOC (Orange County Basin); Three Valleys (Live Oak); Three Valleys (Upper Claremont); and Western.

⁹ Total WSDM Storage level subject to change based on accounting adjustments.

Agreements to Exchange or Return Stored Water

	Future Returns ¹
CR Total (AF)	802,000
Water Stored for IID under the California ICS Agreement and its Amendment or the 2021 Settlement Agreement with IID	262,000 ²
Storage and Interstate Release Agreement with Southern Nevada Water Authority	330,000 ³
Coachella Valley Water District Agreement	210,000 ⁴
SWP Total (AF)	350,000
DWR Flex Storage	216,000 ⁵
Human Health & Safety	134,000 ⁶
Total (AF)	1,152,000

¹ Rounded to the nearest thousand. Subject to change based on accounting adjustments.

² IID can request return in any year, conditional on agreement terms.

³ Up to 30,000 AF per year beginning no earlier than 2022.

⁴ Obligation to be met by the end of 2026.

⁵ Flexible storage withdrawals from Castaic Lake and Lake Perris must be returned within five calendar years. Metropolitan is required to return 170,000 AF by 2026 for withdrawals in 2021. Metropolitan is planning to withdraw 46,000 AF in 2022, as shown on page 5, and will need to return this amount by 2027.

⁶ Metropolitan's scheduled CY 2022 Human Health & Safety deliveries. Any water taken must be returned by 2027.

Potential Magnitude of California's Drought Contingency Plan Contribution

	2022	2023	2024	2025	2026
Likelihood of Required California Drought Contingency Plan Contribution ¹	0%	0%	73%	63%	63%
Average Metropolitan DCP Contribution When Contributions Are Required (AF)	0	0	266,000	298,000	294,000

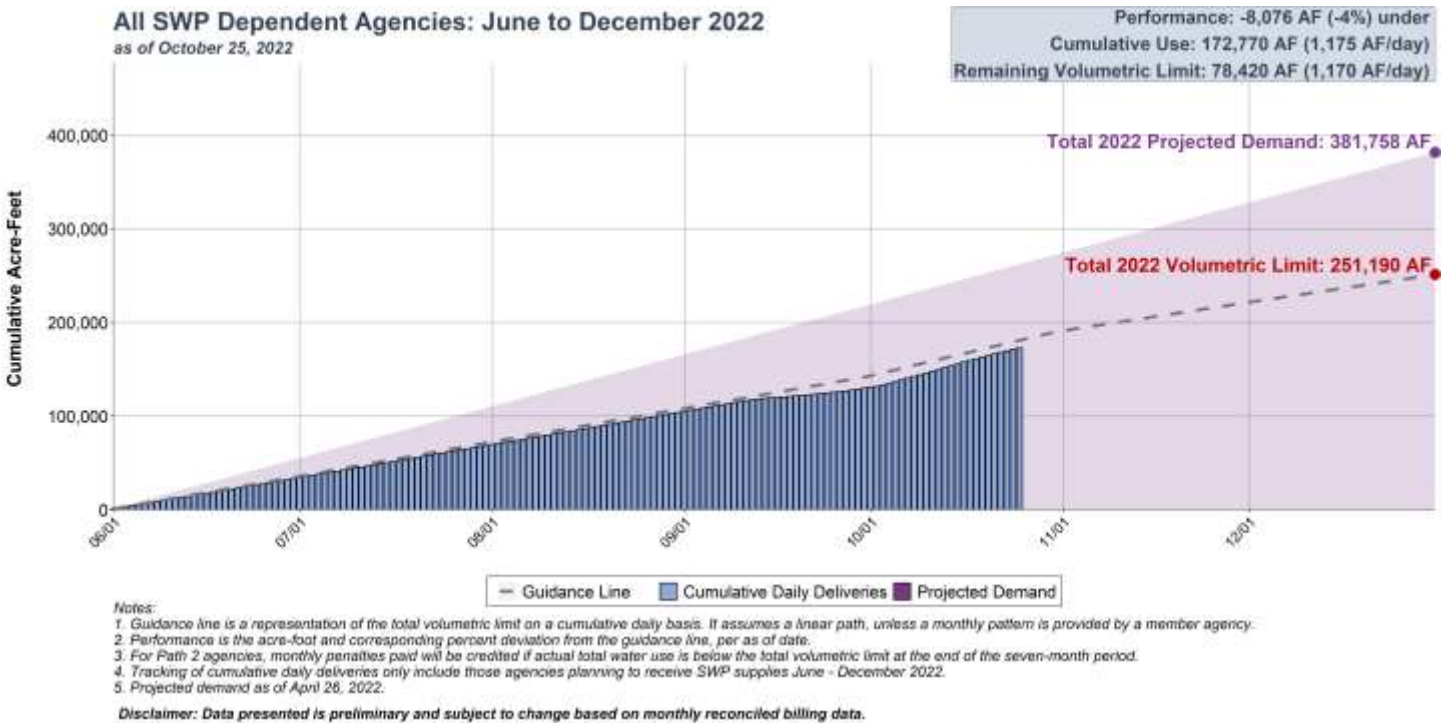
¹ Results from USBR's October 2022 Colorado River Mid-Term Modeling System (CRMMS) model run.

Cyclic Program Activity

CY	Starting Balance (AF)	CY Actions (AF)				Ending Balance (AF)
		Cyclic Pre-Delivery	Cyclic Cost-Offset Pre-Delivery	Total Pre-Delivery	Sale Out of Cyclic	
2019	51,000	147,000	19,000	166,000	91,000	126,000
2020	126,000	2,000	0	2,000	50,000	78,000
2021	78,000	0	0	0	28,000	50,000
2022 ¹	50,000	0	0	0	32,000	18,000

¹ Projected Cyclic program activity for the year. Subject to change.

Emergency Water Conservation Program Performance





Imported Water Committee

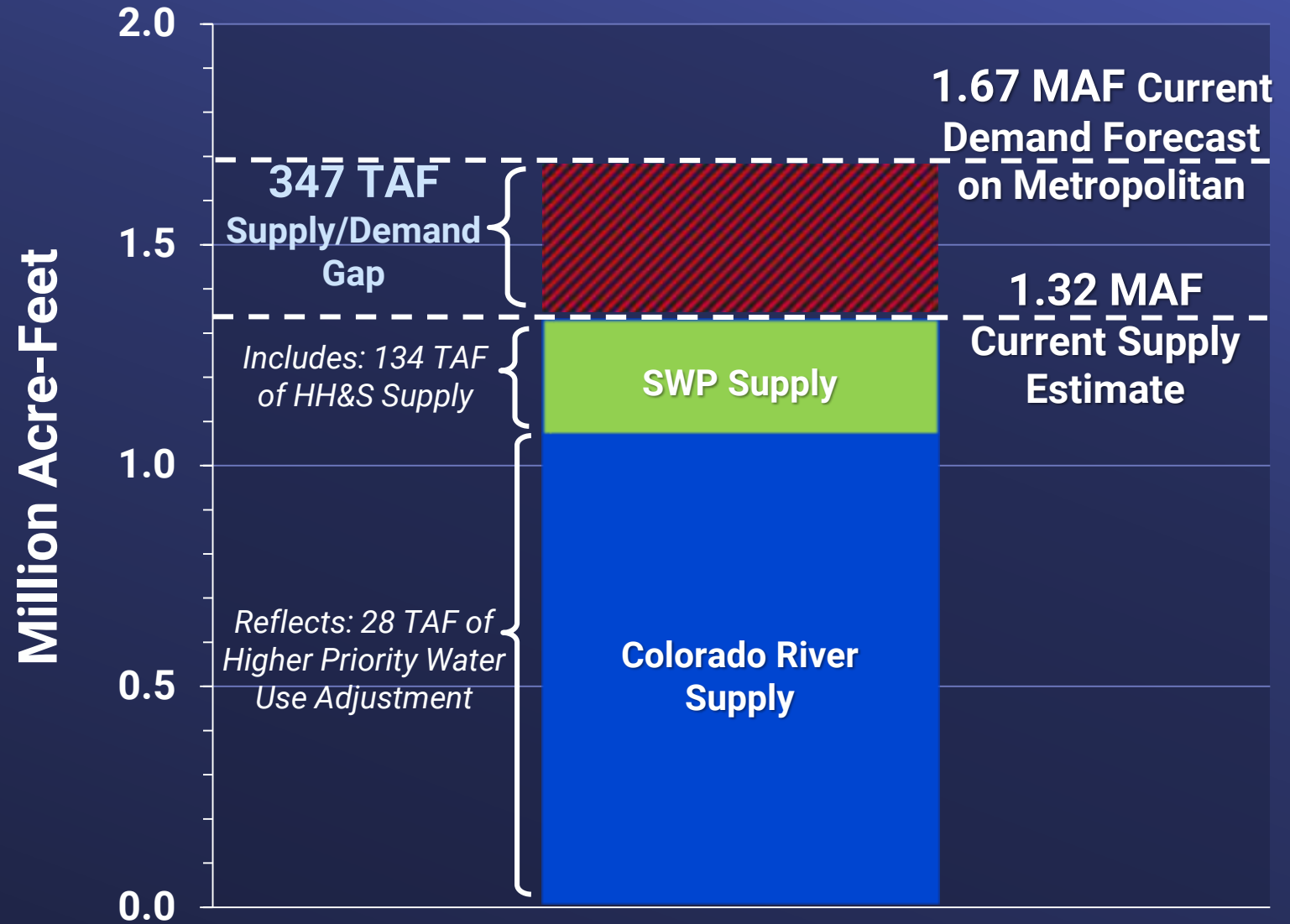
Update on WSDM and Water Shortage Emergency Condition

Item 6d
November 7, 2022

WSDM Update

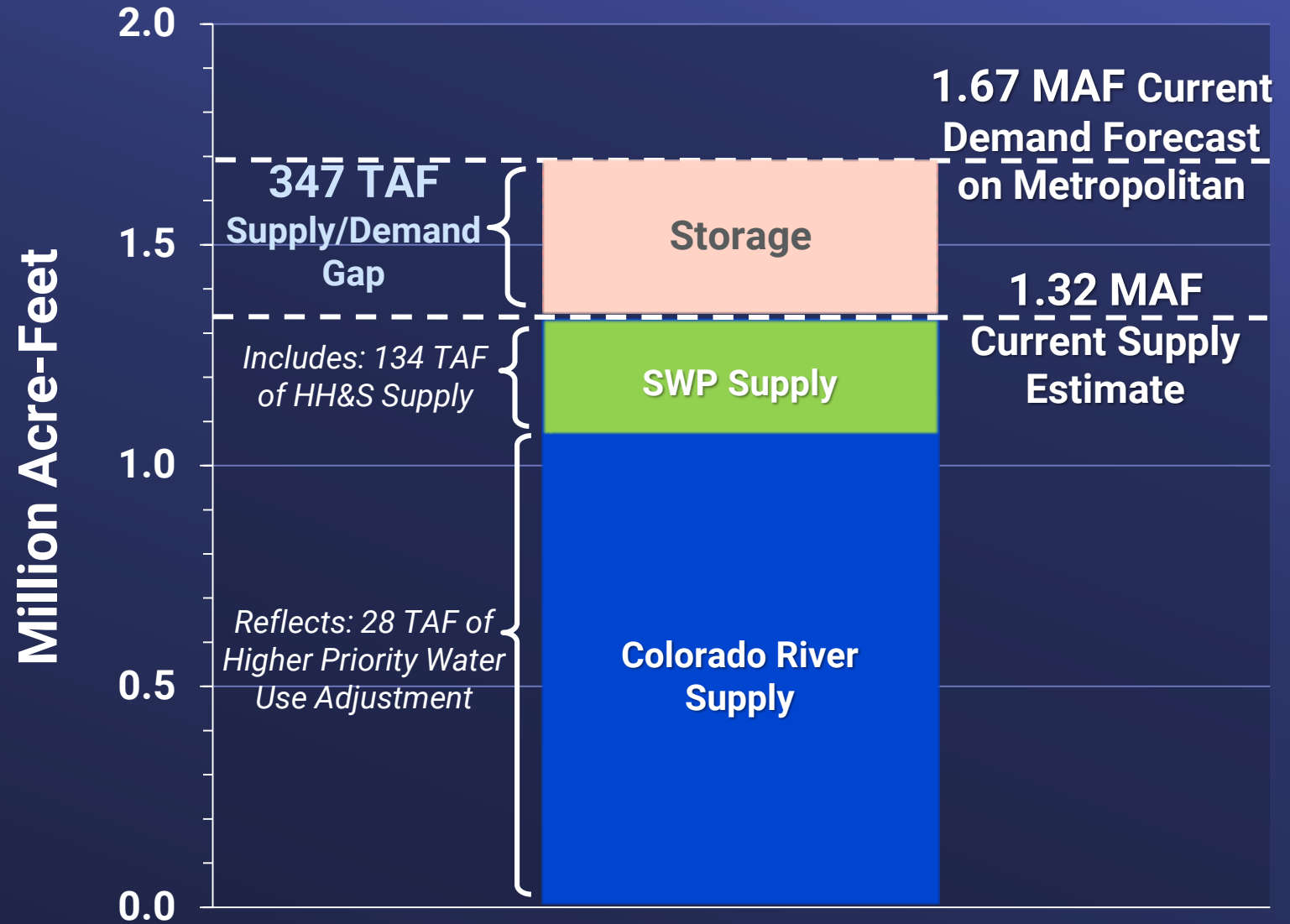
WSDM Supply Demand Balance

Regional View



WSDM Supply Demand Balance

Regional View



Emergency Water Conservation Program Update

Emergency Water Conservation Program

October Update

- October Path Compliance

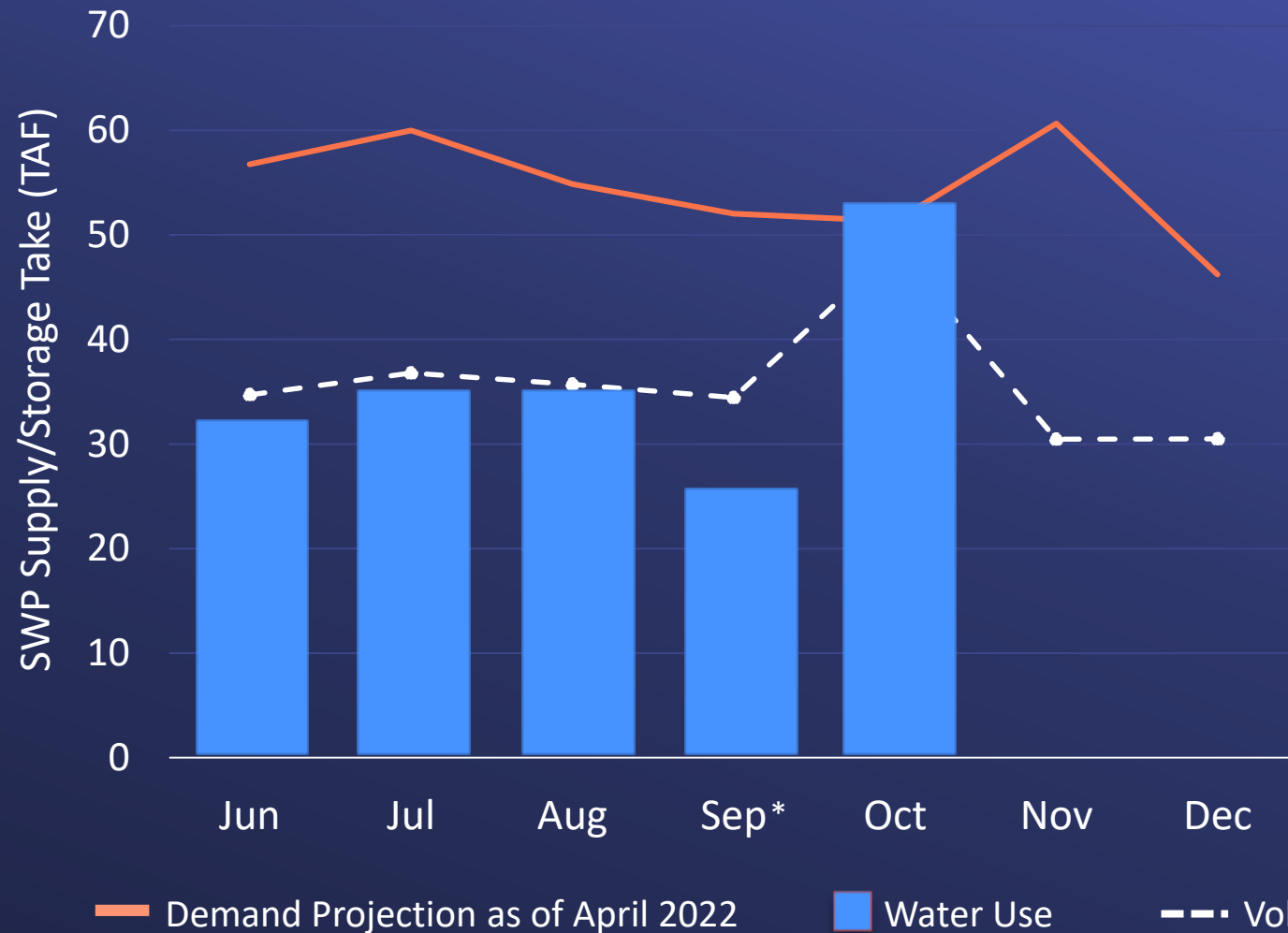
PATH 1	PATH 2
Las Virgenes MWD Three Valleys MWD Calleguas MWD*	City of Los Angeles Inland Empire Utilities Agency Upper San Gabriel Valley MWD

**5 of 19 Calleguas water purveyors are Path 2*

- No penalties issued for any Path 2 member agencies thus far
- Path 1 one-day-a-week watering continues through the end of the year

Emergency Water Conservation Program

SWP Dependent Area Monthly Demands on Metropolitan

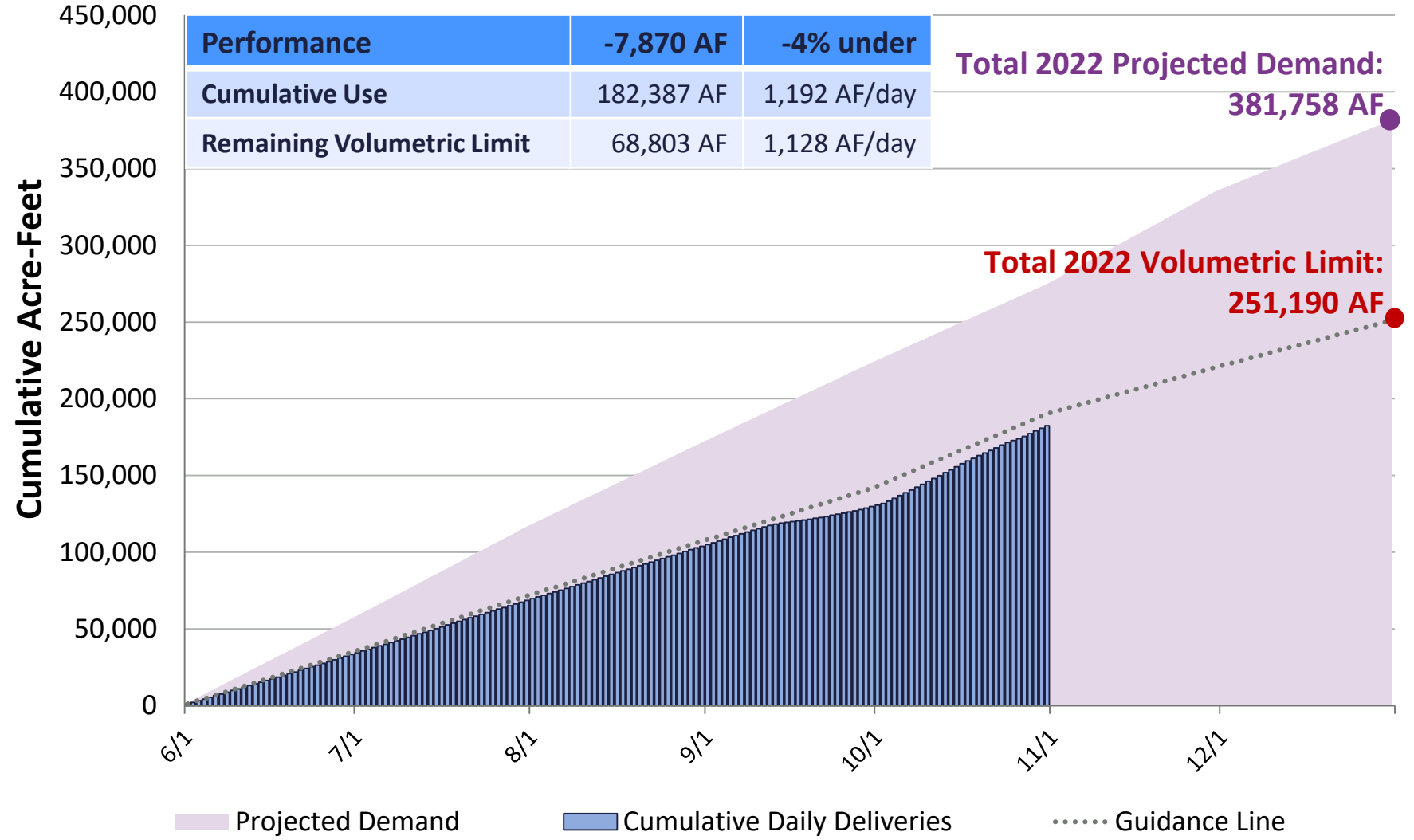


**Reduced demands in September stemmed from high turbidity in Castaic Lake and operational decisions by member agencies to reduce deliveries from Metropolitan*

All SWP Dependent Agencies Weekly Water Use Tracking

June to
December
2022

All SWP Dependent Agencies: June to December 2022 as of October 31

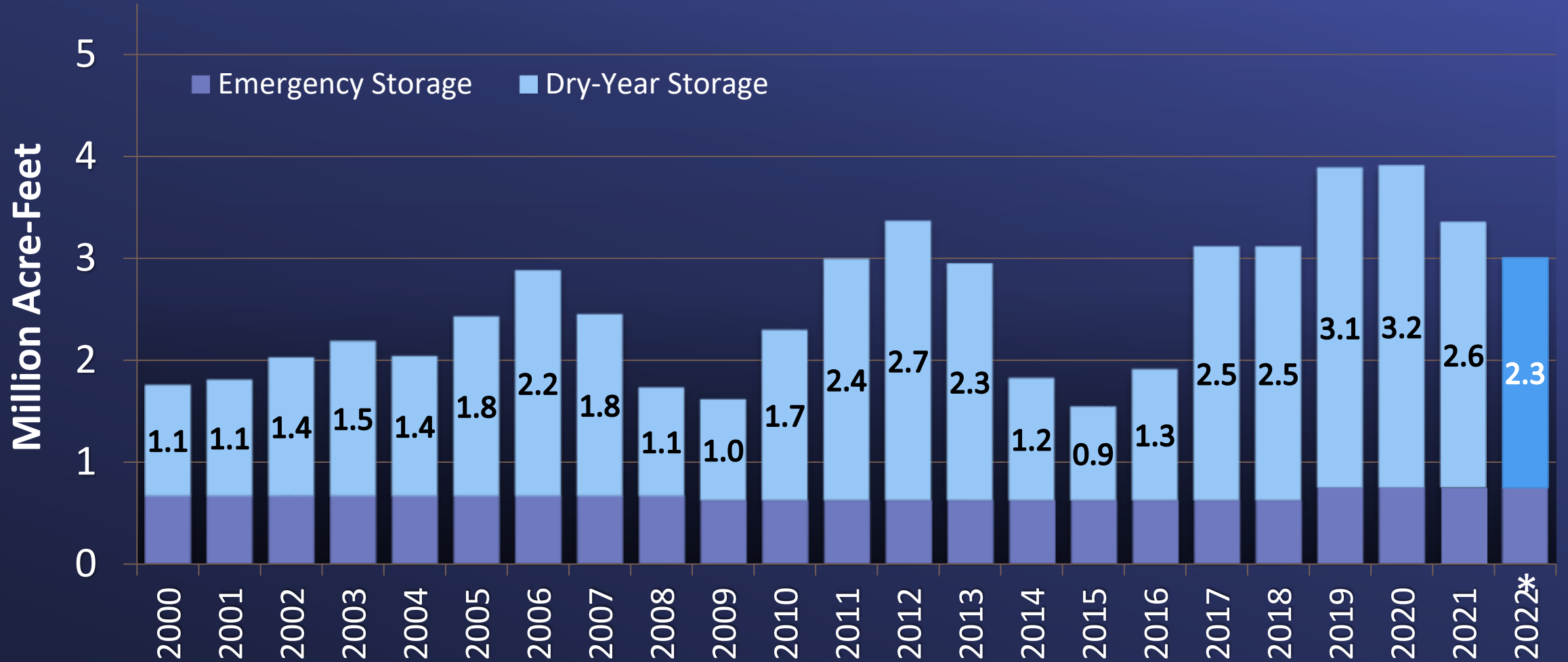


**Demand projection as of April 26, 2022*

Planning for Calendar Year 2023

2022 Storage Projected to be 2.3 MAF

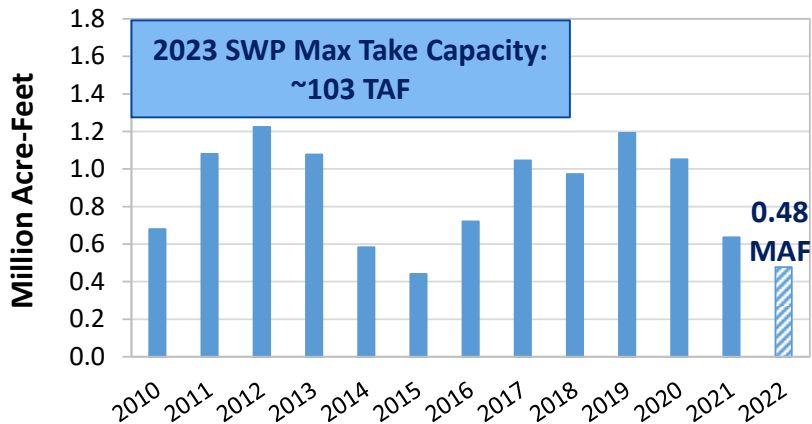
End of Year Balances



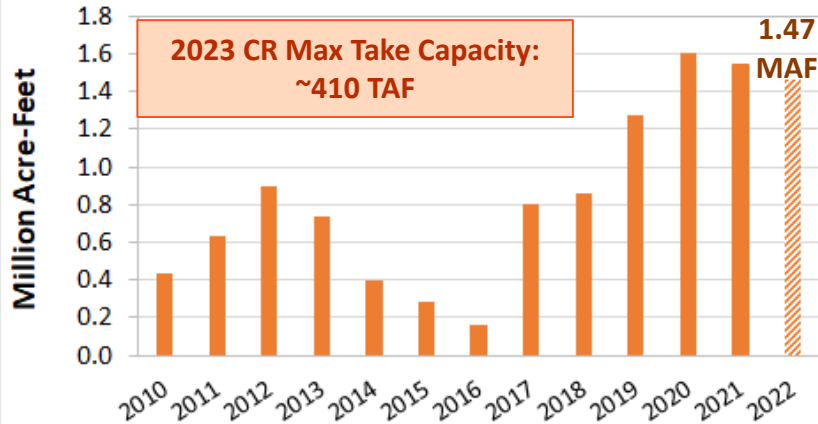
* Estimate – May change based on supply/demand conditions

End of Year Storage by Region

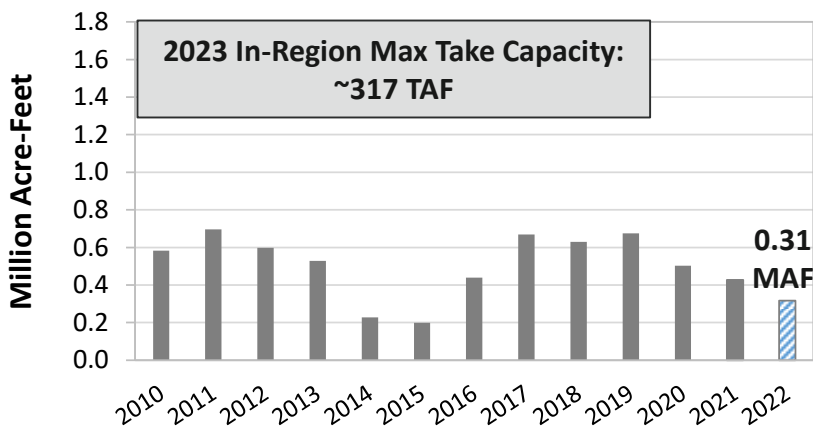
SWP End-of-CY Storage Level



CR End-of-CY Storage Level



In-Region End-of-CY Storage Level



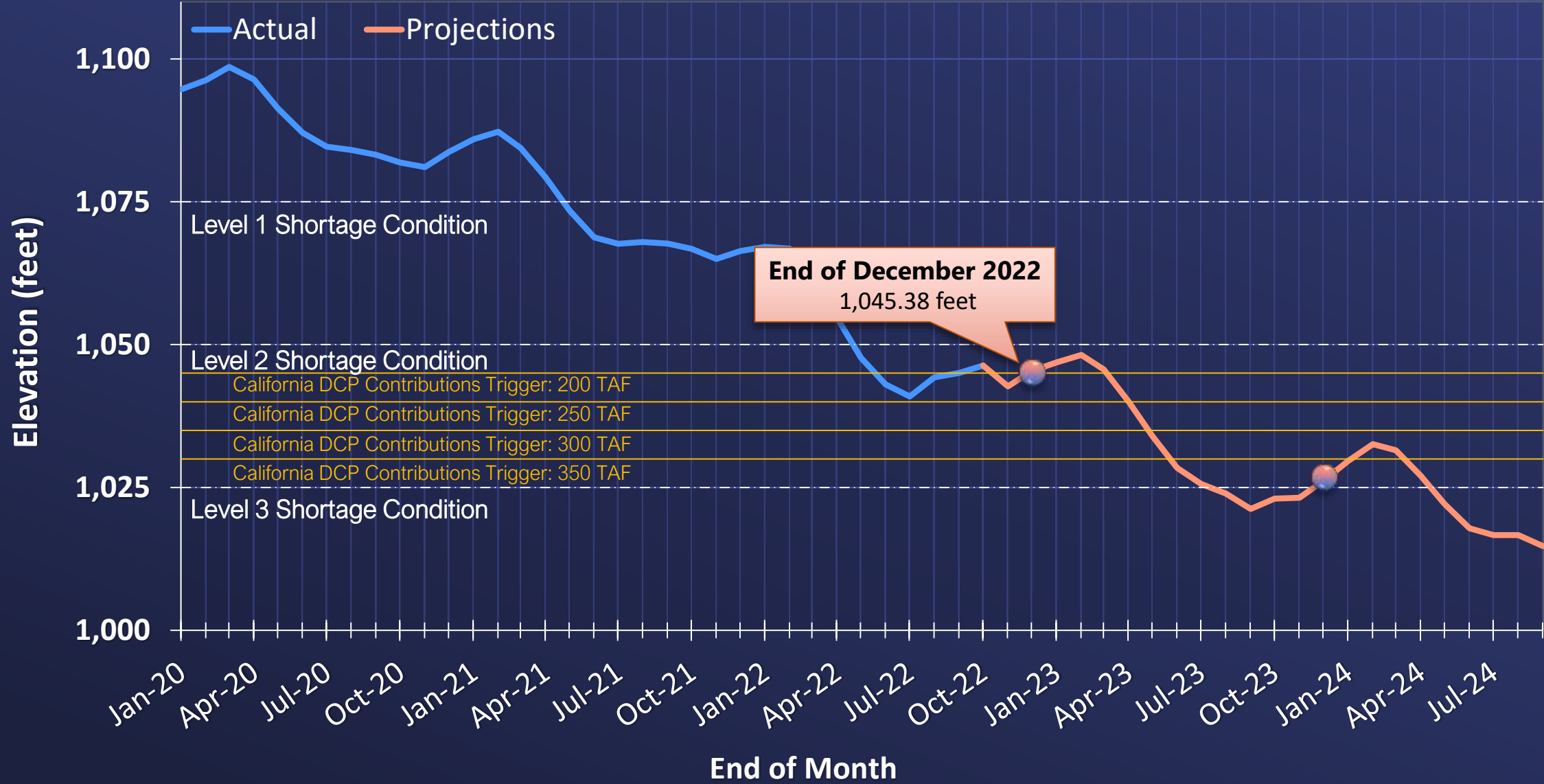
* Estimate for 2022. Does not include emergency storage.

Planning for 2023

Supply Outlook: State Water Project

- Anticipating a low initial State Water Project Table A allocation
- Limited Metropolitan SWP storage
 - Depleted flexible storage
 - Low SWP carryover storage
- Continued acute shortage of water supply to meet demands in the SWP Dependent Area

Potential DCP Contributions on the horizon



Planning for 2023

Supply Outlook: Colorado River

- Metropolitan will access ICS to meet future DCP contributions; additional use of ICS to meet service area demand remains uncertain
- Metropolitan is not planning for a full Colorado River Aqueduct for 2023 and beyond
- California has submitted a proposal to reduce Colorado River use by 400 TAF each year, beginning 2023 through 2026
- USBR evaluating options for delivery reductions for California, Arizona, and Nevada next year

Planning for 2023

December Board Topics

Update:

Potential adjustments to the SWP Dependent Area
Emergency Water Conservation Program (EWCP)
for 2023

Discussion:

Implementation of a regionwide Water Supply
Allocation Plan (WSAP) for 2023

Action:

Call for immediate voluntary outdoor water use
reductions and extraordinary conservation in
Blended and Colorado River Exclusive Areas

Planning for 2023

December Board Topics

Update:

Potential adjustments to the SWP Dependent Area
Emergency Water Conservation Program (EWCP)
for 2023

- Background
 - Water Shortage Emergency Condition declared for SWP Dependent Area (April 2022 Board Resolution)
 - Adopted framework for an EWCP (April 2022 Board Resolution)
- December 2022 Board Update
 - Potential adjustments to existing framework
 - New volumetric limits for 2023

Planning for 2023

December Board Topics

Discussion:

Implementation of a regionwide Water Supply Allocation Plan (WSAP) for 2023

- Background
 - WSAP is current Board policy for regionwide allocations
 - WSAP first adopted in 2008, then implemented in 2009, 2010, and 2015
- December 2022 Board Discussion
 - Begin discussion on regionwide WSAP determination and implementation for 2023

Planning for 2023

December Board Topics

Action:

Call for immediate voluntary outdoor water use reductions and extraordinary conservation in Blended and Colorado River Exclusive Areas

- Background
 - Regional Drought Emergency declared for entire service area (November 2021 Board Resolution)
 - Call for conservation under Executive Order N-7-22 (April Board Resolution)
- December 2022 Board Action
 - Reaffirm drought emergency condition for the service area and call for enhancement of voluntary conservation efforts

Planning for 2023

Key Takeaways: EWCP

- EWCP will continue in January 2023
- 2023 SWP water order, including Human Health and Safety supplies, submitted in October
- Continuing discussions with Member Agencies on EWCP supply allocation methodology
- New volumetric limits and potential compliance mechanisms to be presented in December 2022

Planning for 2023

Key Takeaways: Regionwide Conservation

- Agencies should consider preparing their governing bodies and communities for mandatory restrictions
- Agencies should implement enhanced voluntary conservation measures immediately to reduce water use in anticipation of mandatory 2023 WSAP
- Effective and timely voluntary conservation will mitigate the region's need for deeper mandatory cuts

Next Steps

- Receive initial 2023 SWP Allocation
- Continue coordination with Member Agencies
 - Potential adjustments to the EWCP framework
 - Regionwide Water Supply Allocation
- December Board Action and Resolution
- Report on two-year water supply outlook





Imported Water Committee

Report on California Proposal to Conserve Water for Lake Mead

Item 6e

November 7, 2022

California Voluntarily Offered to Reduce Colorado River Water by up to 400,000 Acre-Feet



October 5, 2022

Deputy Secretary of the Interior Tommy Beaudreau
Assistant Secretary for Water and Science Tanya Trujillo
U.S. Bureau of Reclamation Commissioner Camille Calimlim Touton

Dear Deputy Secretary Beaudreau, Assistant Secretary Trujillo, and Commissioner Touton:

Thank you for your leadership and collaboration as we work together to stabilize the Colorado River Basin amidst an unprecedented, climate change-driven drought stretching over two decades. Given dire drought conditions across the region and dangerously low reservoir levels, we firmly believe that all water users within the Basin must take immediate voluntary actions to stabilize water supplies in the Basin's major reservoirs.

California water agencies that utilize Colorado River water supplies propose to conserve up to an additional 400,000 acre-feet of water in Lake Mead each year, beginning in 2023 and running through 2026. This water, which would otherwise be used by California's communities and farms, will meaningfully contribute to stabilizing the Colorado River reservoir system.

We have identified a collection of proposed water conservation and water use reduction opportunities that would yield approximately 400,000 acre-feet of System Conservation water supplies that could be retained in Lake Mead each year through 2026. California's Colorado River water agencies are also prepared to create and store additional quantities of Intentionally Created Surplus water supplies in Lake Mead pursuant to the 2007 Interim Shortage Guidelines, under future favorable hydrologic and water supply conditions.

USBR Seeking Conservation Proposals

Biden-Harris Administration Announces New Steps for Drought Mitigation Funding from Inflation Reduction Act

New program will increase water conservation and water efficiency within the Colorado River Basin

Immediate
Need



Durable
Long-term
Solutions

Lower Basin System Conservation and Efficiency Program

Program 1a

Proposals Due: November 21, 2022

Process: Application

Price: \$330/AF – one-year
\$365/AF – two-years
\$400/AF – three-years

Program 1b

Proposals Due: November 21, 2022

Process: Request for Proposals

Price: By Proposer

California Agricultural Agencies are Developing Proposals

Proposals to create
system water are due
November 21

Imperial Irrigation
District

Proposal under development

Coachella Valley
Water District

Proposal under development

Bard Water District

Existing Seasonal Fallowing Program
Metropolitan Administration
Federal Payments

Palo Verde
Irrigation District

Use Capacity in Existing Fallowing Program
Supplemental Fallowing with Flexible Start
Federal Payments

PVID Concept Proposal

- MWD avoids making additional fallowing calls through 2026
- Supplemental fallowing funded under Federal program 1a., potentially exceeding existing cap
- Supplemental fallowing subject to same terms and conditions as existing fallowing program
- Fallowing does not count against MWD maximum fallowing call limitations
- MWD land may be fallowed at same level as offered to other landowners
- New water savings stays in Lake Mead

CA 400 Proposal Metropolitan Colorado River Supply Management

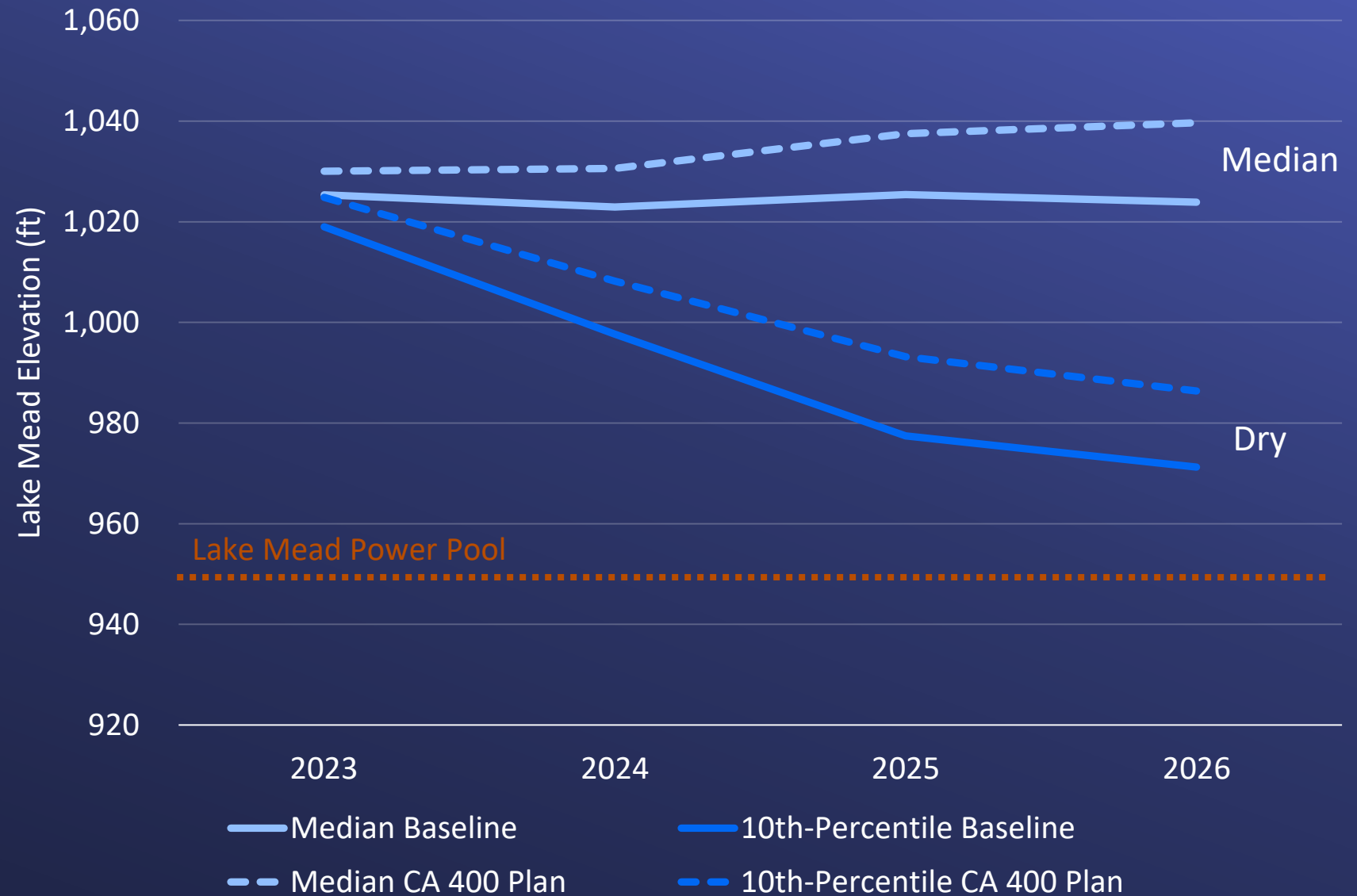
Goal: Avoid/Minimize Delivery of Intentionally Created Surplus

Assume: No additional following calls for Metropolitan use

Colorado River Aqueduct Supply Range:
900,000 – 1,000,000 Acre-feet

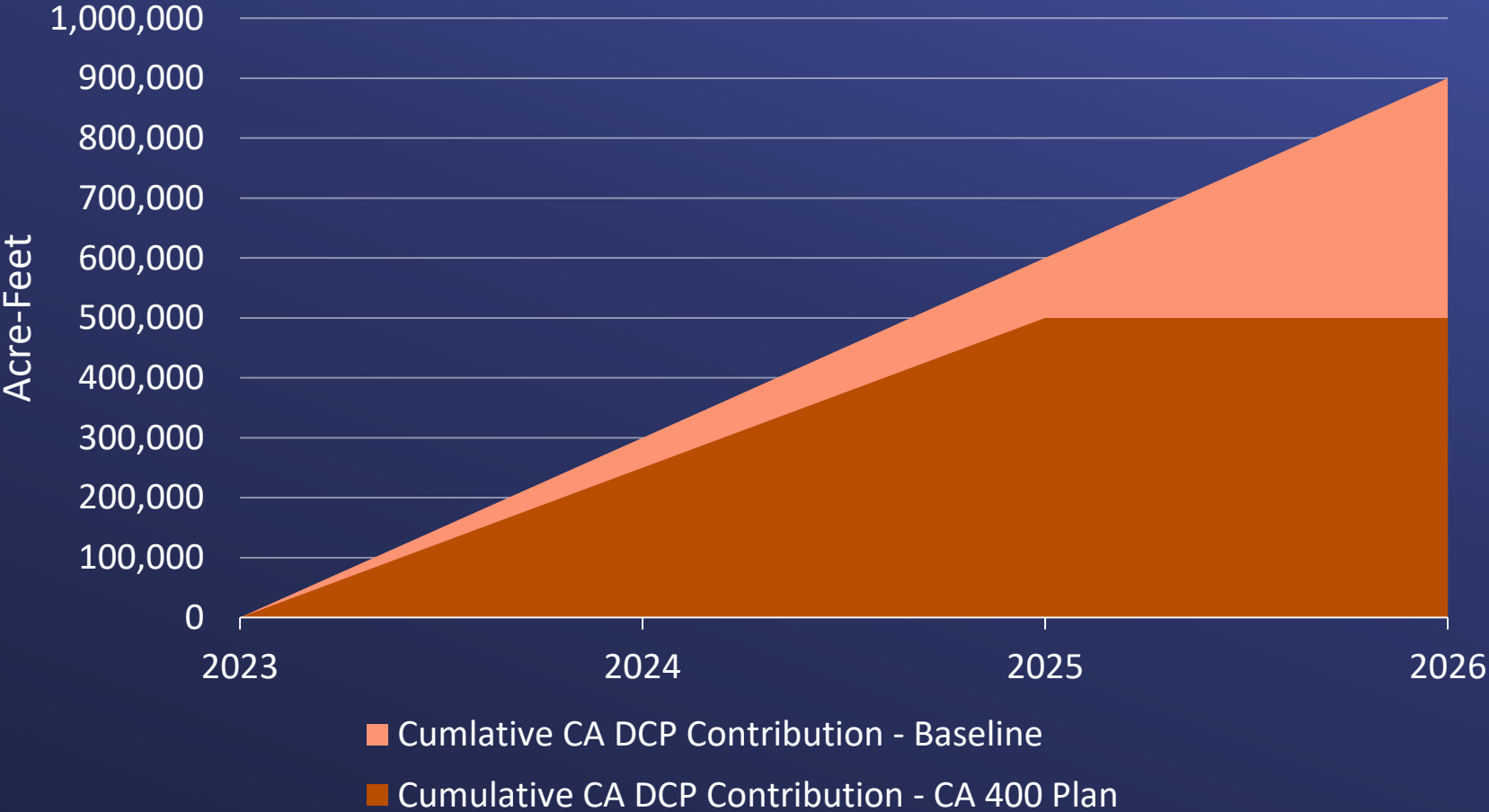
ICS available for unanticipated changes in supply

CA 400 Proposal Increases Lake Mead Elevations



CA 400 Proposal Decreases CA's Expected DCP Contributions

	2023	2024	2025	2026
Baseline	0	300,000	300,000	300,000
CA 400 Plan	0	250,000	250,000	0



Next Steps

1. Work with our partners to submit proposals by November 21
2. If approved by USBR, develop implementing agreements
3. Seek Board authorization in early 2023
4. Begin conservation activities through 2026





• Colorado River Management Report

Summary

This report provides a summary of activities related to management of Metropolitan's Colorado River resources for the month of October 2022.

Purpose

Informational

Detailed Report

Bard Water District and Quechan Tribe Seasonal Fallowing Field Trip

On October 4 and 5, General Manager Adel Hagekhalil and Director Gloria Cordero went to Yuma, Arizona to tour the Bard Water District and Quechan Tribe's lands to learn about their irrigation practices and see first-hand how monies from Metropolitan's programs are being used for system-wide efficiencies. Stops included visiting Tribal lands, Yuma Island, Imperial Dam, Senator Wash, and Laguna Dam to learn about water project operations and to talk with individual farmers who grow produce dependent on Colorado River Supplies. Both Bard Water District and the Quechan Tribe expressed interest in conserving additional water with funding provided by the Bureau of Reclamation (Reclamation) to stabilize Lake Mead. Metropolitan staff will work with these agencies to see if a proposal can be developed.

Colorado River Basin States Meeting with the Department of Interior and Reclamation

On October 20 and 21, the Colorado River Basin States met to discuss efforts to protect Lake Mead, including California's proposal to conserve up to an additional 400,000 acre-feet of water in Lake Mead each year from 2023-2026. Reclamation gave an updated overview of current hydrologic conditions, noting that if next year is critically dry, Reclamation needs additional tools to deal with the low reservoir levels, including options such as reduced releases from Glen Canyon Dam and additional Lower Basin shortages. They will be working with the Basin States as they develop these tools. Additionally, there was general discussion regarding the Department of Interior's September 22, 2022, announcement about its new Lower Colorado Conservation and Efficiency Program that is intended to provide new opportunities to fund system conservation and efficiencies in the Lower Colorado River Basin. Proposals for the first phase are due in November 2022, and Metropolitan is working with its partners on the Colorado River to explore what options might be available. Reclamation said that long-term savings programs, like turf removal and replacement programs, would be evaluated in phase 2 of the process.

Metropolitan Staff Participate in Colorado River Field Visit

From October 17-19, more than 20 of the newer Metropolitan employees saw firsthand how Metropolitan and its Colorado River partners develop and manage our water conservation programs. As part of a succession planning effort, many employees who have never visited the Colorado River but are managing some of our programs got a better understanding of the challenges we face in keeping these programs productive. The trip included discussions with staff from Imperial Irrigation District, Palo Verde Irrigation District, Bard Water District, the Quechan Tribe, and Coachella Valley Water District. The trip provided a valuable opportunity to interact and learn from our partners and senior staff that work on the Colorado River.



Imported Water Committee

Update on 2007 Interim Guidelines Supplemental Environmental Impact Statement

Item 7a

November 7, 2022

2007 Interim Guidelines SEIS

Rules for Operation of Lake Powell & Lake Mead

Under the Boulder Canyon
Project Act, the Secretary of
the Interior is the River
Master in the Lower Basin

2007 Interim Guidelines

- Defined coordinated operation of Lake Powell and Lake Mead;
- Determined when Shortages would be taken in the Lower Division States;
- Established Intentionally Created Surplus storage in Lake Mead

2007 Interim Guidelines SEIS

U.S. Bureau of Reclamation Announcement

Notice of Intent to prepare a
Supplemental Environmental
Impact Statement (SEIS)

2007 Interim Guidelines Revisions

Possible changes to operations of Glen Canyon and Hoover Dams in 2023-24 to address impacts of low runoff conditions that pose unacceptable risks to operations of dams.

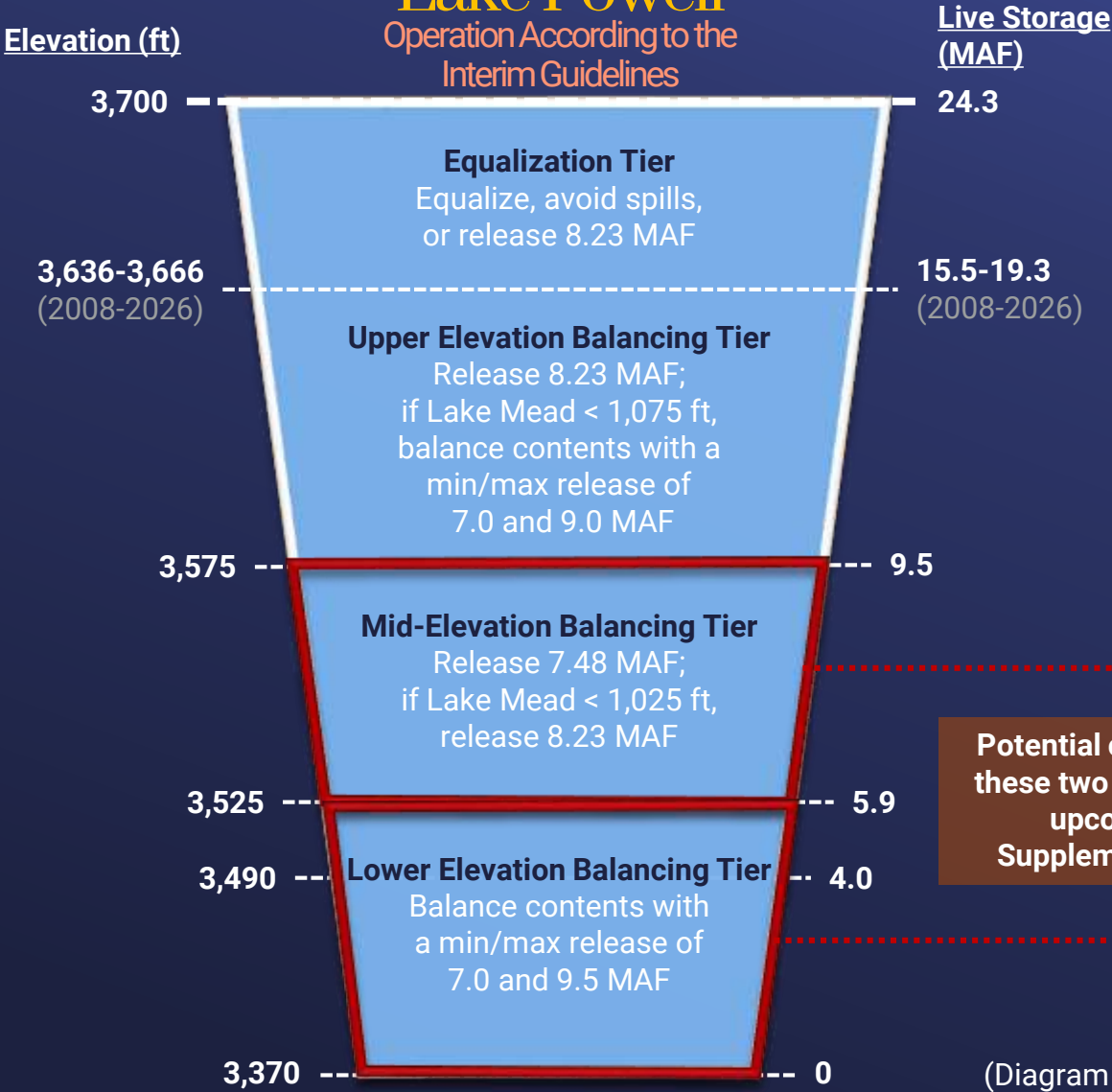
Revisions may include:

- Reduced annual releases from Glen Canyon Dam;
- Changes to shortages and decrease in quantity of water for Arizona, Nevada, and California.

Coordinated Reservoir Operations

Lake Powell

Operation According to the Interim Guidelines



Potential changes to these two tiers in the upcoming Supplemental EIS

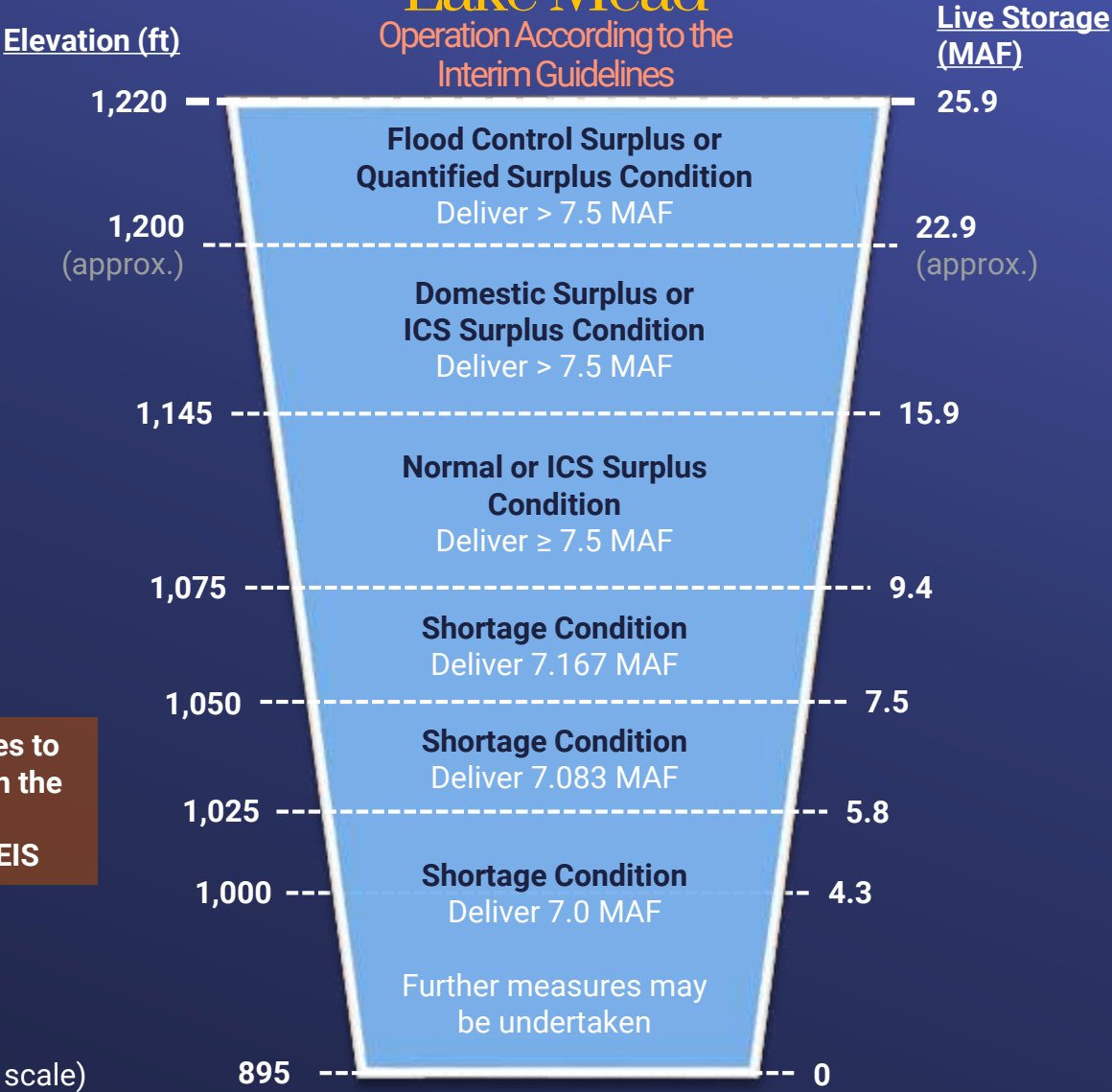
(Diagram not to scale)

Imported Water Committee

November 7, 2022

Lake Mead

Operation According to the Interim Guidelines



Item # 7a Slide 4

2007 Interim Guidelines SEIS

Anticipated Alternatives

Public comments on scoping
due December 20, 2022

Three Primary Alternatives

- **Framework Agreement** – consensus based actions that build on states, tribes, and NGO's commitments in 2019 Drought Contingency Plan
- **Reservoir Operations** – Reclamation alternative to mitigate risks to Colorado River System reservoirs if consensus alternative isn't reached or is insufficient
- **No Action Alternative**





● Bay-Delta Management Report

Summary

This report provides a summary of activities related to the Bay-Delta for October 2022.

Purpose

Informational

Detailed Report

Long-Term Delta Actions

Delta Conveyance

The California Department of Water Resources (DWR) released the public Draft Environmental Impact Report (EIR) under the California Environmental Quality Act for the Delta Conveyance Project (DCP) on July 27, 2022. The Draft EIR describes project alternatives, potential environmental impacts, and identifies mitigation measures to help avoid or minimize potentially significant impacts. The public review and comment period for the Draft EIR was extended from October 27 to December 16, 2022.

The U.S. Army Corps of Engineers, as part of its permitting review under the Clean Water Act and Rivers and Harbors Act, is preparing an Environmental Impact Statement (EIS) to comply with the National Environmental Policy Act, and is planning to release the draft EIS for public review later this year.

Joint Powers Authorities

During the regularly scheduled Board of Directors Meeting on October 20, 2022, the Delta Conveyance Design and Construction Authority (DCA) Board of Directors approved a resolution to adopt a policy to prevent discrimination, harassment, and retaliation for all employees, applicants, volunteers, and independent contractors working for and with the DCA. The DCA Board also approved to extend a resolution authorizing virtual Board and Committee meetings pursuant to AB 361.

The Delta Conveyance Finance Authority (DCFA) received the audited financial statements for fiscal year 2021/22 at the regularly scheduled DCFA meeting on October 20, 2022.

Sites Reservoir

At their October meetings, the Sites Project Authority Board and the Sites Reservoir Committee approved a resolution commending Senator Nielsen for his dedicated service as a State Legislator and his ongoing support for the Sites Reservoir Project.

Near-Term Delta Actions

Regulatory Activities

Staff continued to participate in the collaborative groups called for in the 2019 Biological Opinions for the State Water Project (SWP) and Central Valley Project, and in the 2020 Incidental Take Permit (ITP) for long-term operation of the SWP, to address science needs and inform management and operation of the water projects. As part of the ITP requirement to investigate alternatives for non-physical barriers at Sutter and Steamboat Sloughs on the Sacramento River, staff provided input to the resource and regulating agencies regarding the key factors that should be considered in the investigation of alternatives for non-physical barriers to keep fish out of the central Delta where they appear to suffer higher mortality.

Board Report (Bay-Delta Management Report)

Delta Island Activities

Metropolitan is working with Reclamation Districts (RD) #756 – Bouldin Island, RD #2025 – Holland Tract, RD #2026 – Webb Tract, and RD #2028 – Bacon Island to complete installation of up to 88 magnetic flow meters on the most commonly used siphons to measure and report diversions consistent with SB 88 – Water Diversion Measurement Compliance. During 2022, twenty-five meters have been installed as part of Phase 4 of the metering installation program. In addition, telemetry, battery solar panel support and communication devices will be installed by November 2022. It is anticipated that the meter installation will be completed within budget and ahead of the Phase 4 completion date of December 2023. Staff is working with the RD engineering firm to evaluate installation of the remaining meters (Phase 5) on smaller and less used siphons on Metropolitan's Delta Islands.

On October 18, staff conducted a tour of Bouldin Island and Webb Tract for Delta Stewardship Council and Delta Science Program staff. The tour featured several activities including levee security, sustainable agriculture, research supporting listed species, and community engagement. Discussions at the tour highlighted opportunities for collaboration on science and the Delta Islands Adaptation Project addressing landscape-scale scenario planning.

Science Activities

Staff continued participating in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative Adaptive Management Team (CAMT). In October, the CAMT and CSAMP Policy Group meetings focused on the Delta smelt Structured Decision Making Project, including the status of modeling different alternative Delta smelt management actions, the attributes of the Delta smelt population models used for the evaluations, and the next steps.

Senior Resource Specialist Dr. Shawn Acuña co-authored a scientific paper reporting on results from a study evaluating the bioavailability of pesticides in juvenile Chinook salmon habitat in the Sacramento River watershed. The study was funded by a Prop 1 grant with cost-share from Metropolitan. The paper is published in the journal *Environmental Pollution* and is titled “Dietary exposure to environmentally relevant pesticide mixtures impairs swimming performance and lipid homeostatic gene expression in Juvenile Chinook salmon at elevated water temperatures.” The published study found that Chinook salmon exposed to contaminants found in floodplain habitats exhibited dysregulated metabolic processes and reduced swimming behavior with elevated temperature. Results suggest that floodplain habitats being developed to support salmon may need to account for contaminant effects, especially at higher temperatures.

Dr. Acuña also co-authored a paper published in the *San Francisco Estuary & Watershed Science* journal titled “[Estuarine Recruitment of Longfin Smelt \(*Spirinchus thaleichthys*\) North of the San Francisco Estuary](https://escholarship.org/doi/10.1111/sfse.12444)” (escholarship.org). The study was funded by the State Water Contractors and Metropolitan, and it included conducting surveys during 2019 and 2020 in ocean tributaries north of the San Francisco Estuary in Northern California to look for longfin smelt larvae. Longfin smelt larvae were detected in four of 16 estuaries surveyed that were all large estuaries north of Cape Mendocino, and larvae were not detected in smaller estuaries closer to San Francisco Bay. The survey results confirm historic surveys detecting the presence of longfin smelt and confirming that the smaller estuaries are used actively but intermittently by longfin smelt.

In October, staff participated in the Science for Communities Workshop and the Advancing Interdisciplinary Science Training and Workshop organized by the Delta Stewardship Council and Delta Science Program. The objective of the workshops was to build relationships between collaborative science groups, Delta communities, and social science communities of practice to improve research, access to environmental data, community value, and decision making.

Board Report (Bay-Delta Management Report)

Metropolitan Bay Delta Conservation Plan/California WaterFix and EcoRestore/Delta Conveyance Project (BDCP/CWF-CER/DCP) Expenditures

The following is a summary of Metropolitan's cumulative BDCP/CWF-CER/DCP expenditures updated for the quarter ending September 2022. This report includes the total internal costs related to the BDCP, the CWF-CER alternatives and the subsequent DCP efforts with the state administration.

Staff will continue to provide this report on a quarterly basis in the Bay Delta Management Report.

Total (July 2005 – September 2022)

BDCP/CWF-CER/DCP Internal MWD	Total Costs (17.25 yrs.)
Labor & Benefits ⁽¹⁾	\$ 36.96M
Professional Services	\$ 7.13M
Travel	\$ 1.79M
Other ⁽²⁾	\$ 0.18M
SUBTOTAL	\$ 46.06M
Administrative Overhead	\$ 13.43M
TOTAL	\$ 59.49M

⁽¹⁾ Labor costs include salary, leave and non-leave benefits

⁽²⁾ Other includes charges for materials and supplies, trainings & seminars, conferences & meetings, reprographics, and other incidental expenses

Quarterly Summary (October 2021 – September 2022)

	FY21-22 Q2	FY21-22 Q3	FY21-22 Q4	FY22-23 Q1
	Oct-Dec 2021	Jan-Mar 2022	Apr-Jun 2022	Jul-Sep 2022
Labor	0.286M	0.244M	0.272M	0.283M
Professional Services	0.009M	0.045M	0.001M	0.000M
Travel	0.000M	0.000M	0.000M	0.002M
Other	0.000M	0.000M	0.000M	0.000M
SUB-TOTAL	0.295M	0.289M	0.273M	0.285M
Admin. Overhead	0.100M	0.086M	0.091M	0.062M
TOTAL	0.395M	0.375M	0.364M	0.347M

The following is a summary of the DCFA costs for member's share of administrative expenses:

Quarterly Summary (October 2021 – September 2022)

	FY21-22 Q2	FY21-22 Q3	FY21-22 Q4	FY22-23 Q1
	Oct-Dec 2021	Jan-Mar 2022	Apr-Jun 2022	Jul-Sep 2022
TOTAL	0.002M	0.003M	0.002M	0.002M



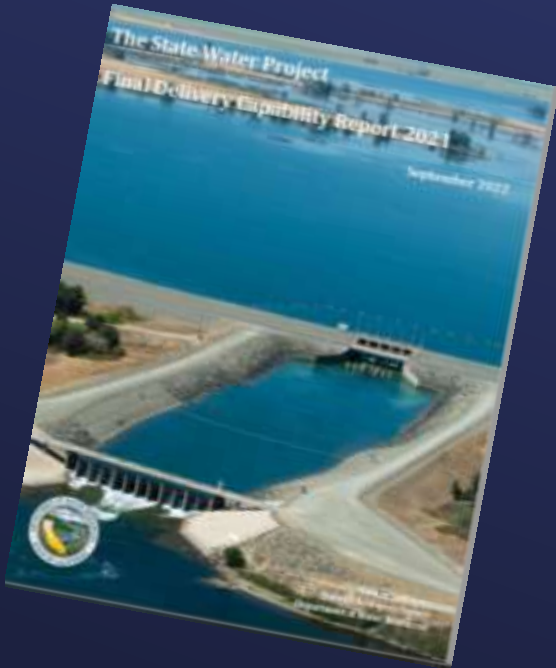
Imported Water Committee

Water Resource Management Manager's Report

Item 7c

November 7, 2022

State Water Project Update

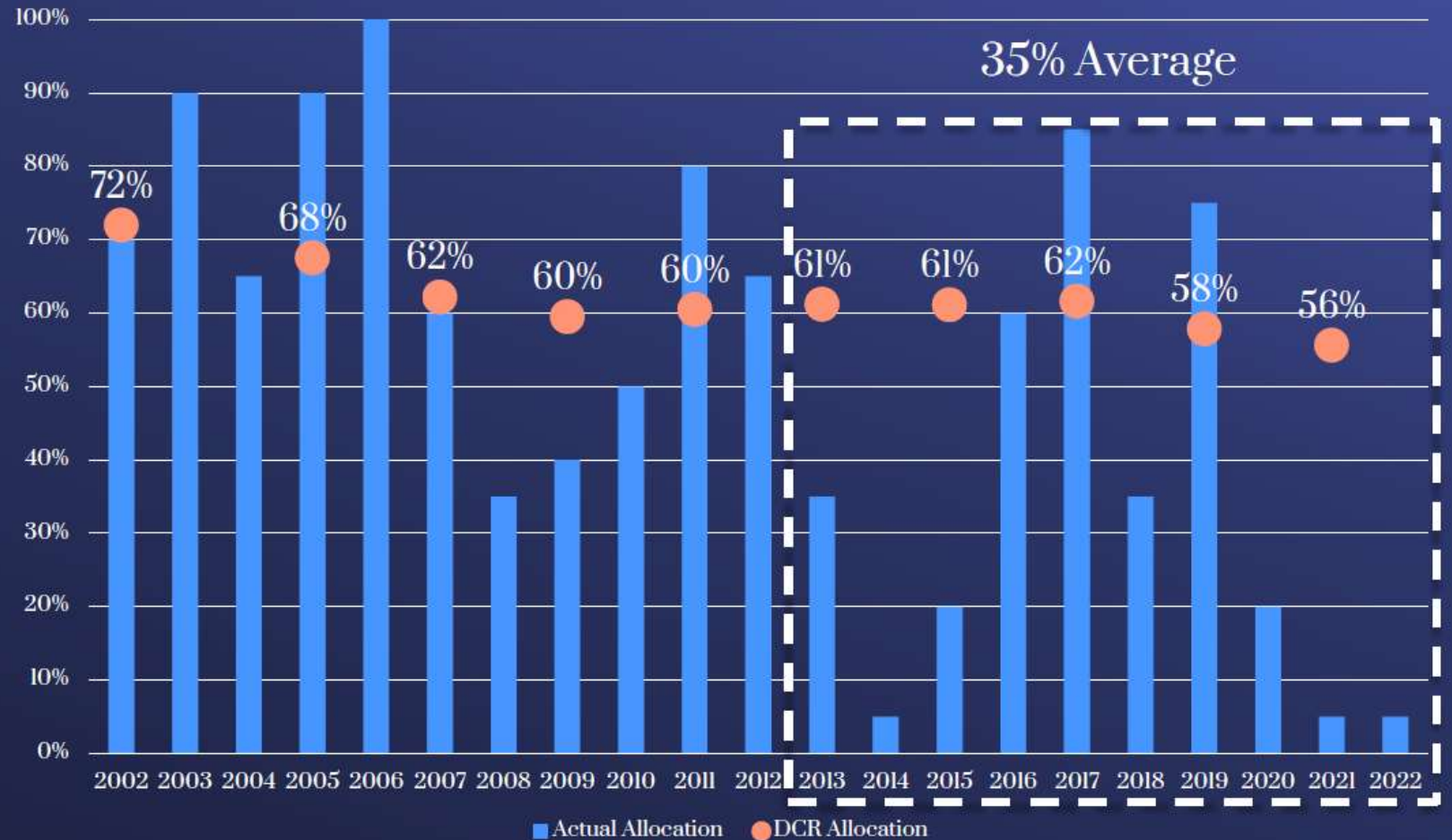


2021 Delivery Capability Report Finalized

- Required under the Monterey Agreement
- Models SWP deliveries under existing
- conditions
- Used for water supply planning
- 2021 DCR uses updated model and longer hydrologic record (1922 – 2015 vs. 1922-2003)

Modeled
Average
Capability of
SWP is
Declining

State Water Project Delivery Capability Report and Allocations



New
Analysis
Uses More
Recent
Hydrology

Estimated Average and Dry-Period Deliveries (SWP Allocation, %)

