



BAWSCA Service Area

Every drop counts. Use Water Wisely.

“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 Policy Committee Meeting

December 14, 2022

Call to Order and Roll Call

 **Water plants no more than twice a week**

 **Never when it's raining**


We're in a drought, cut waste out.


BAWSCA
Bay Area Water Supply & Conservation Agency

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

bawasca.org/conserve


Comments by Chair



 **Replace your lawn with a water-wise landscape**

We're in a drought, cut waste out.

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Consent Calendar

- Approval of October 12, 2022 Minutes



Public Comments on Items Not on the Agenda



Action Item: Mid-Year 2022-23 Work Plan, Budget and General Reserve Review

 **Only wash when the hamper's full**

 **Not full? Not today**

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Mid Year Work Plan Review Identifies Need for Scope and Budget Changes Due to Current Conditions

- A review of the FY 2022-23 Work Plan was performed and results are presented in Table I
- The following conditions result in recommended changes to the adopted FY 2022-23 Work Plan and Operating Budget:
 - Increased support needed due to ongoing drought conditions
 - Increased effort needed to support updated Tier 2 negotiations
 - Upcoming planned staff leave of absence
- Three changes recommended as a result of this review
 - Item 2b: modify scope and budget
 - Item 3f: modify scope with no budget impact this fiscal year
 - Item 4d: modify scope and budget

Reliable Water Supply (1 of 5)

STATUS	BAWSCA OBJECTIVE & FY 2022-23 WORK PLAN ITEM
1. <u>Facility Reliability: Monitor the SFPUC's WSIP, 10-Year CIP, and Asset Management Program</u>	
✓	a. Monitor WSIP scope, cost, and schedule
✓	b. Review and monitor SFPUC's Regional 10-Year Capital Improvement Program
✓	c. Review and monitor SFPUC's Asset Management Program
✓	d. Promote increased emergency response coordination between member agencies, SFPUC, Valley Water and others.

! Needs Attention ● Experiencing Delay ✓ Complete/On Track ★ Extraordinary Result/Effort

Reliable Water Supply (2 of 5)

STATUS	BAWSCA OBJECTIVE & FY 2022-23 WORK PLAN ITEM
2. Long-Term Supply Solutions: Implement BAWSCA's Strategy	
✓	a. Complete Update and Refresh of BAWSCA 2020 Demand Study
! ●	b. Complete staff-led scoping activity for an update to BAWSCA's Long-Term Reliable Water Supply Strategy (Strategy) <u>Recommended Scope Change and Budget Adjustment:</u> <u>Modify work plan item to clarify "Initiate Scoping" and authorize securing assistance from outside consultant with a total cost of \$30K to be funded by a transfer from the General Reserve, and increase the FY 2022-23 Operating Budget to reflect the transfer.</u>
✓	c. Participate in development of BARR Phase 2 including completion of the BARR Shared Water Access Program final report
✓	d. Continue participation in the SF-Peninsula Regional Purewater Project (SPRP) which is currently in the midst of the development of a Basis of Design Report (BODR)
✓	e. Promote the continued sustainable use of San Mateo Plain Groundwater Basin for long-term water supply reliability
✓	f. Facilitate development of other local water supply options
✓	g. Use BAWSCA Reliability Model to support evaluation of water supply reliability
✓	h. Facilitate use of BAWSCA Reliability Model by members via Subscription Program
✓	i. Host quarterly meetings of BAWSCA's Regional Water Supply Reliability Roundtable

! Needs Attention ● Experiencing Delay ✓ Complete/On Track ☆ Extraordinary Result/Effort

Reliable Water Supply (3 of 5)

STATUS	BAWSCA OBJECTIVE & FY 2022-23 WORK PLAN ITEM
3. <u>Near-term Supply Solutions: Water Conservation and Drought Response</u>	
✓	a. Provide staff-only drought support to members and their customers, assuming dry conditions in FY 2022-23
●	b. Represent member agency interests in regional and statewide discussions on the development of and compliance with California's "Making Water Conservation a Way of Life" requirements
✓	c. Provide regional coordination to support members Advanced Metering Infrastructure (AMI) implementation and data management
✓	d. Implement BAWSCA's core water conservation programs
✓	e. Implement BAWSCA's subscription water conservation programs
! ●	f. Continue development of a leak repair and training certification program for implementation in FY 2023-24 <u>Recommended Scope Change:</u> <u>Modify work plan item to read "Continue development of a leak repair and training certification program for implementation in FY 2024-25"</u>
✓	g. Pursue partnership with San Mateo County C/CAG related to a potential greywater pilot program
✓	h. Perform a review of greywater efforts within BAWSCA region and document findings
✓	i. Represent member agencies in regional and State-level discussions related to water conservation-related regulations

! Needs Attention ● Experiencing Delay ✓ Complete/On Track ☆ Extraordinary Result/Effort

Reliable Water Supply (4 of 5)

STATUS	BAWSCA OBJECTIVE & FY 2022-23 WORK PLAN ITEM
4. <u>Take Actions to Protect Members' Water Supply Interests in the Administration of the 2009 WSA</u>	
✓	a. Monitor SFPUC's development of new supplies through its Alternative Water Supply Planning Program
✓	b. Protect members' water supply interests to ensure that SFPUC meets its legal and contractual obligations
✓	c. Adopt temporary extension of existing Tier 2 Plan that expires Dec. 2021
! ●	d. Facilitate negotiations of an updated Tier 2 Drought Allocation Plan <u>Recommended Budget Adjustment:</u> <u>Increase consultant contract with Woodard & Curran by an additional \$60K for a total contract amount of \$147K, funded by using the \$55K budgeted contingency and a \$5K reallocation within the current approved FY 2022-23 Operating Budget.</u>
✓	e. Protect members' water supply and financial interests in SFPUC's required 2028 decisions
5. <u>Protect Members' Interests in a Reliable Water Supply</u>	
★	a. Participate in SWRCB Bay Delta Plan Update
✓	b. Participate in the Don Pedro Project/La Grange Project FERC licensing process

! Needs Attention ● Experiencing Delay ✓ Complete/On Track ★ Extraordinary Result/Effort

Reliable Water Supply (5 of 5)

STATUS	BAWSCA OBJECTIVE & FY 2022-23 WORK PLAN ITEM
6. <u>Pursue Grant Opportunities Independently and in Coordination with Regional Efforts</u>	
✓	a. Pursue and use grant funds for water conservation programs and for regional supply projects and programs
✓	b. Pursue, with regional partners, grant funding to support studies that aim to improve regional water supply reliability
✓	c. Investigate potential for grant funds to support the implementation of the Strategy
7. <u>Reporting and Tracking of Water Supply and Conservation Activities</u>	
✓	a. Complete BAWSCA FY 2020-21 Annual Survey
✓	b. Complete BAWSCA FY 2020-21 Annual Water Conservation Report
✓	c. In partnership with member agencies, operate and maintain BAWSCA's Water Conservation Database. Scope, develop and implement an updated of the WCDB by June 30, 2023

! Needs Attention
 ● Experiencing Delay
 ✓ Complete/On Track
 ★ Extraordinary Result/Effort

High Quality Water (1 of 1)

STATUS	BAWSCA OBJECTIVE & FY 2022-23 WORK PLAN ITEM
8. <u>Support Member Agencies in Receiving Reliable Communication of Water Quality Issues</u>	
✓	a. Coordinate members participation in Joint Water Quality Committee
✓	b. Relay important water quality information to members
✓	c. Review and act on, if necessary, State legislation affecting water quality regulations

! Needs Attention ● Experiencing Delay ✓ Complete/On Track ☆ Extraordinary Result/Effort

Fair Price, Maintain Allies and Agency Management (1 of 1)

STATUS	BAWSCA OBJECTIVE & FY 2022-23 WORK PLAN ITEM
9. <u>Perform Matters that Members Delegated to BAWSCA in the WSA</u>	
✓	a. Administer the WSA with SF to protect the financial interests of member agencies.
✓	b. Administer bonds issued by BAWSCA to retire capital debt owed to San Francisco, including completing the settlement of 2023A refunding bonds in January 2023
10. <u>Maintain Community Allies and Contacts with Environmental Interests</u>	
★	a. Maintain close relationships with BAWSCA's local legislators and allies
✓	b. Maintain a dialogue with responsible environmental and other groups
✓	c. Maintain effective communications with member agencies, customers, & others
✓	d. In conjunction with San Francisco, conduct or co-sponsor tours of the water system
11. <u>Manage the Activities of the Agency Professionally and Efficiently</u>	
✓	a. Implement a Student Internship Program
✓	b. Implement Board policy directives for management of BAWSCA's unfunded OPEB and pension liability obligations
✓	c. Maintain a motivated and effective workforce

! Needs Attention ● Experiencing Delay ✓ Complete/On Track ★ Extraordinary Result/Effort

FY 2022-23 Operating Budget Adjustments and Use of General Reserve Are Recommended

- Two of the three recommended scope changes require budget changes
- Item 2b “Complete staff-led scoping for Strategy Update” requires additional \$30k for new consultant support
 - Transfer \$30k from General Reserve
 - Increase FY 2022-23 Operating Budget to reflect this transfer
- Item 4d “Facilitate negotiations of an update Tier 2 Drought Allocation Plan” requires additional \$60K for additional Woodard & Curran consultant support
 - \$55K from budgeted contingency
 - \$5K reallocation within existing FY 2022-23 Operating Budget
 - No increase in overall FY 2022-23 Operating Budget
- Recommended budget adjustment would result in
 - \$30K increase in the FY 2022-23 Operating Budget to \$4,750,885
 - \$30K reduction in General Reserve to \$1,046,550

Agency's General Reserve Balance within Budgetary Guidelines

- BAWSCA's General Reserve Policy identifies a range of 20% to 35% of the budget year's operating expense as a budgetary guideline for the General Reserve balance
- Current General Reserve balance is \$1,076,550
 - Reflects \$193,012 transfer approved by Board in May 2022
 - Reflects deposit of \$124,744 FY 2021-22 unspent funds
 - General Reserve balance is 23% of approved Operating Budget
- Recommended action would result in a revised General Reserve balance of \$1,046,550
 - Reflecting recommended \$30k withdrawal from General Reserve to Operating Budget
 - 22% of the revised Operating Budget

Recommendation

That the Committee recommend Board approval of the following FY 2022-23 Work Plan, Operating Budget and funding changes:

- 1) For Work Plan Item 2b “Scope update to BAWSCA’s Long-Term Reliable Water Supply Strategy (Strategy)”: Change work plan item to read “**Initiate** scoping an update to Strategy to FY 2022-23”, secure outside consultant support to assist with the scoping in FY 2022-23, transfer \$30K from the General Reserve to fund the outside consultant support, and amend the FY 2022-23 Operating Budget by \$30K to reflect the associated increase;
- 2) Work Plan Item 3f “Continue development of a leak repair and training certification program for implementation in FY 2023-24”: Change work plan item to read “Continue development of a leak repair and training certification program for implementation in **FY 2024-25**”; and,
- 3) For Work Plan Item 4d “Facilitate Negotiations of an updated Tier 2 Drought Allocation Plan”: Increase consultant contract budget with Woodard & Curran by an additional \$60K for a total contract amount of \$147K, funded by using the \$55K budgeted contingency and a \$5K reallocation within the current approved FY 2022-23 Operating Budget.

CEO Reports

Keep your showers short

Every minute uses a gallon more

START

TIMER DONE

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Current Reservoir Storage

Storage as of: 12-Dec-2022

Reservoir	Current Storage ^{1,2,3} (AF)	Maximum Storage ⁴ (AF)	Available Capacity (AF)	Percent of Maximum Storage	Normal Percent of Maximum Storage ⁵
<u>Tuolumne System</u>					
Hetch Hetchy	243,900	360,360	116,460	67.7%	67.0%
Cherry	243,300	273,345	30,045	89.0%	-
Eleanor	20,190	27,100	6,910	74.5%	-
Water Bank	259,079	570,000	310,921	45.5%	98.4%
Total Tuolumne Storage	766,469	1,230,805	464,336	62.3%	-
<u>Local System</u>					
Calaveras	60,659	96,670	36,011	62.7%	-
San Antonio	45,943	53,266	7,323	86.3%	-
Crystal Springs	51,853	58,309	6,456	88.9%	-
San Andreas	16,547	19,027	2,480	87.0%	-
Pilarcitos	2,189	3,030	841	72.2%	-
Total Local Storage	177,191	230,302	53,111	76.9%	-
Total System Storage	943,660	1,461,107	517,447	64.6%	78.7%
Total without water bank	684,581	891,107	206,526	76.8%	-

¹ Upcountry storage is the date's 8AM storage value taken from USGS data

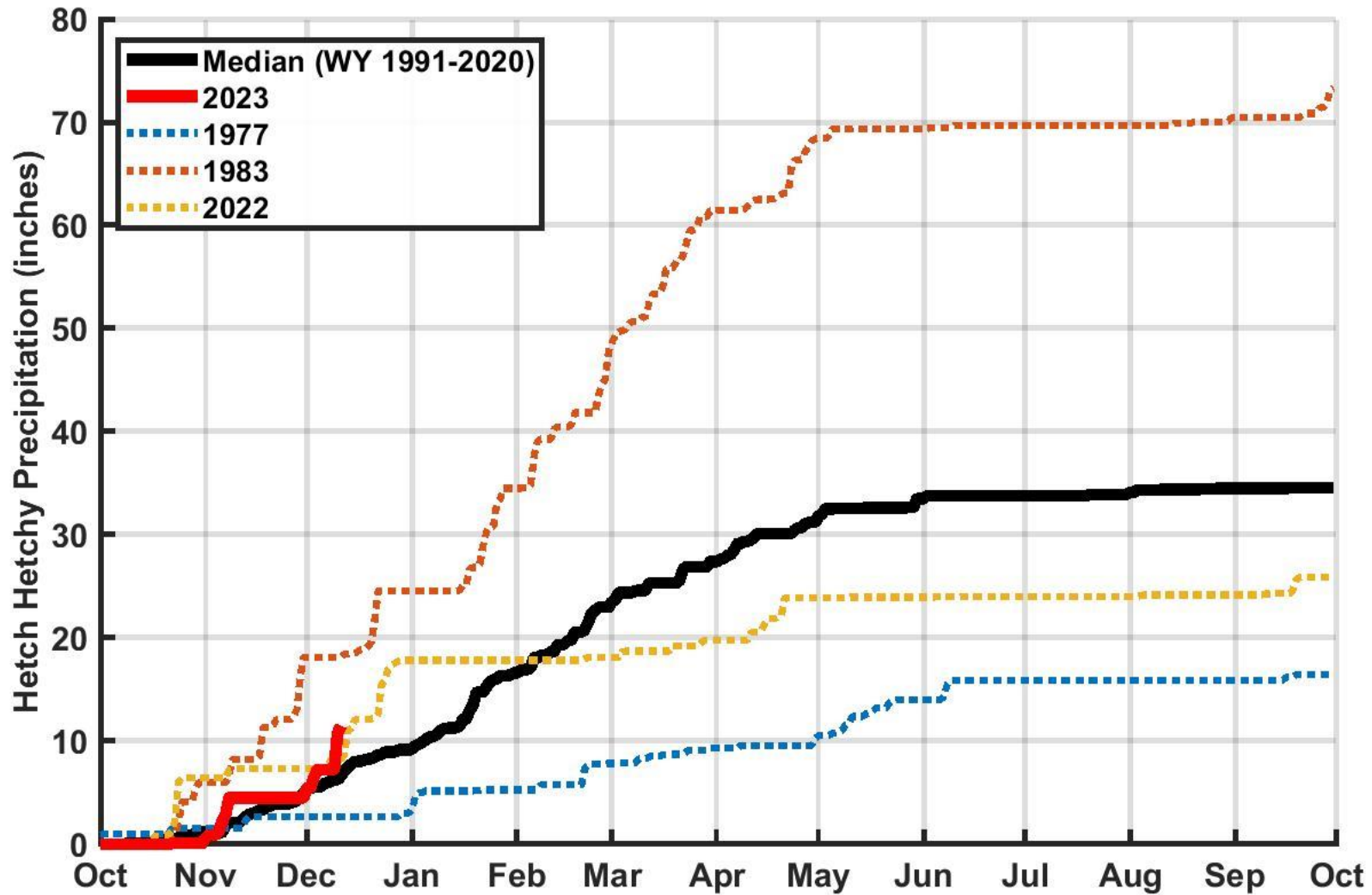
² Water bank storage reported by HHWP for 12/11/2022

³ Local storage is the date's 8AM storage value taken from USGS data

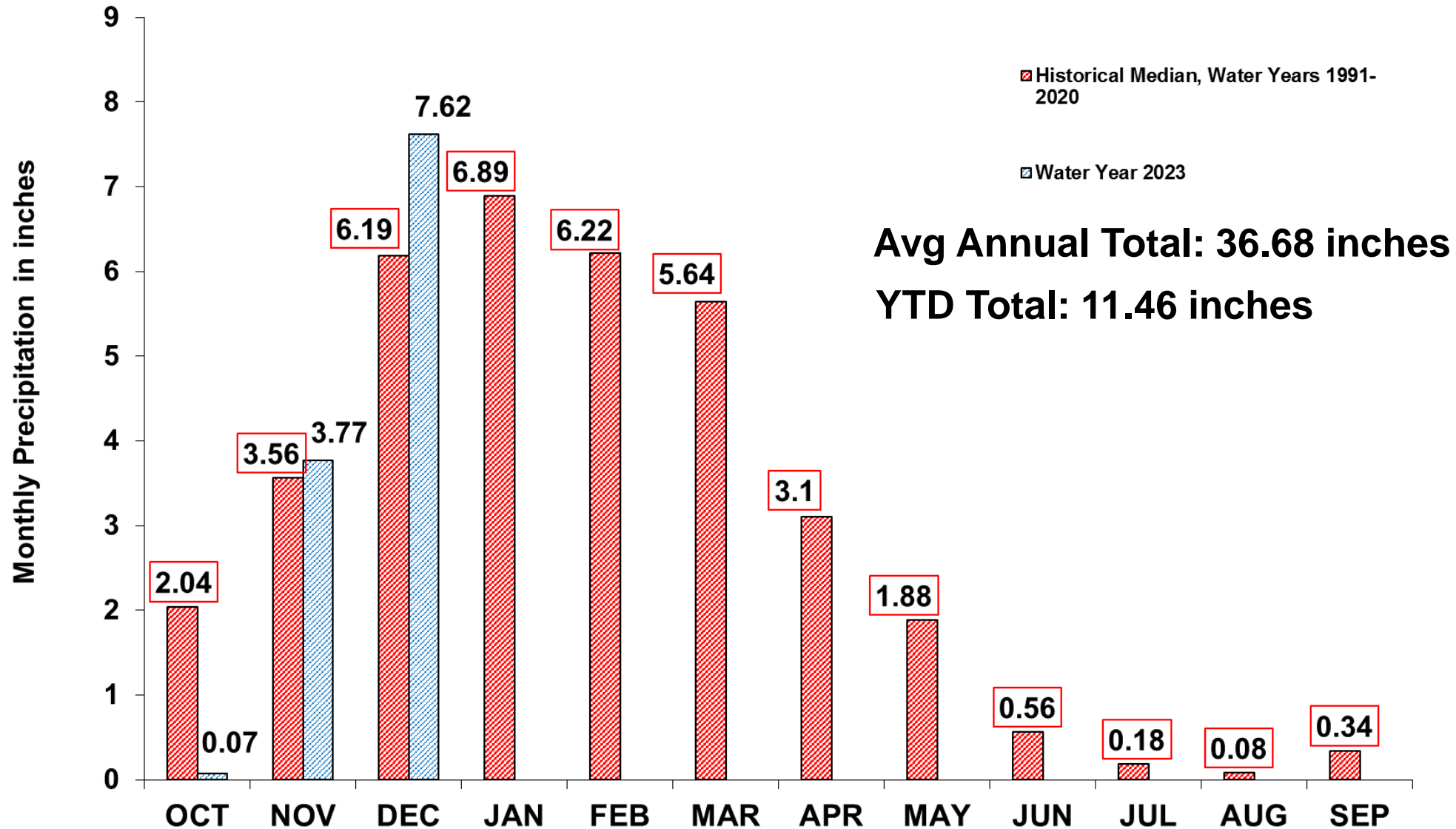
⁴ Hetch Hetchy maximum storage is with drum gates activated. Cherry and Eleanor maximum storage is with flashboards in. All maximum storages taken from rating curve.

⁵ The ratio of median storage for this day over maximum storage capacity. Median storage for this day is based on historical storage data from years 1991 - 2020

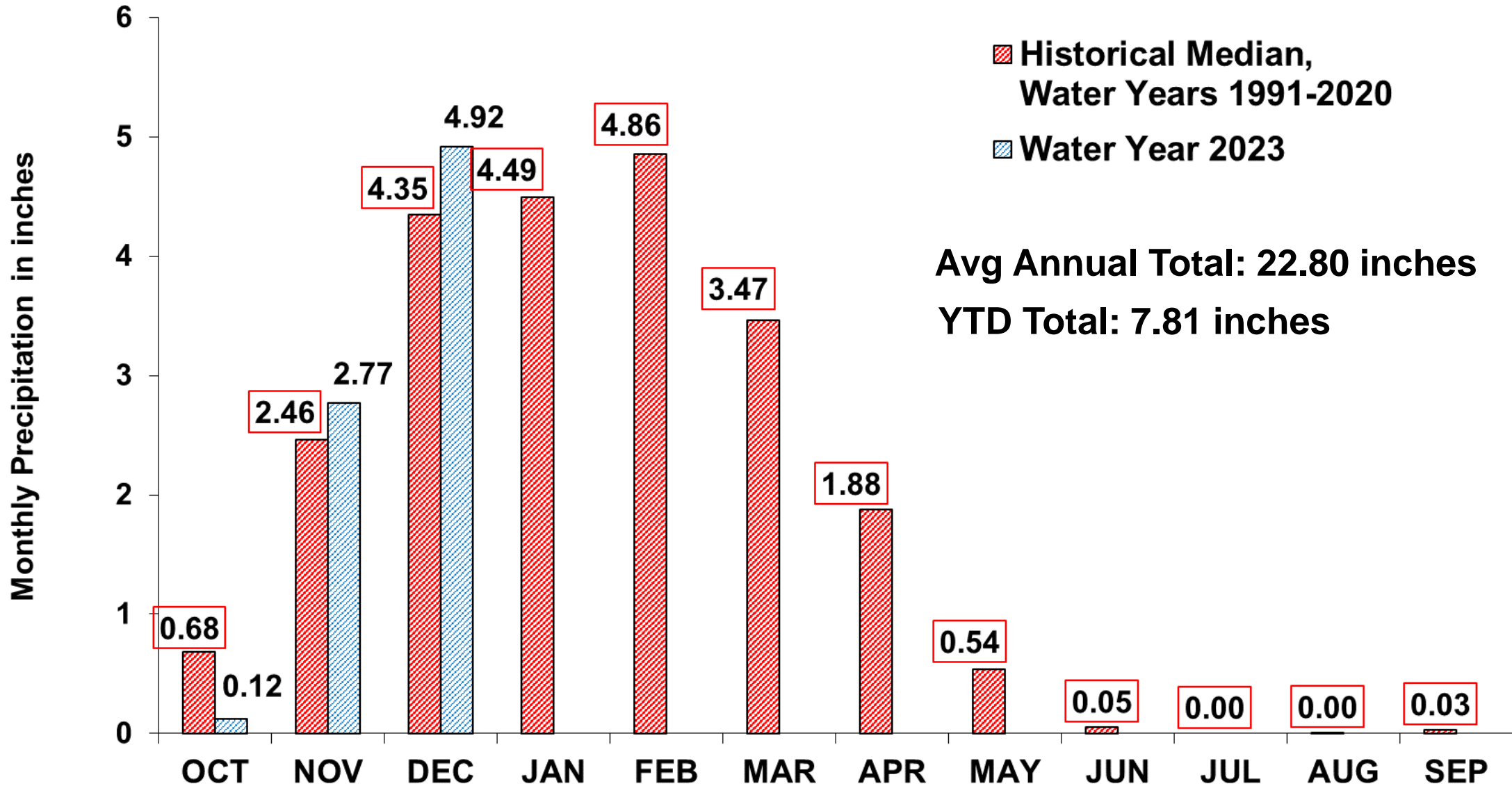
Hetch Hetchy Precipitation



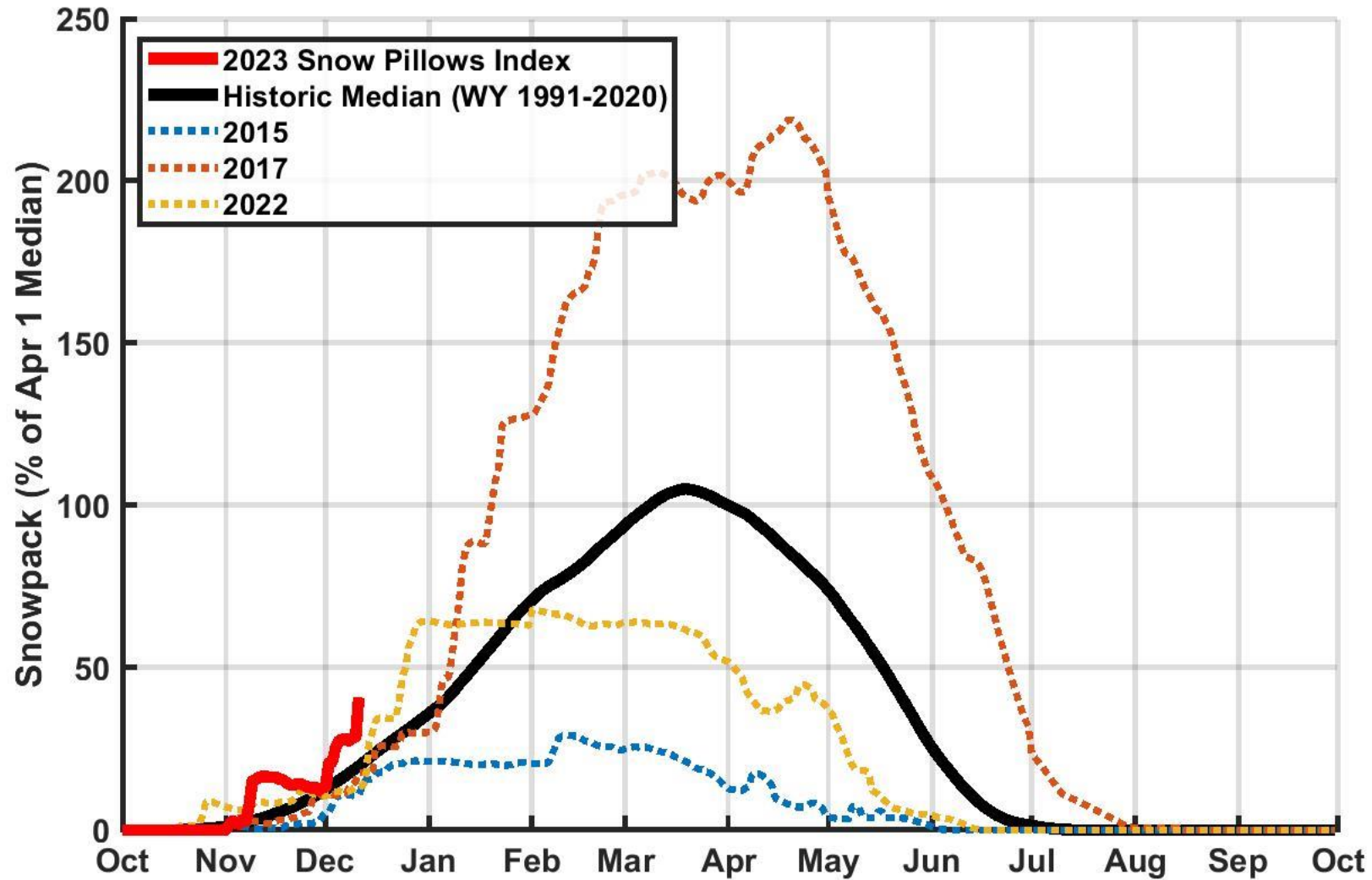
Upcountry 6-station Precipitation Index as of December 11, 2022



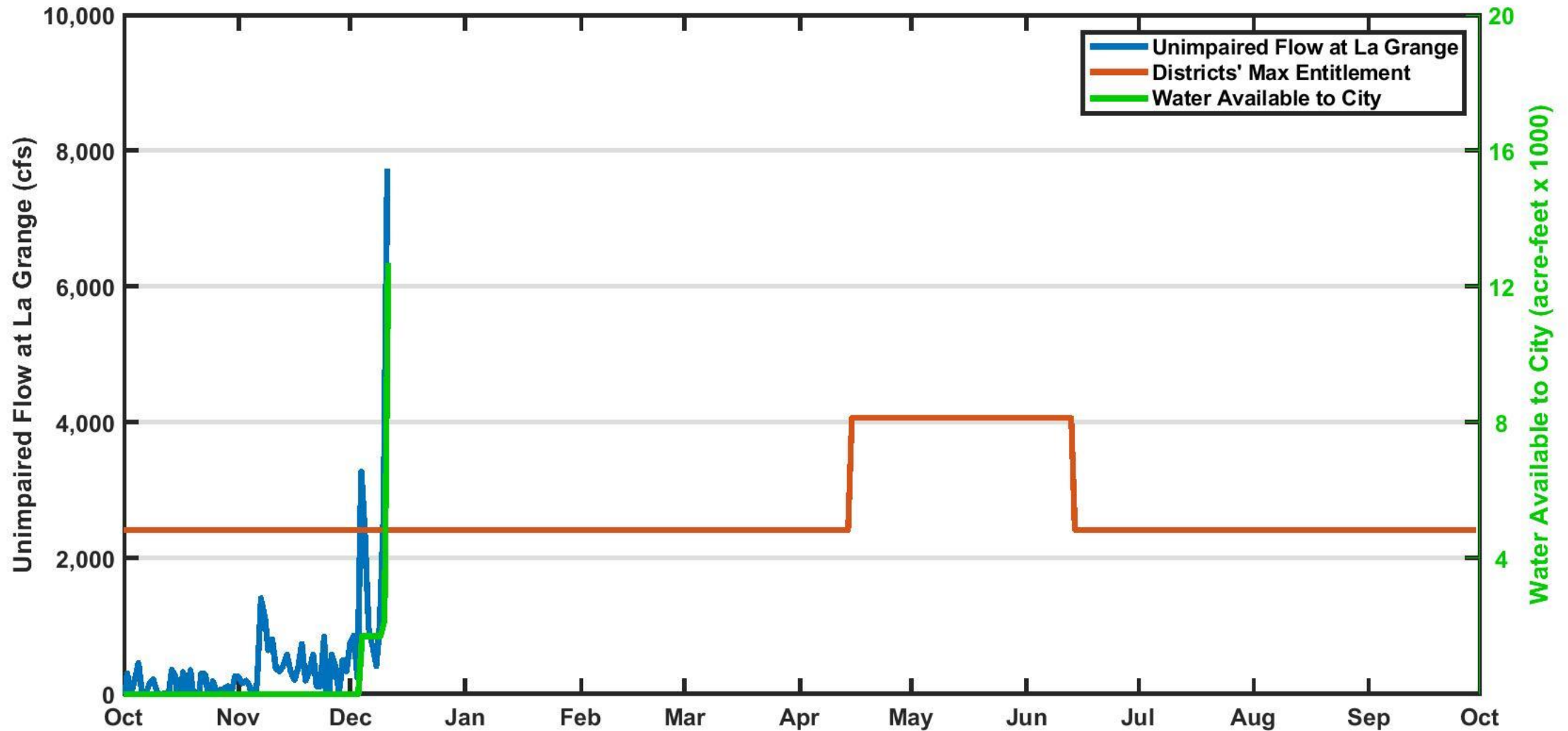
Bay Area 7-station Precipitation Index as of December 11, 2022



Upcountry Snowpack

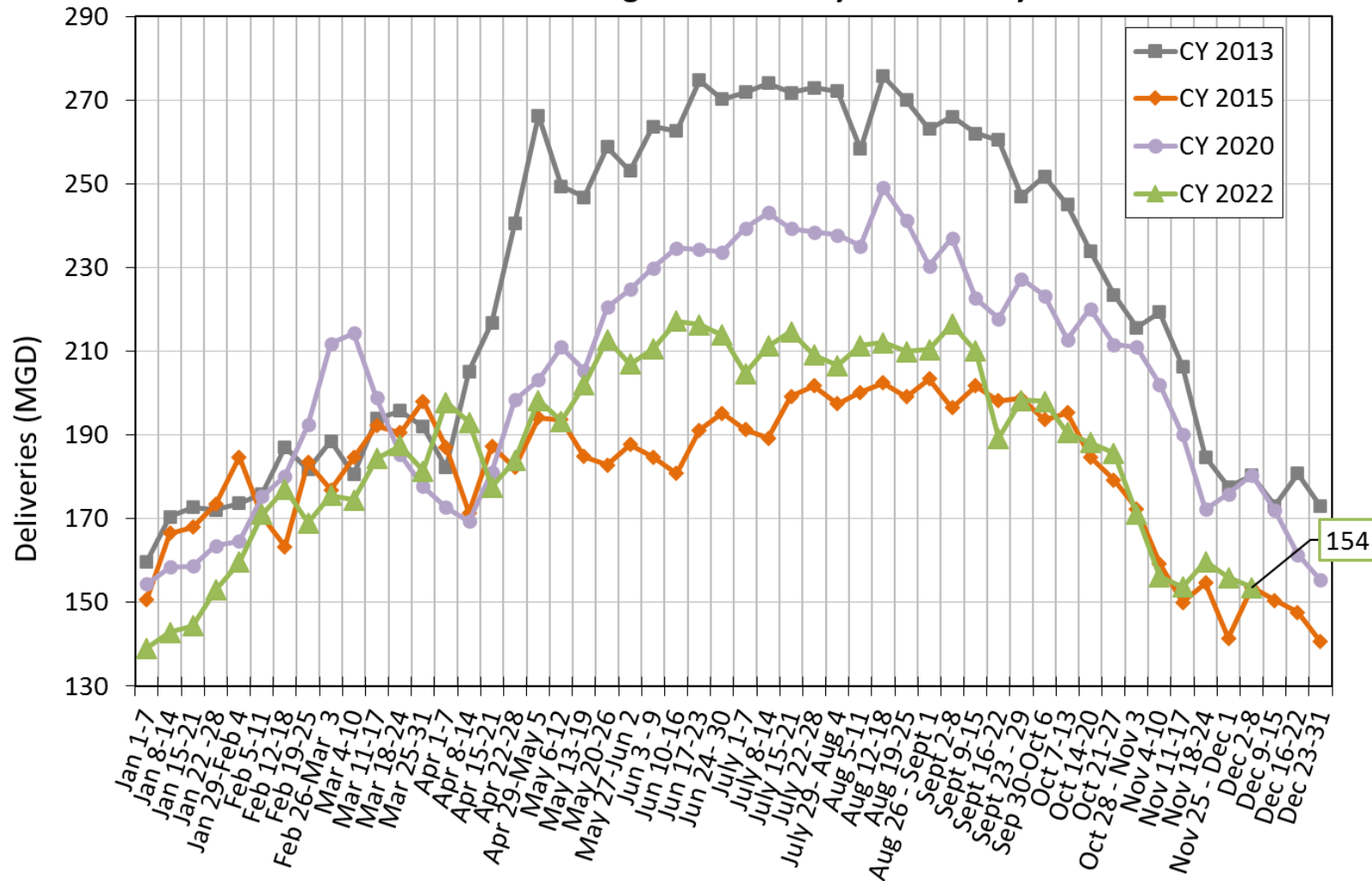


Water Available to the City



Total Deliveries

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



National Precipitation Forecast

Precipitation (in)
during the period:

Mon, 12 DEC 2022 at 12Z

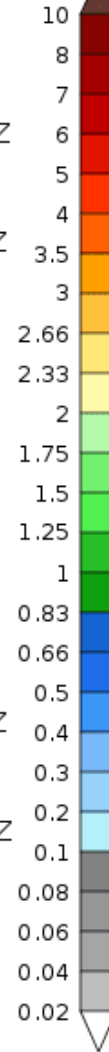
-to-

Tue, 20 DEC 2022 at 12Z

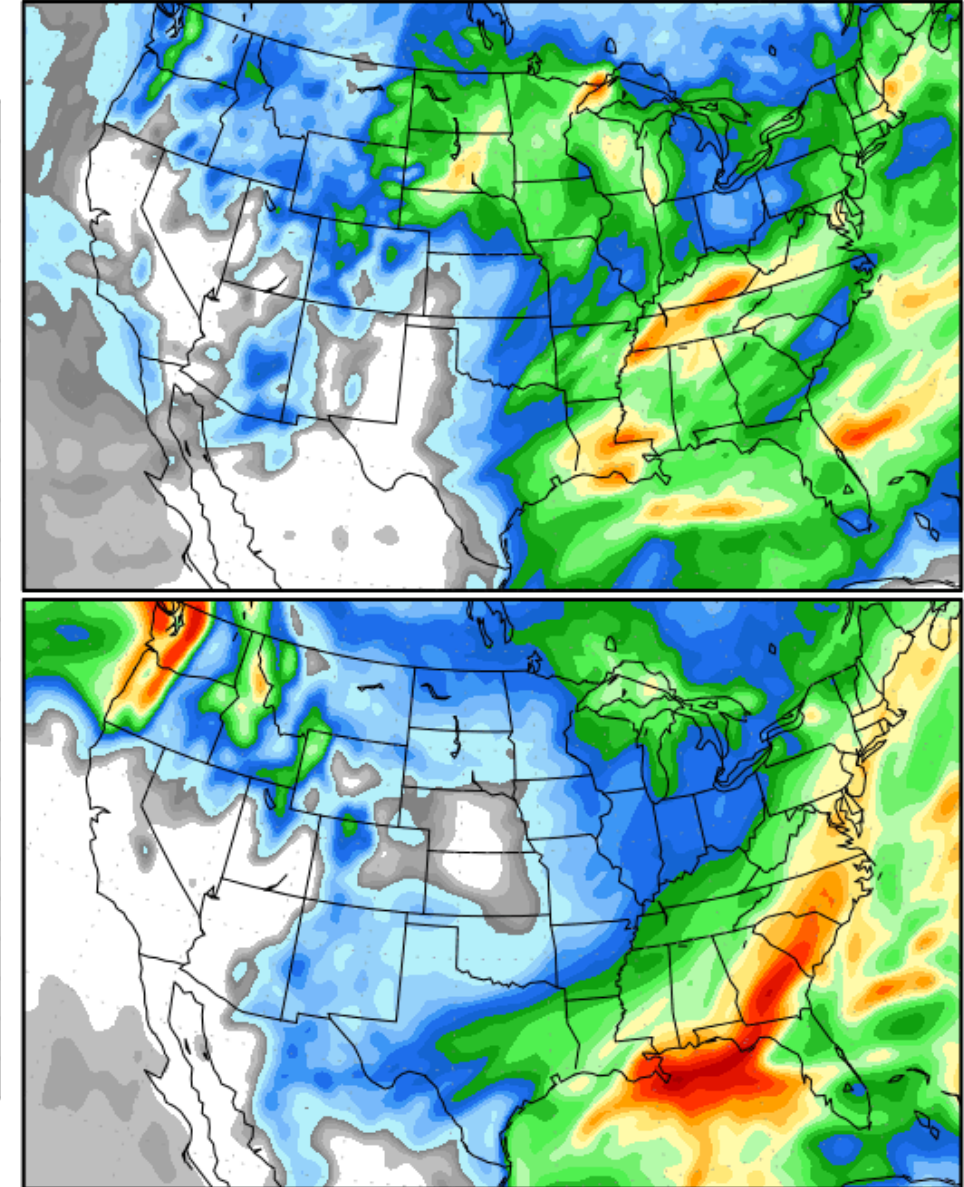
Tue, 20 DEC 2022 at 12Z

-to-

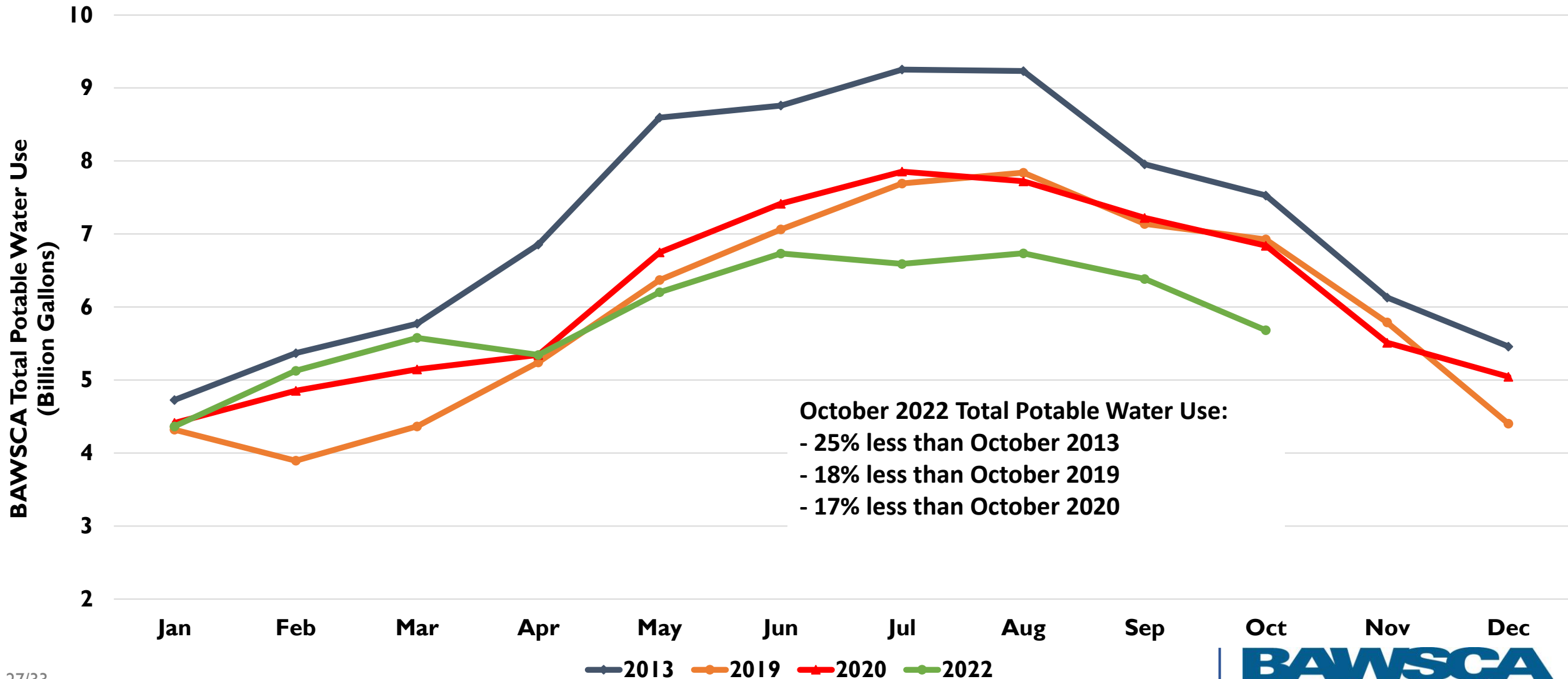
Wed, 28 DEC 2022 at 12Z



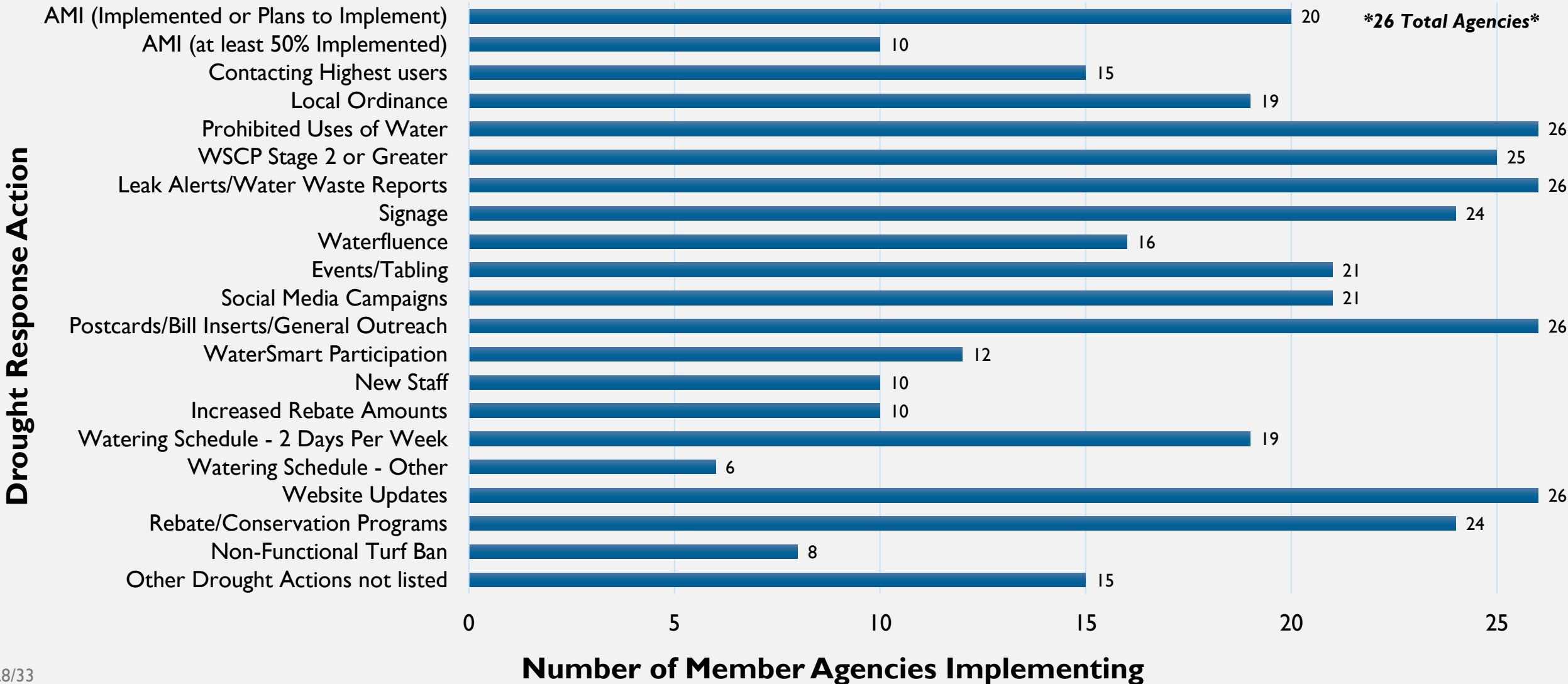
Precipitation Forecasts



Member Agencies' October 2022 Total Potable Water Use 18% Less Than October 2019



Drought Response Actions Implemented by Member Agencies



Some Unique Drought Actions Being Implemented by Member Agencies

Daly City

- Using recycled water for outdoor irrigation and looking for ways to increase use

NCCWD

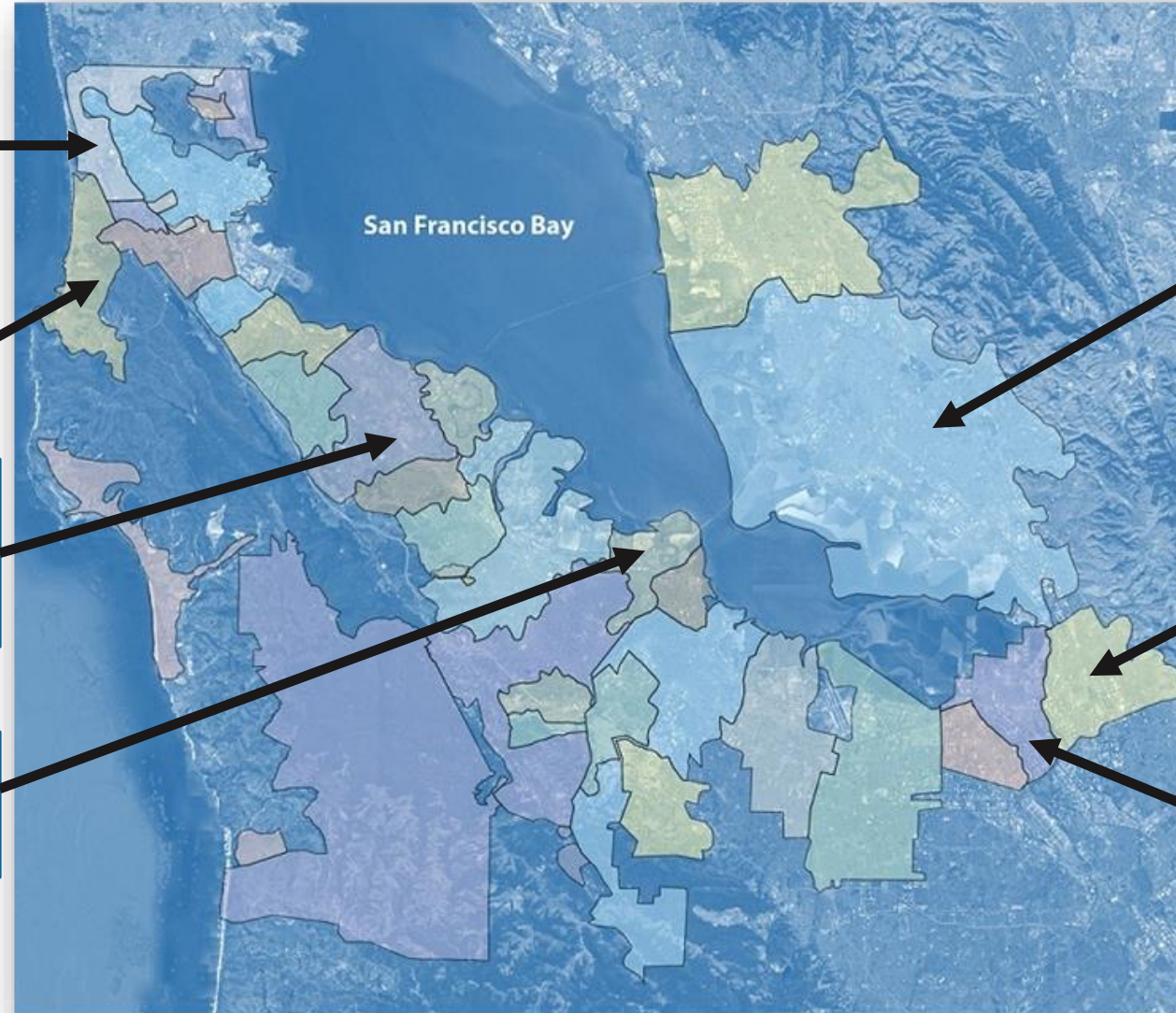
- Direct rain barrel purchase program

Cal Water

- Specific drought advertisements triggered based on weather conditions

Menlo Park

- Drought surcharge executed in August 2022



ACWD

- Utilizing RANS (Rapid Action Notification System) alerts for drought-related information

Milpitas

- “Lawn Bust Program” – *Our City Forest* to provide full-service lawn conversions for homeowners

San Jose

- Turf, high-water use plants, spray & overhead sprinkler systems prohibited in new construction

Parties Agree to a Tuolumne River Addendum to March 2022 Memorandum of Understanding (MOU) Related to Bay Delta Plan

- In November, a Tuolumne River specific addendum to the “MOU Advancing a Term Sheet for the Voluntary Agreements to Update and Implement the Bay-Delta Plan” was agreed to by State, SFPUC, and Districts that provides:
 - Greater water flows on the Tuolumne River to benefit native fish species above the existing required flows
 - Implementation of \$64M in habitat projects over the 8-year MOU term
 - A reliable supply of high-quality water at a fair price for the 1.8 million residents and over 40,000 businesses that BAWSCA represents and that rely on the Tuolumne River water supply
- MOU signatories are now working out the implementation details of a Bay-Delta wide voluntary agreement for evaluation by the State Board
- Working groups are in place to address technical details as well as legal matters
- SFPUC and Districts are participating in the work groups
- Unclear what the schedule for completion or deadline is at this time

Closed Session



Turn off the faucet while you brush


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Comments by Committee Members



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Next Meeting and Adjournment

Next Meeting

February 8, 2023

1:30 pm

Burlingame Community Center
Unless Otherwise Noticed