THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MWD MEETING AGENDA

**WP&S Committee**

R. Atwater, Chair
C. Kurtz, Vice Chair
J. Abdo
L. Ackerman
G. Cordero
D. De Jesus
L. Dick
S. Goldberg
R. Lefevre
M. Luna
J. Morris
M. Petersen
G. Peterson
B. Pressman
R. Record

## Water Planning and Stewardship Committee

Meeting with Board of Directors *

**January 10, 2022**

**12:00 p.m.**

| Monday, January 10, 2022 Meeting Schedule |
|---|
| 09:00 a.m. - C&L |
| 10:00 a.m. - E&O |
| 11:30 a.m. - Break |
| 12:00 p.m. - WP&S |
| 01:30 p.m. - RP&AM |

**Teleconference meetings will continue through the end of the year. Live streaming is available for all board and committee meetings on mwdh2o.com (Click Here)**

**A listen only phone line is also available at 1-800-603-9516; enter code: 2176868#. Members of the public may present their comments to the Board on matters within their jurisdiction as listed on the agenda via teleconference only. To participate call (404) 400-0335 and enter Code: 9601962.**

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* 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 the Meeting of the Water Planning and Stewardship Committee held December 13, 2021 **21-772**

**Attachments**: 01102022 WPS 2A Minutes.pdf

## 3. CONSENT CALENDAR ITEMS - ACTION

**7-6** Authorize modifications to the On-Site Retrofit Program; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA **21-664**

**Attachments:** 01112022 WPS 7-6 B-L.pdf
01102022 WPS 7-6 Presentation.pdf

**7-7** Authorize a three-year agreement for Inspection and Verification Services for Conservation Programs with WaterWise Consulting, Inc.; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA **21-750**

**Attachments:** 01112022 WPS 7-7- B-L.pdf
01102022 WPS 7-7 Presentation.pdf

**7-8** Authorize: (1) renewal of the Municipal Water Quality Investigations Agreement between the Department of Water Resources, the State Water Contractors and participating urban State Water Project Contractors; and (2) renewal of the Municipal Water Quality Investigations Program Specific Project Agreement between the State Water Contractors and participating urban State Water Project Contractors; the General Manager has determined that the proposed actions are exempt or otherwise not subject to CEQA **21-749**

**Attachments:** 01112022 WPS 7-8- B-L.pdf
01102022 WPS 7-8 Presentation.pdf

**7-9** Approve Agreement for Temporary Emergency Delivery of a Portion of the Mexican Treaty Waters of the Colorado River to the International Boundary in the Vicinity of Tijuana, Baja California, Mexico, and for Operation of Facilities in the United States; the General Manager determined that the proposed action is exempt or otherwise not subject to CEQA **21-748**

**Attachments:** 01112022 WPS 7-9 B-L.pdf
01102022 WPS 7-9 Presentation.pdf

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

## 4. OTHER BOARD ITEMS - ACTION

None

## 5. BOARD INFORMATION ITEMS

None

## 6. COMMITTEE ITEMS

**a.** Oral update on Water Supply and Drought Management **21-773**

**Attachments**: 01102022 WPS 6a Report.pdf
01102022 WPS 6a Presentation.pdf

## 7. MANAGEMENT REPORTS

**a.** Colorado River Management Report **21-776**

**Attachments**: 01102022 WPS 7a Report.pdf

**b.** Water Resource Management Manager's Report **21-775**

**Attachments**: 01102022 WPS 7b Presentation.pdf

## 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**

**WATER PLANNING AND STEWARDSHIP COMMITTEE**

**December 13, 2021**

Chair Atwater called the teleconference meeting to order at 12:15p.m.

Members present: Chair Atwater, Vice Chair Kurtz, Directors Abdo, Ackerman, Cordero, De Jesus, Dick, Lefevre, Petersen, Pressman, and Record.

Members absent: Directors Goldberg, Luna, Morris, Peterson.

Other Board Members present: Blois, Erdman, Faessel, Fellow, Fong-Sakai, Jung, McCoy, Miller, Quinn, Ramos, Smith, Tamaribuchi and Williams.

Committee staff present: Coffey, Hasencamp, Hagekhalil, Munguia, Schlotterbeck, and Upadhyay

**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))**

Chair Atwater announced how public comments for this meeting would be heard. He explained that Public Hearing comments would precede public comments for regular business of this committee.

Chair Atwater provided background information and he introduced Mr. Carlos Carrillo, Associate Resource Specialist, Water Resource Management.

**1a** Public Hearing for Achievements in Conservation, Recycling and Groundwater Recharge

Mr. Carrillo provided a brief overview of today's Public Hearing and gave a presentation summarizing the Draft Report that, when finalized, will be submitted to the state legislature, as required by Metropolitan's Act.

Public Hearing Speakers included:

1. Jack Simes, Acting Area Manager – USBR Southern California Area Office. Mr. Simes spoke in support of Metropolitan's conservation efforts.

2. Alex Zaragoza, Cross Connection Specialist – Rowland Water District and Three Valleys Municipal Water District. Mr. Zaragoza spoke in support of Metrpolitan's On-Site Retrofit Program.

3. Lucie McGovern, Public Works Director – City of Camarillo North Pleasant Valley Groundwater Desalter. Ms. McGovern spoke in support of Metropolitan's Local Resource Program.

4. David Silva, Water Certification Program Manager – California Landscape Contractors Association. Mr. Silva spoke in support of Metropolitan's Qualified Water Efficient Landscaper Program.

5. Cora Kammeyer, Senior Researcher – Pacific Institute. Ms. Kammeyer spoke in support of Metropolitan's Water Savings Incentive Program.

6. Jennifer West, Managing Director – WateReuse California. Ms. West provided general comments of support for Metropolitan's conservation efforts.

Chair Atwater announced that the Public Hearing was closed and moved to regular public comment. No speakers for regular public comment.

Chair Atwater announced we would move on to the Consent Calendar.

**CONSENT CALENDAR ITEMS – ACTION**

**2. CONSENT CALENDAR OTHER ITEM – ACTION**

A. Approval of the Minutes of the Water Planning and Stewardship Committee held November 8, 2021

**3. CONSENT CALENDAR ITEM – ACTION**

**7-4** Subject: Authorize the General Manager to enter into a Memorandum of Understanding to facilitate near-term actions to maintain the elevation of water in Lake Mead above elevation 1,020 feet, and to provide up to 20 percent of the non-federal cost share of any such actions, not to exceed $10 million per year in 2022 and 2023, and delegate authority to the General Manager to enter into additional agreements as needed to implement the Memorandum of Understanding; the General Manager determined that the proposed actions are exempt or otherwise not subject to CEQA.

Presented by: Shanti Rossett, Program Manager II, Office of the General Manager

Motion: Authorize the General Manager to enter into the 500+ Plan MOU to facilitate near-term actions necessary to maintain the elevation of water in Lake Mead above elevation 1,020 feet and to provide up to 20 percent of the non-federal cost share of any such actions, not to exceed $10 million per year in 2022 and 2023, and delegate authority to the General Manager to enter into additional agreements as needed to implement the MOU

Ms. Rossett gave a presentation on a proposed Memorandum of Understanding (MOU) with three lower Colorado River basin states known as the “500+ Plan MOU” to keep Lake Mead above elevation. The 500+ Plan MOU is a commitment by water managers in Arizona, Nevada, and California to facilitate actions that could add 500,000 acre-feet (AF) of water to Lake Mead in both 2022 and 2023.

The following Directors provided comments or asked questions:

1. Lefevre
2. Atwater
3. Smith
4. Miller
5. Pressman

General Manager, Hagekhalil provided additional comments.

**7-5** Subject: Authorize the General Manager to enter into agreements with San Bernardino Valley Municipal Water District and the California Department of Water Resources to improve the management of State Water Project supplies, including the exchange of water; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA.

Presented by: James D. Bodnar, Program Manager, Water Resource Management

Motion: Authorize the General Manager to execute agreements with San Bernardino Valley Municipal Water District and the Department of Water Resources consistent with the key terms outlined herein and in the letter, and in a form approved by the General Counsel

Mr. Bodnar provided a presentation on the proposed agreements with San Bernardino Valley Municipal Water District (Valley District) and the California Department of Water Resources (DWR) to enhance Metropolitan's capability of delivering supplies to areas dependent on State Water Project (SWP) supplies. This is in response to the current drought conditions on the State Water Project side of Metropolitan's system.

**7-6** Subject: Authorize General Manager to enter into agreements with San Diego County Water Authority, Semitropic Water Storage District, and the California Department of Water Resources to purchase water, lease groundwater return capacity, exchange water, and to convey water in the State Water Project facilities; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA.

Presented by: James D. Bodnar, Program Manager, Water Resource Management

Motion: Authorize the General Manager to enter into agreements with San Diego County Water Authority, Semitropic Water Storage District, and the California Department of Water Resources to purchase water, lease groundwater return capacity, exchange water, and to convey water in the State Water Project facilities consistent with the terms outlined herein and in the letter, and in a form approved by the General Counsel

Mr. Bodnar gave a presentation on the proposed agreement with San Diego County Water Authority (SDCWA) to access 4,200 acre-feet (AF) of water supply and 5,000 AF per year (AFY) of contractual return capacity to the California Aqueduct from SDCWA's groundwater storage program with Semitropic Water Storage District (Semitropic). By partnering with SDCWA in the proposed agreement, Metropolitan's water supply reliability for deliveries to the East and West branches of the California Aqueduct will be increased by 9,200 AF in 2022.

**7-8** Subject: Adopt resolutions to support Metropolitan's applications for the California Department of Water Resources 2021 Urban and Multi-benefit Drought Relief Program of $7.5 million to supplement funding for residential and commercial landscapes within the Turf Replacement Program and $2.5 million to supplement funding for the Residential Direct Install Program in partnership with the Southern California Gas Company; authorize the General Manager to accept grant funds, if awarded; and authorize the General Manager to enter into a contract with the California Department of Water Resources for the grant funds, if awarded; the General Manager has determined that the proposed action is exempt of otherwise not subject to CEQA.

Presented by: None

Motion: Adopt the resolutions to support Metropolitan's application to the California Department of Water Resources 2021 Urban and Multi-benefit Drought Relief Program grant funding of $7.5 million to provide supplemental funding for residential and commercial landscapes in the Turf Replacement Program and $2.5 million for the direct installation of water efficiency devices for the Residential Direct Install Program; authorize the General Manager to accept grant funds, if awarded; and authorize the General Manager to enter into a contract with the California Department of Water Resources for the grant funds, if awarded

After completion of presentations, Director Lefevre made a motion, seconded by Director Kurtz to approve the consent calendar consisting of items 2A,7-4, 7-5, 7-6, and 7-8.

The vote was:

| | |
|---|---|
| Ayes: | Directors Abdo, Atwater, Cordero, Dick, Kurtz, Lefevre, Pressman, and Record. |
| Noes: | None |
| Abstentions: | None |
| Absent: | Directors Ackerman, De Jesus, Goldberg, Luna, Morris, Petersen, and Peterson. |

The motion for items 2A, 7-4, 7-5, 7-6, and 7-8 passed by a vote of 8 ayes, 0 noes, 0 abstain, and 7 absent.

**END OF CONSENT CALENDAR ITEMS**

## 4. OTHER BOARD ITEMS – ACTION

None

## 5. BOARD INFORMATION ITEMS

None

## 6. COMMITTEE ITEMS

a. Subject: Update on Water Surplus and Drought Management

Presented by: Tiffany Tran, Assistant Resource Specialist II, Water Resource Management

Ms. Tran gave an oral report that included updates on 2021 supply and demand balance, 2022 initial SWP Allocation, California's actions for a potential third consecutive dry year, and Metropolitan's action to meet demands for SWP-dependant areas.

**7. MANAGEMENT REPORTS**

a. Subject: Colorado River Matters

Presented by: None.

Mr. Coffey announced written report was provided.

b. Subject: Water Resource Management Manager's Report

Presented by: Brad Coffey, Manager Water Resource Management

Mr. Coffey gave an update on conservation activity and expenditures.

**8. FOLLOW-UP ITEMS**

None

**9. FUTURE AGENDA ITEMS**

None

**10. ADJOURNMENT**

Next meeting will be held on January 10, 2022.

Meeting adjourned at 2:00 p.m.

Richard Atwater
Chair

- **Board of Directors**
  ***Water Planning and Stewardship Committee***

1/11/2022 Board Meeting

**7-6**

## Subject

Authorize modifications to the On-Site Retrofit Program; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

## Executive Summary

This letter seeks authorization to increase the existing On-Site Retrofit Program (Program) incentive term and, in addition to potable water, include untreated imported water as eligible for retrofit under the Program. These proposed changes intend to increase Program participation and recognize the longer-term benefits provided to the region. Metropolitan calculates the incentive with a five-year estimate of water savings at $195 per acre-foot. However, water savings achieved by retrofitting to recycled water systems are remaining in place beyond five years, therefore extending the benefits of the water savings. Staff proposes increasing the incentive calculation to ten years of imported water savings to capture the additional water savings benefits. This proposed modification intends to expand program participation, especially as retrofit costs become more expensive. Together, these Program modifications will further support increased recycled water use to improve water supply reliability in the region.

## Details

### Background

Developing local water supplies is an important objective of Metropolitan's Integrated Water Resources Plan (IRP) and is consistent with Metropolitan's drought planning framework. Expanded use of recycled water offsets future imported water demands and helps achieve water supply reliability.

Based on discussions with member and other agencies, end-user retrofit costs impede expanded recycled water use in the region. Projects that participate in Metropolitan's Local Resources Program are also impacted if there are not enough recycled water customers to consume the supply. In response, Metropolitan's Board approved the On-Site Retrofit Pilot Program in February 2014. After a successful pilot period, the Board authorized the Program to continue in 2016. The Program provides financial incentives directly to property owners (public or private) to convert irrigation or industrial systems to recycled water. Completed projects receive an incentive of $195 per acre-foot of saved water for a five-year term. To date, the Program provided $11 million in incentives, which converted 12,700 acre-feet per year (AFY) of potable water to recycled water.

### Eligibility of Untreated Imported Water

The Program limits participation to projects that offset potable water demands. Member agencies expressed an interest to expand Program eligibility to projects that offset untreated imported water. Reducing Metropolitan's imported demands benefits the region. To retrofit projects currently operating on untreated imported water, staff recommends relaxing the requirement that retrofit projects offset only potable water to also allow projects that offset imported water.

### Program Incentive Term

The Program incentive term currently assumes five years of water savings benefits. Metropolitan staff recently surveyed projects retrofitted through the Program over five years ago. All of the projects continue to use recycled water. The surveys show that recycled water systems remain operational for over five years after installation.

Therefore, the current five-year incentive does not match the anticipated lifetime savings of these investments because the conversion costs assume an infrastructure life of ten years or greater.

Staff regularly works with member agencies to explore strategies to increase recycled water use. Feedback received from the member agencies indicated that less expensive, easier-to-install recycled water conversions are mostly complete. Today, increased site conversion costs are a significant barrier for switching to recycled water. Based on staff analysis of the project costs provided, the current incentives provided to Program applicants cover about 40 percent of their total project costs. Metropolitan expects the percentage to decrease as construction costs increase over time.

Program activity declined in recent years, reflecting an incentive amount that may not adequately move customers to recycled water. In the FY 2020/21 and 2021/22 biennial budget, staff expected about 2,000 AFY of conversions to occur. Rather, staff now expects only about 700 AFY of conversions.

Staff recommends increasing the Program incentive calculation from five years of water savings to ten years. Upon Board approval, this Program modification would take effect immediately. Because approved applications must begin operation within 280 days, new water savings may be seen as early as August 2022. Metropolitan staff received feedback from agencies that potential retrofit projects could create near-term water savings and complement Metropolitan’s drought actions to improve reliability against multi-year, severe drought.

**Proposed Modifications**

Staff recommends allowing untreated imported water as also eligible for retrofit under the Program and increasing the Program incentive calculation from an estimated five years of water savings to ten years to reflect the longer-term water savings achieved from Program retrofits. These changes will support continued investments in recycled water conversions and will help address the increased cost barrier associated with site retrofits. The proposed modifications will encourage participation, increase recycled water use, and support IRP goals. If approved, Metropolitan staff would implement the proposed changes and report program activity and results to the Board.

## Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

Metropolitan Administrative Code Section 3107: Water Use Efficiency Guidelines

By Minute Item 49675, dated February 11, 2014, the Board authorized the On-Site Retrofit Pilot Program for converting sites to receive recycled water.

By Minute Item 49773, dated May 13, 2014, the Board increased the incentive term of the On-Site Retrofit Pilot Program from two years to five years.

By Minute Item 50358, dated January 12, 2016, the Board adopted the 2015 Integrated Water Resources Plan Update, as set forth in Agenda Item 8-3 board letter.

By Minute Item 52581, dated November 9, 2021, the Board declared a Drought Emergency and directed staff to identify and implement measures to ensure all portions of the service area attain a high level of reliability against multi-year, severe droughts.

## California Environmental Quality Act (CEQA)

**CEQA determination for Option #1:**

The proposed action is not defined as a project under CEQA because it involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed action is not subject to CEQA because it involves other government fiscal activities which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines).

**CEQA determination for Option #2:**

None required

## Board Options

**Option #1**

Authorize modifications of the On-Site Retrofit Program to increase the $195 per acre-foot incentive term from five to 10 years, and to also allow untreated imported water as eligible for retrofit under the Program.

**Fiscal Impact:** The annual budget for the On-Site Retrofit Program is $2 million per year. The proposed modification will increase activity and application payments, but the Program will be sustained within the current budgeted amount.

**Business Analysis:** The proposed changes are intended to increase recycled water use and water supply reliability in the region.

**Option #2**

Take no action

**Fiscal Impact:** No anticipated change of expenditures based on current spending patterns.

**Business Analysis:** Staff would consider other initiatives to increase imported water savings.

## Staff Recommendation

Option #1

Brad Coffey 12/22/2021

*Brad Coffey* *Date*
*Manager, Water Resource Management*

12/27/2021

*Adel Hagekhalil* *Date*
*General Manager*

Ref# wrm12680034

# Authorize Modifications to the On-Site Retrofit Program

Water Planning and Stewardship Committee
Item 7-6
January 10, 2022

# Incentivizes Recycled Water End-Use

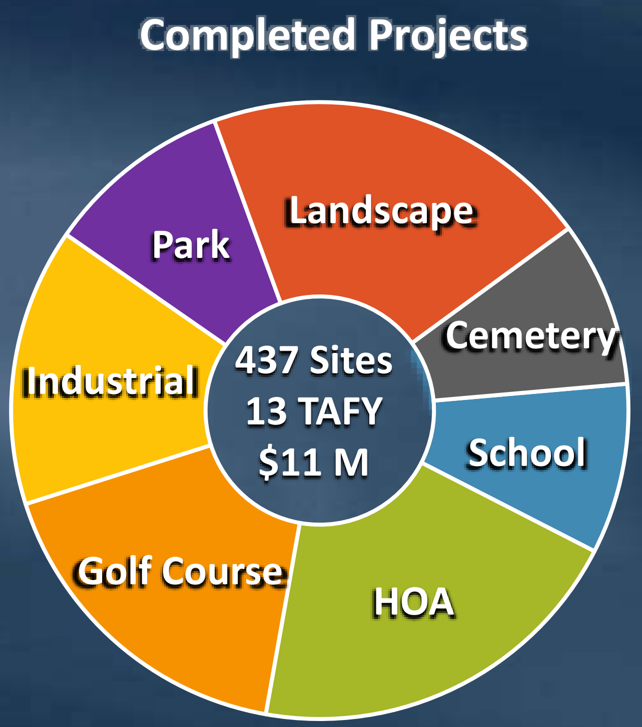
- Pilot Program authorized in 2014; Permanent in 2016
- Provides incentives to end-users to convert potable water to recycled water systems
  - Incentive is $195/AF x water savings x 5 years*
  - Paid in full at start-of-operation

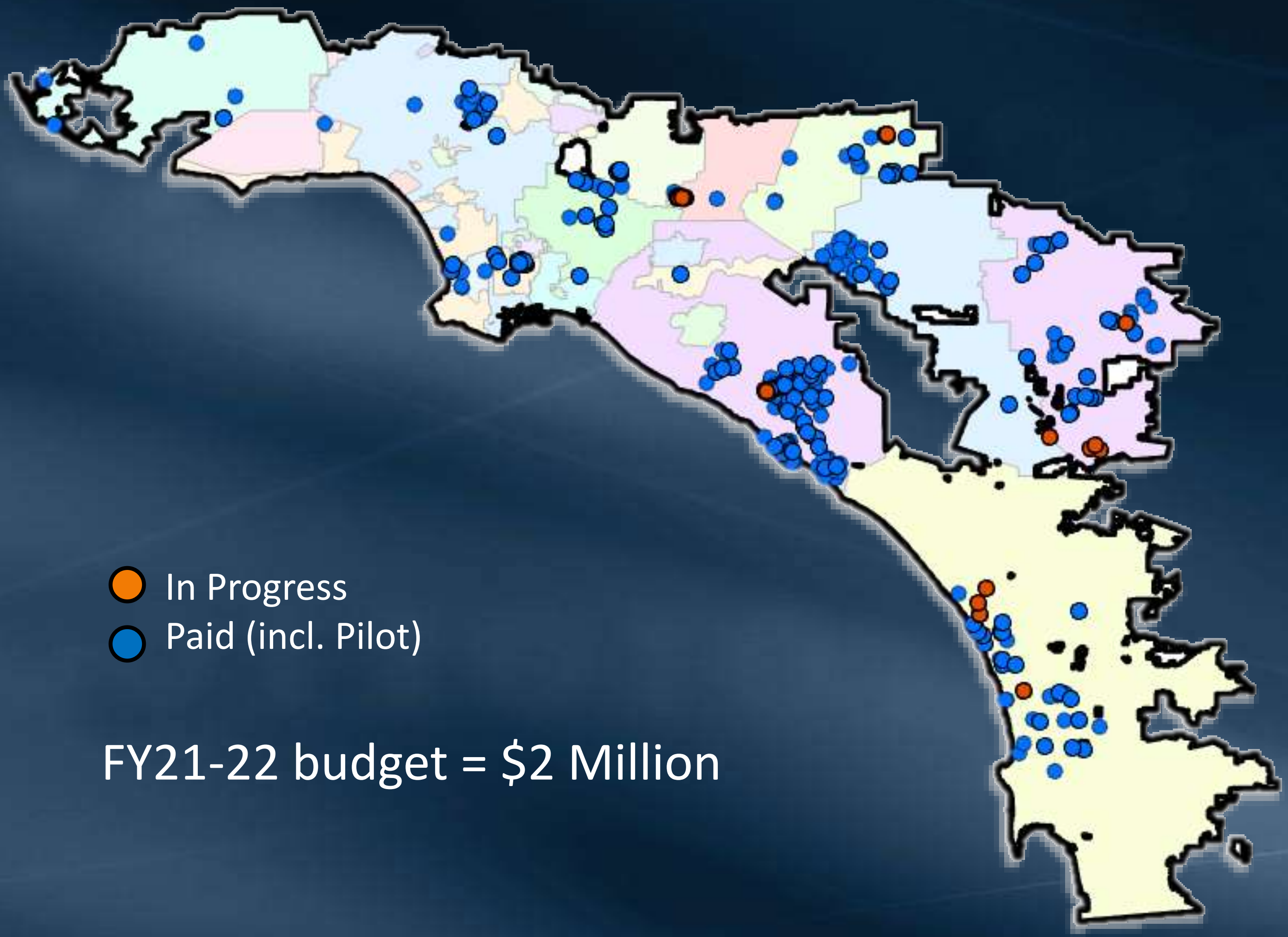
**capped at actual project costs*

# Promotes Local Water Supplies

- Supports IRP goals by developing local supplies
  - Offsets imported water supplies in the region
- Contributes to success of Local Resource Program projects
- Complements Metropolitan's drought actions
  - Potential near-term water savings

# Program Success throughout Region

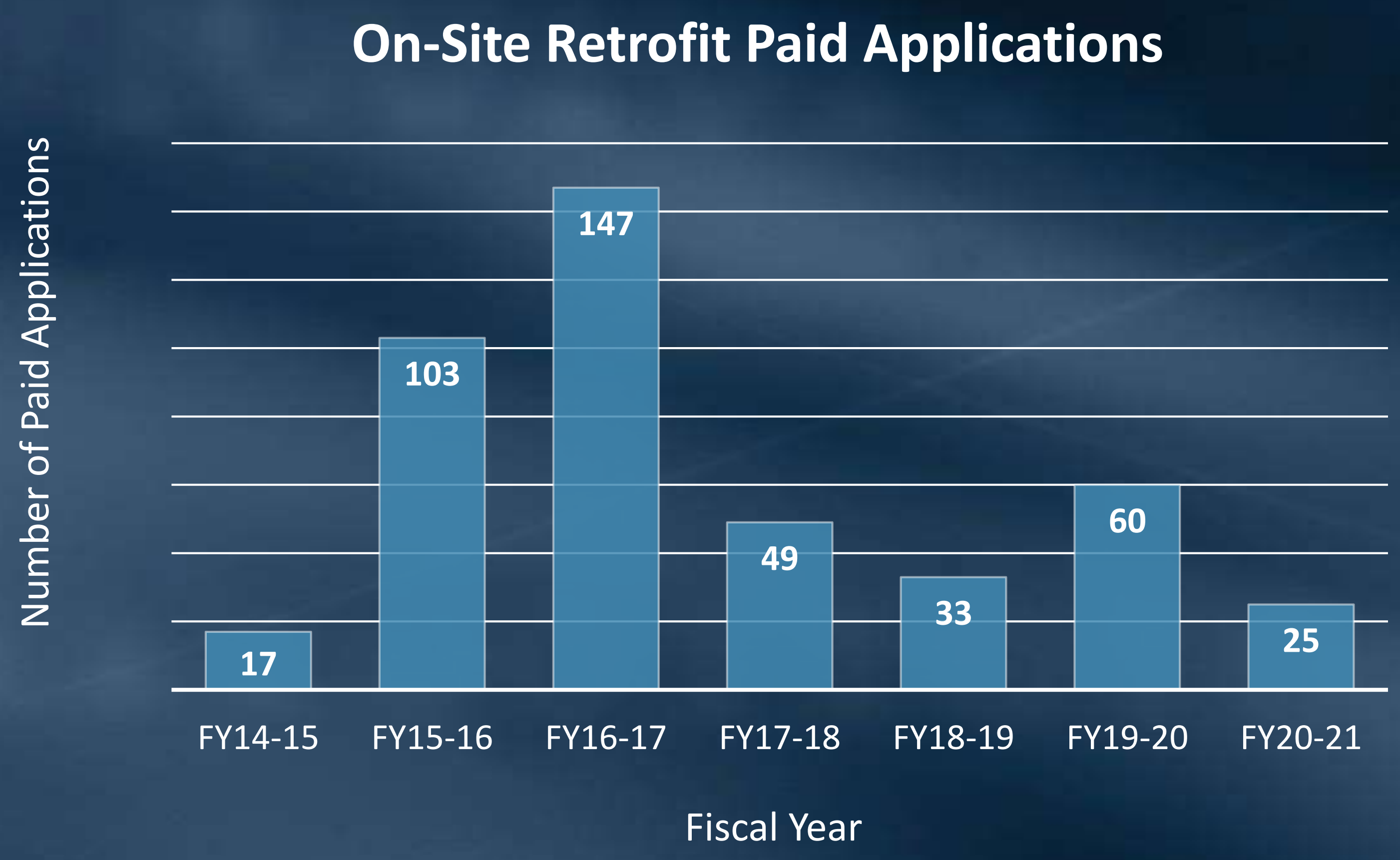


In Progress
Paid (incl. Pilot)

FY21-22 budget = $2 Million

# Decline in Program Participation

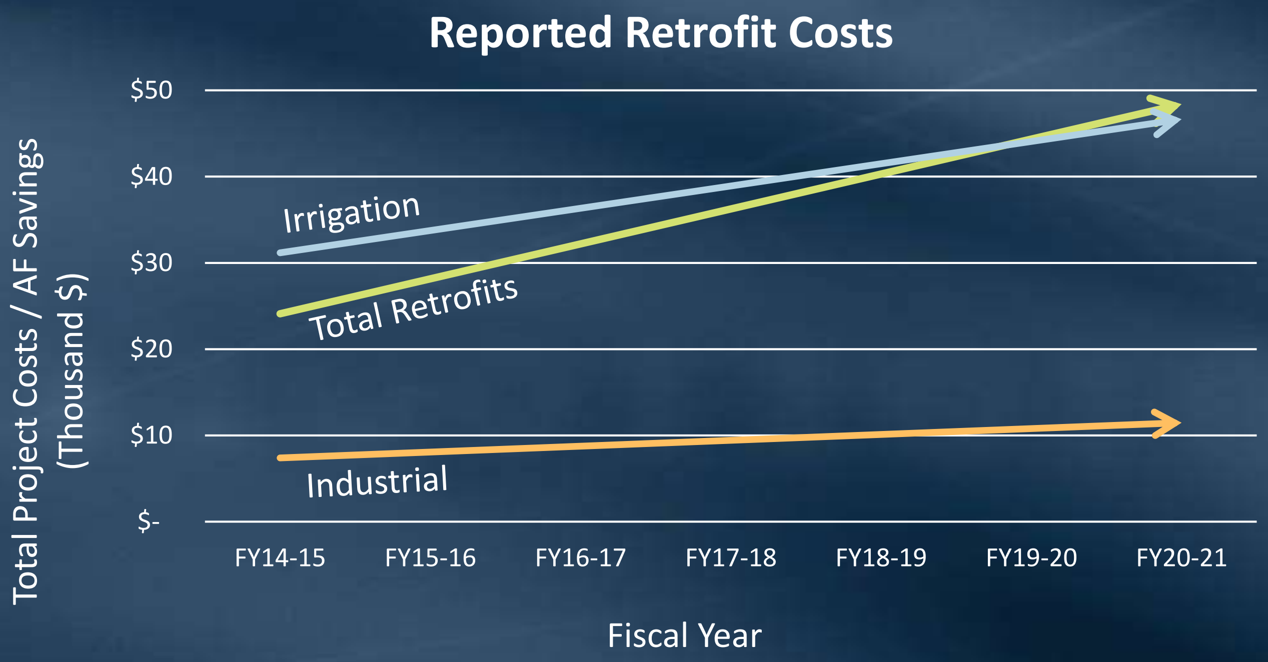


# Observations

- Declining participation due to rising retrofit costs
- Incentive term (# of years) does not reflect the actual long-term potable water savings
  - There are opportunities to increase regional recycled water use

# Retrofit Costs are Increasing

- Upward trend in total retrofit costs reported during invoicing
- Agencies identified rising costs as a barrier for new retrofits

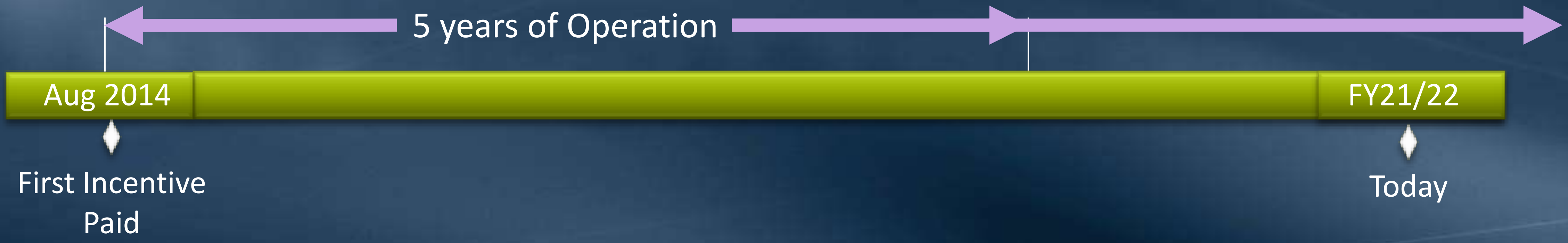


# Projects Produce Long-Term Water Savings

- Surveys to all applicants who received an incentive 5+ years ago
- **<u>100%</u>** of respondents are still using recycled water
  - 96% response rate to surveys

**137**

Paid Projects



# Proposed Modification to Incentive Term

- Increase the existing incentive term from 5-years to 10-years of imported water savings

$195 x Water Savings (AF) x ~~5 years~~ 10 years

  - Recognizes longer term benefits to the region
  - Responds to higher retrofit costs
  - Increases program participation
  - Incentive remains capped at actual project costs
  - No change to current annual budget

# Untreated Imported Water is Valuable

- Some water users have direct connections to untreated supplies
- Program is currently limited to potable water retrofits
- However…
  - Offsetting all imported water is beneficial to the region!
- Staff recommends adjusting policy to allow eligibility of *ALL* imported water retrofits

# Summary

- Retrofit infrastructure and operating lifespan exceeds 5 years
- Retrofit costs have increased
- Increasing the incentive term:
  - More closely reflects imported water savings
  - Responds to higher retrofit costs
- Offsetting untreated imported water supplies provides regional benefits
- Improving Program participation in the Program positively impacts the regional water supply reliability

# Board Options

- Option #1
  - Authorize modifications of the On-Site Retrofit Program to increase the $195 per acre-foot incentive term from five to 10 years, and to allow untreated imported water as eligible for retrofit under the Program.
- Option #2
  - Take no action

# Staff Recommendation

- Option #1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

1928

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

**BOARD ACTION**

- **Board of Directors**
  ***Water Planning and Stewardship Committee***

1/11/2022 Board Meeting

**7-7**

## Subject

Authorize a three-year agreement for Inspection and Verification Services for Conservation Programs with WaterWise Consulting, Inc.; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

## Executive Summary

This action requests authorization to enter into a competitively-awarded professional services agreement with WaterWise Consulting, Inc. for an amount not to exceed $500,000 per year. WaterWise Consulting Inc. will provide inspection and verification services for Metropolitan's conservation rebate programs.

## Details

### Background

Metropolitan administers various incentive programs to help commercial and residential consumers conserve water. Metropolitan uses a vendor to perform on-site inspections, substantiate the accuracy of rebates, and perform other related services as required.

Metropolitan's current inspection contract will expire on March 31, 2022. In September 2021, Metropolitan issued a competitive request for proposal (RFP) seeking consultant services to perform inspection and verification services. Over 1,900 firms were notified of the solicitation through Metropolitan's bid release system. Of these, 53 prospective vendors downloaded the RFP packet. Despite the broad outreach, Metropolitan received only one response. An evaluation committee reviewed and scored the respondent's proposal; the evaluation was favorable, and the committee recommended WaterWise Consulting, Inc. (WaterWise) be awarded a contract. Metropolitan proposes to enter a three-year rollover agreement with terms in effect from April 1, 2022, to March 31, 2025. The maximum amount payable per year is $500,000.

WaterWise will support the following Metropolitan conservation programs:

- The "SoCal Water$mart" regional rebate program, which provides turf replacement and device-based rebates for residential and commercial consumers.
- The Water Savings Incentive Program, which provides financial incentives for customized water efficiency projects.
- The Member Agency Administered Program, which utilizes Metropolitan's funding and provides indoor and outdoor incentives to save water.
- The Regional Multi-Family Housing Toilet Replacement (Pre-94) Program, which provides enhanced incentives for toilet replacement in multi-family residential properties as part of our disadvantaged communities' initiatives.
- Pre- and post- inspections for member agency-administered turf replacement programs.

WaterWise demonstrated they have the technical competence and qualifications to provide inspection and verification services for Metropolitan's conservation programs. Their team has the skills to perform program tracking, provide customer service in scheduling appointments, and conduct inspections at the volume required for Metropolitan's various programs. The firm has provided inspection and verification services to Metropolitan since 2016 and has proven it can support the entire service area. Further, WaterWise provides conservation program inspections for agencies such as the city of Ventura, San Diego County Water Authority, Santa Clarita Water Agency, and Moulton Niguel Water District.

Because only one bid was received for this solicitation, staff did consider alternative approaches to the current inspection program. However, the WaterWise proposal proved more cost-effective and efficient than Metropolitan hiring staff to perform inspections or resoliciting multiple bids for smaller portions of Metropolitan's service area. WaterWise's ability to provide a reasonable cost for inspection services effectively protects Metropolitan and our agencies' investment in our conservation rebate programs.

Staff is requesting to authorize the agreement with WaterWise for inspection and verification services for an amount not to exceed $500,000 per year.

## Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

Metropolitan Administrative Code Section 3107: Water Use Efficiency Guidelines

## California Environmental Quality Act (CEQA)

**CEQA determination for Option #1:**

The proposed action is not defined as a project under CEQA because it involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed action is not subject to CEQA because it involves other government fiscal activities which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines)

**CEQA determination for Option #2:**

None required

## Board Options

**Option #1**

Authorize the General Manager to execute the agreement with WaterWise Consulting, Inc. for inspection and verification services for Metropolitan's water conservation programs.

**Fiscal Impact:** The maximum amount payable per year is $500,000.
**Business Analysis:** WaterWise Consulting, Inc. is highly experienced in providing inspection and verification services for indoor and outdoor conservation devices and programs. It is not feasible, nor cost-effective, for Metropolitan staff to perform these services.

**Option #2**

Do not authorize this agreement with WaterWise Consulting, Inc. until a new competitive proposal can be awarded.
**Fiscal Impact:** No known fiscal impact, but Metropolitan would issue a new request for proposal for inspection and verification services by region, which may cause an interruption to Metropolitan's conservation programs.
**Business Analysis:** An extension of the current contract would be necessary to allow staff to reissue the RFP, although additional companies may not submit proposals.

## Staff Recommendation

Option #1

12/22/2021

*Brad Coffey* *Date*
*Manager, Water Resource Management*

12/27/2021

*Adel Hagekhalil* *Date*
*General Manager*

Ref# wrm12681347

# Authorize an Agreement with WaterWise Consulting, Inc. for Inspection and Verification Services

Water Planning & Stewardship Committee
Item 7-7
January 10, 2022

# Seeking Authority to Enter Agreement

- Metropolitan's current primary inspection and verification services vendor
  - WaterWise Consulting, Inc. performs inspections for water saving devices and turf replacement inspections
- Current contract will expire on March 31, 2022

# Metropolitan Issued Request for Proposals

- In September 2021, Metropolitan issued an RFP for consultant services to perform inspections
  - 1,900+ firms were notified of the solicitation; 53 respondents downloaded the RFP; one response received
- An evaluation committee reviewed and scored each respondent's proposal
- Committee recommended WaterWise Consulting, Inc. to be awarded a three-year rollover agreement with terms in effect from April 1, 2022, to March 31, 2025
- Maximum amount payable per year is $500,000

# Inspections Needed to Ensure Benefits

- WaterWise Consulting, Inc. will support the following Metropolitan conservation programs:
  - "SoCal Water$mart" Regional Rebate Program
  - Water Savings Incentive Program
  - Member Agency Administered Program
  - Pre1994 Multi-Family Property Toilet Replacement Program
  - Member agency administered turf replacement programs

# WaterWise Consulting Selected

- Water Wise Consulting, Inc. demonstrated the technical competence and qualifications to provide inspection and verification services for Metropolitan's conservation programs
  - Can Support Metropolitan's entire service area
  - Meet the demand of Metropolitan's high volume of inspections across our various programs
  - Experience performing conservation program inspections for:
    - City of Ventura Water Department
    - San Diego County Water Authority
    - Santa Clarita Water Agency
    - Moulton Niguel Water District

# Board Options

- Option #1
  - Authorize the General Manager to execute the agreement with WaterWise Consulting, Inc. for inspection and verification services for Metropolitan's water conservation programs.
- Option #2
  - Do not authorize this agreement with WaterWise Consulting, Inc. until a new competitive proposal can be awarded.

# Staff Recommendations

- Option #1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

1928

- **Board of Directors**
  ***Water Planning and Stewardship Committee***

1/11/2022 Board Meeting

**7-8**

## Subject

Authorize: (1) renewal of the Municipal Water Quality Investigations Agreement between the Department of Water Resources, the State Water Contractors and participating urban State Water Project Contractors; and (2) renewal of the Municipal Water Quality Investigations Program Specific Project Agreement between the State Water Contractors and participating urban State Water Project Contractors; the General Manager has determined that the proposed actions are exempt or otherwise not subject to CEQA

## Executive Summary

This letter seeks authority to enter into two agreements to continue Metropolitan's funding and participation in the California Department of Water Resources (DWR) Municipal Water Quality Investigations (MWQI) Program. The multicomponent MWQI Program carries out the vital tasks of sampling, monitoring, and protecting the water quality of the State Water Project (SWP). Water quality data provided by this program assists SWP Contractors in water management, operational decisions related to treatment processes and supports scientific studies. Metropolitan's share of the annual MWQI Program budget remains at a level not to exceed $2.1 million per year.

## Details

### Background

In 1990, DWR implemented the MWQI Program to provide a broad-based program to provide the SWP Contractors information on known and emerging threats to drinking water quality. Its original purpose was to conduct source water quality monitoring in the Delta region. Since then, the MWQI Program evolved and expanded to carry out the following functions:

- Collect and analyze discrete water quality samples ("grab samples") at 16 locations in the Delta and the SWP.
- Operate five real-time water quality monitoring stations located in the Delta and the SWP.
- Forecast SWP water quality weekly for the Delta and within the SWP conveyance and delivery system.
- Conduct research, analysis and investigations of SWP water quality and related issues.
- Maintain a water quality database and program website.
- Disseminate water quality information and updates to SWP Contractors, water agencies, regulators and other interested parties.

***Project Milestones***

Recent accomplishments of the MWQI Program include work on the 2021 SWP Watershed Sanitary Survey, Delta Salinity Constituents Relationships Project, Fluorescence of Dissolved Organic Matter (FDOM) Project, and continued operation of the real-time water quality monitoring system. Compliance with the State of California Division of Drinking Water (DDW) Surface Water Treatment Rule requires conducting and updating a watershed sanitary survey every five years. The 2021 SWP Watershed Sanitary Survey will report observed and emerging water quality conditions throughout the entire SWP system. Most of the work on the 2021 update of the

SWP Sanitary Survey is complete. The MWQI Specific Project Committee plans to submit the final 2021 SWP Watershed Sanitary Survey to DDW by June 30, 2022.

The Delta Salinity Constituents Relationships Project is a continuation of prior work to develop science-based correlations between salinity, chloride, and bromide at key locations in the Delta and Suisun Bay. The goal of the FDOM Project is to use FDOM as a proxy for organic carbon measurements. FDOM sensors have been installed at various locations in the Delta and the SWP to determine how FDOM responds to different water sources. A final report on the FDOM Project is expected to be complete in June 2023. The key benefit of five MWQI real-time monitoring stations is that they provide year-round and instantaneous water quality conditions at strategic locations in the Delta and SWP. This real-time information is available to system operators, water managers, treatment plant staff, SWP Contractors, and other interested parties as an early warning of changing water quality conditions for the improved management of SWP water supplies.

Sixteen urban SWP Contractors elected to sign the MWQI Agreement. The MWQI Agreement provides for the funding and payment of MWQI Program costs, which consist of salaries and overhead for DWR staff employed by the MWQI Program, operating expenses, and equipment required to carry out the Program. The SWP contractor's annual Statement of Charges includes all MWQI Program costs. Each participating contractor's share of the total program costs is in proportion to that contractor's annual Table A amount of project water as shown in their SWP contract.

The MWQI Specific Project Agreement funds specialized costs including a consultant to the MWQI Program, scientific studies and consultants, technical support for data acquisition and processing, maintenance of the MWQI Program website and water quality database, and expedited procurement of urgently needed equipment, parts or services. Fifteen urban SWP Contractors participate in and fund the MWQI Specific Project Agreement, and these participating contractors along with the State Water Contractors, Inc. are the signatories to the MWQI Specific Project Agreement. Under this agreement, work is funded by payments made to the State Water Contractors, Inc. Each participating contractor's share of the total MWQI Specific Project Agreement costs is in proportion to that contractor's annual Table A amount of project water as shown in their SWP contract.

The term of both agreements is three years. The maximum total annual cost of the MWQI Program is $3.1 million, and Metropolitan's share is up to $2.1 million per year. This represents no change from the prior three years. Actual expenses of the MWQI Program in calendar year 2020 were $2.0 million. The proportionate share of cost for each contractor, which is based on municipal and industrial Table A amounts, is shown in **Attachment 1**.

Staff recommends entering into the proposed agreements to provide valuable water quality sampling, monitoring, water quality forecasting, data dissemination, and scientific studies involving SWP water quality.

## Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

## California Environmental Quality Act (CEQA)

**CEQA determination for Option #1:**

The proposed action is not defined as a project under CEQA (Public Resources Code Section 21065, State CEQA Guidelines Section 15378) because the proposed action will not cause either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment and involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed action is not defined as a project under CEQA because it involves the creation of government funding mechanisms or other government fiscal activities which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines).

**CEQA determination for Option #2:**

None required

## Board Options

**Option #1**

Authorize the General Manager to:

a. Execute a renewal of the Municipal Water Quality Investigations Agreement between the Department of Water Resources, the State Water Contractors, and participating urban State Water Project Contractors and continue the MWQI Program for an additional three-year term of January 1, 2023 to December 31, 2025.
b. Execute a renewal of the Municipal Water Quality Investigations Program Specific Project Agreement between the State Water Contractors and participating urban State Water Project Contractors and continue the MWQI Program for an additional three-year term of January 1, 2023 to December 31, 2025.

**Fiscal Impact:** Up to $2.1 million annually for the next three years. The maximum annual cost of $2.1 million reflects a flat budget with no increase in spending from the prior three-year agreement period.
**Business Analysis:** The SWP water quality data collected and the research and analyses produced by the MWQI Program is available to monitor and protect the source quality of SWP water supplies, to inform water supply planning, scheduling, and delivery decisions and to assist with the development of treatment strategies and compliance with drinking water regulations. The maximum annual MWQI SOC charge plus the MWQI SPC charge for all participating SWP Contractors will not exceed $3.1 million for any calendar year. The maximum budget of $3.1 million annually is the same budget amount in the three prior MWQI Agreements covering the years 2014-2016, 2017-2019, and 2020-2022. Through careful management of expenditures and implementing workflow improvements, the MWQI Program can complete the work at the same $3.1 million cost in the 2023-2025 agreement.

**Option #2**

Do not authorize the General Manager to execute the Municipal Water Quality Investigations agreements.
**Fiscal Impact:** Potential additional costs to carry out data collection, analysis and related services using some alternative personnel or vendor instead of continuing to rely on DWR with its central location, trained staff and expertise to provide these services. If Metropolitan does not participate, other contractors who pay MWQI costs through their annual Statement of Charges may drop out, leaving remaining contractors funding these water quality monitoring and analysis activities with a higher bill.
**Business Analysis:** DWR staff is in the area, has exclusive access to DWR facilities, and can efficiently collect the data and perform the work. If DWR is not carrying out the MWQI Program, the SWP water quality data collected and the research and analyses currently produced may be significantly scaled back or eliminated. Water managers, planning staff and operations and treatment plant managers would have significantly less SWP water quality information available to carry out water supply planning, scheduling and water treatment efforts. If Metropolitan and other remaining urban contractors were to carry out this work, the costs to remotely administer, deploy staff, and analyze water quality samples and data would likely be higher.

## Staff Recommendation

Option #1

12/22/2021

*Brad Coffey* *Date*
*Manager, Water Resource Management*

12/27/2021

*Adel Hagekhalil* *Date*
*General Manager*

**Attachment 1 –Proportionate Share Factors**

Ref# wrm12687881

**Statement of Charges Allocation Factors**
**Table 1**

| | M&I Table A | Proportionate Share |
|---|---|---|
| Alameda County Flood Control & Water Conservation District Zone 7 | 80,619 | 0.02841469 |
| Alameda County Water District | 42,000 | 0.01480317 |
| Antelope Valley-East Kern Water Agency | 144,844 | 0.05105120 |
| Santa Clarita Valley Water Agency | 95,200 | 0.03355385 |
| Santa Barbara County Flood Control & Water Conservation District | 45,486 | 0.01603183 |
| Crestline-Lake Arrowhead Water Agency | 5,800 | 0.00204425 |
| Kern County Water Agency | 79,000 | 0.02784406 |
| Metropolitan Water District of Southern California | 1,911,500 | 0.67372049 |
| Mojave Water Agency | 89,800 | 0.03165059 |
| Napa County Flood Control & Water Conservation District | 29,025 | 0.01023005 |
| Palmdale Water District | 21,300 | 0.00750732 |
| San Bernardino Valley Municipal Water District | 102,600 | 0.03616203 |
| San Gorgonio Pass Water Agency | 17,300 | 0.00609750 |
| San Luis Obispo County Flood Control & Water Conservation District | 25,000 | 0.00881141 |
| Santa Clara Valley Water District | 100,000 | 0.03524564 |
| Solano County Water Agency | 47,756 | 0.01683191 |
| **TOTAL** | **2,837,230** | **1.00000000** |

**MWQI Specific Project Committee Charge Factors**
**Table 2**

| | M&I Table A | Proportionate Share |
|---|---|---|
| Alameda County Flood Control & Water Conservation District Zone 7 | 80,619 | 0.02866729 |
| Alameda County Water District | 42,000 | 0.01493477 |
| Antelope Valley-East Kern Water Agency | 144,844 | 0.05150503 |
| Santa Clarita Valley Water Agency | 95,200 | 0.03385214 |
| Santa Barbara County Flood Control & Water Conservation District | 45,486 | 0.01617435 |
| Crestline-Lake Arrowhead Water Agency | 5,800 | 0.00206242 |
| Kern County Water Agency | 79,000 | 0.02809159 |
| Metropolitan Water District of Southern California | 1,911,500 | 0.67970970 |
| Mojave Water Agency | 89,800 | 0.03193195 |
| Napa County Flood Control & Water Conservation District | 29,025 | 0.01032099 |
| Palmdale Water District | 21,300 | 0.00757406 |
| San Bernardino Valley Municipal Water District | 102,600 | 0.03648350 |
| San Gorgonio Pass Water Agency | 17,300 | 0.00615170 |
| Santa Clara Valley Water District | 100,000 | 0.03555897 |
| Solano County Water Agency | 47,756 | 0.01698154 |
| **TOTAL** | **2,812,230** | **1.00000000** |

# Authorize Renewal of Municipal Water Quality Investigations Agreements with DWR

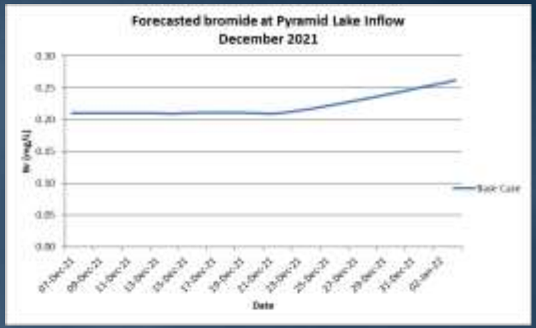
Water Planning and Stewardship Committee
Item 7-8
January 10, 2022

# MWQI Program Overview

- Municipal Water Quality Investigations Program Established 1990
- Funded by participating urban SWP Contractors

## MWQI Program core functions

Monitor & Sample




Forecast Water Quality


Disseminate Data & Maintain Database

Scientific Studies

SWP Watershed Sanitary Survey

# Key benefits

- Cost savings
- Early warning of changing water quality
- Program flexibility
- Inform Delta science
- SWP Sanitary Survey
- Automated data to MWD staff

Compliance with Drinking Water Regulations

Delta science

# Key Terms

- New agreements start on January 1, 2023
- 3-year Term
- $3.1 million/year is maximum combined cost of both agreements
  - MWQI Agreement
  - MWQI Specific Project Agreement
    - $700,000 annual budget cap
- Metropolitan's share of costs based on SWP Table A Allotment
  - Up to $2.1 million per year

# Board Options

- Option #1
  - Authorize the General Manager to:
    - a. Execute a renewal of the Municipal Water Quality Investigations Agreement between the Department of Water Resources, the State Water Contractors and participating urban State Water Project Contractors and continue the MWQI Program for an additional three-year term of January 1, 2023, to December 31, 2025; and
    - b. Execute a renewal of the Municipal Water Quality Investigations Program Specific Project Agreement between the State Water Contractors and participating urban State Water Project Contractors and continue the MWQI Program for an additional three-year term of January 1, 2023, to December 31, 2025

# Board Options (continued)

- Option #2
  - Do not authorize the General Manager to execute the Municipal Water Quality Investigations Agreements

# Staff Recommendations

- Option #1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

1928

- **Board of Directors**
  ***Water Planning and Stewardship Committee***

1/11/2022 Board Meeting

**7-9**

## Subject

Approve Agreement for Temporary Emergency Delivery of a Portion of the Mexican Treaty Waters of the Colorado River to the International Boundary in the Vicinity of Tijuana, Baja California, Mexico, and for Operation of Facilities in the United States; the General Manager determined that the proposed action is exempt or otherwise not subject to CEQA

## Executive Summary

Authorize the General Manager to execute an agreement providing for delivery of Mexican Treaty water for Tijuana (proposed agreement). At times of capacity or maintenance constraints in Mexico's Colorado River water conveyance system, since 1972, Metropolitan diverted small amounts of Mexico's water at Lake Havasu and conveyed it to the San Diego County Water Authority for delivery from Otay Water District to Tijuana. This agreement would allow for this diversion for an additional five years.

## Details

Pursuant to the 1944 international treaty between the United States and Mexico, entitled the United States-Mexico Treaty for Utilization of Waters of the Colorado and Tijuana Rivers and of the Rio Grande (Treaty), Mexico normally diverts Colorado River water from the Mexicali Valley. The water is then delivered to Pacific Ocean communities and other points along the way via a pipeline. Since 1972, the government of Mexico periodically requested assistance from the United States for emergency water deliveries for the Tijuana region to respond to drought conditions, aqueduct construction and repairs, or water distribution infrastructure problems. Under a series of agreements, Metropolitan assisted in making those deliveries. **Attachment 1** lists historical deliveries.

In 2003, the International Boundary and Water Commission (IBWC) adopted Minute No. 310, which addressed emergency delivery of a portion of Mexico's Colorado River water for Tijuana. In response to Mexico's request to extend the agreement, IBWC adopted Minute No. 314 in 2008. Later in 2008, Metropolitan, the San Diego County Water Authority, Otay Water District (collectively, "California Agencies"), and the United States Bureau of Reclamation (Reclamation) executed an amendment that extended the five-year emergency delivery agreement to November 9, 2013. On January 19, 2017, the California Agencies and Reclamation executed a new five-year emergency delivery agreement. These agreements facilitated emergency deliveries of up to 14,400 acre-feet annually of Mexico's Colorado River water.

Mexico requested that the United States Section of the IBWC provide emergency delivery capacity for another five years, on similar terms, pursuant to a new agreement and approval of Minute 327 to the Treaty and the joint engineering report, which confirm Mexico's consent to the proposed agreement with the California Agencies. The parties are currently negotiating the final terms of Minute 327. Potential capacity constraints in Metropolitan's Colorado River Aqueduct or its Robert A. Skinner Water Treatment Plant service area could limit Metropolitan's ability to meet Mexico's emergency needs in the future. As such, the proposed agreement recognizes that the California Agencies will only make deliveries when capacity is available.

Metropolitan's charge for fair compensation for deliveries would be an amount equivalent to the System Access Rate and Treatment Surcharge or equivalent at the time of the delivery, plus actual power costs. This is a negotiated contract price as Metropolitan's rates are not applicable to non-member agencies. Upon request for deliveries, relevant parties will inform Mexico of the charges in advance. Because the deliveries go through a connection on Otay Water District's system, Otay Water District is paid for charges for actual operation and maintenance costs. The San Diego County Water Authority would coordinate all payments of charges between the United States and the California Agencies. The agreement is effective after all parties approve and execute Minute 327 and adopt the joint engineering report.

Staff recommends the Board authorize the General Manager to execute an agreement on similar terms as the previous agreement to allow emergency deliveries of Mexican Treaty water for Tijuana, subject to the agreement being in a form approved by the General Counsel. **Attachment 2** lists the proposed key terms.

## Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 39895, dated October 13, 1992, the Board authorized the General Manager to enter into agreements with the United States, San Diego County Water Authority, and the Otay Water District for the delivery of Mexican Treaty water for Tijuana, subject to the agreements being in a form approved by the General Counsel.

By Minute Item 44900, dated June 11, 2002, the Board set the charges for emergency deliveries.

By Minute Item 50636, dated November 8, 2016, the Board approved a five-year emergency delivery agreement.

## California Environmental Quality Act (CEQA)

**CEQA determination for Option #1:**

The proposed action is categorically exempt under the provisions of CEQA and the State CEQA Guidelines. The proposed action involves an agreement providing for delivery of Mexican Treaty water for Tijuana associated with the operation of existing public water conveyance facilities with negligible or no expansion of use and no possibility of significantly impacting the physical environment. Accordingly, this proposed action qualifies for a Class 1, Categorical Exemption (Section 15301 of the State CEQA Guidelines).

**CEQA determination for Option #2:**

None required

## Board Options

**Option #1**

Authorize the General Manager to execute the Agreement for Temporary Emergency Delivery of a Portion of the Mexican Treaty Waters of the Colorado River to the International Boundary in the Vicinity of Tijuana, Baja California, Mexico, and for Operation of Facilities in the United States for five years, subject to the proposed agreement being in a form approved by the General Counsel and further providing that the proposed agreement will become effective only upon approval and execution by the parties of Minute 327 to the Treaty and adoption of the joint engineering report that are both consistent with the terms of the proposed agreement.

**Fiscal Impact:** Metropolitan would recover all delivery-related costs, so there is no net fiscal impact.
**Business Analysis:** Support of emergency service for Tijuana would have the overall benefit of assisting our neighboring country to deliver water at relatively little inconvenience to California Agencies in order to help prevent public health and economic problems in Mexico.

**Option #2**

Do not authorize the General Manager to execute an agreement that provides emergency water service for Tijuana.
**Fiscal Impact:** No impact
**Business Analysis:** Not signing the proposed agreement may impair constructive relations that have developed with Mexico regarding water management.

## Staff Recommendation

Option #1

12/21/2021

*Brad Coffey* *Date*
*Manager, Water Resource Management*

12/27/2021

*Adel Hagekhalil* *Date*
*General Manager*

**Attachment 1 – Historical Emergency Water Service Deliveries for Tijuana, Mexico**

**Attachment 2 – Agreement for Temporary Emergency Delivery of a Portion of the Mexican Treaty Waters of the Colorado River to the International Boundary in the Vicinity of Tijuana, Baja California, Mexico, and for Operation of Facilities in the United States**

Ref# wrm12678202

**Historical Emergency Water Service Deliveries for Tijuana, Mexico**

| Year* | Delivery at International Boundary (AF) |
|---|---|
| 1972 | 2,317 |
| 1973 | 8,397 |
| 1974 | 8,649 |
| 1975 | 7,377 |
| 1976 | 9,159 |
| 1977 | 8,029 |
| 1978 | 5,514 |
| 1979 | 224 |
| 1980 | 3,125 |
| 1989 | 301 |
| 1992 | 231 |
| 2003 | 641 |
| 2004 | 349 |
| 2005 | 163 |
| 2006 | 36 |
| 2008 | 5,086 |
| 2009 | 4,781 |
| 2012 | 95 |
| 2018 | 293 |
| 2019 | 655 |
| 2020 | 1,394 |

*Table includes years in which emergency deliveries were made.

**Agreement for Temporary Emergency Delivery of a Portion of the Mexican Treaty Waters of the Colorado River to the International Boundary in the Vicinity of Tijuana, Baja California, Mexico, and for Operation of Facilities in the United States**

The key terms of the agreement, as relevant to Metropolitan, include:

1. Metropolitan will determine, at its sole discretion, whether capacity is available in its water distribution system and at the Robert A. Skinner Treatment Plant for all or a portion of the requested deliveries for Tijuana.
2. Mexico will pay fair compensation for the full cost of transporting and treating the water delivered for Tijuana, in an amount equivalent to Metropolitan's System Access Rate and Treatment Surcharge or equivalent at the time of delivery, and actual energy costs. This is a negotiated contract price as Metropolitan's rates are not applicable to non-member agencies. Prior to water deliveries, an estimate of the actual energy costs will be provided to Mexico.
3. An Energy Reserve Fund will be created. This fund shall be used to cover actual energy costs that are above and beyond the estimated energy costs that were provided to Mexico.
4. The annual maximum amount of water that can be delivered for Tijuana is 14,400 acre-feet.
5. There is flexibility in the timing of diversions and deliveries to ensure that Metropolitan has access to its full entitlement to Colorado River water, including water conservation and water acquisition programs.

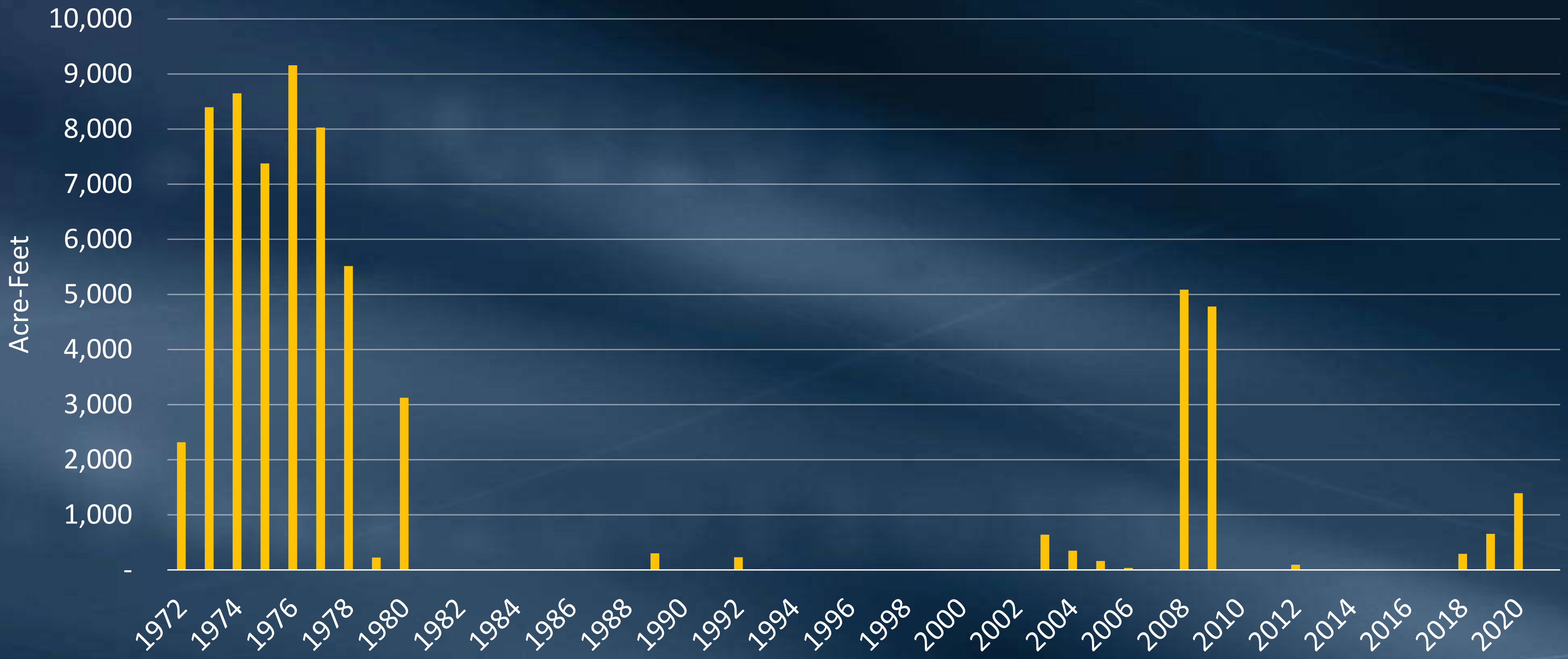
# Approve Agreement to Provide Emergency Water Service for Tijuana, Mexico

Water Planning and Stewardship Committee
Item 7-9
January 10, 2022

# Emergency water service has been provided to Tijuana, Mexico since 1972

- Provides water during interruptions and periodic supply inadequacies
- Current agreement expires January 2022
- Mexico's water under Treaty – up to 14,400 AFY

# Annual Need Has Decreased, but Still Exists



# Water Delivery by and through Metropolitan's Service Area


- Diverted Water is part of Mexico's apportionment
- Water is conveyed through California Agencies infrastructure
- Metropolitan's role is minimal
- SDCWA coordinates payments and communication

# Contract Price for Water Service 2022 Equivalent to MWD's:

| | Cost per Acre-Foot |
|---|---|
| System Access Rate | $389 |
| Treatment Surcharge | $344 |
| **Subtotal** | **$733** |
| Actual Energy Costs | Market Price - TBD |
| **Total** | **$733 + Actual Energy Costs** |

# Proposed Agreement

- 5-Year Agreement (through beginning of 2027)
- Contract price revised as changed by MWD, designed for full cost recovery
- Delivery only when capacity is available

# Board Options

## Option #1

- Authorize the General Manager to execute the Agreement for Temporary Emergency Delivery of a Portion of the Mexican Treaty Waters of the Colorado River to the International Boundary in the Vicinity of Tijuana, Baja California, Mexico, and for Operation of Facilities in the United States for five years, subject to the proposed agreement being in a form approved by the General Counsel and further providing that the proposed agreement will become effective only upon approval and execution by the parties of Minute 327 to the Treaty and adoption of the joint engineering report that are both consistent with the terms of the proposed agreement.

## Option #2

- Do not authorize the General Manager to execute an agreement that provides emergency water service for Tijuana

# Staff Recommendations

- Option #1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

1928

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

# Report
## Water Resource Management Group

- **Water Surplus and Drought Management Update** ***Conditions as of 12/27/2021***

### Summary


This report accounts for water supply, demand, and storage conditions for calendar year (CY) 2022 as of December 27, 2021. In addition, this report tracks the hydrologic conditions for water year (WY) 2021-2022.

On December 1, 2021, the Department of Water Resources (DWR) announced a zero percent initial State Water Project (SWP) Table A allocation for 2022 based on low reservoir levels and dry hydrologic conditions. However, DWR is committed to delivering water to satisfy essential human health and safety (HH&S) needs unmet by other water supplies available to the SWP Contractors.

Since December, storms have brought much-needed precipitation to both imported supply watersheds. Snowpack in the Upper Colorado River Basin and the Northern Sierra is now above normal for this date. DWR is evaluating the impact of the recent storms and may soon increase the Table A allocation.

Metropolitan's supply/demand gap estimate for calendar year 2022 is 751 TAF given a demand estimate of 1.75 million acre-feet, the zero percent SWP Table A allocation, and the Colorado River Aqueduct (CRA) supply estimate. A majority of this supply/demand gap will be met through storage withdrawals. However, portions of the SWP dependent areas may need to access HH&S deliveries to meet their critical demands should the Table A allocation remain low (below about 15 percent).

Metropolitan is coordinating with its member agencies to reduce the projected use of SWP supplies. Areas receiving HH&S water would need to eliminate non-essential uses of water such as irrigation of ornamental landscapes. Metropolitan and its member agencies continue to preserve remaining SWP supplies and develop new supplies accessible to the SWP dependent area. If needed, Metropolitan staff will recommend the Board adopt rules and regulations to reduce demands to HH&S levels as early as March 2022. These actions include invoking California Water Code sections 350 and 375 to conserve remaining supplies for the greatest public benefit. These actions would apply only to portions of the service area dependent on SWP supplies.


### Purpose

Informational

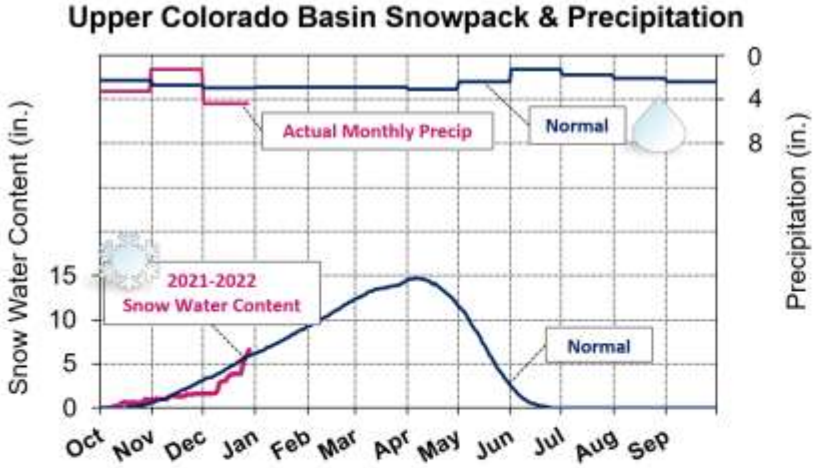
### Attachments

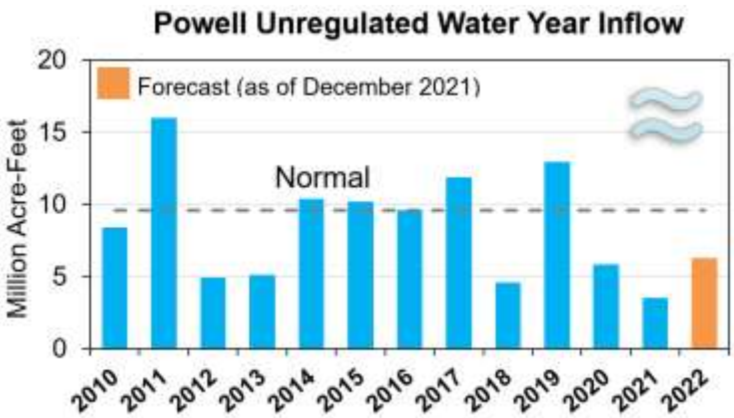
Attachment 1: Projected 2022 WSDM Storage Detail (zero percent SWP Table A allocation)

Attachment 2: Agreements to Exchange or Return Stored Water and Cyclic Program Balances

### Detailed Report

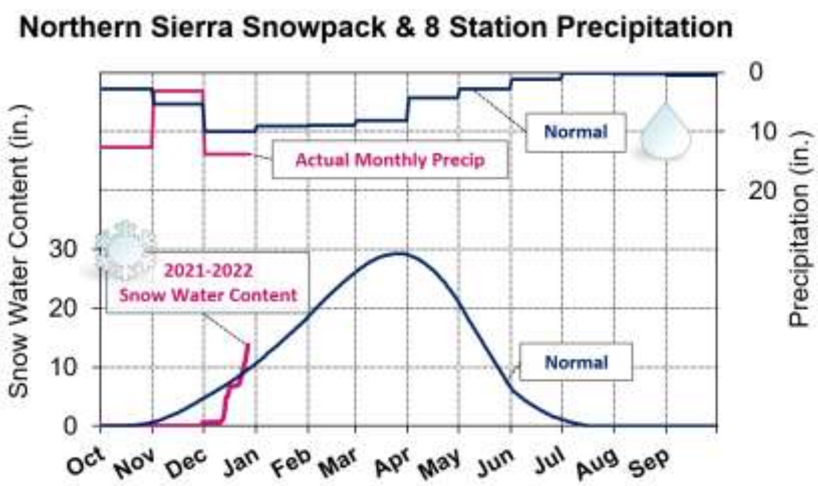
This Water Surplus and Drought Management (WSDM) report updates water supply and demand conditions for CY 2022 and developing hydrologic conditions for WY 2021-2022.

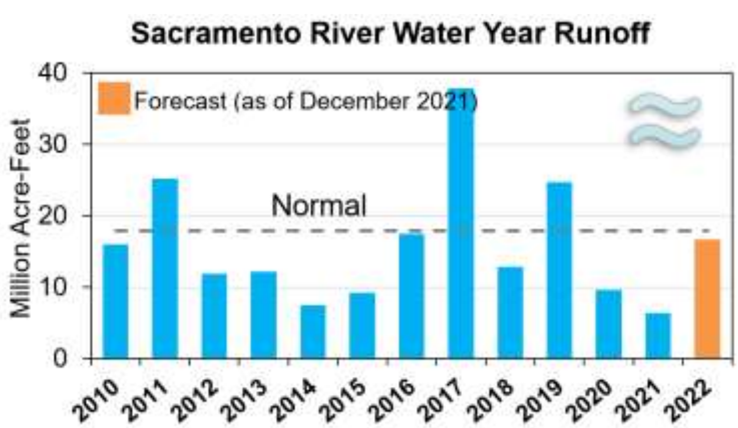



### *Upper Colorado River Basin*

- ❄ Above normal snowpack water content to date (6.6 inches).
- 💧 Above normal precipitation October through December (9.0 inches).
- ≈ Runoff into Lake Powell for WY 2022 is forecasted at 65% of normal.



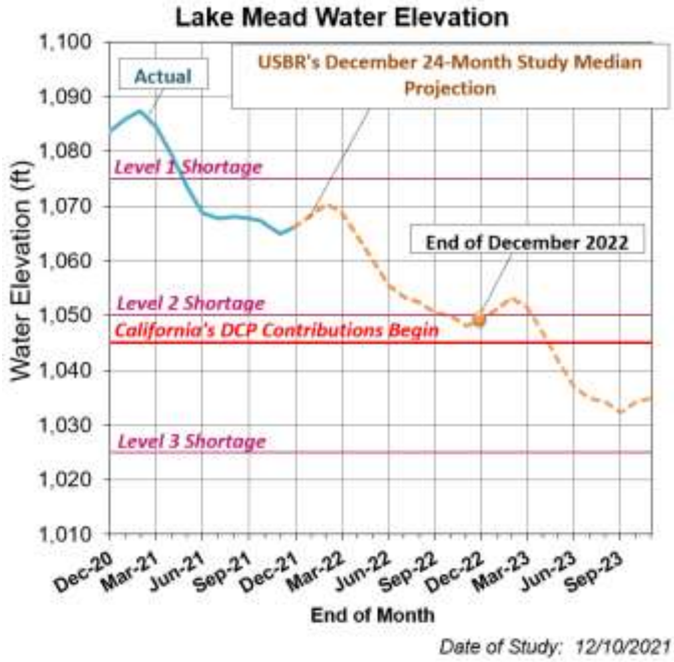




### *Sacramento River Basin*

- ❄ Above normal snowpack water content to date (13.8 inches).
- 💧 Precipitation at the 8 Station has surpassed the precipitation received last water year.
- ≈ Runoff into the Sacramento River for WY 2022 is forecasted at 95% of normal.

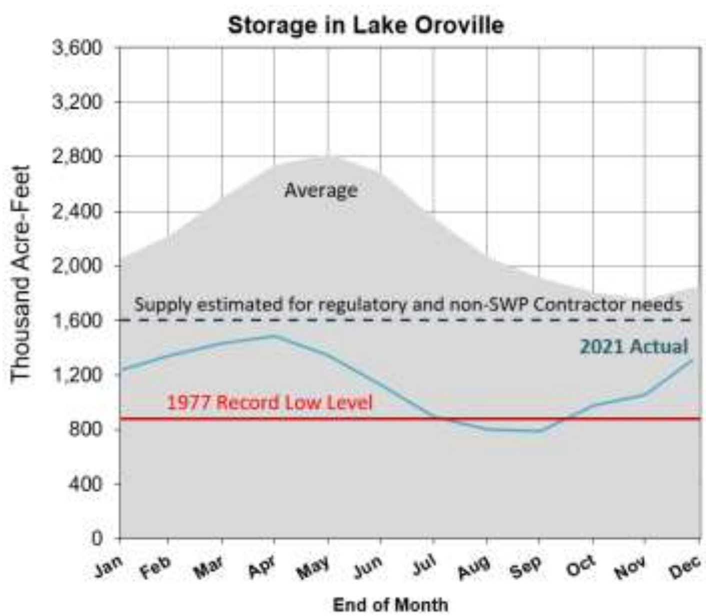
| **CRA Supplies** | **Acre-Feet** |
|---|---|
| *Basic Apportionment* | *550,000* |
| *IID/ MWD Conservation Program* | *105,000* |
| *PVID Fallowing Program* | *25,000* |
| *Exchange w/ SDCWA (IID/Canal Lining)* | *280,000* |
| *Exchange w/ USBR (San Luis Rey Tribe)* | *16,000* |
| *Lower Colorado Water Supply Project* | *9,000* |
| *Bard Seasonal Fallowing Program* | *6,000* |
| *Quechan Diversion Forbearance* | *6,000* |
| *Quechan Seasonal Fallowing Program* | *3,000* |
| *Higher Priority Water Use Adjustment* [1] | *0* |
| **Total CRA Supplies** | **1,000,000** |

[1] Final adjustment could vary by more than 100 TAF.




- Lake Mead storage is currently at 8.89 MAF (elevation 1066.1 feet).
- 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.
- On December 15, 2021, Metropolitan and other water agencies in Arizona and Nevada along with the Department of the Interior signed an agreement to add 500 TAF of additional water to Lake Mead in both 2022 and 2023 by facilitating actions to conserve water across the Lower Colorado Basin (dubbed the "500+ Plan"). The additional water would add about 16 feet total to the reservoir's level. The December 24-Month Study projections, shown above, include some components of the 500+ Plan but not others. Additional components will be incorporated into the monthly projections as conservation agreements associated with the plan are finalized.

| **SWP Supplies** | **Acre-Feet** |
|---|---|
| *Table A (0% SWP allocation)* | *0* |
| *Article 21* | *0* |
| *Port Hueneme* | *0* |
| *SWC Buyers Group Transfers* | *0* |
| *Yuba Accord Dry-Year Purchase Program* | *0* |
| **Total SWP Supplies** | **0** |
| | |
| **Total Supplies (CRA + SWP)** **(Prior to storage actions)** | **1,000,000** |

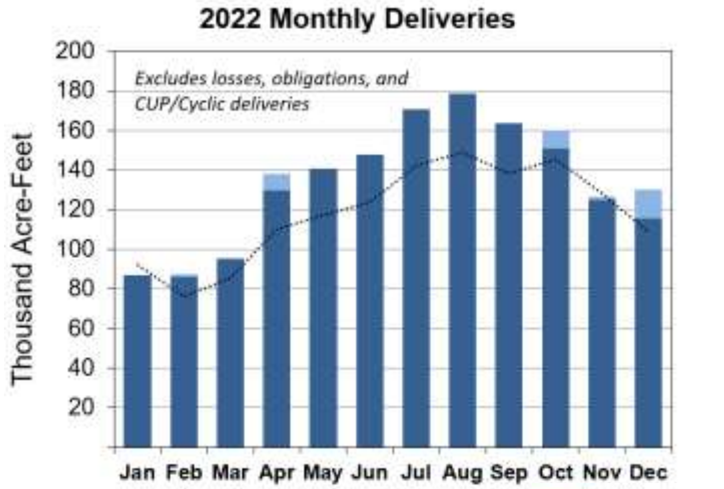



- The 2022 initial Table A allocation is zero percent. Instead of providing a traditional allocation based on contract amounts (Table A), DWR is committed to providing SWP contractors water to meet their unmet health and safety needs. Metropolitan developed the minimum health and safety needs in coordination with member agencies dependent on SWP supplies.
- Storage in Lake Oroville is currently at 1,310 TAF (37 percent of total capacity) or 71 percent of historical average as of the date of this report.

## 2022 WATER DEMANDS

| Current Demand | Acre-Feet |
|---|---|
| *Member Agency Consumptive* [1] | *1,598,000* |
| *Member Agency Replenishment* | *37,000* |
| *Coachella Valley Water District Agreement* | *50,000* |
| *Exchange w/ San Luis Rey Tribe* | *16,000* |
| *System and Storage Losses* | *50,000* |
| *Cyclic Deliveries* | *0* |
| **Total Demands** | **1,751,000** |

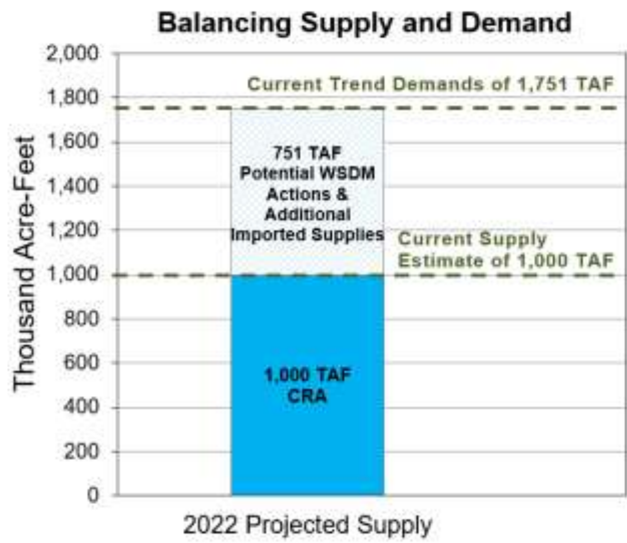
[1] Includes exchange w/ SDCWA (IID/Canal Lining) and CUP sales.




- With reduced local supplies in 2021 due to dry conditions, 2022 demands are projected to be higher than the 5-year average.

## MANAGING SUPPLIES AND DEMANDS

| Supply/Demand Balance | Acre-Feet |
|---|---|
| *Total Supplies* | *1,000,000* |
| *Total Demands* | *1,751,000* |
| **Current Balance Estimate** | **-751,000** |




### Dry-Year WSDM Strategies/Actions

The following WSDM actions are being pursued or are underway to satisfy the estimated supply/demand gap in 2022. In addition, many of these actions enhance Metropolitan's capability of delivering supplies to Metropolitan's SWP dependent areas.

- Withdrawing water from dry-year storage reserves.
- Coordinating with member agencies to identify new drought actions targeted at Metropolitan's SWP dependent areas. These drought actions include system and operations, shifting timing of deliveries, increasing local supplies, increasing conservation, and expanding WSDM programs.
- Executed an agreement with DWR to allow for water withdrawals from Perris Flex storage from Castaic Lake to meet demands near the West Branch of the California Aqueduct.
- Increased exchange amounts with Arvin-Edison for Metropolitan to receive Friant surface water supplies.
- Adjusted distribution system operations to preserve SWP supplies by maximizing the use of Colorado River or stored supplies. These operations include pumping at the Greg Avenue pump station to move Colorado River and stored supplies into the SWP dependent areas 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.
- Partnering with the San Diego County Water Authority to purchase their groundwater stored in the Semitropic Water Bank and lease their pumping capacity to provide Metropolitan the ability to withdraw more of its groundwater stored in the bank.
- 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.

# 2022 WSDM Storage Detail

| WSDM Storage | 1/1/2022 Estimated Storage Levels [1] | CY 2022 Take Capacity [2] | 2022 Total Storage Capacity |
|---|---|---|---|
| **Colorado River Aqueduct Delivery System** | **1,237,000** | **161,000** | **1,657,000** |
| Lake Mead ICS | 1,237,000 | 161,000 [3] | 1,657,000 |
| **State Water Project System** | **625,000** | **169,000** | **1,879,000** |
| MWD SWP Carryover [4]<br>DWCV SWP Carryover [4] | 26,000 | 26,000 | 350,000 |
| MWD Articles 14(b) and 12(e) | 0 | 0 | N/A |
| Castaic Lake (DWR Flex Storage) | 0 | 0 | 154,000 |
| Lake Perris (DWR Flex Storage) | 49,000 | 49,000 [5] | 65,000 |
| Arvin Edison Storage Program | 137,000 | 15,000 [6] | 350,000 |
| Semitropic Storage Program | 218,000 | 42,000 | 350,000 |
| Kern Delta Storage Program | 149,000 | 37,000 | 250,000 |
| Mojave Storage Program | 19,000 | 0 | 330,000 |
| AVEK Storage Program | 27,000 | 0 | 30,000 |
| **In-Region Supplies and WSDM Actions** | **791,000** | **422,000** | **1,246,000** |
| Diamond Valley Lake | 599,000 | 342,000 | 810,000 |
| Lake Mathews and Lake Skinner | 177,000 | 65,000 | 226,000 |
| Conjunctive Use Programs (CUP) [7] | 15,000 | 15,000 | 210,000 |
| **Other Programs** | **637,000** | **47,000** | **1,181,000** |
| Other Emergency Storage | 381,000 | 0 | 381,000 |
| DWCV Advanced Delivery Account | 256,000 | 47,000 | 800,000 |
| **Total** | **3,290,000** | **799,000** | **5,963,000** |
| Emergency | 750,000 | 0 | 750,000 |
| **Total WSDM Storage (AF)** [8] | **2,540,000** | **799,000** | **5,213,000** |

[1] Preliminary start of year balances, subject to DWR adjustments and USBR final accounting in May 2022.

[2] Take capacity assumed under a zero percent SWP Table A Allocation. Storage program losses included where applicable.

[3] Take capacity based on planned maintenance activities and current CRA supply estimate.

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

[5] Also available for withdrawal from Castaic Lake.

[6] Take amounts dependent on exchange capabilities.

[7] 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.

[8] Total WSDM Storage level subject to change based on accounting adjustments.

## Agreements to Exchange or Return Stored Water

| | Future Returns [1] |
|---|---|
| California ICS Agreement – IID [2] | 243,000 |
| Storage and Interstate Release Agreement with Southern Nevada Water Authority [3] | 330,000 |
| **Total (AF)** | **573,000 [4]** |

[1] Rounded to the nearest thousand.

[2] IID can request return in any year, conditional on whether or not Metropolitan is implementing a Water Supply Allocation Plan.

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

[4] Subject to change based on accounting adjustments.

## 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.

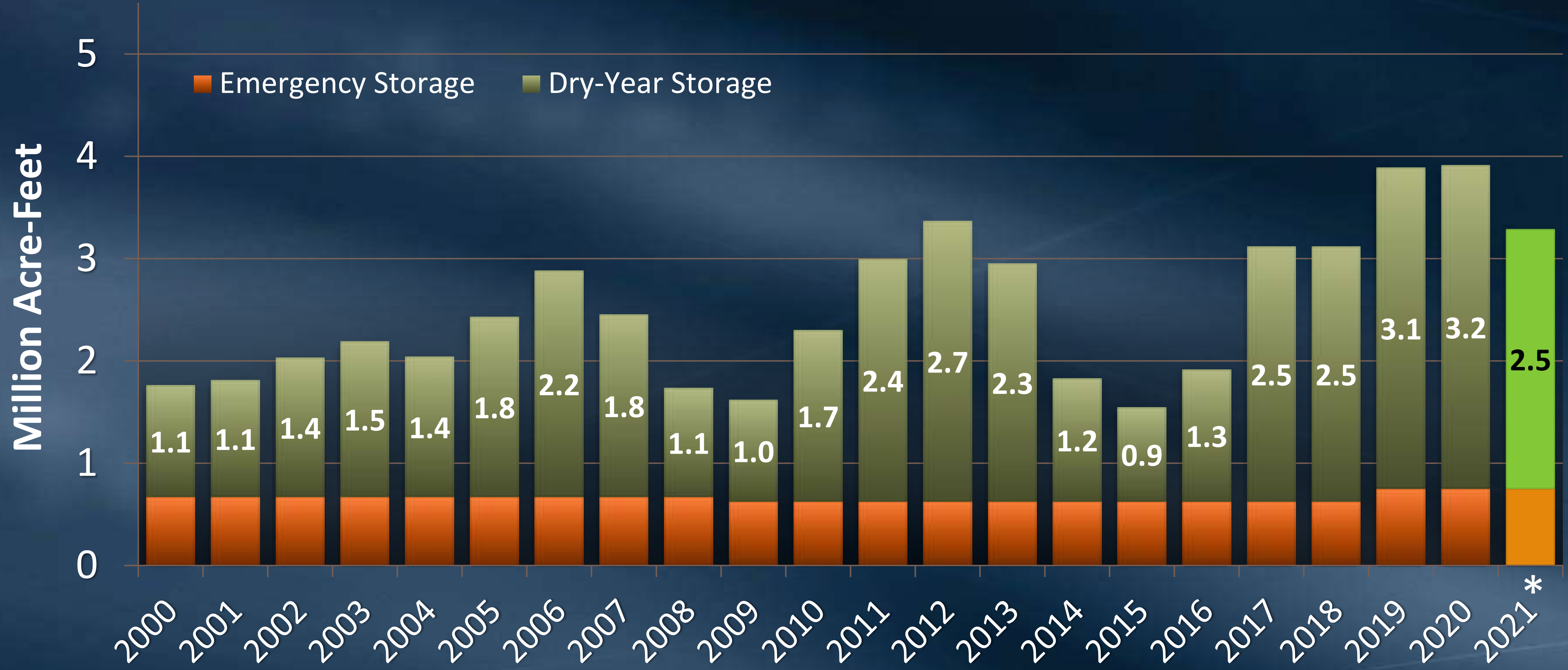
# Update on Water Surplus and Drought Management

Water Planning and Stewardship Committee
Item 6a
January 10, 2022

# Outline

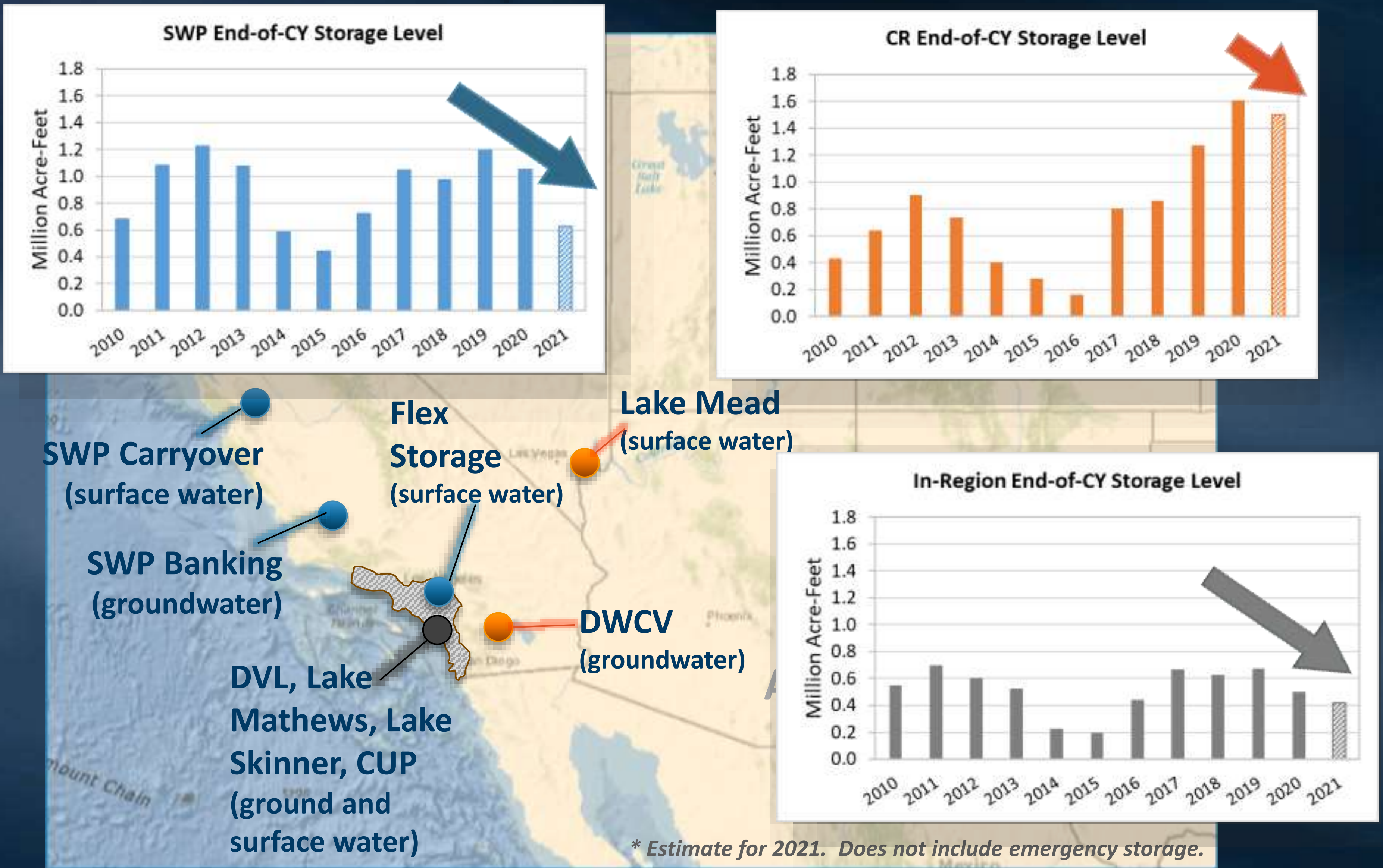
- End-of-Year 2021 Storage Balance Update
- 2022 Supply/Demand Outlook
- Hydrologic Conditions Update

# End of Year Storage Balances




*** Estimate – May change based on supply/demand conditions***

# 2021 end of year balances




** Estimate for 2021. Does not include emergency storage.*

## Update:

- Higher priority water users increase consumption
- Lake Mead ICS net take in 2021
- End-of-year total storage balance: 2.54 MAF

# Preparations for 2022

## WSDM Actions

Execute actions and strategies to address annual supply/demand imbalances

- Withdraw from storage – within and outside of service area
- Purchase transfer supplies
- Increased water use efficiency messaging

# Preparations for 2022, cont'd

## Drought Actions

Develop and implement specific actions targeted to address unique drought conditions

**SWP Dependent Areas**

- **Operational/Institutional modifications**
  - Operational Cost Offset Program
  - Zero blends to preserve SWP supplies
- **Distribution modifications**
  - DVL to Lakeview and Mills
  - Greg Avenue Pump Station
- **Demand Management**
  - Emergency Drought Declaration
  - Outreach: Increased coordination with PIOs, custom ads, Point of Purchase Program, targeted social media
- **Supply Development**
  - Increased returns from Arvin Edison Exchange
  - Partnership with SDCWA – groundwater purchase
  - Partnership with SBMVWD - exchanges
  - IRWD storage draw

# Preparations for 2022, cont'd

## Coordination with the Department of Water Resources

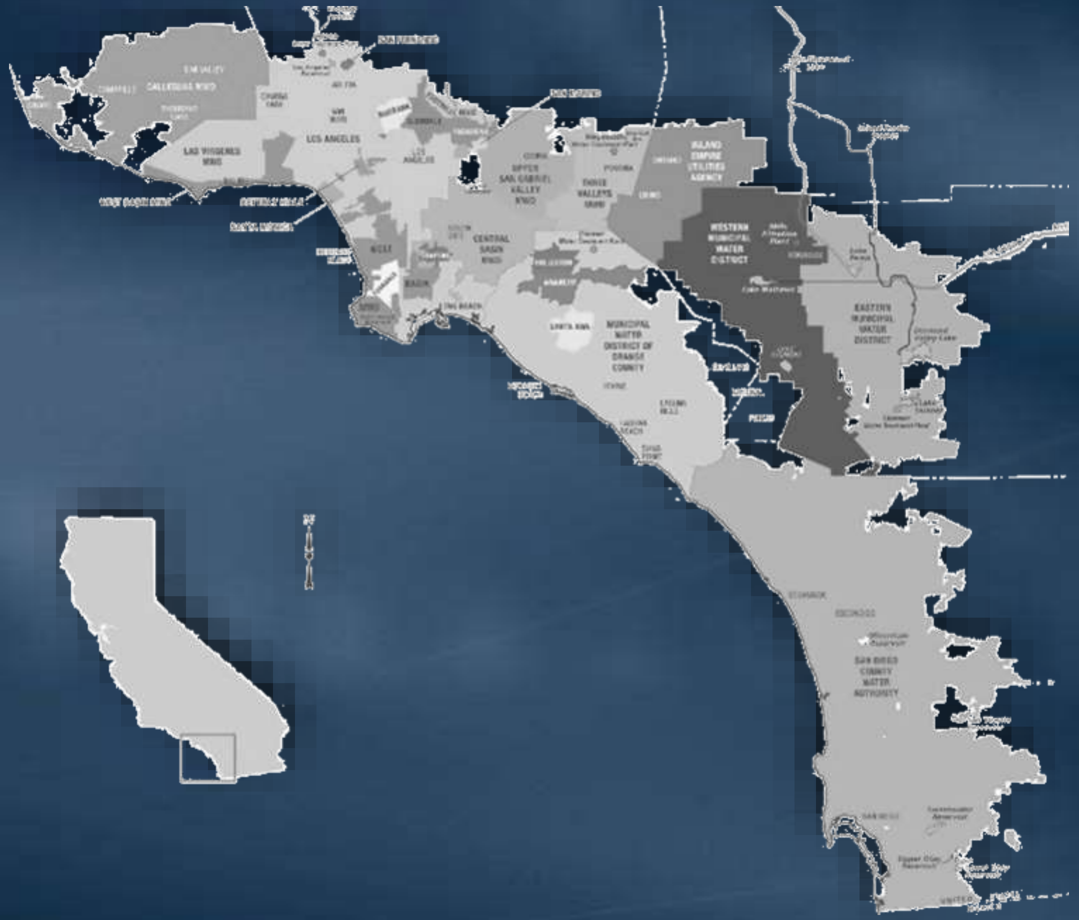
Advocate for Metropolitan and SWP Contractor interests

- Worked with DWR to exercise a contract provision to allow delivery of Human Health & Safety (HH&S) water in the face of a zero percent Table A Allocation
- Developed a HH&S assessment methodology
- Support of Temporary Use Change Petition (TUCP) to allow relaxation of regulatory requirements should dry conditions persist
- Delivery of Perris Flexible supply from Castaic

# DWR will deliver water in 2022

- Table A Allocation remains at zero percent
- DWR allocating water supplies based on unmet minimum Human Health & Safety (HH&S) Demands
- DWR expects to deliver 340 TAF for HH&S to SWP contractors who identified a need

# Preliminary 2022 Supply/Demand Assessment



**Regional Supply/Demand Balance:**

| | |
|---|---|
| Demand Estimate: | 1.75 MAF |
| Supply Estimate : | 1.00 MAF |
| Estimated Gap: | 0.75 MAF |

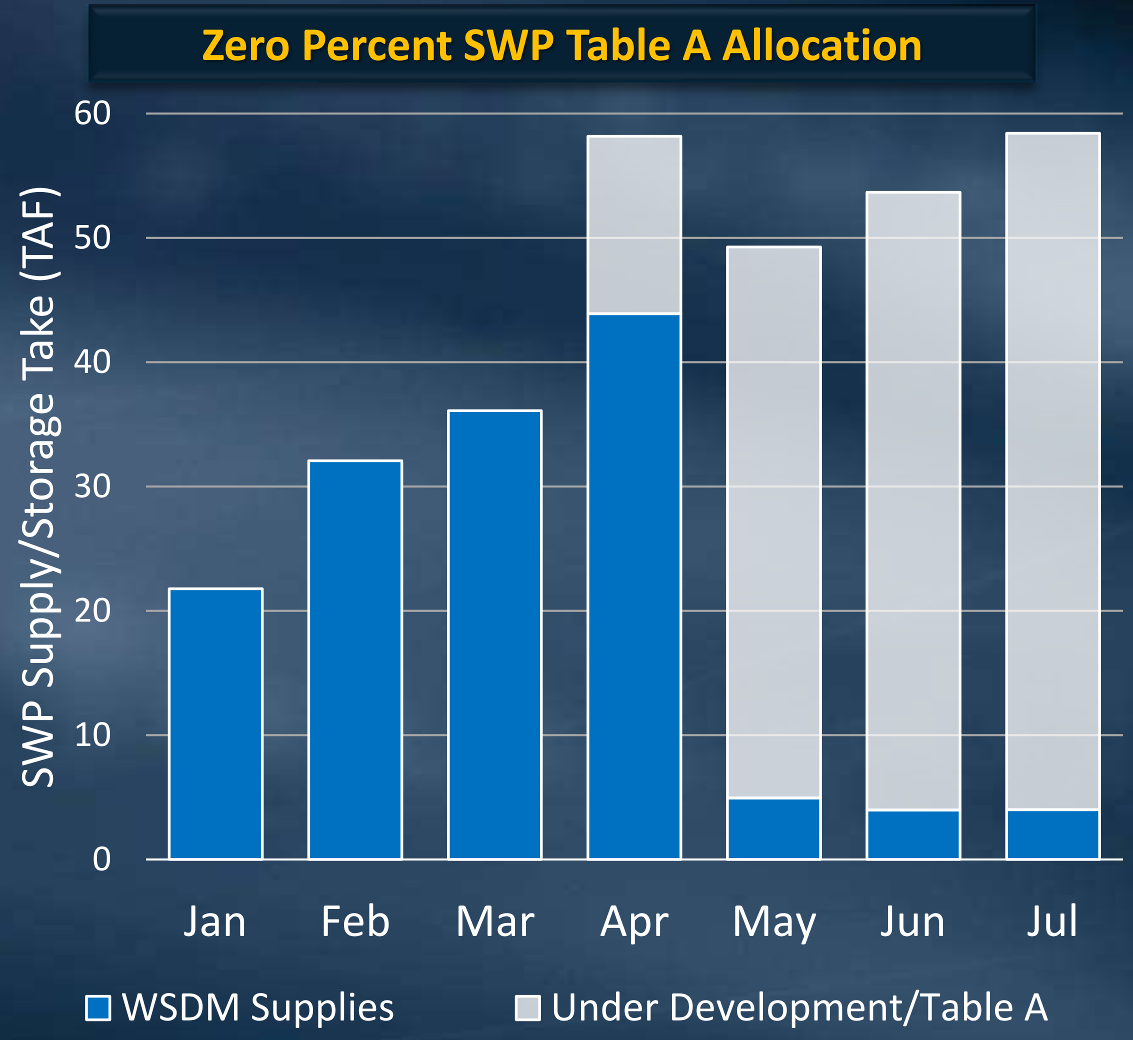
Sufficient storage and Colorado River and local supplies to satisfy majority of regional demand

# HH&S needs identified for SWP Dependent Area


- Insufficient supplies at a zero percent SWP Table A Allocation to meet "SWP Dependent Area" full demand in 2022
- Metropolitan's total HH&S need is ~270 TAF after factoring in other available supplies and remaining available storage

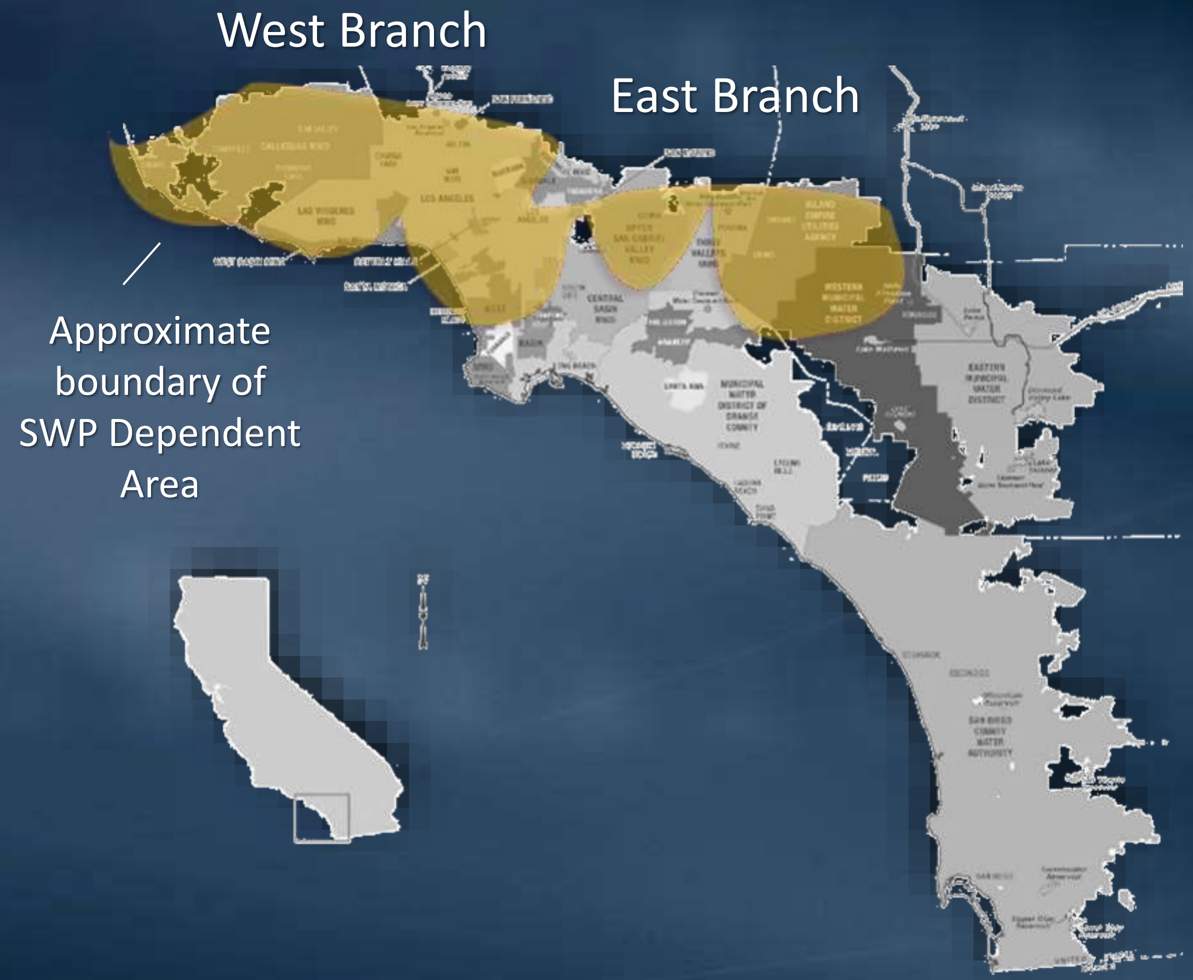
# Available supplies sufficient through April

East and West Branch Combined, includes system water for water quality




Additional actions under development include new supply programs and demand management measures including additional conservation measures for SWP Dependent Areas imposed through California Water Code Sections 350 and 375

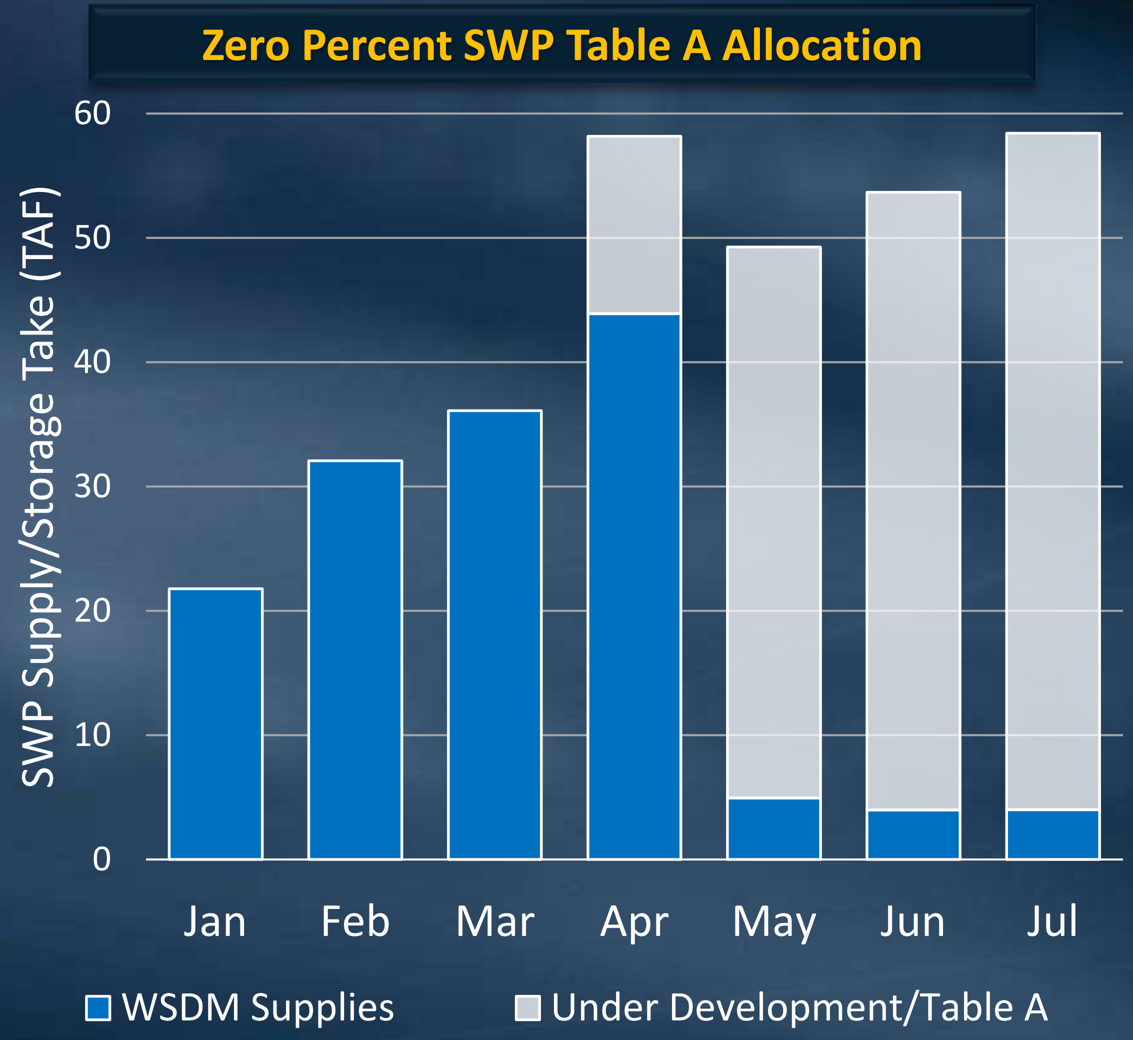
# Metropolitan seeks to avoid or defer use of HH&S

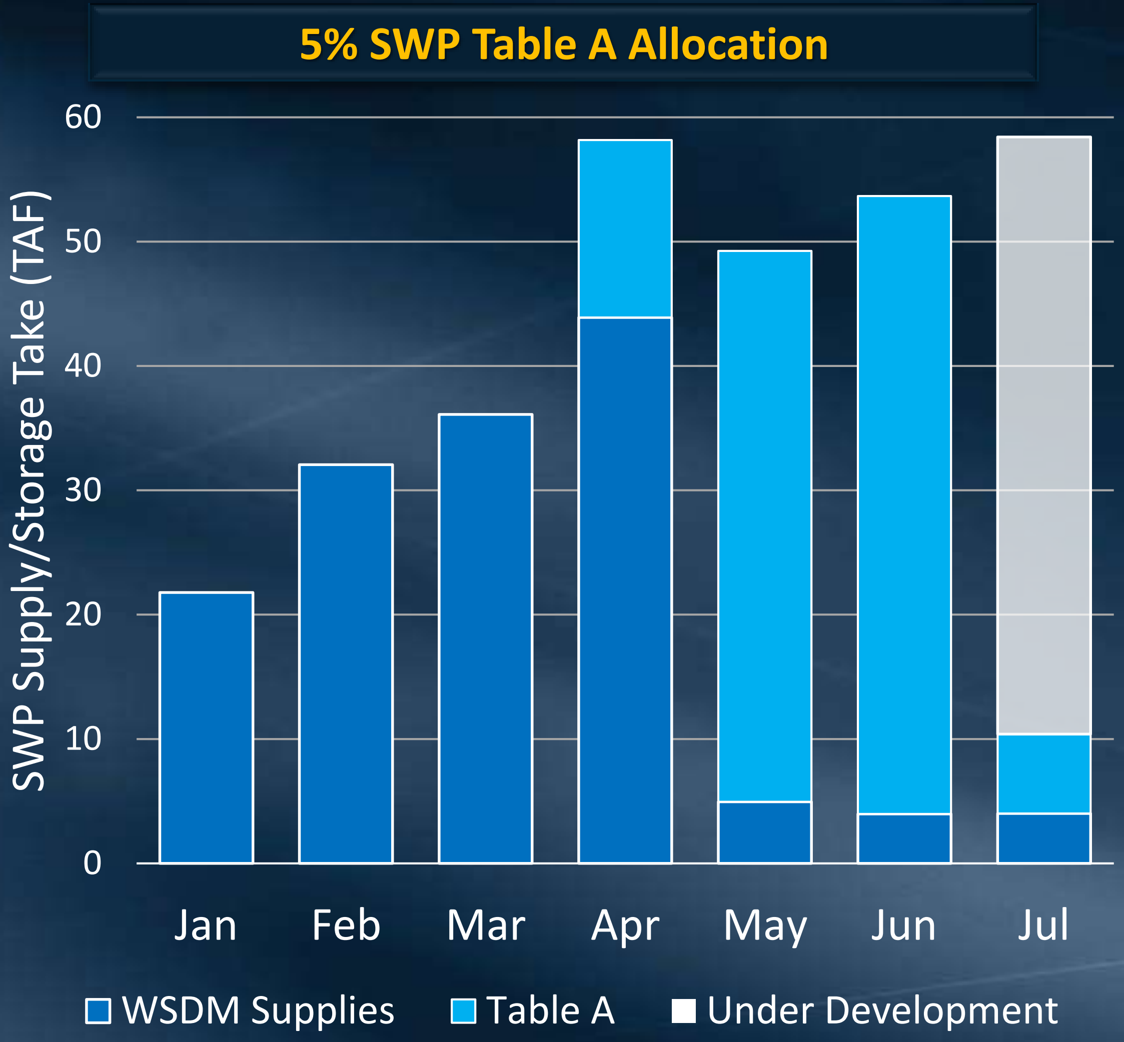



- Metropolitan is coordinating with impacted member agencies and identifying and implementing additional actions to develop new or stretch out existing supplies
- The goal is to avoid the need to take delivery of HH&S water
- Areas receiving HH&S water are expected to limit consumer water use to critical needs only (e.g., no watering of ornamental landscape)

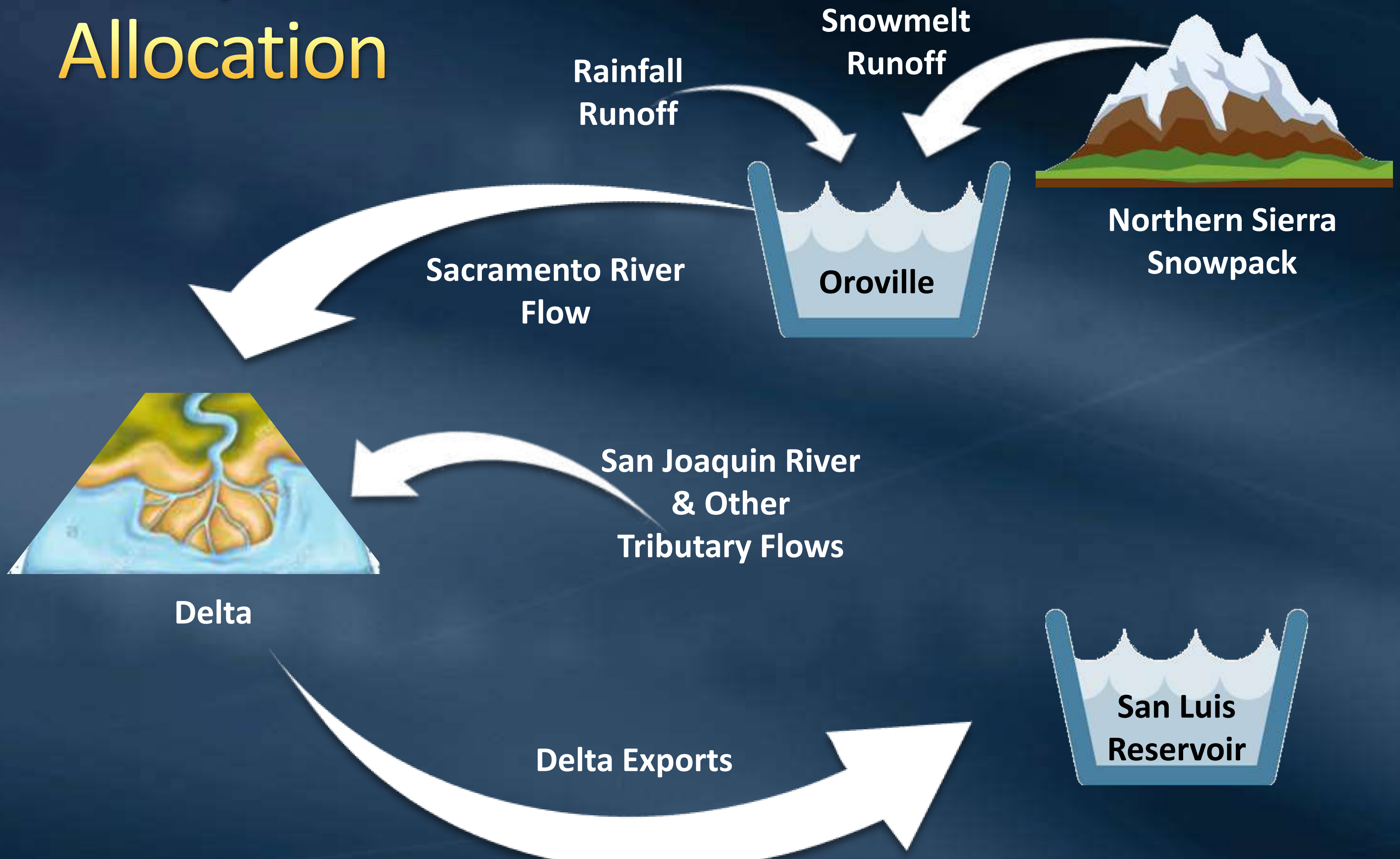
# Any Table A Allocation Defers HH&S Initiation

East and West Branch Combined, includes system water for water quality



# Components contributing towards a SWP Table A Allocation




- **Forecasted Runoff**
- **Delta Exports**
- **Storage Levels**

# Recent storms boosts statewide snowpack to half the annual peak accumulation

Conditions as of 1/4/2022

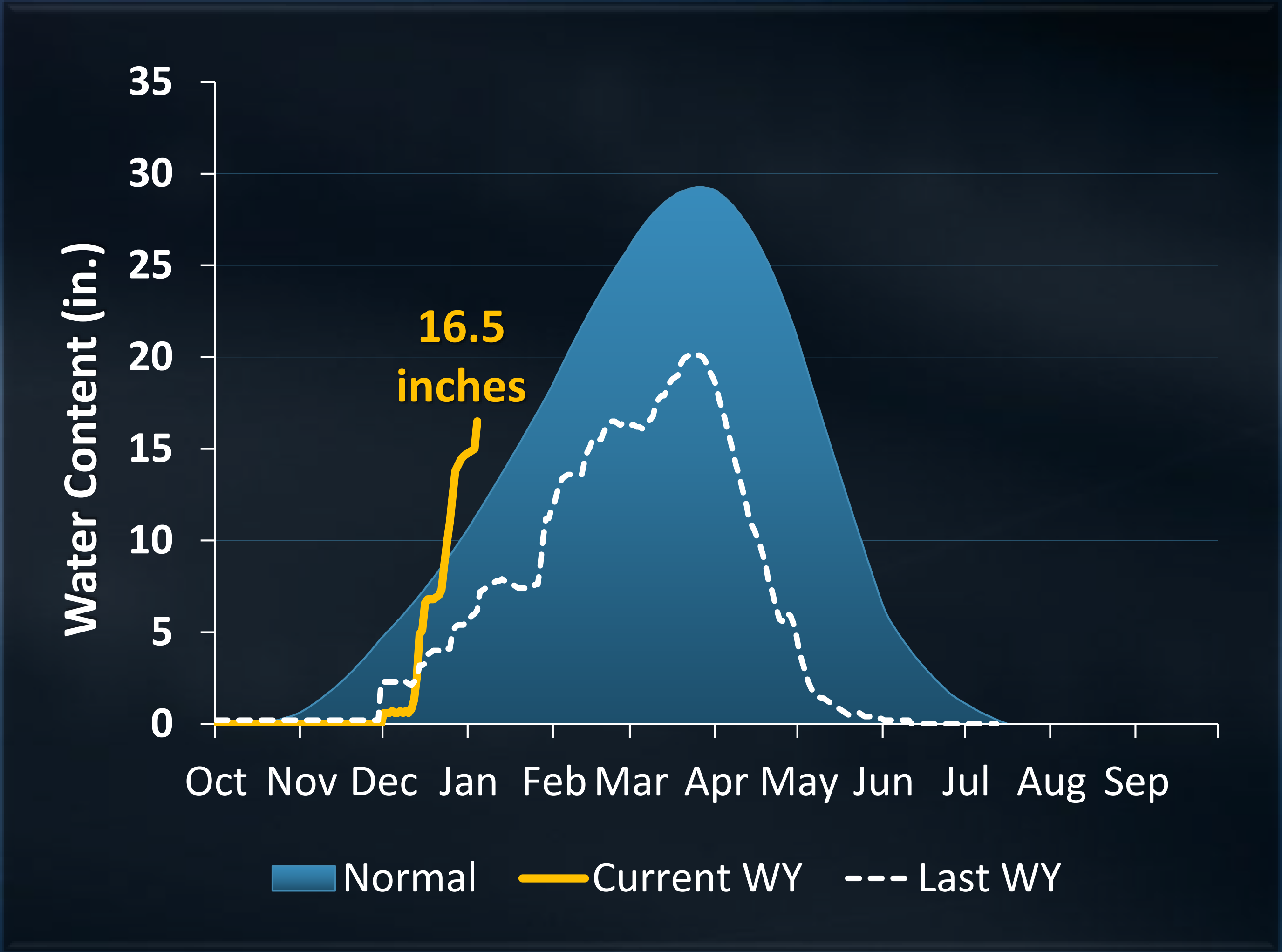

**Northern Sierra**
Truckee, CA


**Central Sierra**
UC Berkeley Snow Lab


**Southern Sierra**
Mammoth Mountain

# Northern Sierra snowpack above normal

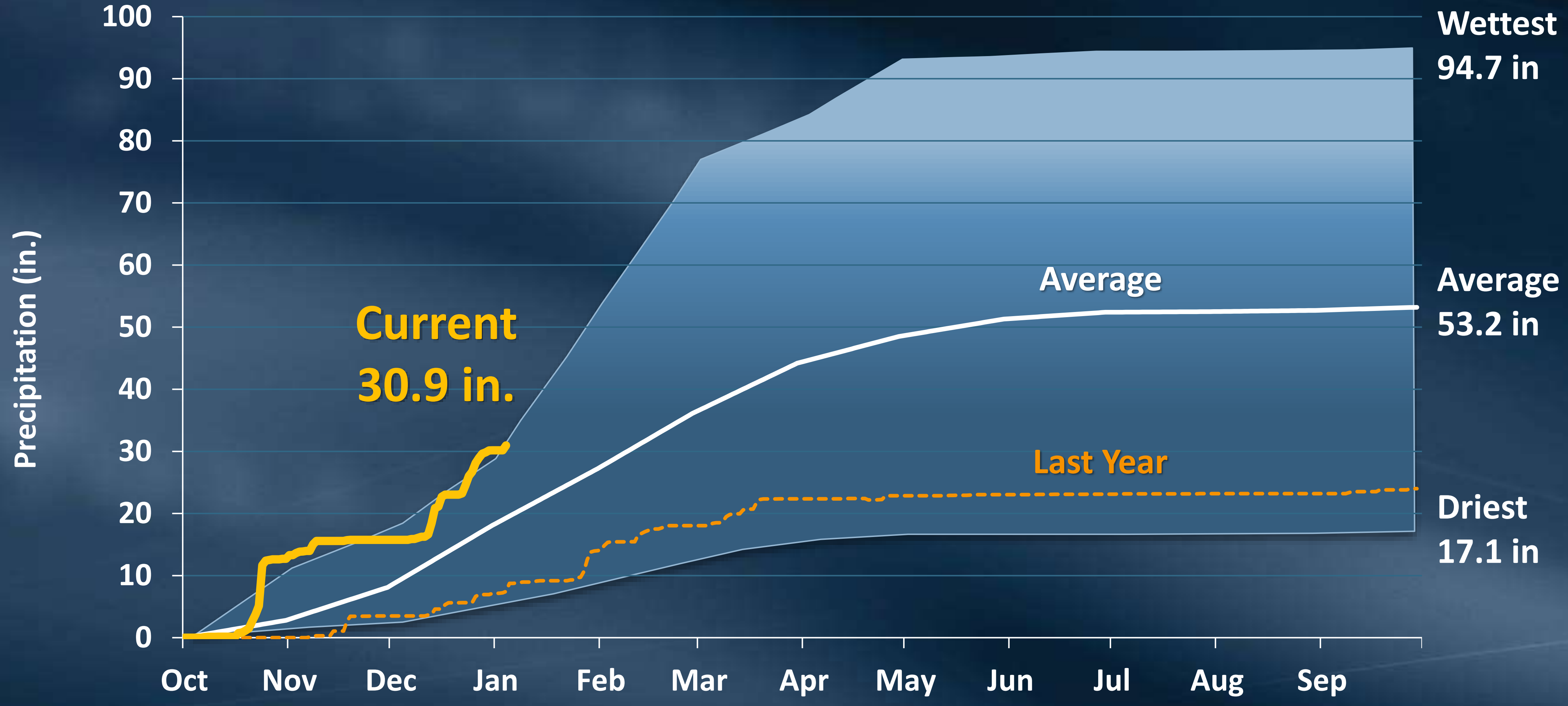
As of 1/4/2022





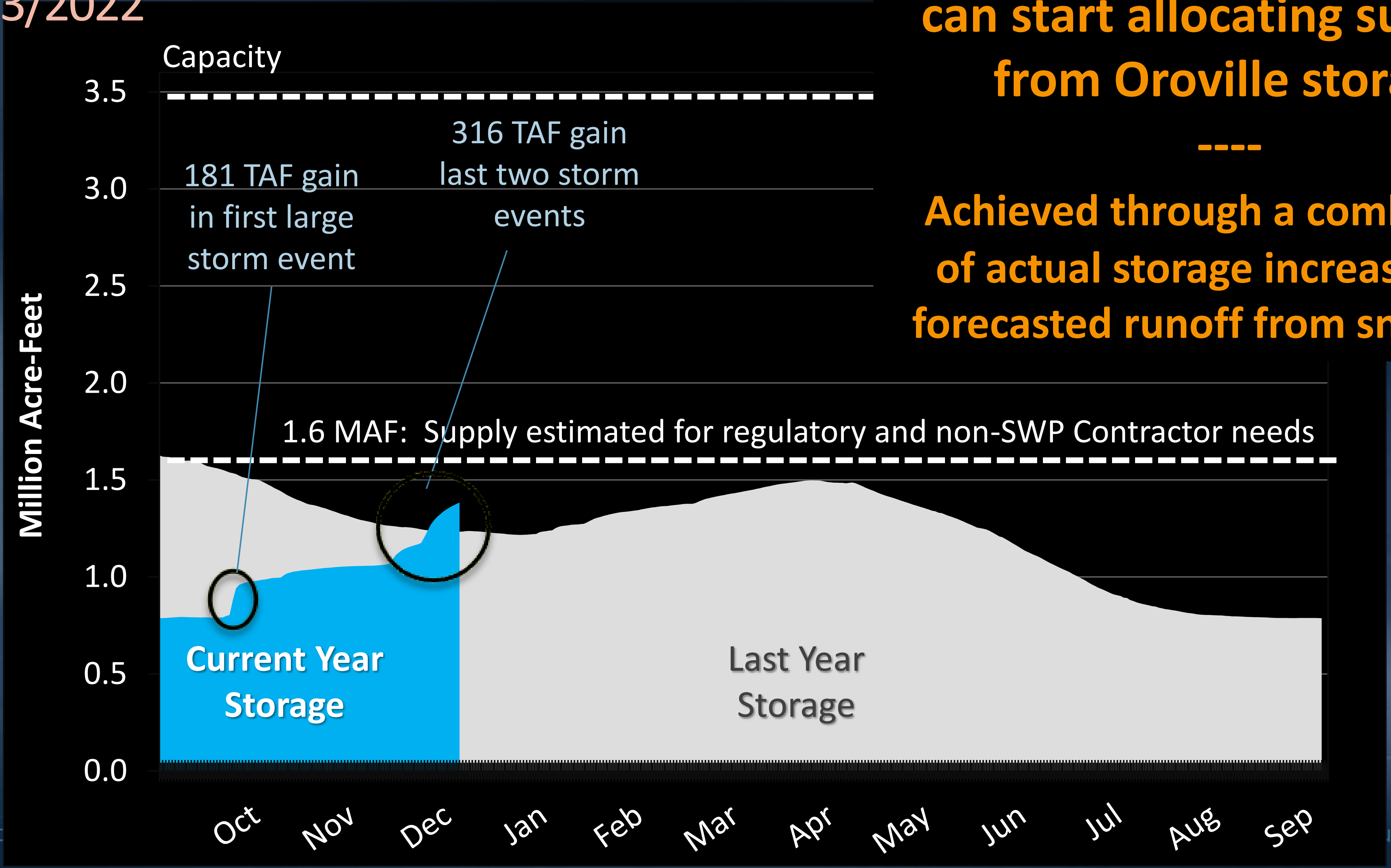
# Northern Sierra Precipitation: 8-Station Index

As of 1/4/2022



# Lake Oroville

## As of 1/3/2022




**~216 TAF needed before DWR can start allocating supplies from Oroville storage**

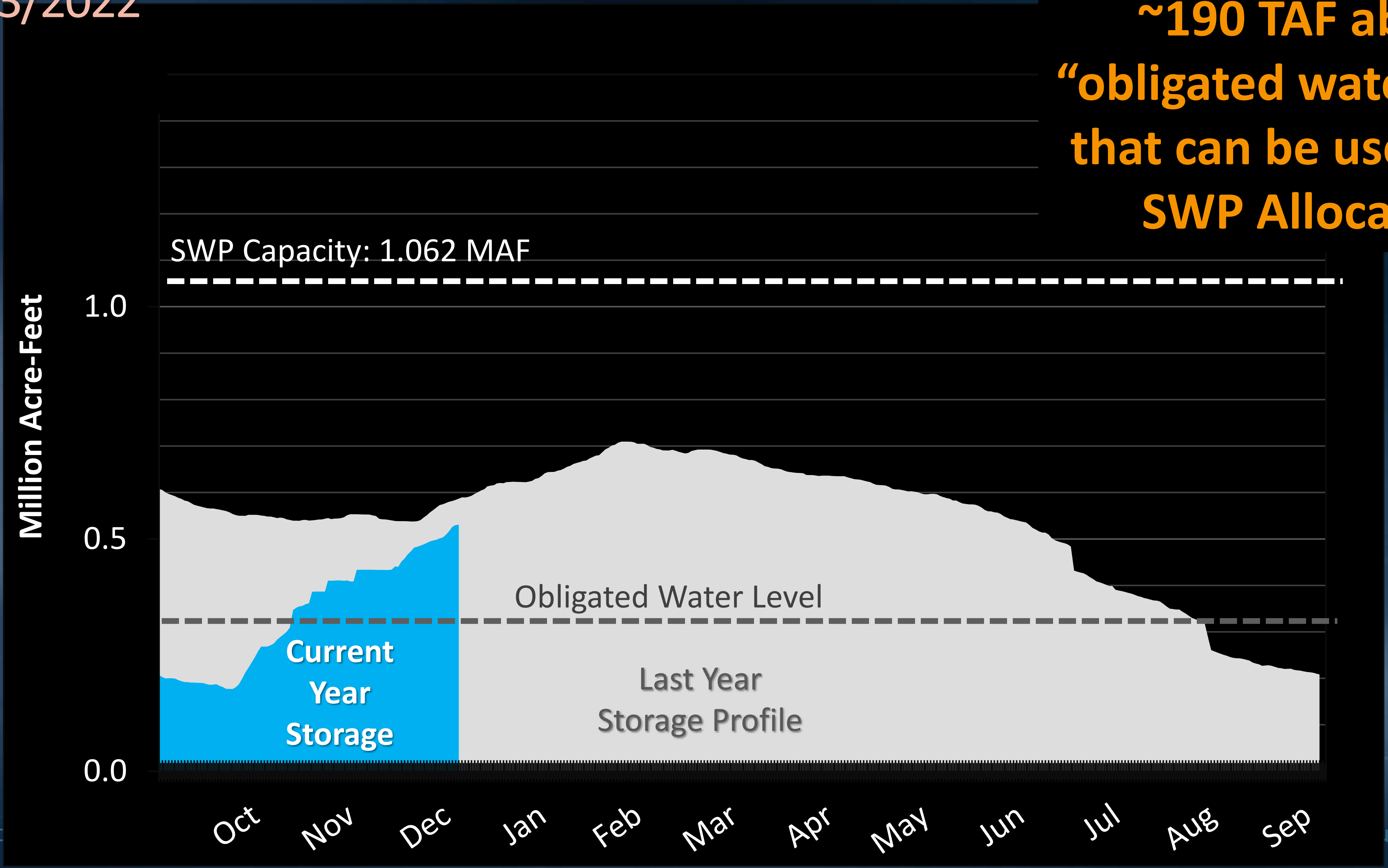
**----**

**Achieved through a combination of actual storage increases and forecasted runoff from snowpack**

# San Luis Reservoir – SWP Share

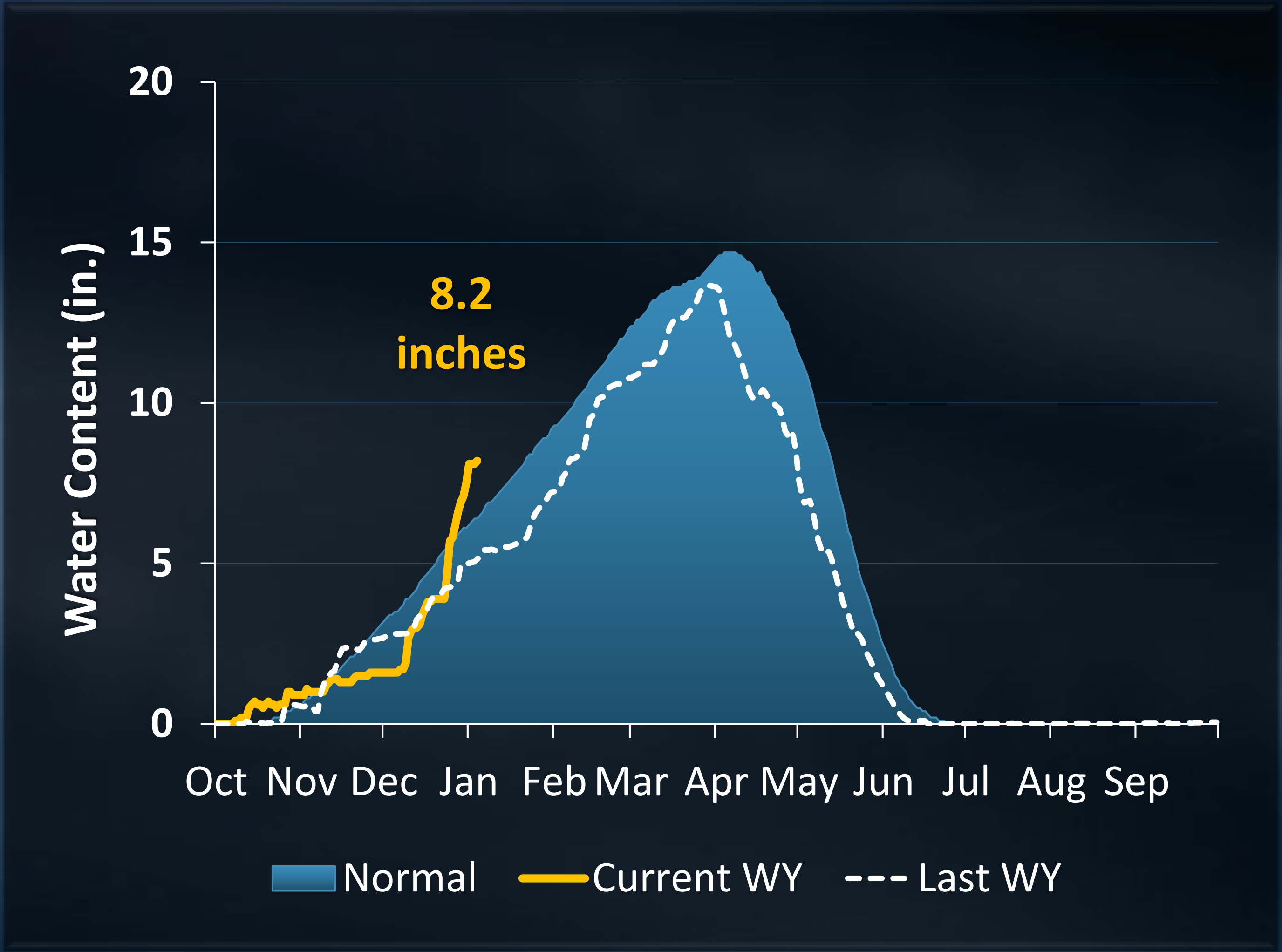
As of 1/3/2022

**~190 TAF above "obligated water level" that can be used for a SWP Allocation**



# Upper Colorado River Basin snowpack above normal

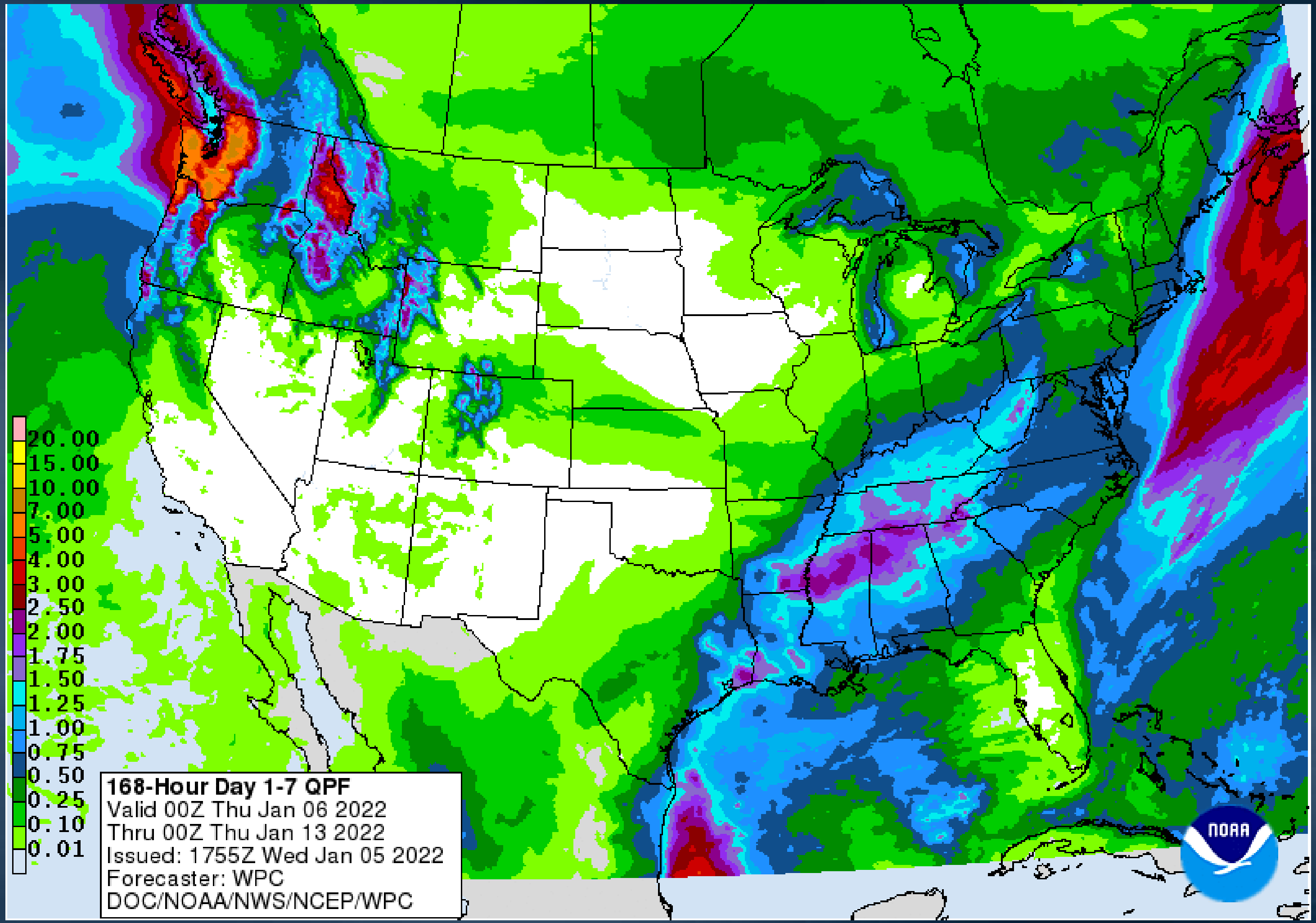
As of 1/4/2022





# Additional precipitation in the forecast

## Jan 6 -  Jan 13



# Improved conditions may support Table A allocation

- SWP storage is improving
  - Oroville storage of 1.3 MAF (72% of average) insufficient to support Table A allocation at this time
  - ~190 TAF of storage in SWP share of San Luis to support 2022 allocation
- Allocation studies lag current hydrologic conditions by a month
  - Runoff projections have improved since initial allocation study
  - Expect additional improvements to runoff forecast in February study

# Summary

- Mid-December storms brought much needed precipitation that support a Table A Allocation
- Metropolitan and Member Agency actions are reducing the 2022 supply/demand gap for the "SWP Dependent Area" but more is needed
- Metropolitan is preparing to take additional actions to conserve water supplies for the greatest public benefit should drought conditions persist

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

1928

# • 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 December 2021.

## Purpose

Informational

## Detailed Report

**500+ Plan Memorandum of Understanding**

Following the Metropolitan Board's approval of participation in the 500+ Plan at the December 14 Board meeting, representatives of the United States, Arizona, Central Arizona Water Conservation District, Nevada, Southern Nevada Water Authority, and Metropolitan signed the 500+ Plan memorandum of understanding (MOU) at a signing ceremony on December 15. The 500+ Plan MOU commits the parties to the goal of adding or retaining at least 500,000 acre-feet of water in Lake Mead in 2022 and 2023. In the MOU, the non-federal parties commit to collectively contributing $100 million, with a federal commitment to work to match the non-federal funding in the amount of $100 million. The parties to the 500+ Plan MOU anticipate developing funding and implementation agreements starting in early 2022.

On December 20, the Bureau of Reclamation released the spending plan for the $210 million provided in the Extending Government Funding and Delivery Emergency Assistance Act (P.L. 117-43), including $40 million for the implementation of the 500+ Plan. Of the $40 million allocated, $26 million will go to the Lower Colorado River Operations Program to continue the implementation of Drought Contingency Plan activities, and $14 million to shore up water firming rights for Tribal communities during times of shortage in the Central Arizona water supply. With the funding for the plan secured, Metropolitan staff has been in discussions with agricultural districts in California to explore additional conservation actions that could help meet the goals of the 500+ Plan.

**Quechan Seasonal Fallowing Agreement**

Following Metropolitan's Board authorization in November, on December 15 representatives from Metropolitan and the Fort Yuma Quechan Indian Tribe (Quechan Tribe) signed an agreement in which Metropolitan will pay the Quechan Tribe to seasonally fallow a portion of their currently irrigated lands from April through July of 2022 and 2023. The conserved water will be made available to Metropolitan and reduce its need to take Intentionally Create Surplus out of Lake Mead to fill the Colorado River Aqueduct in dry years. During implementation of the two-year pilot fallowing program, Metropolitan and the Quechan tribe will evaluate the program and consider a longer-term program beginning in 2024. The seasonal fallowing program builds on an existing forbearance program between the agencies in which Metropolitan incentivizes the Quechan Tribe to not increase its water use that it has a legal right to use.

**Colorado River Water Users Association Annual Conference**

After a one-year hiatus, the Colorado River Water Users Association held its annual conference in Las Vegas during December 14-16. Most of the speakers at the conference highlighted ongoing dry conditions facing the Colorado River Basin, recognizing the need for increased conservation to protect Lake Powell and Lake Mead. It was noted that there is a chance that Lake Powell could fall below its ability to generate power in 2022. The 500+ plan to protect Lake Mead was signed at the conference, but it was recognized that this is only a first step developing a longer-term sustainability plan for the Colorado River. Metropolitan General Manager Adel Hagekhalil spoke to the conference attendees acknowledging that all agencies need to work together to protect the Colorado River and that no one can be left out of the solution.

# Water Resource Management Manager’s Report

Water Planning and Stewardship Committee
Item 7b
January 10, 2022

# Conservation Activity

## FY 20/21-21/22 (1)

| | Paid(2) | Committed(3) |
|---|---|---|
| Regional Devices | $5.8M | $3.6M |
| Member Agency Administered | $2.2M | $9.2M |
| Turf Replacement | $11.5M | $15.0M |
| Advertising | $0.1M | $1.0M |
| Other | $2.1M | $1.2M |
| **TOTAL** | **$21.7M** | **$30.0M** |

(1) The Conservation Program biennial expenditure authorization was $86M and expected expenditures for rate setting purposes were $50M.

(2) As of 7/1/2020 –11/30/2021.

(3) Committed dollars as of December 10, 2021.

# Conservation Activity

## FY 20/21-21/22

**Turf Replacement Rebates:**

November: 365,320 $ft^2$ removed

**FY2020/21-FY2021/22: 5,858,676 $ft^2$ removed**

**Clothes Washers:**

November: 1,833 units rebated

**FY2020/21-FY2021/22: 23,584 units rebated**

**Sprinkler Nozzles:**

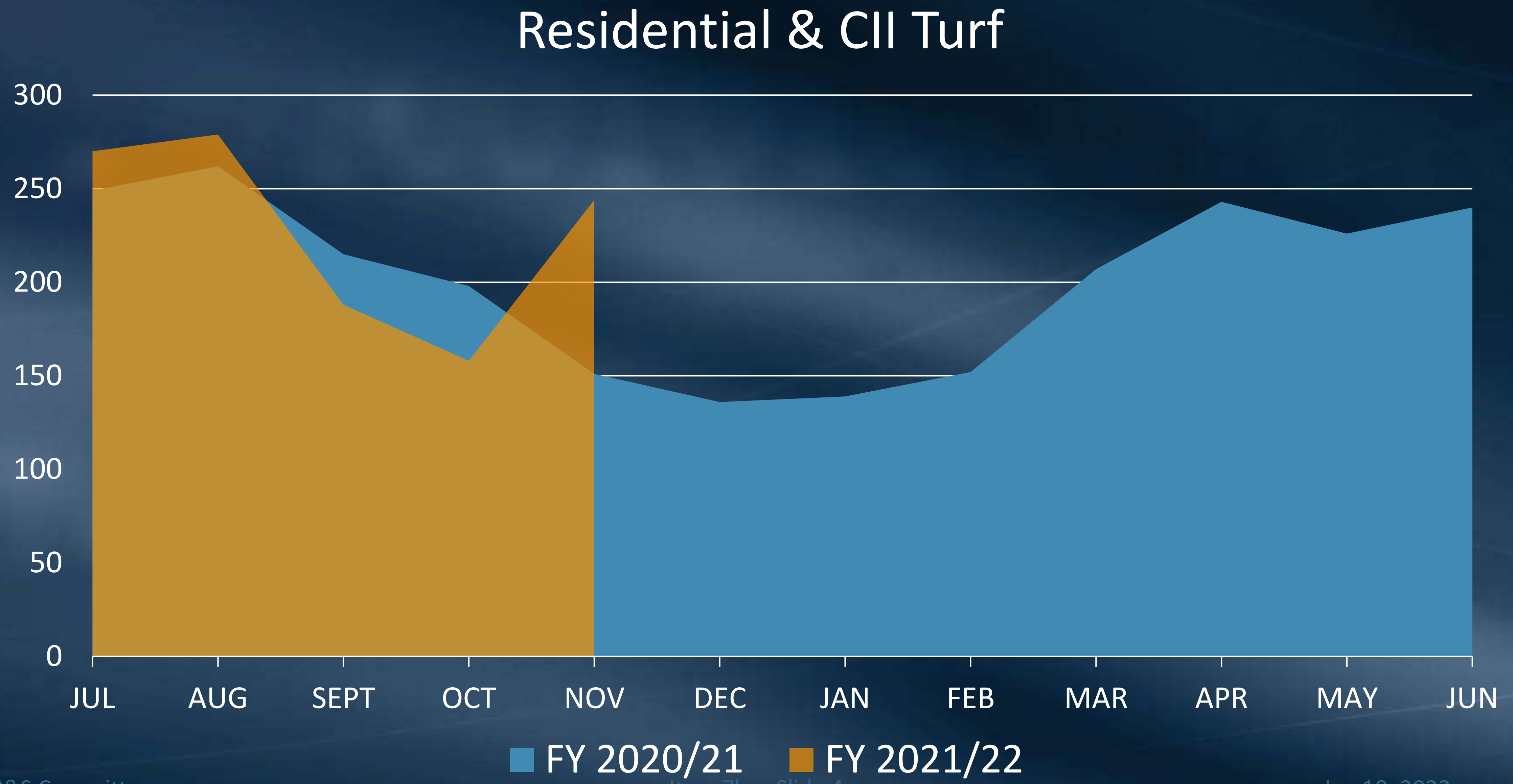
November: 6,522 units rebated

**FY2020/21-FY2021/22: 41,756 units rebated**

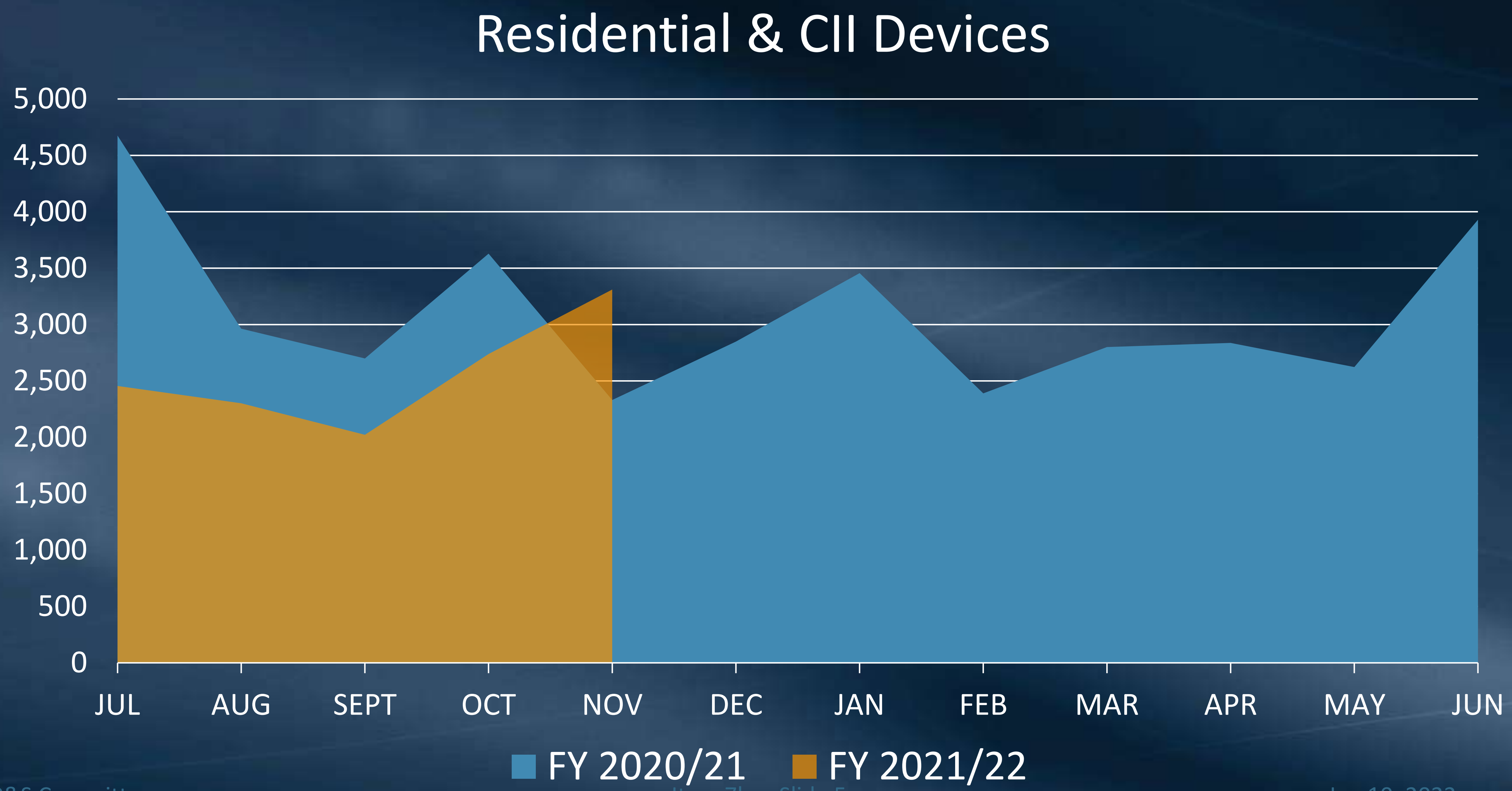
**Lifetime Water Savings to be achieved by all rebates in November 2021: 3,145 AF**

FY2020/21-FY2021/22: 55,335 AF lifetime water savings

# Turf Removal Application Activity



# Device Application Activity



# Update on Grant Applications

- DWR Urban and Multi-Benefit Drought Relief Grant
  - $10 million grant application submitted in Nov. 2021 for turf replacement and direct installation of devices with SoCal gas
  - DWR received 147 proposals and announced 20 Phase 1 awards totaling $53 million
  - Metropolitan's application moved to Phase 2 (applications close Jan. 14)
- U.S. Bureau of Reclamation Water & Energy Efficiency Grant
  - $2 million grant application submitted in Nov. 2021 to supplement funding for public agency landscape transformations
  - USBR will notify applicants this spring

# Future Supply Actions Webinar: Potable Reuse

- Held on December 7
- Featured potable reuse studies
  - Eastern MWD
  - City of Fullerton/OCWD
- Attended by more than 90 participants
- Metropolitan invested $650,000 in these studies