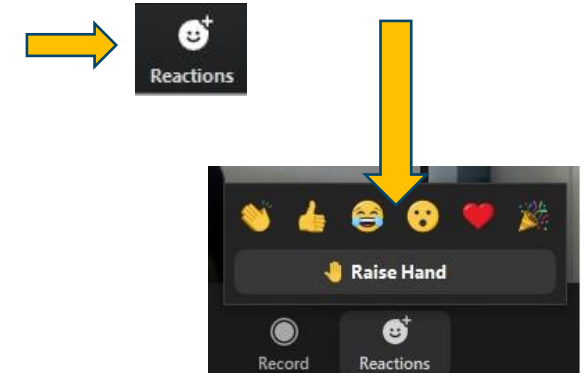


# Meeting Instructions While We Gather

- You have been muted upon entry
- Please feel free to **Unmute** yourself to say “Hi” and test your sound connection
- Please **Mute** yourself during meeting when you are not talking
- **During the meeting, BAWSCA staff will mute your sound and video if necessary**
- The **Raise Hand** feature will be used for Board questions
- To get the **Raise Hand** button, Click on **Reactions** button at the bottom of your screen and Select **Raise Hand**
- The **Chat** function has been disabled for this meeting
- If you have technical difficulties, please text Lourdes at 650-799-3854

Bottom left corner  
of your screen





“A multicounty agency authorized to plan for and acquire supplemental water supplies, encourage water conservation and use of recycled water on a regional basis.”

*[BAWSCA Act, AB2058 (Papan-2002)]*

## **Board of Directors Meeting September 16, 2021**

# Call to Order and Roll Call

**Every drop counts. Use water wisely.**



Make the change to  
California native plants  
and use less water.



[SaveOurWater.com](http://SaveOurWater.com)



# Comments by the Chair



# Board Policy Committee Report





# Public Comment on Items Not on the Agenda





# SFPUC Report

**Every drop counts. Use water wisely.**



1 lawn watering =  
71 loads

Make the change to California  
native plants and use less water.



[SaveOurWater.com](http://SaveOurWater.com)

# **Water Supply Update and Tuolumne River Diversion Curtailment Orders**

Steven R. Ritchie

Assistant General Manager, Water

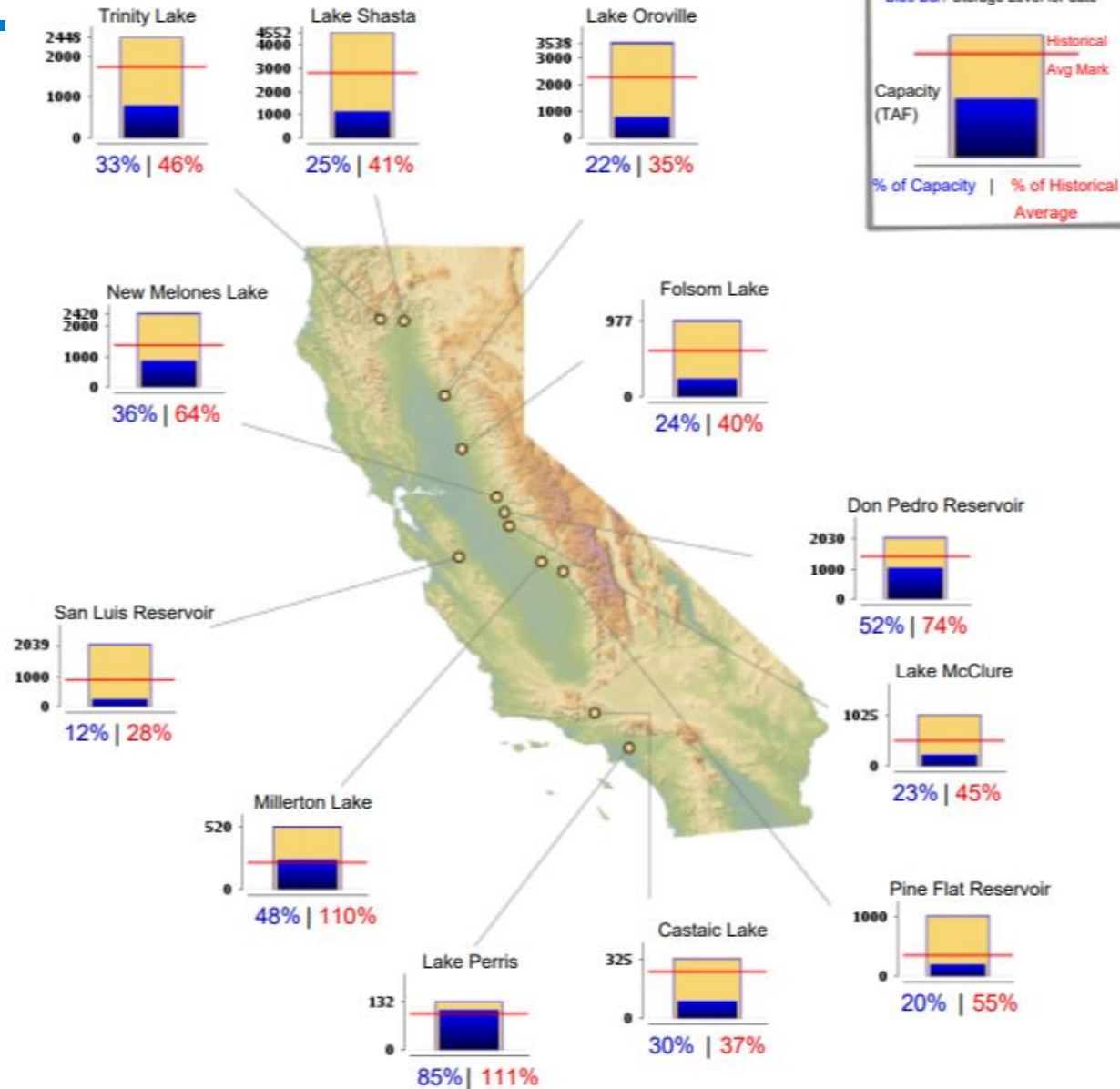
September 16, 2021



# September 13, 2021 Reservoir Storage

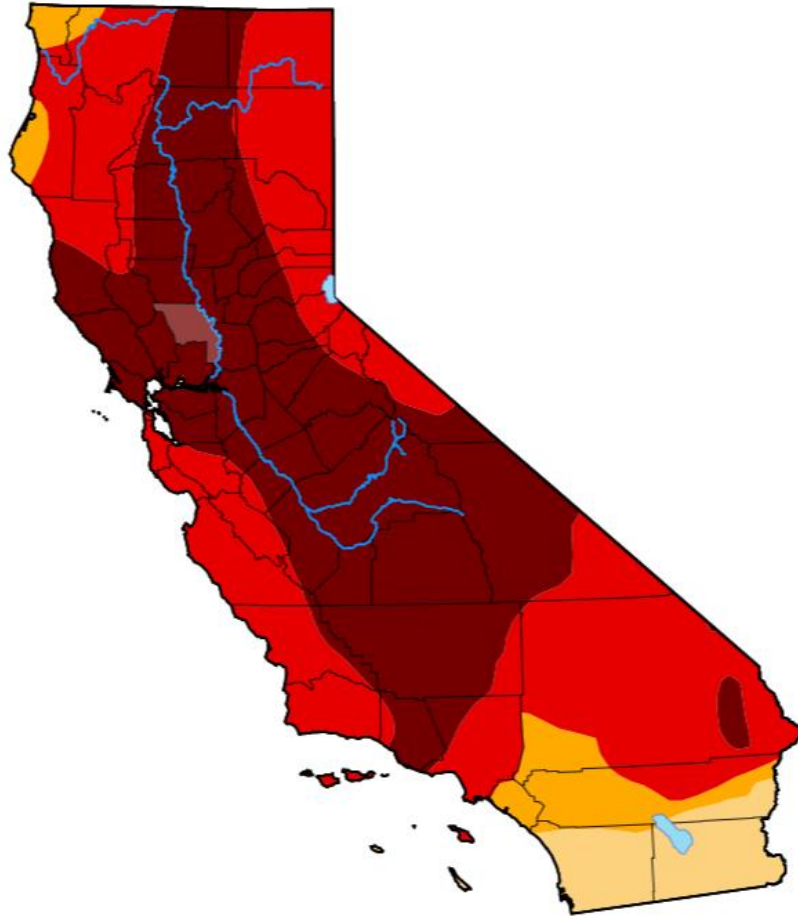
Reservoir	Current Storage <sup>1,2,3</sup> (AF)	Maximum Storage <sup>4</sup> (AF)	Available Capacity (AF)	Percent of Maximum Storage	Normal Percent of Maximum Storage <sup>5</sup>
<u>Tuolumne System</u>					
Hetch Hetchy	255,500	360,360	104,860	70.9%	<b>81.3%</b>
Cherry	200,900	273,345	72,445	73.5%	-
Eleanor	20,490	27,100	6,610	75.6%	-
Water Bank	358,916	570,000	211,084	63.0%	<b>97.5%</b>
<b>Total Tuolumne Storage</b>	<b>835,806</b>	<b>1,230,805</b>	<b>394,999</b>	<b>67.9%</b>	-
<u>Local System</u>					
Calaveras	54,362	96,670	42,308	56.2%	-
San Antonio	43,584	53,266	9,682	81.8%	-
Crystal Springs	49,587	58,309	8,722	85.0%	-
San Andreas	16,297	19,027	2,730	85.7%	-
Pilarcitos	1,661	3,030	1,369	54.8%	-
<b>Total Local Storage</b>	<b>165,491</b>	<b>230,302</b>	<b>64,811</b>	<b>71.9%</b>	-
<b>Total System Storage</b>	<b>1,001,297</b>	<b>1,461,107</b>	<b>459,810</b>	<b>68.5%</b>	<b>83.3%</b>
<b>Total without water bank</b>	<b>642,381</b>	<b>891,107</b>	<b>248,726</b>	<b>72.1%</b>	-

## Other California Reservoirs





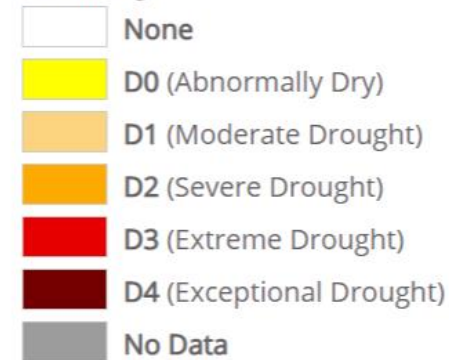
# California Drought Monitor



Map released: Thurs. September 9,  
2021

Data valid: September 7, 2021 at 8 a.m. EDT

## Intensity



## Authors

United States and Puerto Rico Author(s):

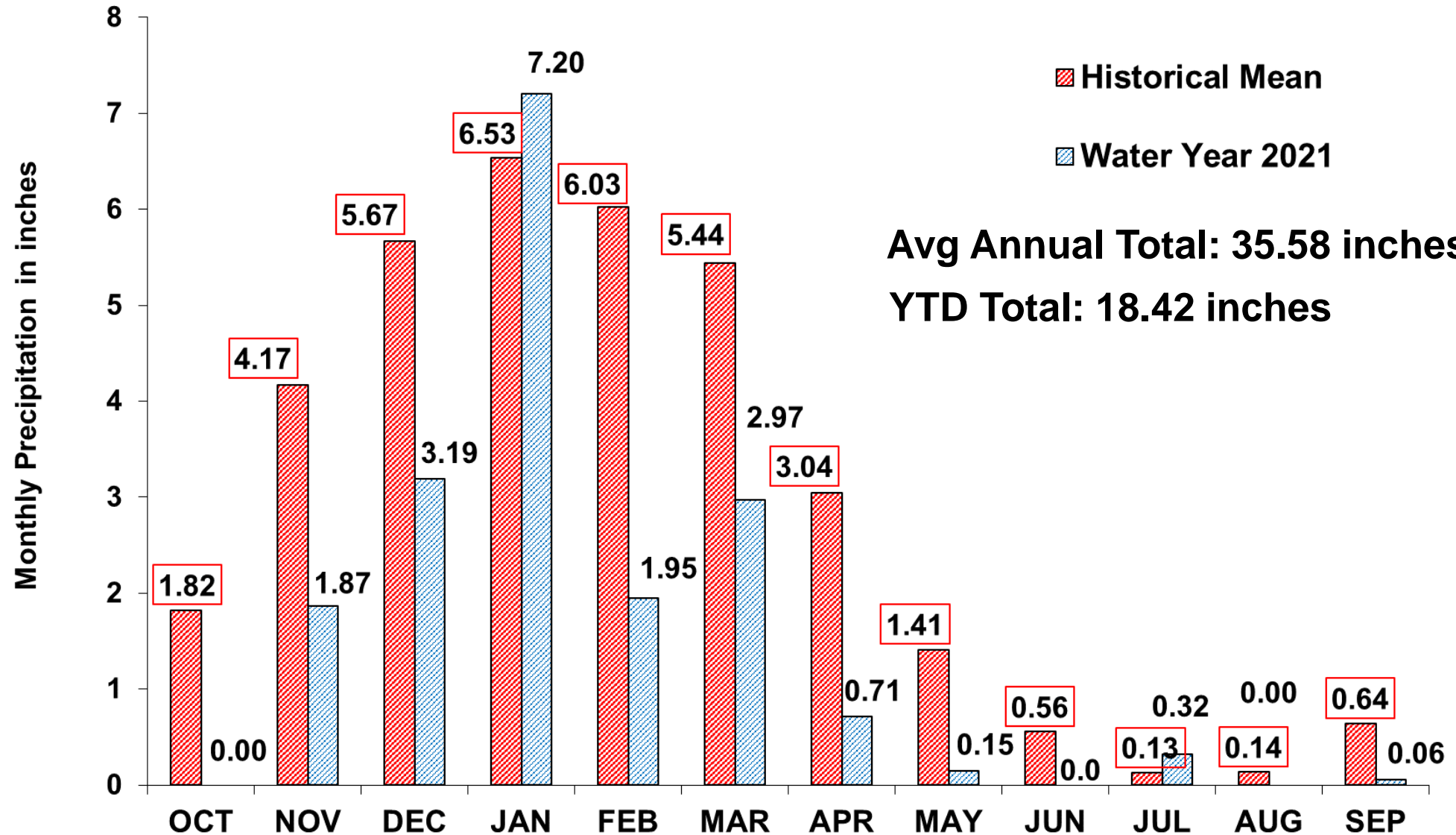
**David Simeral**, Western Regional Climate Center

Pacific Islands and Virgin Islands Author(s):

**Richard Tinker**, NOAA/NWS/NCEP/CPC

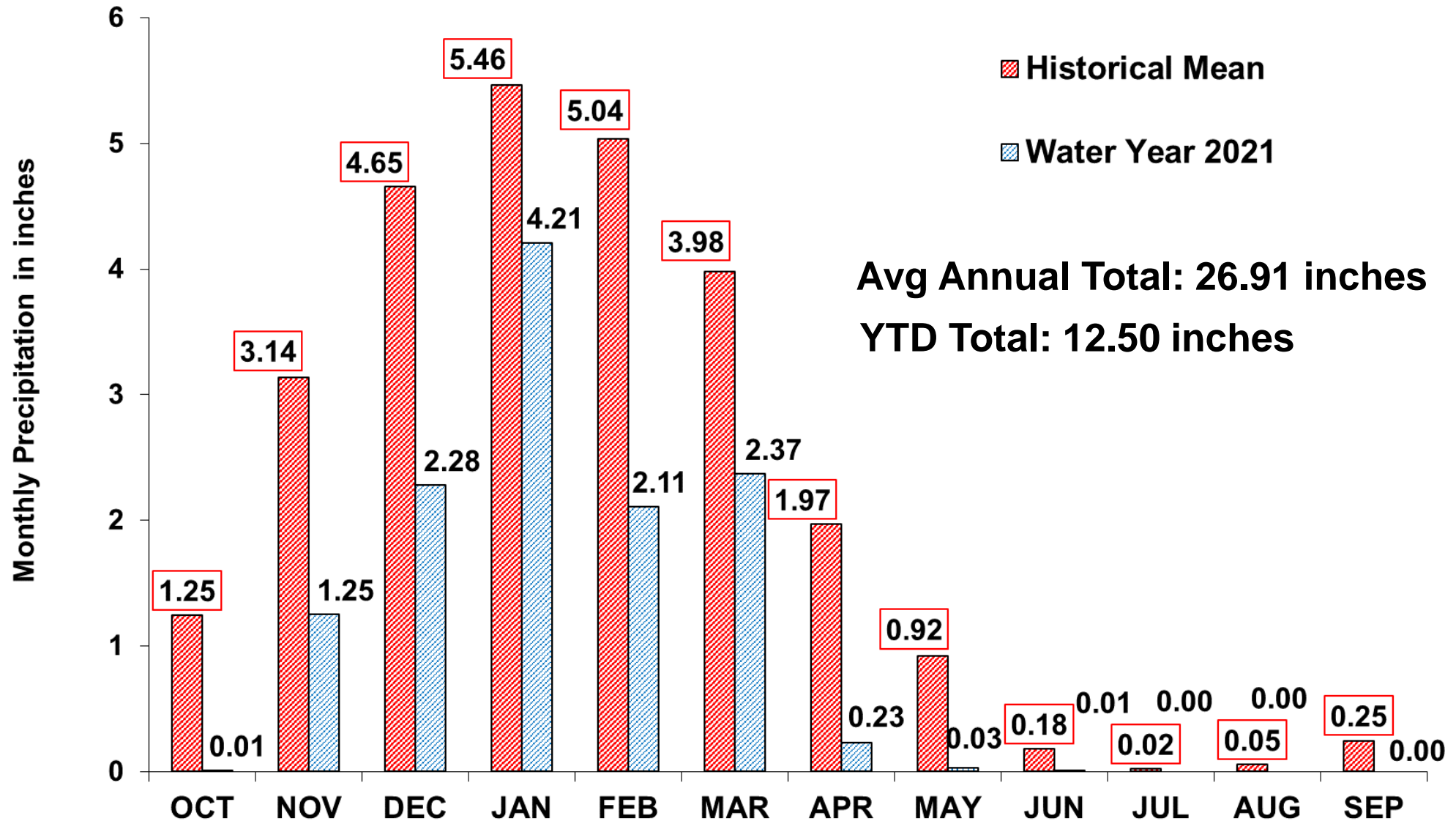
*The Drought Monitor focuses on broad-scale conditions.  
Local conditions may vary. See accompanying **text  
summary** for forecast statements.*

# Upcountry 6-station Precipitation Index as of September 12, 2021

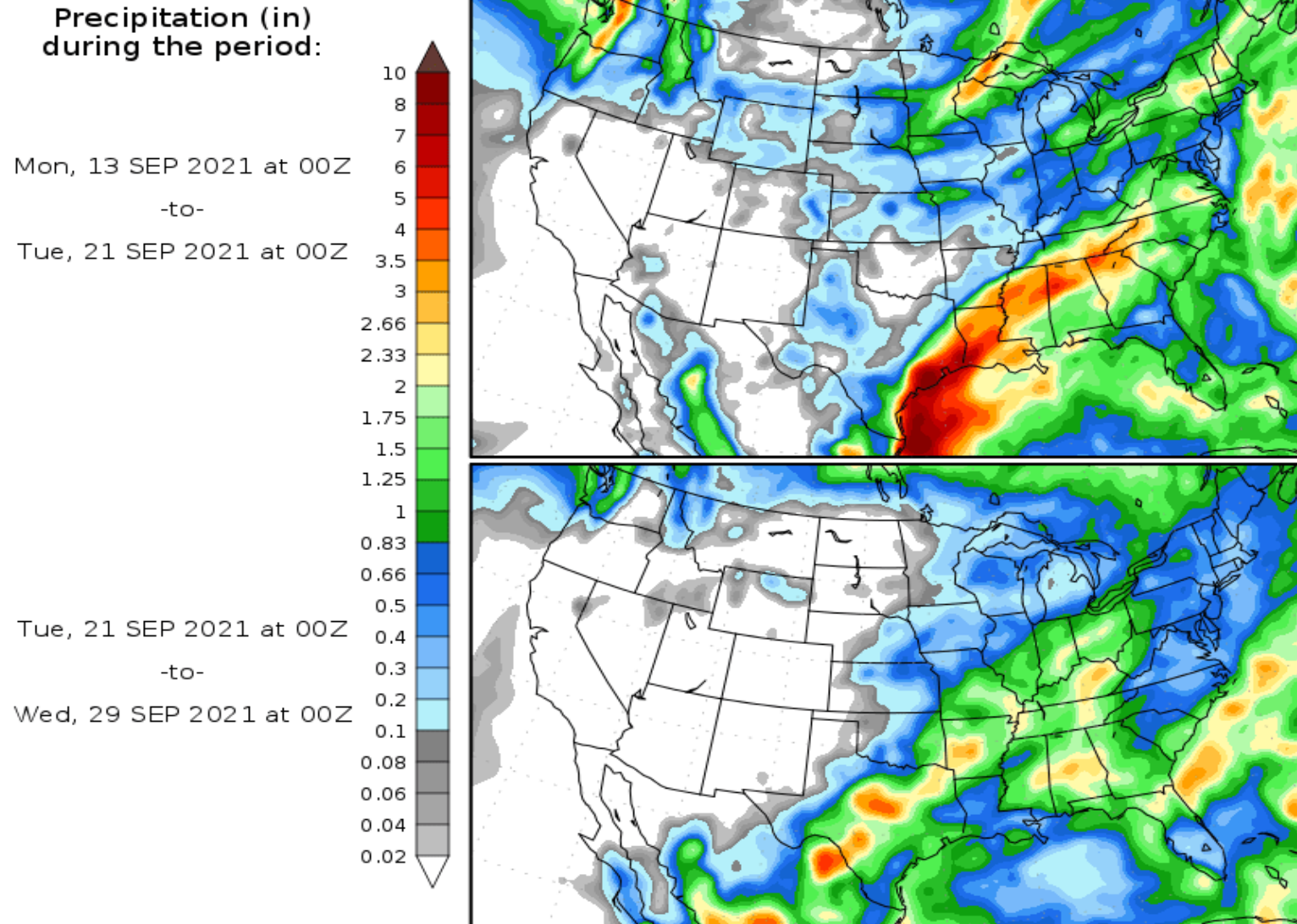




# Bay Area 7-station Precipitation Index as of September 12, 2021



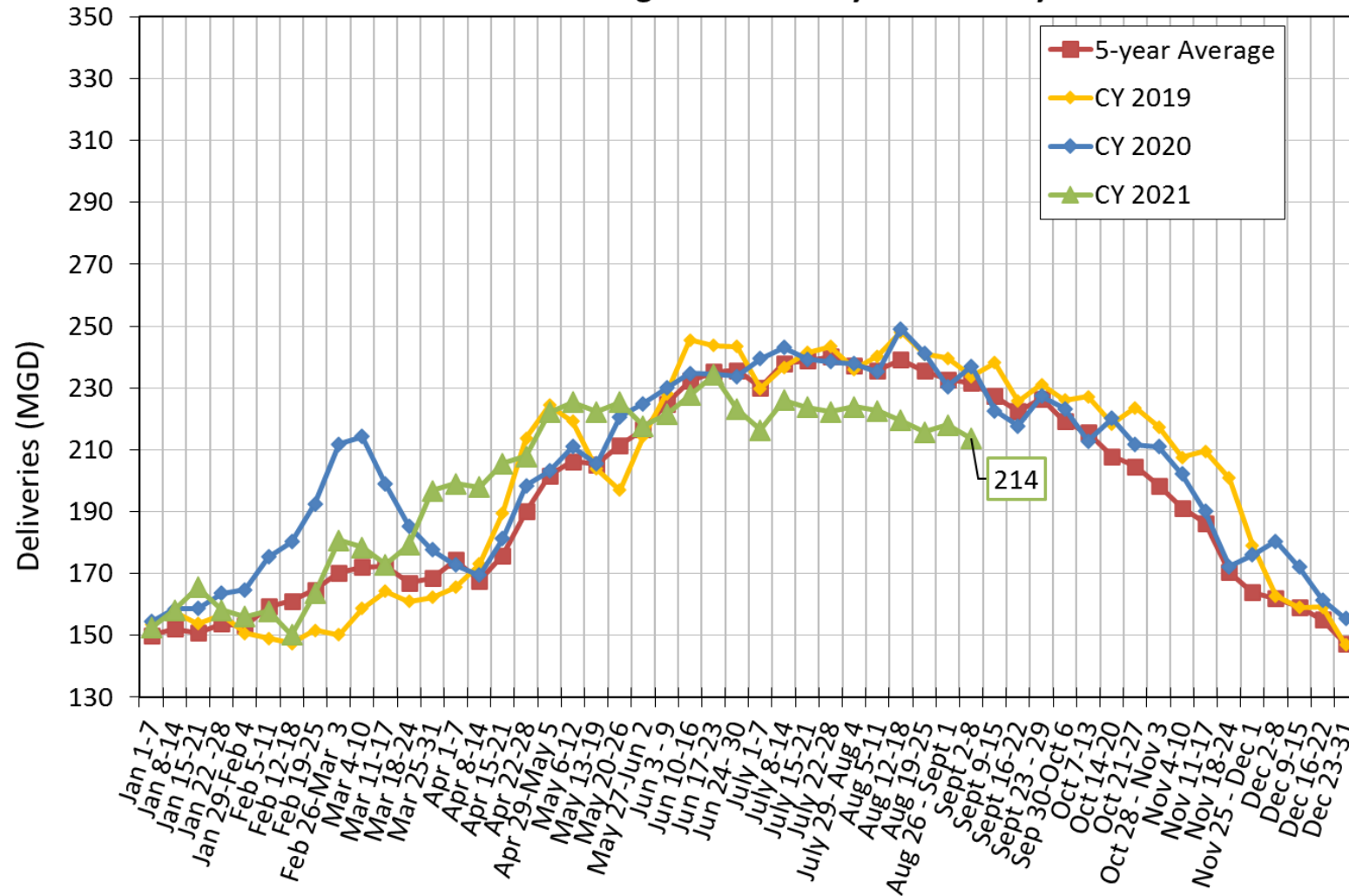
# National Precipitation Forecast





# Total Deliveries

Regional Water System Total Deliveries  
Source: SFPUC Regional Water System County Meters



# Curtailment Regulations and Orders

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- On June 15<sup>th</sup>, the State Water Board issued notices of water unavailability to all post-1914 appropriative water right holders in the Delta watershed
- On July 23<sup>rd</sup>, the State Water Board released draft emergency water right curtailment and reporting regulations
- Also on July 23<sup>rd</sup>, the State Water Board issued notices of water unavailability to:
  - All pre-1914 appropriative water right claims in the San Joaquin River watershed; and
  - All pre-1914 appropriative water right claims in the Sacramento River watershed with a priority date of 1883 or later and some with a priority date earlier than 1883



# Curtailment Regulations and Orders

- San Francisco received the July 23<sup>rd</sup> notices of water unavailability for its points of diversion in the Tuolumne River watershed
- The Board adopted the emergency regulations on August 3<sup>rd</sup>, and the State Office of Administrative Law approved the regulations and filed them with the Secretary of State on August 19<sup>th</sup>
- On August 20<sup>th</sup> San Francisco was issued curtailment orders for these points of diversion

WATER RIGHT ID	AFFECTED DIVERSIONS
S002636	Eleanor
S002638	Cherry
S014379	Lower Cherry Aqueduct
S002635	Hetch Hetchy
S002637	Early Intake
S018734	Scoggins Dam (Camp Mather)
S018735	Canyon Ranch Creek (Camp Mather)

# Curtailment Regulations and Orders

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- We were releasing water above full natural flow to meet instream flow requirements and provide for rafting while generating hydropower
- Water released above full natural flow has been credited to Water Bank, and we do not expect this to change under a curtailment order because the order does not affect previously stored water
- With the closure of Stanislaus National Forest on September 1, rafting season ended
- During the first part of September, we did make available generation at Holm Powerhouse on 5 minutes notice which resulted in our needing to keep flow going through the generators at a rate of about 60 AF/day.
- Beginning September 12, we reduced releases to instream flow requirements or full natural flow, whichever is greater, to preserve water in storage



# Curtailment Orders and Responses

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- Curtailment Order Certificates of Compliance needed to be filed by September 3<sup>rd</sup>
- We plan to offset Tuolumne curtailment requirements with releases of stored water from Cherry/Eleanor, while diverting into Hetch Hetchy
- Exceptions can be requested for:
  - Non-Consumptive Uses
  - Human Health and Safety
  - Alternative Water Sharing Agreements
- Exceptions needed to be requested by September 3<sup>rd</sup> with supporting information submitted by September 17<sup>th</sup>
- We expect to make requests under specific categories for different situations:
  - Non-Consumptive Use: Moccasin Fish Hatchery
  - Human Health and Safety: RWS and small systems in early 2022 if still dry and the Camp Mather diversions

# Curtailment Orders and Responses

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- We filed our Certificates of Compliance on September 2<sup>nd</sup>
- We will begin filing monthly reports accounting for Tuolumne releases from Cherry/Eleanor and diversions to Hetch Hetchy demonstrating our compliance
- If dry conditions persist, we will likely take additional actions regarding reduction in available water supply in January, potentially including declaring a water supply emergency



# Regional Water System Water Use Reductions From 2020

## (From Weekly Delivery Reports)

For the Period July 1 - September 12			
CUSTOMER GROUPS	2020 AVG. MGD	2021 AVG. MGD	% REDUCTION
San Francisco Customers	62.1	57.1	8.1%
Wholesale Customers*	176.5	162.6	7.9%
TOTAL	238.5	219.7	7.9%

\*Data are for Regional Water System Deliveries only and do not include reductions in other sources of supply.



# What If WY 2022 Is Like 1977, Demand Is 200 MGD, and Curtailments Last?

Hydrology	Water Year 1977 (99% exceedance)		
Scenario	Base Case	B	C
Curtailments	No	Yes	Yes
Curtailment Obligation Source	NA	Cherry / Eleanor	Hetch Hetchy
September 1, 2022 Storage (Acre-Feet)			
Hetch Hetchy	166,100	166,100	<b>32,600</b>
Cherry/Eleanor	169,000	<b>58,700</b>	211,200
Water Bank	252,600	363,000	353,900
HHWP Total	587,700	587,700	597,700
Don Pedro	820,700	652,100	655,400
Tuolumne Total	1,155,800	876,900	899,200

# What If WY 2022 Is Like 1977, Demand Is 180 MGD, and Curtailments Last?

Hydrology	Water Year 1977 (99% exceedance)		
Scenario	Base Case	B	C
Curtailments	No	Yes	Yes
Curtailment Obligation Source	NA	Cherry / Eleanor	Hetch Hetchy
September 1, 2022 Storage (Acre-Feet)			
Hetch Hetchy	191,800	191,800	50,700
Cherry/Eleanor	169,000	58,700	211,200
Water Bank	252,600	363,000	353,900
HHWP Total	613,500	613,500	615,800
Don Pedro	820,700	652,100	655,400
Tuolumne Total	1,181,500	902,600	917,300

# Consent Calendar



SHORT & STEAMY

Shorten your showers. It's a DROUGHT.

[bawsca.org/DROUGHT](http://bawsca.org/DROUGHT)

 Hetch Hetchy  
Regional Water System  
Services of the San Francisco Public Utilities Commission

**BAWSCA**  
Bay Area Water Supply & Conservation Agency



# Action Calendar: Authorization of Issuance of Refunding Revenue Bonds

**Every drop counts. Use water wisely.**



Always run a full  
load of laundry  
and save 15-45  
gallons per load.



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# Consideration of Authorizing BAWSCA's Issuance of Refunding Revenue Bonds

- BAWSCA proposes the issuance of Refunding Revenue Bonds to refund the callable portion of 2013A bonds
  - Expected Net Present Value (NPV) savings (after costs): over \$20 million
  - Average annual savings: approx. \$2 million after bond settlement
  - Estimated cost of issuance: up to \$1.2 million
  - Not-to-exceed principal amount: \$180 million
- The proposed Resolution for consideration and approval would also authorize the forms of the following financing documents
  - Second Supplemental Revenue Bond Indenture
  - Contract of Purchase
  - Continuing Disclosure Certificate
  - Escrow Agreement
  - Preliminary Official Statement

# Key Terms of Potential Refunding Revenue Bonds

- Tax-exempt forward delivery continues to be determined most economical
  - Less market risk than waiting for a tax-exempt regular delivery in 2023
  - Pricing premium of up to 5 bps (0.05%) per month over a theoretical tax-exempt regular delivery
  - More savings than a taxable advance refunding
- Key terms remain the same as the 2013A bonds
  - Method of sale: negotiated sale
  - Final maturity: October 1, 2034
  - Stabilization requirement: 50% of max annual debt service
- Bond sale without a green designation is recommended
  - No assurance of financial benefits
  - Additional cost of \$20,000 - \$25,000 for the green verification process
  - Minimal possibility to warrant a green designation for all refunding bonds
  - Delay in bond sale would expose the refunding to additional market risk



# Preliminary Timeline

Board authorization to issue bonds and approval of bond documents	September Board Mtg.
Credit Rating Process	September 2021
Bond pricing/sale (tentative)	Oct 2021
Bond document closing	Oct – Nov 2021
Bond settlement	January 2023

\* Based on a tax-exempt forward delivery refunding and subject to market conditions and other factors

# Recommendation

That the Board approve the following actions needed to continue proceeding with BAWSCA's potential bond refunding:

1. Adopt Resolution No. 2021-01 authorizing the issuance of the Refunding Revenue Bonds in an amount not to exceed \$180 million and authorizing the forms of the following financing documents provided as attachments to the staff report
  - a. Second Supplemental Revenue Bond Indenture;
  - b. Contract of Purchase;
  - c. Continuing Disclosure Certificate;
  - d. Escrow Agreement
  - e. Preliminary Official Statement; and
2. Authorize the CEO/General Manager to execute these financing documents, subject to the satisfaction of specified criteria
  - a. NPV savings: not less than \$20 million
  - b. Principal amount: not to exceed \$180 million
  - c. Underwriter's discount: not to exceed 0.25% of the principal amount

# Reports and Discussions: Future Committee & Board Meeting Format after Oct. 1, 2021



QUICK & EASY

Replace leaky toilet parts. It's a DROUGHT.

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Bay Area Water Supply & Conservation Agency

 Hetch Hetchy  
Regional Water System  
Services of the San Francisco Public Utilities Commission

[bawasca.org/DROUGHT](https://bawasca.org/DROUGHT)

    
#DROUGHTSF



# BAWSCA Closely Monitoring Actions at State Level to Inform Plans for Agency Meetings After Oct. 1

- Existing modifications to Brown Act teleconference requirements will expire on October 1st
- AB 361 has passed the Legislature and will take effect as soon as the Governor signs, but no later than Oct. 11
- AB 361 will effectively allow agencies to use the existing teleconference requirements
- Applies whenever (1) the Governor has declared a state of emergency and either
  - (2) state or local officials have recommended social distancing, OR
  - (3) the agency's legislative body finds that in-person attendance would "present imminent risks to the health and safety of attendees"
- Legislative bodies that do not meet every 30 days must make this finding at each teleconference meeting under the emergency rules, even if state or local officials have recommended distancing
  - Once the initial finding is made, Legal Counsel's opinion is that renewals can be approved via the consent calendar
- Legal Counsel will continue to monitor this situation and update the Chair and CEO

# Closed Session #1

**Every drop counts. Use water wisely.**



Turn off the water when  
brushing your teeth  
and save 10 gallons  
per person per day.



[SaveOurWater.com](http://SaveOurWater.com)

# CEO Reports



# GIVE IT UP

Lose your lawn. It's a DROUGHT.

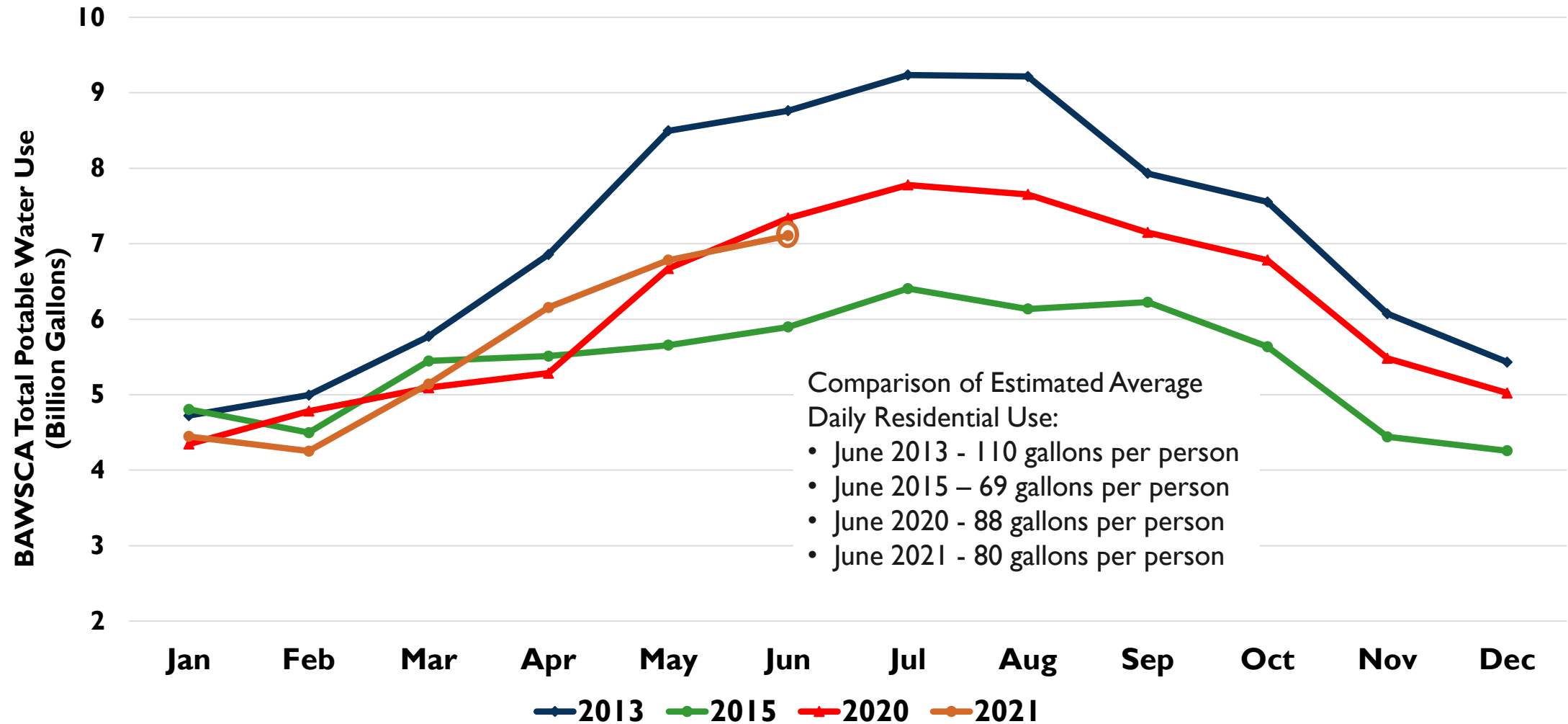
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[bawasca.org/DROUGHT](http://bawasca.org/DROUGHT)



# BAWSCA June 2021 Total Potable Water Use is 3.2% Less than June 2020 and 19% Less than June 2013





# BAWSCA Remains Focused on Having State Board Evaluate the TRVA as an Alternative to Adopted Bay-Delta Plan

- BAWSCA and its member agencies continue to:
  - Support Bay-Delta Plan objectives
  - Be committed to working with other stakeholders to protect water quality in the Bay-Delta for humans, fish and other wildlife
  - Support voluntary agreements to resolve this critical issue
- Progress on voluntary agreements has been slow as State has had to address developing drought situation
- BAWSCA also continues to pursue having the State Board perform an evaluation of the TRVA as an alternative to the Bay-Delta Plan

# Closed Session #2

**Every drop counts. Use water wisely.**



Make the change to  
California native plants  
and use less water.



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# Break for Conference with Labor Negotiator



L. Ash, 2017



# Action Item Following Closed Session: Consider Compensation Adjustment for CEO

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Always run a full  
load of laundry  
and save 15-45  
gallons per load.



[SaveOurWater.com](http://SaveOurWater.com)



# Directors' Discussion: Comments, Questions and Agenda Requests

GARDENS  
**GONE WILD**

Use native, water-efficient plants. It's a DROUGHT.

**BAWSCA**  
Bay Area Water Supply & Conservation Agency

 Hetch Hetchy  
Regional Water System  
Services of the San Francisco Public Utilities Commission

[bawsca.org/DROUGHT](http://bawsca.org/DROUGHT)

# Announcement and Adjournment



## Next Board Meeting

- November 18, 2021
- Time: 6:30 pm
- Location: TBD