

NOTICE OF REGULAR MEETING OF BOARD OF DIRECTORS

DATE: Wednesday, January 17, 2024

TIME: 6:00 p.m. Closed Session  
7:00 p.m. Open Session (time approximate)

LOCATION: Zone 7 Administration Building  
100 North Canyons Parkway, Livermore, California

VIDEO/TELECONFERENCE:  
<https://us02web.zoom.us/j/81702782579>  
(669) 900-6833, Meeting ID: 817 0278 2579

LIVE STREAMING: Comcast Channel 29  
AT&T U-Verse Channel 99 (Livermore)  
Streaming Live at [tv29live.org](http://tv29live.org)

Any member of the public wishing to address the Board on an item under discussion may do so upon receiving recognition from the President. If the public wishes to provide comment before the meeting, please email [publiccomment@zone7water.com](mailto:publiccomment@zone7water.com) by 3:00 p.m. on Wednesday, January 17<sup>th</sup>.

In compliance with the Americans with Disabilities Act, the meeting room is wheelchair accessible and disabled parking is available at the Zone 7 Administrative Building lot. If you are a person with a disability and you need disability-related modifications or accommodations to participate in this meeting, please contact the Executive Assistant, Donna Fabian, at (925) 454-5000 or fax (925) 454-5723. Notification 48 hours prior to the meeting will enable Zone 7 to make reasonable arrangements to ensure accessibility to this meeting. {28 CFR 35.102-35, 104 ADA Title II}.

## AGENDA

1. Call Zone 7 Water Agency Meeting to Order
2. Closed Session
  - a. Conference with Legal Counsel - Existing Litigation (Gov Code § 54956.9): One case. Alameda County Flood Control & Water Conservation District, Zone 7 v. County of Alameda, (Alameda County Superior Court Case No. 23CV051449)
  - b. Conference with Labor Negotiators pursuant to Government Code section 54954.5: Agency Negotiators: Valerie Pryor/Osborn Solitei Employee Organizations: Alameda County Management Employees Association; Alameda County Building and Construction Trades Council, Local 342, AFL-CIO; International Federation of Professional and Technical Engineers, Local 21, AFL-CIO; Local 1021 of the Service Employees International Union, CTW; Unrepresented Management
  - c. Conference with Legal Counsel – Existing litigation pursuant to Gov’t Code section 54956.9(d) (1): (1) State Water Contractors v. California Department of Fish & Wildlife (Fresno County Superior Court, filed April 29, 2020), (2) Thomason v. Morrow (Alameda County Superior Court No. 18918041), (3) Stark v. Alameda County Flood Control and Water Conservation District, Zone 7 (Alameda County Superior Court Case No. 22-CV-5837), (4) Bautista v. Alameda County Flood Control and Water Conservation District, Zone 7 (Alameda County Superior Court Case No. 22-CV-10679); (5) In re: Aqueous Film-Forming Foams Products Liability Litigation (S.D. South Carolina, MDL No. 2:18-mn-2873-RMG)
  - d. Conference with Legal Counsel – Anticipated Litigation: Initiation of litigation pursuant to § 54956.9(d) (one case)
3. Open Session and Report Out of Closed Session
4. Pledge of Allegiance
5. Roll Call of Directors
6. Public Comment on Non-Agenda Items

*The Public Comment section provides an opportunity to address the Board of Directors on items that are not listed on the agenda, or informational items pertinent to the agency's business. The Board welcomes your comments and requests that speakers present their remarks in a respectful manner, within established time limits, and focus on issues which directly affect the agency or are within the jurisdiction of the agency. The Board will not be able to act on matters brought to its attention under this item until a future board meeting.*
7. Minutes
  - a. Regular Board Meeting Minutes of December 20, 2023

8. Consent Calendar
  - a. Award a Contract for Update of Asset Management Plan and Ten-Year Capital Improvement Plan
  - b. Adopt Revised Legislative Framework

Recommended Action: Adopt Resolutions

9. Energy Master Plan Baseline Assessment Informational Update

Recommended Action: Information Only

10. Committees
  - a. Legislative Committee Meeting Notes of December 12, 2023
  - b. Finance Committee Meeting Notes of December 14, 2023

11. Reports – Directors
  - a. Written Reports
  - b. Verbal Reports

12. Items for Future Agenda – Directors

13. Staff Reports
  - a. General Manager's Report
  - b. December Outreach Activities
  - c. Monthly Water Inventory and Water Budget Update

14. Adjournment

15. Upcoming Board Schedule: (All meeting locations are in the Boardroom at 100 North Canyons Parkway, Livermore, unless otherwise noted.)
  - a. Legislative Committee Meeting: January 25, 2024, 4:00 p.m.
  - b. Special Board Meeting (if needed): February 7, 2024
  - c. Finance Committee Meeting: February 15, 2024, 11:00 a.m.
  - d. Regular Board Meeting: February 21, 2024, 7:00 p.m.

MINUTES OF THE BOARD OF DIRECTORS  
ZONE 7

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

REGULAR MEETING  
December 20, 2023

The following were present:

Directors: Sandy Figuers  
Dennis Gambs  
Laurene Green  
Kathy Narum  
Sarah Palmer  
Angela Ramirez Holmes

Staff: Valerie Pryor, General Manager  
Osborn Solitei, Treasurer/Assistant General Manager – Finance  
Jarnail Chahal, Acting Assistant General Manager – Engineering/Operations  
Teri Yasuda, Accounting Manager  
Donna Fabian, Executive Assistant

General Counsel: Rebecca Smith, Downey Brand

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Item 1 – Call Zone 7 Water Agency Meeting to Order

President Figuers called the Regular Meeting of the Board of Directors to order at 7:17 p.m.

Item 2 – Closed Session

The Board went into Closed Session at 6:01 p.m. and came out of Closed Session at 7:06 p.m.

Item 3 – Open Session and Report Out of Closed Session

President Figuers stated that the Board evaluated the performance of Rebecca Smith, General Counsel, and deemed her performance to be very satisfactory.

Item 4 – Pledge of Allegiance

President Figuers led the Pledge of Allegiance.



#### Item 5 – Roll Call of Directors

All Directors were present.

#### Item 6 – Public Comment

There was no public comment.

#### Item 7 – Minutes

Director Palmer made a motion to approve the Special Board Meeting minutes of November 1, 2023, and Director Ramirez Holmes seconded the motion. Director Palmer made a motion to approve the Regular Board Meeting minutes of November 15, 2023, and Director Green seconded the motion. Both motions were approved by a voice vote of 7-0.

#### Item 8 – Consent Calendar

Director Narum commended staff on Item 8c, the PG&E Interconnection Agreement, as an impressive showcase of staff initiative. She noted staffs proactive efforts to advance the project to a stage where, if implemented, it would qualify under Net Energy Metering 2 (NEM2) for solar. She emphasized that this alignment would significantly benefit the Agency compared to a less favorable outcome under Net Energy Metering 3 (NEM3).

Director Gambs pulled Item 8d to ask for confirmation that as part of the study it will include the allocation of cost on Zone 7's major water supply reliability projects. Osborn Solitei, Treasurer/Assistant General Manager – Finance, responded by drawing attention to page two of the staff report, where the comprehensive scope of work is outlined. He pointed out that, under bullet two, the report explicitly details the assessment of the Agency's current cost allocation methodology for projects designated to the expansion fund.

Director Narum made a motion to approve Items 8a, 8b, 8c, 8e, 8f and 8g and Director Ramirez Holmes seconded the motion. Director Gambs made a motion to approve Item 8d and Director Palmer seconded the motion. Items 8a through 8g were approved by a voice vote of 7-0.

#### Item 9 – Independent Auditor's Report and ACFR for FY Ended June 30, 2023

Ken Pun from the Pun Group presented the Independent Auditor's Report and Annual Comprehensive Financial Report (ACFR) for the fiscal year ended June 30, 2023, as required by AU-C 260 communications with those charged with governance. He outlined the scope of work, which included a comprehensive audit of the ACFR aligned with the Government Finance Officers Association (GFOA) standards.

The Agency submitted the financial statement to GFOA for the Excellent Financial Reporting Award, exceeding basic financial statement requirements. Additionally, the audit, conducted under government auditing standards, included a report on internal control over financial reporting and compliance.

Mr. Pun emphasized the auditor's responsibility to form an opinion on the fair presentation of financial statements and the agency's adherence to accounting principles. He noted the inclusion of new GASB pronouncements, highlighting GASB Statement No. 96 which had minimal impact on financial statements.

Mr. Pun addressed key points, including independence and ethics adherence, significant accounting policies, and estimates used in financial statements. He recommended reviewing sensitive disclosures in the footnotes. No corrected or uncorrected misstatements were found, indicating a well-managed financial reporting process.

The overview of financial statements revealed a \$19 million surplus, with total net position reaching \$586 million. Mr. Pun detailed total expenses, program revenue, and net cost of service, pointing out the increase in net position by \$19 million.

He provided insights into the cash and investment portfolio, including funds held in county and agency treasuries. Estimates for pension and OPEB liabilities were discussed, emphasizing the impact of discount rate and cost trend rate variations.

Mr. Pun concluded by stating the delivery of an unmodified or "clean" opinion, signifying fair presentation and consistent application of accounting policies. No internal control issues were identified.

Director Palmer asked for some clarification on page 12 regarding deferred inflows of resources and asked for an example. Mr. Pun responded that the deferring inflows and deferred outflows are new elements under the concept statement number six. They are treated as prepaid or unearned in the financial statement. Including in the deferred inflows and deferred outflow resource, are items that are related to the pension assumption that is going to be amortized within the next couple of years.

Director Narum made a motion to approve the Resolution and Director Palmer seconded the motion. Item 9 was approved by a voice vote of 7-0.

#### Item 10 – Committees

There were no comments on the Committee notes.

#### Item 11 – Temporary Adjournment/Continuance of Zone 7 Water Agency Meeting

President Figuers adjourned the Zone 7 Water Agency meeting at 7:47 p.m.

#### Item 12 – Call Livermore Valley Water Financing Authority Regular Meeting to Order

President Figuers called the Livermore Valley Water Financing Authority Regular Meeting to Order at 7:47 p.m.

#### Item 13 – Roll Call of LVWFA Board

All Directors were present.

#### Item 14 – Public Comment

There was no public comment.

#### Item 15 – Livermore Valley Water Financing Authority, Water Revenue Bonds, 2018 Series for the Year Ended June 30, 2023

Mr. Solitei provided an overview of the current debt situation. He highlighted the utilization of both the existing debts and the 2018 debts, amounting to a total expenditure of \$71 million. With the project nearing completion, all bond proceeds have been exhausted, concluding the spending phase.

Additionally, Mr. Solitei touched upon the arbitrage calculation, noting that there are no interest earnings on the bond proceeds to report. This aspect will be consistently mentioned in future reports.

Mr. Solitei briefly mentioned the issuance of the 2023 water revenue bonds, totaling approximately \$30 million for the PFAS project. He emphasized that future reports would delve into the details of how the funds are allocated, the interest earned, and the payments made. He added that this summary is aimed to provide a clear snapshot of the debt situation, affirming that the funds have been acquired and are currently being spent.

#### Item 16 – Adjournment of Livermore Valley Water Financing Authority Regular Meeting

President Figuers adjourned the Livermore Valley Water Financing Authority Regular Meeting at 7:49 p.m.

#### Item 17 – Call Zone 7 Water Agency Meeting to Order

President Figuers called the Zone 7 Water Agency Meeting back to Order at 7:49 p.m.

#### Item 18 – Reports – Directors

Director Palmer submitted a written report and also gave a verbal report. Director Ramirez Holmes reported that she attended many meetings with the Los Vaqueros JPA and she also attended the ACWA conference. Directors Benson, Gambs, and Green also reported that they attended the ACWA conference.

#### Item 19 – Items for Future Agenda – Directors

Director Benson stated that she would like an ACWA Foundation presentation at a future Board meeting.

#### Item 20 – Staff Reports

There were no comments on the Staff Reports.

#### Item 21 – Adjournment - President Figuers adjourned the meeting at 8:03 p.m.

**ORIGINATING SECTION:** Water Supply Engineering

**CONTACT:** Mariza Sibal/Mona Olmsted

**AGENDA DATE:** January 17, 2024

**SUBJECT:** Award a Contract for Update of Asset Management Plan and Ten-Year Capital Improvement Plan

**SUMMARY:**

- To support Zone 7 Water Agency's (Zone 7) mission to deliver a safe and reliable supply of high-quality water for the Tri-Valley, Zone 7 is updating the Agency's Water System Asset Management Plan (AMP Update) and developing the Water System Ten-Year Capital Improvement Plan (Ten-Year CIP). This project is in support of Strategic Plan Initiative 3 – Continue to effectively implement infrastructure projects in the Water System Capital Improvement Program, and Initiative 22 – Develop a long-range finance strategy.
- The AMP identifies and documents near- and long-term renewal, replacement, and system-wide improvement project needs and the Agency's funding strategy for implementing those projects. The last comprehensive AMP Update was completed in 2011, followed by a limited update in 2017. The 2011 update included the development of asset classes to facilitate future data collection and decision-making and improvements to the long-term funding forecast methodology. The 2017 update provided updates to the project and funding needs for incorporation into the Fiscal Year 2018-19 Ten-Year Water System CIP.
- The CIP identifies the capital projects and programs needed to carry out the goals and policy objectives of the Agency and describes the water system projects, costs, schedules, and priorities. The last comprehensive Ten-Year Water System CIP update was completed in October 2017, with the Five-Year Water System CIP completed and adopted in June 2023. The Five-Year CIP update was conducted to satisfy the bond issuance disclosure requirement of providing an accurate financial plan that includes a five-year CIP outlook in the Official Statement.
- In accordance with the Agency's Purchasing Policy, a competitive procurement process was conducted to select a consultant to prepare the AMP Update and Ten-Year CIP. A Request for Proposals (RFP) was issued on October 3, 2023. The RFP was posted on the Agency's website and directly distributed to over thirty consultant firms. One proposal was received on November 6, 2023, from HDR, Inc. Upon review of the proposal, HDR, Inc., was found to be responsible and qualified based on the evaluation criteria.

- The Agency has previously contracted with HDR, Inc., to prepare the 2011 and 2017 AMP updates, and staff have been satisfied with the firm's services. HDR's scope of work for the AMP Update and Ten-Year CIP includes, but is not limited to, the following tasks: perform a condition assessment of above-ground assets that are nearing the end of their original useful life and a risk analysis of below-ground assets to determine remaining useful life and true replacement costs under current conditions; evaluate current annual funding levels, recommend the appropriate AMP annual funding allowance, and evaluate the impact to Zone 7's water rates; develop a CIP framework that aligns with Zone 7's vision and mission as outlined in the Strategic Plan; for each project in the Ten-Year CIP, develop or update project descriptions, justifications, cost estimates, project schedules, and funding sources; and prepare the AMP Update and Ten-Year CIP documents.
- The AMP Update and Ten-Year CIP development are anticipated to be completed in fall 2024.
- Staff recommends that the Board authorize the General Manager to negotiate, execute, and amend, as needed, a professional services agreement with HDR, Inc., to prepare the AMP Update and Ten-Year CIP in an amount not-to-exceed \$486,000, which includes a 10% contingency.

#### **FUNDING:**

Funding for the project is available in the FY 2023-24 Adopted Budget for Fund 120 – Water Enterprise Renewal/Replacement & System-wide Improvements and Fund 130 – Water Enterprise Capital Expansion Fund.

#### **RECOMMENDED ACTION:**

Adopt the attached Resolution.

#### **ATTACHMENT:**

Resolution

ZONE 7  
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

BOARD OF DIRECTORS  
RESOLUTION NO. 24-

INTRODUCED BY DIRECTOR  
SECONDED BY DIRECTOR

**Award a Contract for Update of Asset Management Plan and  
Ten-Year Capital Improvement Plan**

WHEREAS, Zone 7 is updating the Agency's Water System Asset Management Plan (AMP Update) and developing the Water System Ten-Year Capital Improvement Plan (Ten-Year CIP) to support Zone 7's mission to deliver a safe and reliable supply of high-quality water for the Tri-Valley; and

WHEREAS, the proposed AMP Update and Ten-Year CIP development are in support of Strategic Plan Initiative 3 – Continue to effectively implement infrastructure projects in the Water System Capital Improvement Program, and Initiative 22 – Develop a long-range finance strategy; and

WHEREAS, the Agency requires the assistance of an engineering consultant to prepare the AMP Update and Ten-Year CIP; and

WHEREAS, in accordance with the Agency's Purchasing Policy, a competitive procurement process was conducted to select a consultant to prepare the AMP Update and Ten-Year CIP by issuing a Request for Proposals on October 3, 2023; and

WHEREAS, one proposal was received from HDR, Inc.; and

WHEREAS, HDR, Inc., was found to be responsible and qualified based on the evaluation criteria.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District does hereby authorize the General Manager to negotiate, execute, and amend as necessary a professional services agreement with HDR, Inc., to prepare the AMP Update and Ten-Year CIP in an amount not-to-exceed \$486,000, which includes a 10% contingency.

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSENT:

ABSTAIN:

I certify that the foregoing is a correct copy of a Resolution adopted by the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District on January 17, 2024.

By: \_\_\_\_\_  
President, Board of Directors

**ORIGINATING SECTION:** Office of the General Manager  
**CONTACT:** Carol Mahoney/Valerie Pryor

**AGENDA DATE:** January 17, 2024

**SUBJECT:** Adopt Revised Legislative Framework

**SUMMARY:**

The Legislative Framework was first adopted by the Board in December 2021 and acts to guide to the Board, Legislative Committee, and staff on matters pertaining to Agency interests with respect to federal, state, and local government legislative actions. The Legislative Framework was reviewed and discussed by the Legislative Committee on December 12, 2023. No changes were recommended to the body of the document; however, to conform with the legislative positions used by the Association of California Water Agencies (ACWA), a position of "Not Favor Unless Amended" was added to the list of potential legislative positions the Board could consider. The Committee recommends that the Zone 7 Board of Directors accept this addition and adopt the attached Legislative Framework, as revised. This action supports Strategic Plan, Goal F – Stakeholder Engagement, engage our stakeholders to foster understanding of their needs, the Agency, and its function; and fulfills Goal G - Fiscal Responsibility, Initiative No. 23 – Track State and Federal funding opportunities.

**FUNDING:**

N/A

**RECOMMENDED ACTION:**

Adopt the attached resolution.

**ATTACHMENTS:**

1. Resolution
2. Legislative Framework (Revised Draft)

ZONE 7  
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

BOARD OF DIRECTORS

RESOLUTION NO. 24-

INTRODUCED BY DIRECTOR  
SECONDED BY DIRECTOR

**Adopt Revised Legislative Framework**

WHEREAS, the Board created a Legislative Committee to review and recommend positions on key legislative actions; and

WHEREAS, the adoption of a legislative framework supports Strategic Plan, Goal F – Stakeholder Engagement, engage our stakeholders to foster understanding of their needs, the Agency, and its function; and Goal G - Fiscal Responsibility, Initiative No. 23 – Track State and Federal funding opportunities; and

WHEREAS, to provide a roadmap in supporting the goals of the Strategic Plan and to guide the Board, Legislative Committee, and staff on matters pertaining to Agency interests with respect to federal, state, and local government legislative actions, the Legislative Framework was initially adopted on December 15, 2021; and

WHEREAS, the Legislative Committee plans to review, and update as needed, the Legislative Framework annually.

NOW, THEREFORE, BE IT RESOLVED that the Zone 7 Board of Directors of the Alameda County Flood Control and Water Conservation District does hereby adopt the attached Legislative Framework, as revised.

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSENT:

ABSTAIN:

I certify that the foregoing is a correct copy of a Resolution adopted by the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District on January 17, 2024.

By: \_\_\_\_\_  
President, Board of Directors



# ZONE 7 WATER AGENCY Legislative Framework

DRAFT 2024



Water Quality

Water Supply  
and Treatment



Stormwater Runoff

Flood  
Protection



Water Storage

Groundwater  
Management

ZONE 7  
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

BOARD OF DIRECTORS

RESOLUTION NO. 21-99

INTRODUCED BY DIRECTOR SMITH MCDONALD  
SECONDED BY DIRECTOR GREEN

**Adopt Legislative Framework**

WHEREAS, it was the Board intent to create a Legislative Committee to review and recommend positions on key legislative actions; and

WHEREAS, the adoption of a legislative framework will provide a roadmap for the Legislative Committee and staff and supports Strategic Plan, Goal F – Stakeholder Engagement, engage our stakeholders to foster understanding of their needs, the Agency, and its function; and Goal G - Fiscal Responsibility, Initiative No. 23 – Track State and Federal funding opportunities; and

NOW, THEREFORE, BE IT RESOLVED that the Zone 7 Board of Directors of the Alameda County Flood Control and Water Conservation District does hereby adopt the attached Legislative Framework.

ADOPTED BY THE FOLLOWING VOTE:

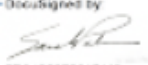
AYES: DIRECTORS FIGUERS, GAMBS, GREEN, PALMER, SANWONG, SMITH MCDONALD

NOES: NONE

ABSENT: DIRECTOR RAMIREZ HOLMES

ABSTAIN: NONE

I certify that the foregoing is a correct copy of a Resolution adopted by the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District on December 15, 2021.

Declassified by  
By:   
Vice President, Board of Directors

## GUIDING PRINCIPLES

The guiding principles represent the Agency's adopted policies and plans and frames the Agency's legislative interests with respect to the Agency's mission, vision, and values. Recurring planning efforts for which legislative action may be monitored for impacts to the Agency include updates to capital improvement plans, water supply plans (i.e., Urban Water Management Plan, Groundwater Sustainability Plan, Water Supply Evaluation), flood management plans, and fiscal plans and budgets.

### GOALS

#### Advocate

The Agency's legislative interests:

- State
- Region
- Federal Levels

#### Inform

Provide information to:

- Legislators, Board of Directors, and staff on the legislative process and key issues and legislation that could have an impact on the Agency

#### Serve

Actively participate with:

- Other water districts, the Association of California Water Agencies (ACWA), California Special Districts Association (CSDA), and regional agencies on legislative/regulatory issues that are important to the Agency

### FOCUS AREAS

The following Focus Areas identify potential areas of legislative interest based on the Agency's Strategic Planning Priorities and Mission.

#### 1. Water Supply, Conservation, and Source Water

- a. The Agency supports legislation and policies that protect or enhance Zone 7's ability to fulfill our Mission to deliver safe, reliable, efficient and sustainable water services; and
- b. The Agency supports legislation and policies that align with and further the Goals and Initiatives of our 5-Year Strategic Plan as they relate to water supply, conservation, or source water matters.

## **FOCUS AREAS** (Continued)

### **2. Water Quality and Treatment**

- a. The Agency supports legislation and policies that further science-based and evidence-driven water quality standards and treatment methods; and
- b. The Agency supports exploring funding opportunities that further treatment methodologies, facilities, and standards.

### **3. Flood Protection and Stormwater**

- a. The Agency supports legislation and policies that protect or enhance Zone 7's ability to fulfill our Mission to deliver safe, reliable, efficient and sustainable flood protection services; and
- b. The Agency supports legislation and policies that align with and further the Goals and Initiatives of our 5-Year Strategic Plan as they relate to flood protection and stormwater matters.

### **4. Environmental Regulations and Related Climate Impacts**

- a. The Agency supports legislation and policies that align with and further the Agency's ability to fulfill our Mission and meet the Goals and Initiatives of our 5-Year Strategic Plan.

### **5. Fiscal Matters Impacting Water, Flood, or Special Districts**

- a. The Agency supports legislation and policies that protect existing federal, state, and local funding sources that provide revenues to Zone 7; and
- b. The Agency supports exploring funding opportunities that further our Mission.

### **6. Energy Matters Impacting Water, Flood, or Special Districts**

- a. The Agency supports legislation and policies that align with and further Agency's ability to fulfill our Mission and meet the Goals and Initiatives of our 5-Year Strategic Plan, including the implementation of cost-effective energy projects and programs to optimize Zone 7's energy use portfolio, energy resiliency, and carbon footprint.

## STRATEGIES

### Communication:

Communicate legislative positions on proposed federal, state, county and local legislation, measures, initiatives, and governmental regulations.

- Work with legislative advocates to develop positions on proposed legislative measures
- Review positions and analysis by the Association of California Water Agencies (ACWA), California Special Districts Association (CSDA), and others in formulating Agency's position
- The Agency will only take positions on proposals that clearly impact our Agency or state water policy
- Actively track key bills through the legislative process
- Communicate the Agency's position through correspondence, testimony, and meetings
- Meet with legislators and their representatives on a regular basis to discuss issues, proposed legislation, and Agency services

### Advocate, as directed, and Seek Funding:

- Seek federal, state, regional, and county funding for Agency projects.
- Advocate and request letters of support for Agency projects and grant applications

## PROCESS

The Legislative Committee of the Zone 7 Board of Directors will meet regularly to review and discuss pending and/or potential legislation. The Committee will also review proposed regulatory actions and forward a recommendation to the Board for consideration and adoption. Once a determination has been made, if appropriate, a letter outlining the Agency's position will be drafted for the Board President or General Manager's signature. A copy of all legislative letters will be distributed to the Board of Directors.



## POSITIONS

Options for positions are identified below:

- **Support (S)** — Agency actively supports the proposed legislation.
- **Support if Amended (S/A)** — Agency will actively support the proposed legislation, if it is amended to address specific shortcomings identified by the Agency.
- **Favor (F)** — Agency will join with other organizations in support but will not engage actively in advocacy for the measure.
- **Favor, if Amended (F/A)** — Agency will join with other organizations in support, if legislation is amended to address specific shortcomings identified by the Agency, but will not engage actively in advocacy for the measure.
- **Watch (W)** — Measures or general issues have not been sufficiently defined for a formal position.
- **Not Favor (NF)** — Agency will join with other organizations in opposition, but will not engage actively in advocacy against the measure.
- **(NEW) Not Favor Unless Amended (NF/A)** — Agency will join with other organizations in opposition, unless the legislation is amended to address shortcomings identified by the Agency, but will not engage actively in advocacy against the measure.
- **Oppose Unless Amended (O/A)** — Agency will actively oppose the proposed legislation unless it is amended to address specific shortcomings.
- **Oppose (O)** — Agency actively opposes the proposed legislation.



**ORIGINATING SECTION:** Integrated Planning  
**CONTACT:** James Carney/Ken Minn

**AGENDA DATE:** January 17, 2024

**SUBJECT:** Energy Master Plan Baseline Assessment Informational Update

**SUMMARY:**

- In support of Zone 7 Water Agency's Strategic Goal E – Effective Operations, and to implement the Strategic Plan Initiative #16: Develop and Implement an Energy Strategy, Zone 7 is developing an Energy Master Plan. The Energy Master Plan will document Zone 7's energy strategy and prioritize energy-related activities, projects, and investments consistent with Zone 7's mission, goals, and policies.
- On July 19, 2023, the Board awarded a contract to Carollo Engineers for development of an Energy Master Plan (Resolution No. 23-56). The Energy Master Plan development consists of four key steps: 1) baseline energy assessment; 2) development of an energy policy; 3) project identification, screening, and prioritization; and 4) documentation.
- The baseline energy assessment evaluates Zone 7's current energy use across its operations and facilities and appraises the Agency's current energy efficiency and emissions. This assessment provides an understanding of Zone 7's baseline performance and the areas and facilities with opportunities to improve energy efficiency. The assessment will help Zone 7 to identify and prioritize opportunities for future energy projects and investments.
- At the January 17, 2024, Board meeting, staff will present the findings of the baseline energy assessment as an informational item.
- The next step will be to develop Zone 7's energy policy to define the Agency's energy goals and priorities. The energy policy will guide Zone 7 in identifying, prioritizing, and recommending projects that align with the energy policy and support Zone 7's mission.
- A special Board workshop is anticipated for March 2024 for Board input and direction on policy development.

**FUNDING:** No funding is requested.

**RECOMMENDED ACTION:** Information only.

ZONE 7 BOARD OF DIRECTORS  
SUMMARY NOTES OF THE LEGISLATIVE COMMITTEE

December 12, 2023  
3:00 p.m.

Directors Present: Dawn Benson (arrived at 3:25 pm)  
Dennis Gambs  
Angela Ramirez Holmes

Staff Present: Valerie Pryor, General Manager  
Carol Mahoney, Government Relations Manager  
Donna Fabian, Executive Assistant

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### **1. Call Meeting to Order**

Director Ramirez Holmes called the meeting to order at 3:04 p.m.

### **2. Public Comment on Items Not on the Agenda**

There were no public comments.

### **3. Review/Amend Legislative Framework**

Carol Mahoney, Government Relations Manager, provided an overview of the Legislative Framework approved by the Board in March. She stated that this was the annual review to discuss and any adjustments or additions, with the goal of presenting any changes to the full Board.

Director Gambs asked for clarification on the recommended process in terms of the timing for the Committee to seek full board approval on legislative items. Director Ramirez Holmes responded by providing insight into the legislative review process, particularly in relation to the involvement of the Gualco Group, Zone 7's state lobbyist. She explained that the Gualco Group compiles a legislative list for the Board's consideration. Additionally, Director Ramirez Holmes highlighted the role of the Association of California Water Agencies (ACWA) State Legislation Committee in collectively determining the board's stance on various bills. Director Ramirez Holmes clarified that the Committee, after making a recommendation, must await the full board's approval before issuing a letter of support or opposition. Additionally, Director Ramirez Holmes requested that Zone 7 match ACWA's positions.

The Committee discussed if Zone 7 should focus on PFAS specifically in area number 2 of the framework, or would generic messaging suffice. Director Ramirez Holmes pointed out that policies and frameworks are good when they're not overly specific so that the Committee can be adaptable to whatever comes up. Director Ramirez Holmes stated that this discussion



pertains specifically to the legislative framework and that staff review regulatory matters in a similar fashion to legislative one, but guidelines for regulation review doesn't come to the Committee. Most of the regulatory comment letters are items that have to be acted on quickly with no time to go to the Committee and board process, so staff will handle those directly and advise the Board when regulations may impact Zone 7.

The Committee agreed to forward the Legislative Framework to the full Board in January for approval of conforming legislative positions with those used by ACWA.

#### **4. Legislative Updates and Planning**

Ms. Mahoney provided an update on the federal community project request made in March, reporting that the bill had passed the U.S. House and was awaiting a U.S. Senate hearing. The requested amount for Zone 7's Chain of Lakes PFAS treatment facility project was reduced to \$959,752 in the House-approved bill, with uncertainty about further reductions in the Senate. The initial plan to approve it in October was delayed, and now the potential discussion could occur before the session ends in December or may be taken up later. The funding falls under the Department of the Interior and EPA's State and Tribal Grants Program.

Director Gambs inquired about earmarks in the bill and if it included PFAS, and Ms. Mahoney explained that various projects with similar scopes received similar amounts, emphasizing that Zone 7's reduction to \$959,752 was part of a block of projects. Ms. Mahoney also mentioned the possibility of future community project requests, highlighting the ongoing opportunities to build relationships with federal legislators.

Ms. Mahoney proceeded to update the Committee on the Water Resources Development Act (WRDA) for 2024. Representative DeSaulnier's office reached out to Zone 7, but after reviewing potential projects with the Army Corps of Engineers, it was suggested to wait until the flood management plan is complete before considering a recommendation for any future WRDA.

Director Ramirez Holmes emphasized the importance of the committee in pursuing additional opportunities and clarified their role in educating members about potential state ballot initiatives. Ms. Mahoney then discussed initiatives that might be on the 2024 ballot, focusing on one related to greenhouse gas reduction goals. Director Ramirez Holmes redirected the discussion, emphasizing the need to wait until initiatives qualify for the ballot before weighing in. She noted that it would be helpful to have a presentation at a future Committee meeting from Zone 7's legal counsel on initiatives that have qualified for the ballot and may impact Zone 7.

Kendra Daijogo of the Gualco Group updated the group on pending legislation, noting bills of interest to Zone 7 that did not pass but could be reconsidered in the second year of the legislative session. She highlighted deadlines in January, including bill submission and the last day for each house to pass bills from the previous year. Bob Gore of the Gualco Group discussed the state's dire budget deficit and its impact on funding sources for the next five years.

Director Ramirez Holmes raised questions about the attention to water issues given changes in committee chairs. Ms. Daijogo explained the dynamics and mentioned the potential impact of the budget deficit on climate, water, and energy programs. Mr. Gore provided insights into the bond discussions, regulatory developments, and upcoming reports on brackish desalination projects.

Director Ramirez Holmes suggested including regular updates on key regulatory topics such as direct potable reuse, stormwater regulations, and conservation as a way of life in future Committee meetings. Ms. Mahoney agreed to add these updates along with the executive summary in the monthly legislative staff report.

## **5. Verbal Reports**

There were no verbal reports.

## **6. Adjournment**

Director Ramirez Holmes adjourned the meeting at 4:02 p.m.

ZONE 7 BOARD OF DIRECTORS  
SUMMARY NOTES OF THE FINANCE COMMITTEE

December 14, 2023  
11:00 a.m.

Directors Present: Dennis Gambs  
Kathy Narum  
Angela Ramirez Holmes

Staff Present: Valerie Pryor, General Manager  
Osborn Solitei, Treasurer/Assistant General Manager - Finance  
Teri Yasuda, Accounting Manager  
Donna Fabian, Executive Assistant

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1. Call Meeting to Order

Director Ramirez Holmes called the meeting to order at 11:00 a.m.

2. Public Comment on Items Not on the Agenda

There was no public comment.

3. Independent Auditor's Report and Annual Comprehensive Financial Report (ACFR) for the Fiscal Year Ended June 30, 2023

Ken Pun from the Pun Group presented a summary of the Annual Comprehensive Financial Report, highlighting its completion and issuance in the preceding week. The presentation followed the standard protocol outlined in AU-C sections 260, focusing on communications with those charged with governance.

Mr. Pun covered various aspects, starting with the scope of work undertaken by the auditing firm. He emphasized the importance of the required communications, which were included in the packet as a Statement on Auditing Standards (SAS) No. 114 letter. Key areas of discussion included the agency's financial sections, statistical sections, and the required Report on Internal Control Over Financial Reporting, in compliance with government auditing standards.

As the auditor, Mr. Pun expressed his responsibility to form and express an opinion on whether the financial statements were prepared in accordance with Generally Accepted Accounting Principles (GAAP). He clarified that while they consider internal control over financial reporting for audit procedures, their role doesn't extend to providing assurance concerning internal control.

Mr. Pun highlighted the assistance provided to the Agency in preparing financial statements, including footnote disclosures. He assured the Committee of compliance with ethical standards

to maintain independence. Additionally, the adoption of sound accounting policies by Zone 7 was highlighted.

Mr. Pun discussed new Governmental Accounting Standards Board (GASB) pronouncements for the fiscal year, with minimal impact on the financial statements. Notable mentions included GASB Statement No. 87 implementation in the previous year and four new GASB standards for the current fiscal year.

Significant estimates in financial statements, such as fair value on investments, depreciation on capital assets, and net pension and OPEB liabilities/assets, were explained. Sensitive disclosures from various notes, including accounting policies, cash and investment details, lease arrangements, long-term debt, pension plans, and post-employment benefits, were highlighted.

Mr. Pun commended the Agency for the absence of material misstatements and the efficient completion of closing procedures by the team. He reported no significant difficulties or disagreements with management during the audit process.

Moving to the financial overview, as of June 30, 2023, the agency's total net position was \$586 million. This comprised \$310 million in net investment in capital assets, \$195 million in restricted net position, and \$81 million in unrestricted net position. The fiscal year showed a surplus of \$19 million, with total expenses of \$106 million net of program revenue.

Mr. Pun detailed the portfolio, including cash in the County treasury, cash in investment with the Agency treasury, and restricted cash, totaling \$297 million. The sensitivity of net pension and OPEB liabilities to changes in discount rates and healthcare trend rates was discussed.

The audit results were concluded with the issuance of an unmodified opinion, signifying a clean audit. Mr. Pun affirmed the fair presentation of financial statements in accordance with GAAP, with no reported internal control issues.

Committee members inquired about the drop in charges for services, which was attributed to a reduction in connection fees. Ken Pun clarified that the decrease in water sales was a common trend across water districts due to conservation efforts.

Mr. Pun emphasized the importance of an unmodified opinion and outlined the various purposes an audit serves, including compliance reporting for grants and legal requirements by State Controller.

Mr. Pun provided insights into the multi-phase audit approach, covering planning, risk assessment, and year-end phases. He highlighted the minimal high-risk areas in the Agency's financial processes.

Director Ramirez Holmes highlighted Note 8 on pensions, emphasizing the significance of the Section 115 fund and its long-term commitment to employees. She also inquired about obtaining a copy of the report submitted to the Controller regarding employee pay. Mr. Solitei responded that it would be available by February.

The meeting concluded with the committee unanimously agreeing to forward the auditor's report to the full Board for further consideration.

4. Verbal Reports

There were no verbal reports.

5. Adjournment

Director Ramirez Holmes adjourned the meeting at 11:44 a.m.

## Palmer report for January 2024

### Delta Conveyance Project update December 21 (SOLSTICE!!!)

The Department of Water Resources (DWR) today approved the Delta Conveyance Project, a modernization of the infrastructure system that delivers water to millions of Californians. DWR has certified the [Environmental Impact Report](#) (EIR) and completed an extensive environmental review. DWR selected the "[Bethany Reservoir Alignment](#)" for further engineering, design and permitting.

<https://water.ca.gov/News/News-Releases/2023/Dec-23/Department-of-Water-Resources-Approves-Delta-Conveyance-Project>

### DCA Update:

Board Meeting 12/14/2023

SOCIAL JUSTICE ADVOCATES JOIN PUBLIC WATER AGENCIES, BUSINESS AND LABOR LEADERS ACROSS CALIFORNIA URGING GOVERNOR NEWSOM TO IMPLEMENT DELTA CONVEYANCE PROJECT TO COMPLETE "ALL OF THE ABOVE" WATER SECURITY STRATEGY

### December 14, 2023

<https://watersecurityca.com/2023/12/14/social-justice-advocates-join-public-water-agencies-business-and-labor-leaders-across-california-urging-governor-newsom-to-implement-delta-conveyance-project-to-complete-all-of-the-above/>

Delta Conveyance Project Quote sheet December 2023 - Comments in support by State Water Project agency members

[http://swc.org/wp-content/uploads/2023/12/DCP-Quote-Sheet\\_December-2023.pdf](http://swc.org/wp-content/uploads/2023/12/DCP-Quote-Sheet_December-2023.pdf)

### PFAS

from Patrick Versluis of ACWA Water Quality PFAS workgroup:

1. **EPA Progress Report on PFAS Strategic Roadmap**

Last week on Thursday, December 14<sup>th</sup>, EPA released the Second Annual Progress Report for the PFAS Strategic Roadmap (see link below).

[EPA Releases Annual Report Showing Steady Progress to Protect Communities from PFAS Pollution | US EPA](#)

2. **EPA PFAS MCL Update**

It has been reported that on Friday, December 15<sup>th</sup>, EPA submitted the final PFAS MCLs to the Office of Management and Budget (OMB) for review. There is not much additional information available although some sources have stated that the review by OMB could maybe take 60-90 days. The review by OMB is the final step before US EPA would publish the final PFAS MCLs.

More PFAS!! From a GRACAST meeting of December 13, 2023, for the truly nerdy.

**PREDICTION OF 35 TARGET PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN CALIFORNIA GROUNDWATER USING MULTILABEL SEMI SUPERVISED MACHINE LEARNING**

**Christopher Olivares Martinez, Ph.D., UC Irvine**  
**Jialin Dong, UC Irvine**

Comprehensive monitoring of perfluoroalkyl and polyfluoroalkyl substances (PFASs) is challenging because of the high analytical cost and an increasing number of analytes. [Martinez and Dong] developed a machine learning pipeline to understand environmental features influencing PFAS profiles in groundwater. By examining 23 public data sets (2016–2022) in California, [their group] built a state-wide groundwater database (25,000 observations across 4200 wells) encompassing contamination sources, weather, air quality, soil, hydrology, and groundwater quality (PFASs and co-contaminants). [They] used supervised learning to prescreen total PFAS concentrations above 70 ng/L and multilabel semi supervised learning to predict 35 individual PFAS concentrations above 2 ng/L. Random forest with ADASYN oversampling performed the best for total PFASs (AUROC 99%). XGBoost with SMOTE oversampling achieved the AUROC of 73–100% for individual PFAS prediction. Contamination sources and soil variables contributed the most to accuracy. Individual PFASs were strongly correlated within each PFAS's subfamily (i.e., short- vs long-chain PFCAs, sulfonamides). These associations improved prediction performance using classifier chains, which predicts a PFAS based on previously predicted species. [They] applied the model to reconstruct PFAS profiles in groundwater wells with missing data in previous years. [This] approach can complement monitoring programs of environmental agencies to validate previous investigation results and prioritize sites for future PFAS sampling.

**State Water Project News and Info**

Just released December 14, 2023: information on the economics of SWP

<https://water.ca.gov/News/Blog/2023/Dec-23/State-Water-Project-Drives-Californias-Economy>

<https://water.ca.gov/-/media/DWR-Website/Web-Pages/News/Files/FINAL-12-14-2023---The-Economy-of-the-State-Water-Project.pdf>

**Lead and Copper Rule Revisions (LCRR) and Lead and Copper Rule Improvements (LCRI) (upcoming)**

**January 3, 2024:** ACWA workgroup to discuss ACWA CMUA Plan.

EPA intends to announce the LCRI prior to October 16, 2024.

Focus Areas for the Proposed Rulemaking

- Replacing all Lead Service Lines. Replacing all lead service lines is an important public health goal. EPA intends to propose requirements that, along with other actions, would replace all lead service lines as quickly as feasible. EPA's proposal will fully consider the agency's statutory authority and required analyses, including an economic analysis.
- Compliance Tap Sampling. EPA intends to assess data to consider opportunities to strengthen compliance tap sampling requirements. Robust tap sampling methods are essential to identifying locations with elevated lead, whether the source of the lead is a lead service line or leaded plumbing materials within a residence.
- Action and Trigger Levels. For the proposed rule, the agency plans to explore options to reduce the complexity and confusion associated with these levels with a focus on reducing health risks in more communities. The agency will also evaluate whether the

trigger level requirements of the LCRR are still necessary with a proactive lead service line replacement and more protective action level.

- Prioritizing Historically Underserved Communities. EPA intends to explore how to replace lead service lines in a manner that prioritizes underserved communities. EPA will evaluate options to prioritize the removal of lead service lines in communities disproportionately impacted by lead in drinking water. The goal of these potential lead service line replacement regulatory improvements—coupled with non-regulatory actions—is to more equitably protect public health

The LCRI has various changes aimed to improve public health protection and simplify the 2021 LCRR. Key components of the LCRI include:

- Mandatory 100% lead service line replacement within 10 years or less
- Lowering the lead action level from 15 parts per billion (ppb) to 10 ppb
- Removing the lead trigger level
- Updates to tap sampling procedures
- Updates to public notification requirements for multiple exceedances
- Updates to compliance deadlines

[https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/leadandcopperrule.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/leadandcopperrule.html)

### **FYI on Clean Fleet Mandate: Webinar January 17**

The California Air Resources Board (CARB) is scheduled to conduct an Advanced Clean Fleets – State and Local Government Agency Fleet Training Webinar January 17 from 9:00 am until 11:00 am. The webinar will accommodate up to 1,000 participants. Early registration is recommended to secure a place.

[https://us06web.zoom.us/webinar/register/1317023296803/WN\\_lg-jI6u8SWq4xMbA374gw?utm\\_medium=email&utm\\_source=govdelivery#/registration](https://us06web.zoom.us/webinar/register/1317023296803/WN_lg-jI6u8SWq4xMbA374gw?utm_medium=email&utm_source=govdelivery#/registration)

recording available: [https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets?utm\\_medium=email&utm\\_source=govdelivery](https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets?utm_medium=email&utm_source=govdelivery)

### **California Special Districts (CSDA) News**

<https://csda.informz.net/informzdataservice/onlineversion/ind/bWFpbGluZ2luc3RhbmNlaWQ9OTZMTYwNyZzdWJzY3JpYmVyaWQ9OTM3ODU3NTI0>



**ORIGINATING SECTION:** Administration

**CONTACT:** Valerie Pryor

**AGENDA DATE:** January 17, 2024

**SUBJECT:** General Manager's Report

**SUMMARY:**

The following highlights a few of the key activities which occurred last month. Also attached is a list of the General Manager (GM) contracts executed during December.

Engineering and Water Quality:

On December 19, 2023, the State Water Board adopted the nation's most comprehensive water reuse regulations for direct potable reuse (DPR). California is now the second U.S. state, after Colorado, to allow purified wastewater to be returned directly to the drinking water system. The regulations are yet to be accepted by California's Office of Administrative, which may happen as early as the spring of 2024 or as late as the fall of 2024. Utilities can implement direct potable reuse once the regulations are accepted.

**Stoneridge Well PFAS Treatment Facility Project:** The well and treatment system continue to operate several days each week. Contractor continues with remaining work, which includes new electrical building construction, booster pump installation, and electrical gear installation. Final Completion is anticipated for spring 2024.

**Chain of Lakes Wells PFAS Treatment Facility Project:** Contractor drilled all test piles and received favorable results from the pile testing. Subsequently, Contractor completed drilling the 34 contract piles in early January and has demobilized for that stage of the work. Concrete foundation work for the treatment system vessel pad will begin towards the end of January. The project is anticipated to be complete in fall 2024.

**Design Services for Repair Damages of Flood Protection Facilities:** Staff continue to work with federal and State agencies for funding assistance. Staff is also in the process of procuring a consulting team for engineering and permitting assistance to prepare plans and specifications and environmental permitting for Phase 1 project to repair damages to Zone 7 flood protection facilities. The Phase I project will include 40-50 medium to high priority sites.

## Integrated Water Resources:

DWR recently released the attached "The Economy Of The State Water Project" which explains that the State Water Project (SWP) drives California's economy and if the SWP's service area was its own nation, it would rank as the eighth largest economy in the world. The report further discusses that the SWP supplies water to 27 million people and 750,000 acres of irrigated farmland. This water supply supports an economy that provides 8.7 million full-time jobs, contains 800,000 businesses, and employs 160,000 farmworkers. The agricultural land irrigated by the SWP water produces \$19 billion in crops and agricultural products every year.

**Delta Conveyance Project:** On December 21, DWR approved the Delta Conveyance Project, a modernization of the infrastructure system that delivers water to millions of Californians. DWR has certified the [Environmental Impact Report](#) (EIR) and completed an extensive environmental review. DWR selected the "[Bethany Reservoir Alignment](#)" for further engineering, design and permitting. Permitting is expected to be completed in 2026.

The Delta Conveyance Project would modernize the state's water infrastructure to:

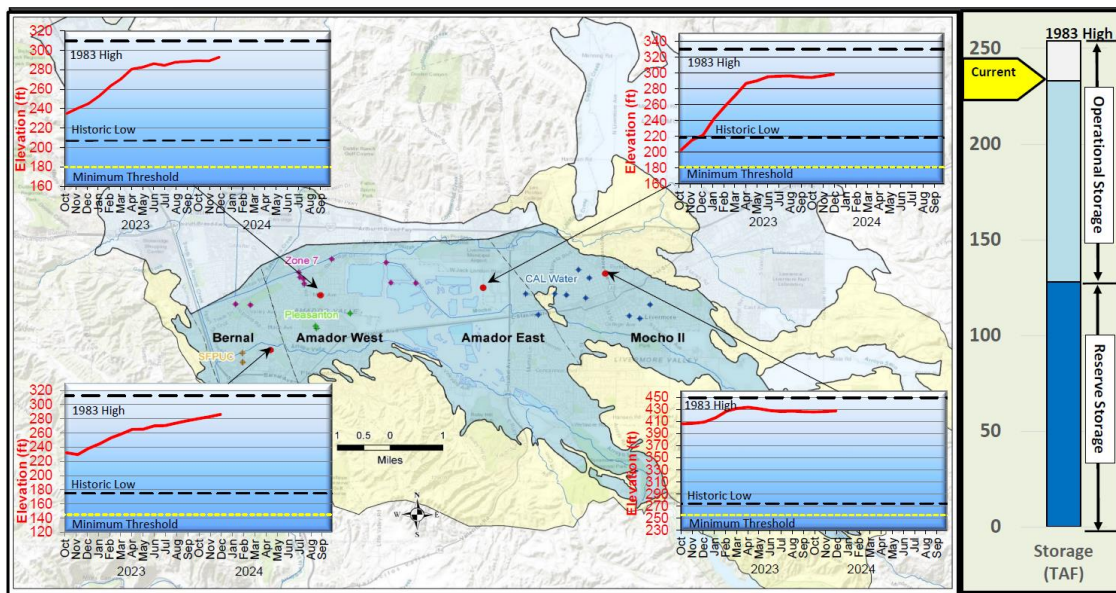
- Capture and move more water during wet seasons to better endure dry seasons;
- Minimize future losses from climate-driven weather extremes;
- Protect against earthquakes disrupting water supplies;
- Continue meeting regulatory water quality and fishery requirements, and add new operating rules for further fishery protections;
- Includes a Community Benefits Program to ensure local communities get the means and resources to achieve tangible and lasting benefits.

**2024 Water Operations Plan:** Staff is developing the 2024 water operations plan for a variety of water supply scenarios. Based on current conditions, Zone 7 projects to carry over approximately 5,000 AF in Lake Del Valle and up to 32,800 in San Luis Reservoir. For 2023, groundwater recharge was 8,850 acre-feet.

December's treated water supply comprised 97% surface water and 3% groundwater. Staff continues to track the demand conditions, and in December 2023, Zone 7's overall water demands were 11% lower than at the same time in 2020: treated water production was 10% lower, and estimated untreated deliveries were 29% lower.

**Well Drilling and Soil Boring Permits Program:** In 2023, Zone 7 issued 134 drilling permits and inspected nearly 80 wells. The well-permitting program is slated for periodic review and refinement in 2024 to continue compliance with the governor's executive orders on well permitting.

Staff completed December monthly groundwater level measurements. Water levels across the basin are on the rise.



**Water Supply and Reliability Projects:** Zone 7 is currently actively pursuing water supply and reliability projects. Key activities are as follows:

**Water Supply and Reliability Projects:** Zone 7 is currently actively pursuing water supply and reliability projects. Key activities are as follows:

- **Los Vaqueros Reservoir Expansion (LVE).** The Los Vaqueros Reservoir Joint Powers Authority (JPA) has developed a new project schedule that includes additional time for continued negotiations and development of key project agreements. The new schedule indicates that member agency boards will be considering the Service Agreement in late summer 2024. It is anticipated that member agencies will not need to contribute additional funding to cover the schedule delay.
- **Sites Reservoir.** The Authority Board approved the revised Fiscal Year 2024 Budget at the December Sites Reservoir Committee and Authority Board Meeting. The 2024 Budget was revised due to the time extension of the Amendment 3 work period. The project continued to make progress in several key areas, such as engineering, coordination with Reclamation, and public outreach.

#### Operations and Maintenance:

Staff worked on several projects including support work for the Del Valle Water Treatment Plant (DVWTP) Ozonation post-project work, the Patterson Pass Water Treatment Plant (PPWTP) Expansion and Ozonation Project, the Mocho Groundwater Demineralization Plant Concentrate Conditioning project, the Stoneridge PFAS Treatment Facility Project phase 2 and the Chain of Lakes PFAs Treatment Facility Project. Staff is in the process of commissioning the Stoneridge Facility. The Mocho 3 starter was repaired. The DVWTP and PPWTP are undergoing annual winter shutdowns for maintenance and to provide time for training activities.

## Monthly List of GM Contracts

### December 2023

Contracts	Amount	Purpose
Tri-Valley Community Television Foundation	\$40,000	Video Recording and TV Broadcasting of Zone 7 Water Agency's Board Meetings
<b>Total December 2023</b>	<b>\$40,000</b>	





# *THE ECONOMY OF THE STATE WATER PROJECT*

*Clean, Reliable, and Affordable  
Water for California*





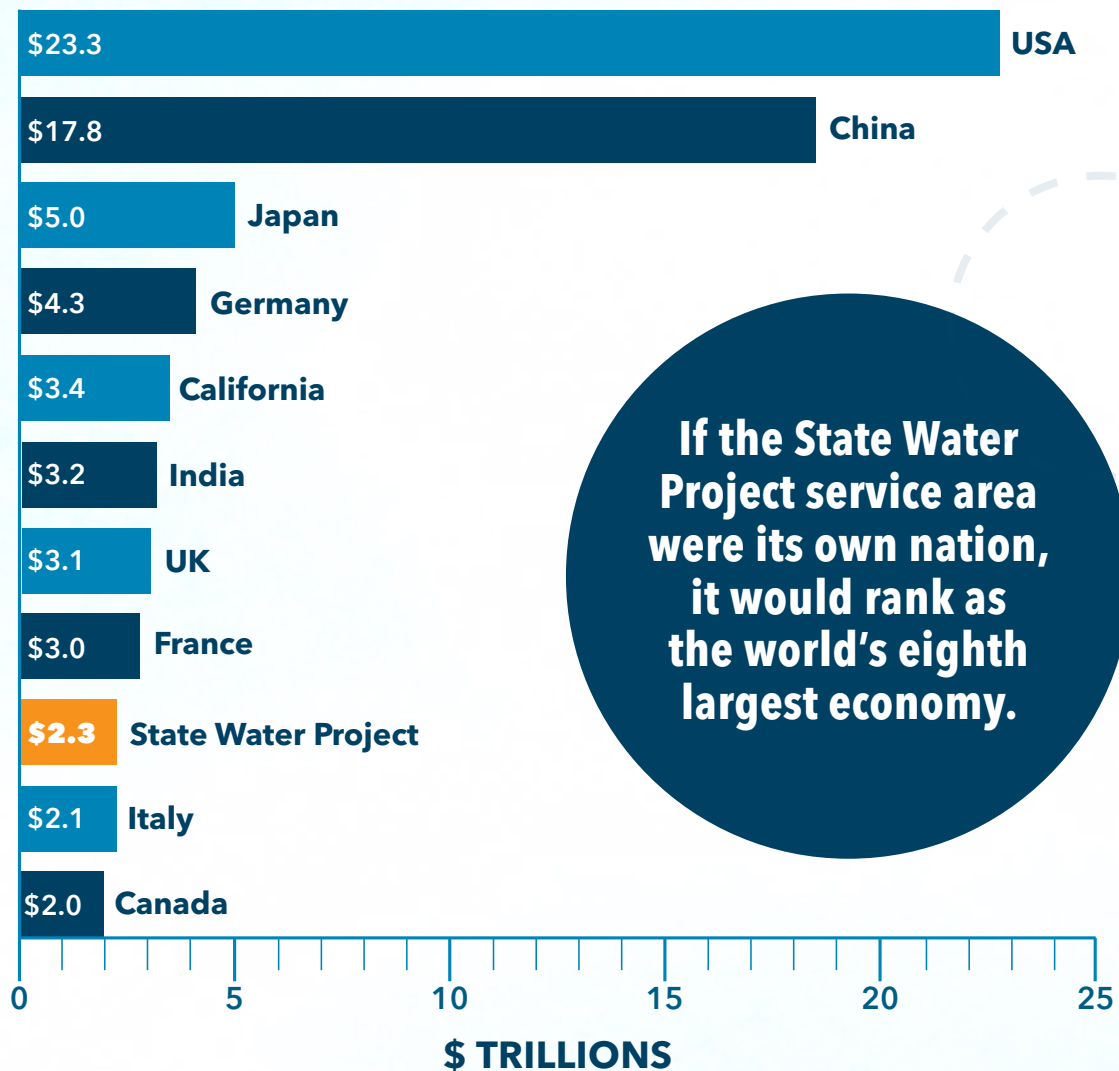
## The California State Water Project

is part of the backbone of California's water infrastructure – a multibenefit project that provides water supply, protects against floods, generates clean hydropower, offers recreational opportunities, provides environmental benefits, and drives California's economy - the fifth largest in the world.

The State Water Project is among the world's largest water management projects, featuring a 705-mile-long network of canals, dams, reservoirs, hydropower plants, and pumping plants that interconnect to supply water to over 27 million residents and irrigate 750,000 acres of farmland.

For the last 60 years the State Water Project's clean, reliable, and affordable water has fueled the growth of California's economy and population. The State Water Project's sustainable supply of water will become even more critical to the state's economy in the face of climate change impacts – according to California's Water Supply Strategy: Adapting to a Hotter, Drier Future, California faces a potential loss of 10% of its water supply by 2040.





**Economy ranking bar chart**

- The service area of the State Water Project is home to over 27 million individuals, over two-thirds of the state's population, and supports an economy with a Gross Domestic Product (GDP) surpassing \$2.3 trillion. Its service area is the largest economy supported by a major water conveyance system anywhere in the United States, and the second largest anywhere in the world. Based on GDP, the State Water Project service area would be the world's eighth largest economy if it were its own nation. This economy supports the full-time employment of over 8.7 million individuals with jobs that pay 20% higher than the national average.
- The regions served by the State Water Project have experienced significant economic and population growth since the project was approved by voters in 1960. Since that time, the population in Southern California has more than doubled, nearly tripled in the Central Coast, South Bay, and North Bay, and more than tripled in the San Joaquin Valley. Property in the State Water Project service area is valued at a total of over \$4.26 trillion.

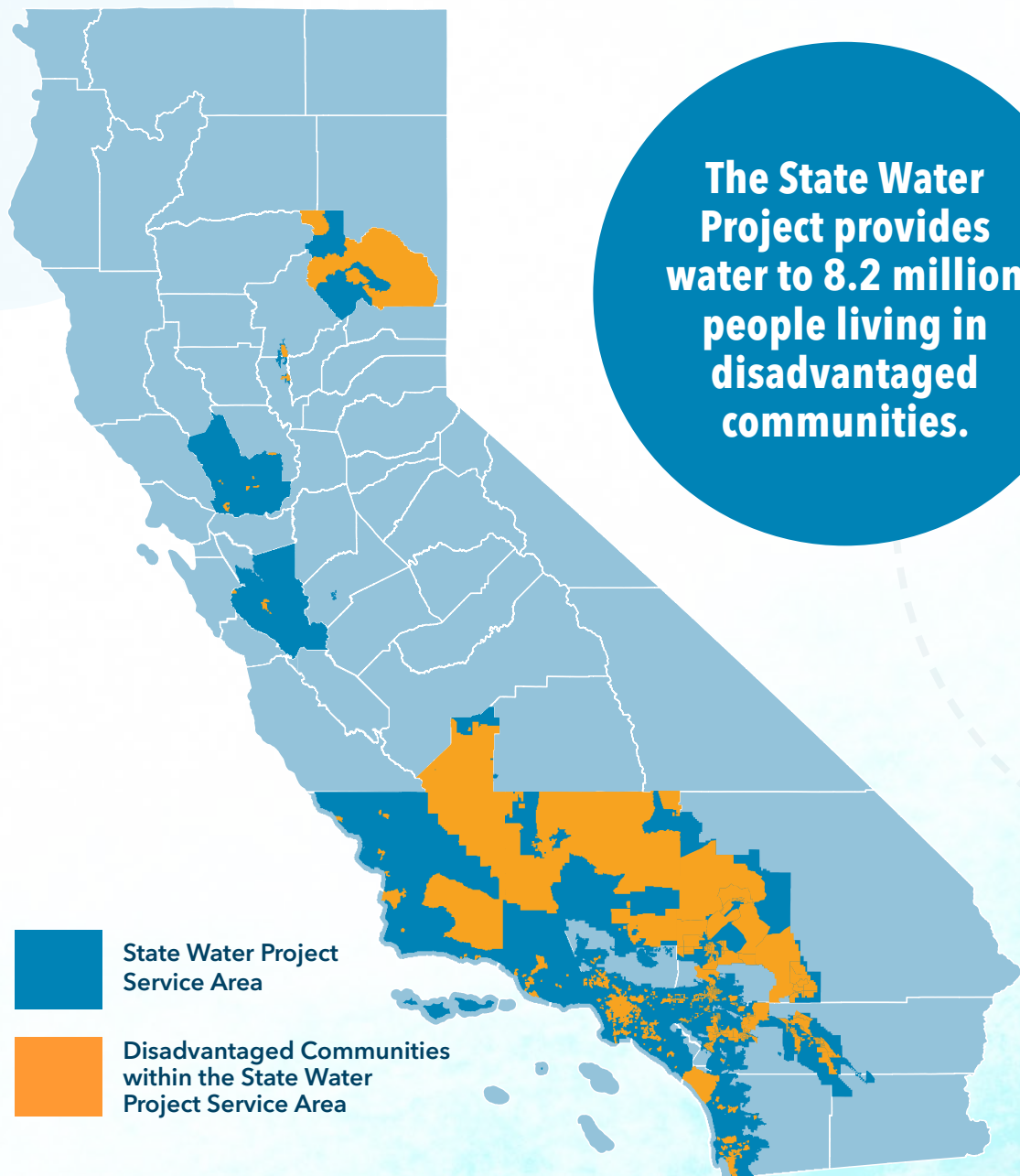


**The State Water Project supports an economy that provides 8.7 million full-time jobs.**



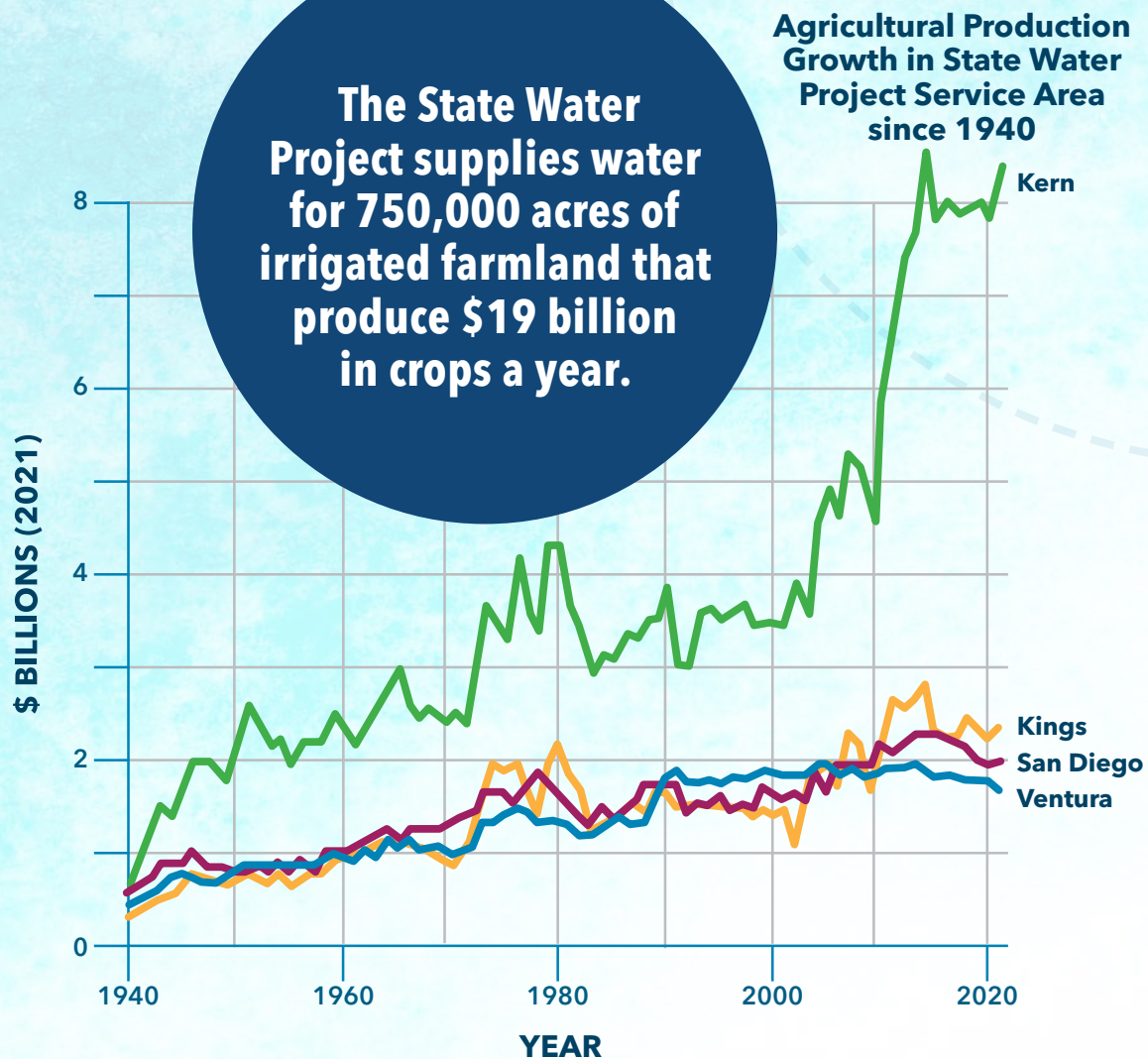
- The State Water Project supports an economy that provides 8.7 million full-time jobs, contains 800,000 businesses, and employs 160,000 farmworkers.
- Median household income has grown in all regions served by the State Water Project since 1960. Household income increased by 25% in rural regions where most State Water Project water goes to agricultural production, including in the Feather River and San Joaquin Valley regions. The State Water Project service area employs around 160,000 farmworkers mainly in these regions.
- The regions where the State Water Project provides water for mainly urban use, including the North Bay and Southern California, saw median household income increases exceeding 50 percent. The Central Coast more than doubled its household income. The South Bay saw the largest growth in median household income at over 150 percent.





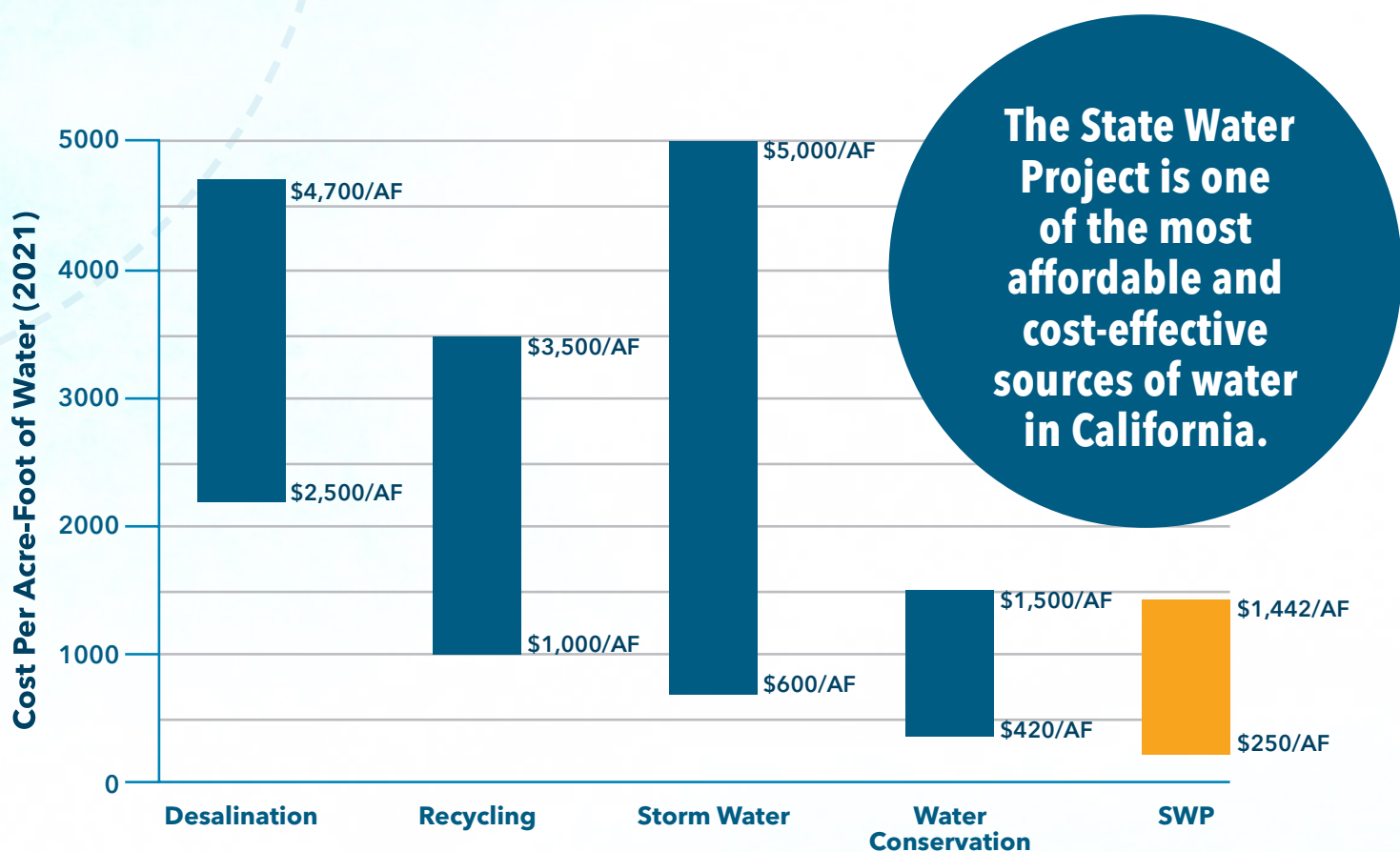
### Map shows disadvantaged communities within State Water Project Service Area

- Water is a fundamental resource, and access to it is essential for various aspects of life, including health, sanitation, and economic opportunities. California law recognizes the human right to water, ensuring safe, clean, affordable, and accessible water for all Californians. Many communities still encounter challenges in securing a safe water supply due to social, economic, health, and environmental factors.
- State Water Project deliveries play a crucial role in upholding access to water for disadvantaged individuals and communities. The State Water Project provides water to almost three-quarters of California's population living in disadvantaged communities. Almost one-third of the individuals living in the State Water Project's service area are residents of a disadvantaged community.



- The State Water Project plays a pivotal role in sustaining California's agricultural economy, and the sector's reliance on State Water Project water is a key driver of economic activity, job creation, and income generation across the state.
- **The total value of agricultural production in regions served by the State Water Project exceeds \$19 billion a year.** Kern, Kings, San Diego, and Ventura Counties receive 93 percent of all agricultural State Water Project deliveries. The value of agricultural production in regions served by the State Water Project has almost doubled since then in Kings, San Diego, and Ventura counties, and has more than tripled in Kern County.
- The State Water Project provides water for a diverse variety of crops and agricultural enterprises, including table grapes, oranges, tangerines, pistachios, almonds, cotton, dairies and cattle ranches in the San Joaquin Valley. In coastal areas such as San Diego and Ventura Counties, the State Water Project supplies water for crops including raspberries, avocados, nursery crops, and vegetables.





### The Cost of Alternatives to the State Water Project

- The State Water Project stands out as one of the most affordable sources of water in California and is more cost-effective compared to alternative sources. The project's commitment to cost-effectiveness has significant implications for the accessibility and affordability of water across the state. The average cost of delivering State Water Project water ranges between \$250 per acre-foot in the San Joaquin Valley, to \$600 per acre-foot in Southern California and as high as \$1,440 per acre-foot on the Central Coast.
- Compared to alternatives like water recycling programs (\$2,200 per acre-foot median cost) and seawater desalination facilities (\$2,800 per acre-foot median cost), the State Water Project is a more economically efficient option. All sources of water remain essential for adapting to a hotter, drier future as outlined in the California Water Supply Strategy.
- While some common water conservation programs – such as installing high efficiency toilets and washers – may have lower costs compared to State Water Project water, their lack of scalability prevents them from replacing a substantial volume of State Water Project water deliveries.



Photos – cover: State Water Project water flows through the Sacramento River towards the Delta; inside cover: Lake Oroville is the largest State Water Project reservoir. above: Lake Perris in Riverside County is the southernmost State Water Project reservoir.

Research conducted by the Berkeley Research Group, a global consulting firm working collaboratively with the California Department of Water Resources.





**ORIGINATING SECTION:** Office of the General Manager  
**CONTACT:** Alexandra Bradley

**AGENDA DATE:** January 17, 2024

**SUBJECT:** December Outreach Activities

**SUMMARY:**

To deliver on the Agency's 2020-2024 Strategic Plan Goal F which strives to engage our stakeholders to foster mutual understanding, staff implements and oversees a multi-faceted outreach and communications program to connect with and engage stakeholders. Through an open and transparent approach, the Agency seeks to deliver effective customer-centric communications, reaching constituents where, when, and how they prefer. Effective communication builds confidence, trust, and awareness among constituents, increases participation to help with effective decision making, and helps strengthen Zone 7's commitment to its mission and vision. This monthly staff report provides timely updates on progress towards meeting the goal of engaging our stakeholders.

**Communications Plan Updates**

**Conservation Outreach:** Staff continues to collaborate with the retailers focusing on rebate promotion and educating customers on best practices for creating long-term habits of water conservation around the home and garden. Staff targeted outreach on the High Efficiency Washer and Smart Irrigation Controller Rebates in December, encouraging customers to take advantage of both rebates and the sale prices during the holiday sales. Both rebate programs saw an uptick of visits on the website due to the targeted outreach.

**Zone 7 Little Free Library:** Staff celebrated the holiday season by stocking the library with 15 brand new books for children and adults to help them appreciate the value of water and find ways to save water in their own homes. A special announcement was posted on the Facebook page.

**Outreach Program Updates**

**Schools' Program:** In December, 20 classes were taught, and 61 classes have been scheduled for January. Through the Water Academy teacher incentive program 23 teachers have received a \$5 gift card for their participation. Staff will be reviewing the year-to-date results of the new Water Academy campaign and create targeted messaging to increase signups for the remainder of the school year as needed in January. Thus far the new campaign has increased participation rates in the school program.

## **In-Person Events:**

Breakfast with Santa, Shannon Community Center, Dublin, Saturday, December 2, 8:30am-12:00pm. To reach as many Dublin residents as possible, Zone 7 had a booth at Dublin's annual Breakfast with Santa, a new event that was added last year. Over 194 kids and family members stopped by the booth to play games and interact. Many were excited to see "teacher Jenevieve" who is also a teacher in our Water Academy program.

Pleasanton Farmers' Market, Saturday, December 9, 9:00am-1:00pm. Zone 7 greeted nearly 150 holiday shoppers at a booth with the game Plinko, designed to encourage discussions about ways to save water in and out of the house, and handouts including rebates and timely giveaways.

Croce Elementary School Family Science Night, Croce Elementary School, Livermore, Thursday, January 18, 6:00pm – 7:30pm. Zone 7 has been asked to participate in this newly imagined family science night. We look forward to engaging with Croce students and their family members.

Dublin Elementary School Family Science Night, Dublin Elementary School, Dublin, Thursday, January 25, from 5:00pm – 8:00pm. Zone 7 has been asked to participate in this newly imagined family science night. We look forward to engaging with Dublin Elementary school students and their family members.

Livermore Science Odyssey, Thursday, February 8, 4:30pm - 7:30pm. Junction Avenue K-8 School. Once again, Zone 7 has been invited to join Livermore students and their families in participating in this district-wide science fair with a hands-on booth.

Granada High School Career Fair, Granada High School, Livermore, Wednesday, February 28, 2024, 8:30am-12:30pm. Zone 7 has been invited to host a booth with information about water industry-based jobs. Students will be invited to play a game that teaches the types of careers available at Zone 7 and the educational paths needed to achieve them. Two Zone 7 Water Operators will be on hand to share water samples and explain analysis equipment.

SF Flower and Garden Show, Thursday, April 4 through Sunday, April 7 at the Alameda County Fair Grounds. Zone 7 will partner with Alameda County Clean Water Program to host a table at this annual event in its new location. Our booth will feature drought friendly native plants and information about waterwise gardening in our area.

Ag & Enviro Adventure Day, Livermore High School, Tuesday, April 23, 8:00am-3:00pm. Zone 7 will participate in this organized event for Livermore third graders with an interactive movement-based activity which highlights our watershed and its connection with the community.

Please visit [www.zone7water.com/calendar](http://www.zone7water.com/calendar) for the most up to date schedule of public events.

## **ATTACHMENTS:**

Monthly Analytics Dashboard  
Annual Report Quarterly and Annual Dashboard Reports

## Highlights:

Total users  
**3,020**  
↓ -21.7%

Views  
**8,562**  
↓ -21.1%

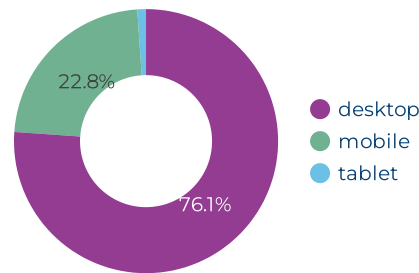
New users  
**2,763**  
↓ -22.2%

Engagement rate  
**58.27%**  
↑ 2.7%

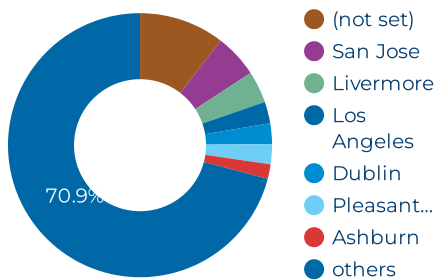
Sessions  
**4.5K**  
↓ -21.2%

User engagement  
**60:27:14**  
↓ -24.0%

## Device Type:



## Users by City



## Most visited pages on the website - users and pageviews

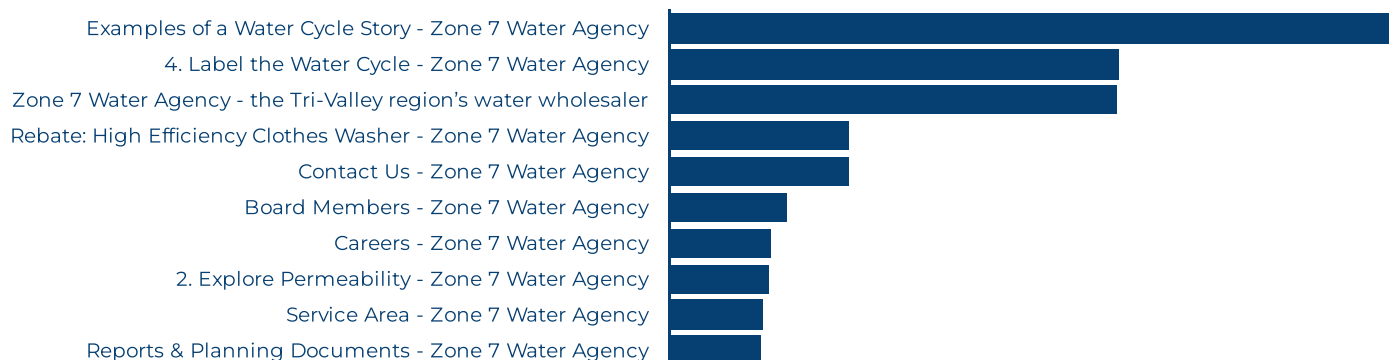
	Page title	Views	Total users
1.	Zone 7 Water Agency - the Tri-Valley region's water wholesaler	1,591	771
2.	Examples of a Water Cycle Story - Zone 7 Water Agency	635	466
3.	4. Label the Water Cycle - Zone 7 Water Agency	384	332
4.	Careers - Zone 7 Water Agency	327	215
5.	Board Meetings - Zone 7 Water Agency	252	124
6.	Construction & Business Opportunities - Zone 7 Water Agency	235	107
7.	Rebate: High Efficiency Clothes Washer - Zone 7 Water Agency	213	129
8.	Contact Us - Zone 7 Water	210	112

## Acquisition source/medium - where traffic sessions come from

	Session source	Session medium	Sessions
1.	google	organic	2,509
2.	(direct)	(none)	1,246
3.	bing	organic	153
4.	m.facebook.com	referral	114
5.	cityofpleasantonca.gov	referral	70
6.	dsrsd.com	referral	60
7.	us2.admin.mailchimp.com	referral	56
8.	lowes.com	referral	26
9.	homedepot.com	referral	22

1 - 69 / 69

## Pages with the most time spent by users



## Facebook Snapshot Analytics

Total Posts

21

Engagement

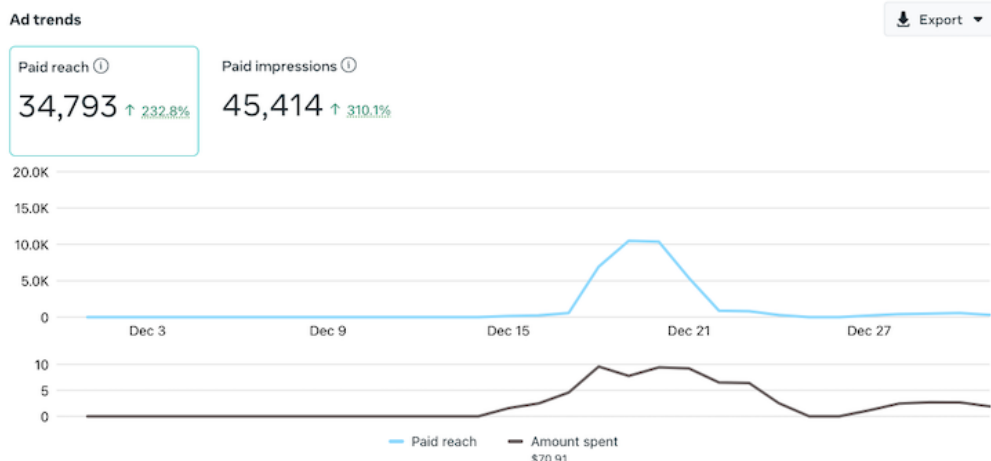
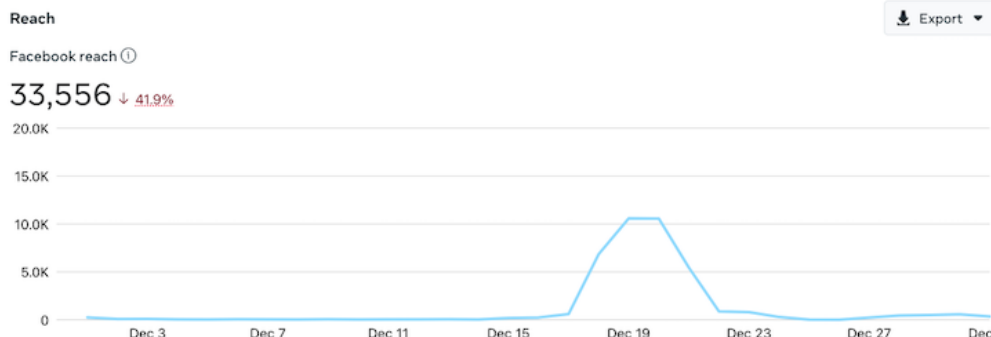
66

Clicks

244

Page Followers

1,023



## Mailchimp Delivery Analytics

Total Eblasts Sent

1

Total Deliveries

938

Avg. Open Rate %

43%

Total Clicks

148

## Monthly YouTube Performance

Total Views

762


Total Watch Time

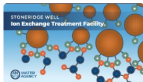
12.5 hrs


Impressions


10,121


### Top Five Videos of Month

- 

Wondrous World of Water - Ozone Treatme...  
Sep 2, 2020
- 

Wondrous World of Water - Ion Exchange ...  
Aug 3, 2023
- 

Pack an Emergency Kit - Flood Ready Fred...  
Oct 15, 2020
- 

DWR Big Check Ceremony - Stoneridge We...  
Nov 21, 2023
- 

Wondrous World of Water - Del Valle Ozon...  
Aug 31, 2020



## Insights & Opportunities

### WEBSITE

- In December, we once again noted a 21% decrease in total website traffic (session count), mainly influenced by the holiday season, school breaks, and the absence of noteworthy campaigns or events generating active traffic. Interestingly, there was notable activity on various rebate pages, most likely attributed to social media posts.
- Despite the noticeable decline in website traffic across all sections, a more substantial drop was specifically observed in the Home Page and Water Academy sections. Nevertheless, we expect a revival in traffic for all these sections in the upcoming new year.

### SOCIAL MEDIA

- The holidays also impacted social media with fewer posts and no active campaigns, we saw less traffic and less impressions for both Facebook and YouTube.
- The Tri-Valley campaign was paused for the season and will reconvene in the spring with a shift into phase two focusing more on. challenges and solution.
- The pause in active campaigns impacted video views on YouTube, however, allowed us to see that organically the top viewed videos on YouTube include three Wondrous World of Water videos, the ozone treatment video, the new ion exchange video, and the Del Valle opening video, as well as the DWR check ceremony for Stoneridge and a Flood Ready Freddy video.

### DIRECT MAIL

- The Latest from Zone 7 newsletter is now on a bi-monthly schedule. The next issue will announce the annual report, which should prompt engagement.

## Highlights:

Total users

96

↑ 26.3%

Views

589

↑ 176.5%

New users

92

↑ 35.3%

Engaged sessions

119

↑ 128.8%

Sessions

220

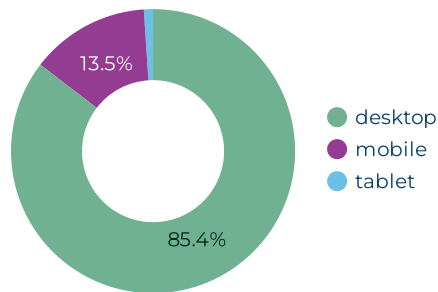
↑ 103.7%

User engagement

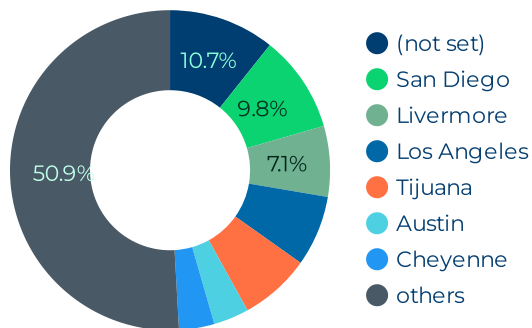
02:38:07

↑ 65.2%

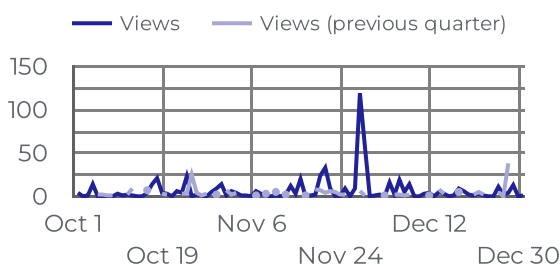
## Total Users and Device



## Users by City



## Traffic compared to last quarter



## Most visited pages on the website - users and pageviews

	Page title	Total users ▾	Views
1.	Zone 7 Annual Report 2021-2022	76	152
2.	Zone 7 Water Agency - Annual Report 2021 — Zone 7 Annual Report 2021-2022	14	45
3.	Financial Update (2022) — Zone 7 Annual Report 2021-2022	14	19
4.	Groundwater (2022) — Zone 7 Annual Report 2021-2022	13	19
5.	Zone 7 Water Agency - Annual Report Archive — Zone 7 Annual Report 2021-2022	12	33
6.	Zone 7 At a Glance (2022) — Zone 7 Annual Report 2021-2022	11	25
7.	Water Reliability (2022) — Zone 7 Annual Report 2021-2022	11	17
8.	Water Quality (2022) — Zone 7 Annual Report 2021-2022	10	11
9.	Zone 7 At a Glance — Zone 7 Annual Report 2021-2022	9	41
10.	Flood Protection (2022) — Zone 7 Annual Report 2021-2022	8	12

## Acquisition source/medium - where traffic sessions come from

	Session source	Sessions
1.	(direct)	128
2.	revekkab2.sg-host.com	46
3.	google	35
4.	zone7water.com	5
5.	baidu	2
6.	id.search.yahoo.com	2
7.	(not set)	1
8.	bing	1
9.	duckduckgo	1

1 - 9 / 9

## Pages with the most time spent by users

	Page title ▾	User eng...
1.	Zone 7 Water Agency - Annual Report Archive — Zone 7 Annual Report ...	00:01:28
2.	Zone 7 Water Agency - Annual Report 2021 — Zone 7 Annual Report 202...	00:15:29
3.	Zone 7 At a Glance — Zone 7 Annual Report 2021-2022	00:10:12
4.	Zone 7 At a Glance (2022) — Zone 7 Annual Report 2021-2022	00:04:31
5.	Zone 7 Annual Report 2021-2022	00:13:58

1 - 34 / 34

## Insights & Opportunities

### Insights on traffic

In the first quarter of this year, from the date of launch to March 31, we show:

- 333 total users throughout quarter
- 3365 individual page views
- 646 user sessions
- 389 engaged sessions

In the second quarter of this year, from April 1 to June 30th, we show:

- 218 total users throughout quarter
- 381 individual page views
- 251 user sessions
- 70 engaged sessions

In the 3rd quarter of this year, from July 1 to September 30th, we show:

- 76 total users throughout quarter
- 213 individual page views
- 108 user sessions
- 52 engaged sessions

In the 4th quarter of this year from October 1st to December 31st, we show:

- 96 total users throughout the quarter
- 589 individual page views
- 220 user sessions
- 119 engaged sessions

The comparison data for each stat on the Highlights section of the dashboard (small numbers below each large metric) is showing qtr-over-qtr decreases in every category which is to be expected as we move farther from release date. However, our annual performance is still increasing.

For comparison purposes, all of 2022 traffic combined showed:

- 440 total users throughout the year
- 1,525 individual page views
- 619 user sessions
- 297 engaged sessions

Our performance in terms of reach and engagement has surpassed that of last year's annual report. by more than double in the first three quarters. The launch of the annual report was highly successful, and we are currently still in a maintenance phase, which will further enhance our reach over the next quarter, though we anticipate numbers will continue to decrease as it is the end of the year.

### Opportunities to increase engagement

- We will continue promoting the annual report via multiple channels, including specific social media posts on multiple platforms to drive traffic to the site.

## Highlights:

Total users

**706**

↑ 60.5%

Views

**4,548**

↑ 198.2%

New users

**689**

↑ 58.0%

Engaged sessions

**631**

↑ 112.5%

Sessions

**1K**

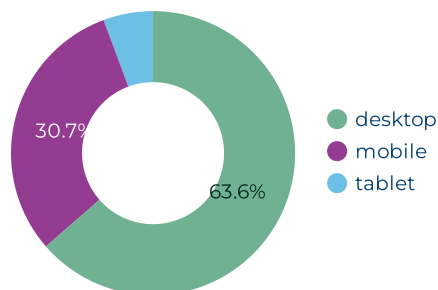
↑ 98.5%

User engagement

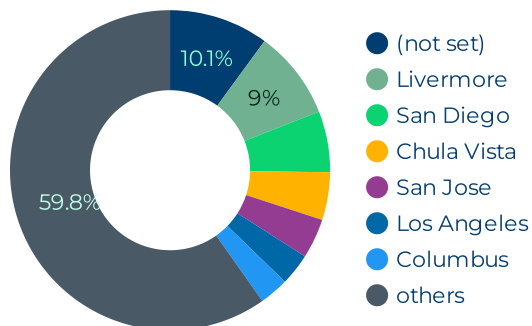
**27:54:56**

↑ 252.3%

## Total Users and Device

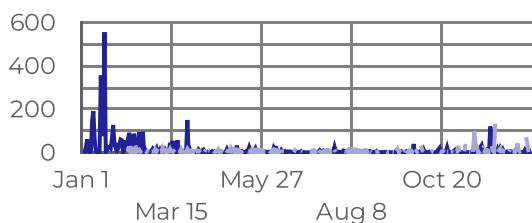


## Users by City



## Traffic compared to last quarter

Views Views (previous 365 days)



## Most visited pages on the website - users and pageviews

	Page title	Total users ▾	Views
1.	Zone 7 Annual Report 2021-2022	418	784
2.	Water Reliability (2022) — Zone 7 Annual Report 2021-2022	128	168
3.	Zone 7 At a Glance (2022) — Zone 7 Annual Report 2021-2022	101	257
4.	Water Quality (2022) — Zone 7 Annual Report 2021-2022	96	168
5.	Flood Protection (2022) — Zone 7 Annual Report 2021-2022	74	114
6.	President's Message (2022) — Zone 7 Annual Report 2021-2022	67	113
7.	Groundwater (2022) — Zone 7 Annual Report 2021-2022	58	87
8.	Financial Update (2022) — Zone 7 Annual Report 2021-2022	53	87
9.	Zone 7 Annual Report 2020-2021	49	195
10.	Strategic Goals Update (2022) — Zone 7 Annual Report 2021-2022	48	77

## Acquisition source/medium - where traffic sessions come from

	Session source	Sessions
1.	(direct)	616
2.	zone7water.com	141
3.	google	104
4.	FB	96
5.	bugherd.com	60
6.	revekkab2.sg-host.com	51
7.	m.facebook.com	32
8.	baidu	23
9.	facebook.com	16
10.	zone7waterreport.squarespace.com	14

1 - 25 / 25 &lt; &gt;

## Pages with the most time spent by users

	Page title ▾	User eng...
1.	testing — Zone 7 Annual Report 2020-2021	00:30:04
2.	Zone 7 Water Agency - Annual Report — Zone 7 Annual Report 2020-20...	00:04:51
3.	Zone 7 Water Agency - Annual Report Archive — Zone 7 Annual Report ...	00:11:19
4.	Zone 7 Water Agency - Annual Report Archive — Zone 7 Annual Report ...	00:01:50
5.	Zone 7 Water Agency - Annual Report 2021 — Zone 7 Annual Report 202...	00:20:56

1 - 79 / 79 &lt; &gt;

**Insights & Opportunities****Insights on traffic**

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- 96 total users throughout the quarter
- 589 individual page views
- 220 user sessions
- 119 engaged sessions

**Total Year 2023**

- 706 total users
- 4548 Individual page views
- 1k user sessions
- 631 engaged sessions

The comparison data for each stat on the Highlights section of the dashboard (small numbers below each large metric) is showing qtr-over-qtr decreases in every category which is to be expected as we move farther from release date. However, our annual performance is still increasing.

For comparison purposes, all of 2022 traffic combined showed:

- 440 total users throughout the year
- 1,525 individual page views
- 619 user sessions
- 297 engaged sessions

Our performance in terms of reach and engagement has surpassed that of last year's annual report by more than double in the first three quarters. The launch of the annual report was highly successful. The final full year vs year was:

- +60.45% total users
- +198.22% Individual page views
- +61.55% user sessions

**ORIGINATING SECTION:** Integrated Planning

**CONTACT:** Sal Segura/Ken Minn

**AGENDA DATE:** January 17, 2024

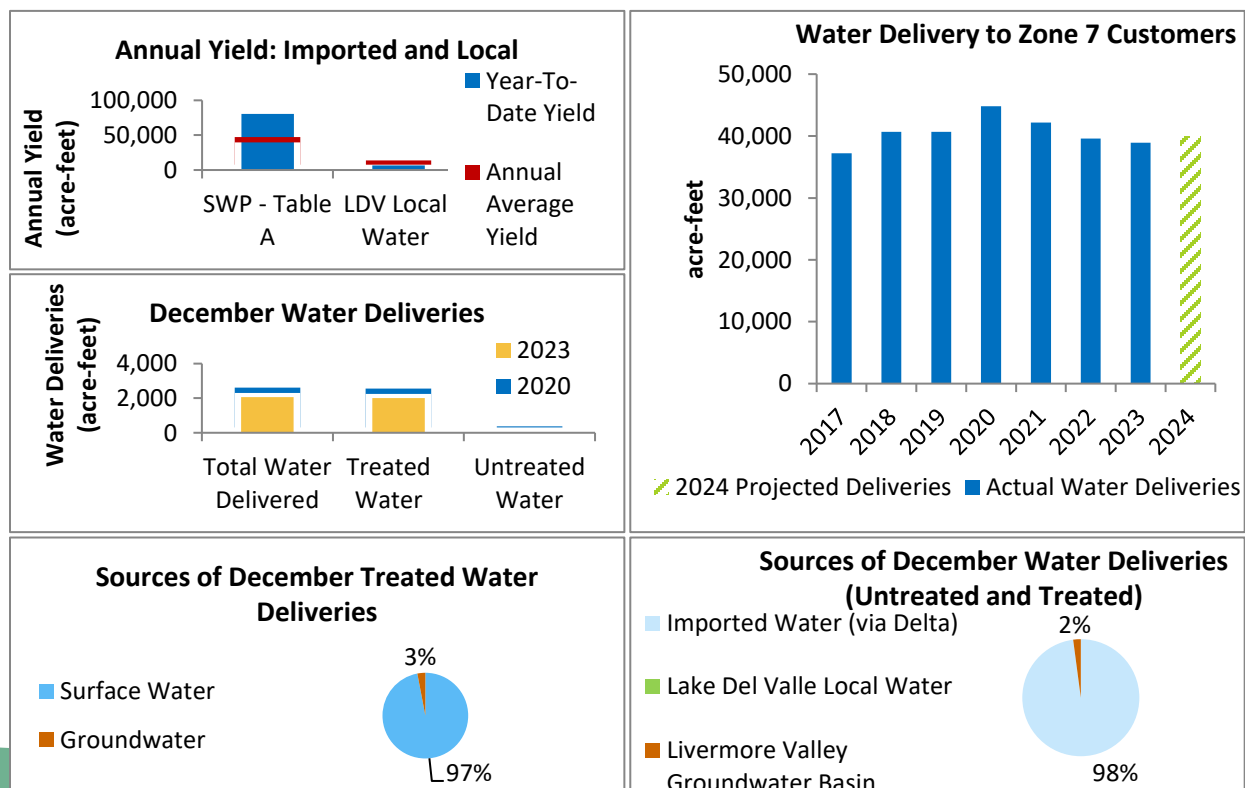
**SUBJECT:** 2023 Water Inventory and Water Budget Update

**SUMMARY:**

To support Zone 7's mission and Strategic Plan Goal A – Reliable Water Supply and Infrastructure; this report summarizes the 2023 year-end water supply, usage, and storage conditions.

An overall analysis of the annual water supply was completed in April 2023 as part of the Annual Review of Sustainable Water Supply. Long-term water supply planning is also summarized in the Urban Water Management Plan, which is updated every five years and assesses water supply reliability on a 20-year time horizon. The plans and evaluations consider the various sources of supply and storage available to Zone 7 locally, in State Water Project facilities, and in Kern County storage and recovery programs.

**Summaries of 2023 Water Supplies, Deliveries, and Available Water  
(December 2023)**



## ZONE 7 WATER INVENTORY AND WATER BUDGET (DECEMBER 2023)

### Supply and Demand (See Table 1, Table , Figure 1, Figure 2, Figure 3, and Figure 4)

- Monthly totals: 2,860 acre-feet (AF) delivered to customers (2,010 AF treated production and 50 AF estimated untreated deliveries) and 800 AF to recharge.
- Total treated water production decreased by 16% compared to last month.
- Treated water sources were 97% surface water and 3% groundwater this month.
  - Treatment plant production was 20.5 MGD.
  - Wellfield production was 0.6 MGD.

### Comparison of Demands: 2023 vs 2020 baseline (See Table 1)

- In December 2023, Zone 7's overall water demands were 11% lower compared to the same time in 2020: treated water production was 10% lower, and estimated untreated deliveries were 29% lower.

**Table 1: December 2023 comparison - water demand and conservation**

	<b>Treated Production</b>	<b>Untreated Delivery</b>	<b>Total</b>
<b>December 2023 (AF)</b>	2,010	50	2,060
<b>December 2020 (AF)</b>	2,240	70	2,310
<b>December Conservation (2023 vs 2020)</b>	10%	29%	11%

### Imported Water (See Table 2, Table 3, and Table 4)

- The 2023 Final State Water Project allocation was 100%, which amounted to a Table A allocation of 80,619 AF for Zone 7.
- On December 1, the Department of Water Resources announced an initial State Water Project allocation of 10% for 2024. The allocation is subject to revision as the water year progresses.

**Table 2: 2023 Water Supply Highlights**

<b>Source</b>	<b>Acre-Feet</b>
Table A Delivered (including to Kern bank)	47,820
Article 21 Water Received	2,360
Lake Del Valle Yield	7,000
Estimated Artificial Recharge	8,850
Livermore Valley Groundwater Basin Gain (Increase in Storage)	17,700
Kern Storage and Recovery Programs (Water Banked)	10,000
Groundwater Pumped (by Zone 7)	1,670
Treated Water Production	34,060
Untreated Deliveries	4,880

**Table 3: Available Water Supplies for 2024 (as of January 1, 2024)**

<b>Source</b>	<b>Acre-Feet</b>
Table A (Based on 10% initial allocation)	8060
Water Transfers/ Exchanges	0
SWP Carryover (Preliminary Estimate)	32,800*
Lake Del Valle Carryover	5,000
Livermore Valley Groundwater Basin (Operational Storage AF/% Full)	104,660/ 83%
Kern Storage and Recovery Programs	95,600
<b>Total</b>	<b>246,120</b>

\* This amount will be reduced to account for the water transfer amount when complete

<b>Groundwater</b>	<i>(See Table 4 and Figure 5)</i>
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- Zone 7 wellfield pumping was 60 AF, making up 3% of the treated supply.
- Groundwater basin overflow on the west side of the Livermore Valley Groundwater Basin was estimated at 0 AF.
- The Livermore Valley Groundwater Basin comprises four subbasins, and it has a combined operational storage capacity of approximately 126,000 AF, which sits above the Minimum Thresholds established in the Alternative Groundwater Sustainability Plan. Currently, the operational storage is at approximately 83% of capacity (104,700 AF out of 126,000 AF).
  - The Livermore Valley Groundwater Basin is estimated to have a maximum storage capacity of 254,000 AF, which includes areas below the Minimum Thresholds.
  - It is important to note that all of the operational storage is accessible with Zone 7's existing wells as the groundwater production facilities can only access certain subbasins and 80% of Zone 7's groundwater facilities are in the Amador West subbasin. Furthermore, the presence of Per- and polyfluoroalkyl substances (PFAS) compounds in the groundwater basin limits the use of certain wells.
  - In 2023, Zone 7 released about 8,850 AF into the Arroyos for groundwater recharge.

<b>Local Surface Water</b>	<i>(See Table 4 and Figure 6)</i>
----------------------------	-----------------------------------

- Based on preliminary data, Zone 7's water storage in Lake Del Valle at the end of December is approximately 5,000 AF. This amount will be carried over into 2024.
- For Calendar Year 2023, an accumulated volume of approximately 90,200 Acre Feet was recorded at the USGS streamflow site Arroyo Valle Below Lang Canyon, which is located just upstream of Lake Del Valle. This site captures most of the inflow to Lake Del Valle.
  - In 2023, DWR made approximately 69,100 AF of Flood Control Releases from the Lake.
- Through December 31, 2023, Lake Del Valle has accumulated 300 Acre-Feet in Water Year 2024 which starts from October 1, 2023. This represents approximately 64% of the median inflow to date.
  - Note: Not all Lake Del Valle inflow is available for Zone 7's use.



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**Stream Outflow** *(See Table 4)*

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- Surface runoff intermittently exceeded the 10 cubic feet per second (CFS) baseflow at the Arroyo de la Laguna at the Verona stream gauge resulting in a stream outflow of 2,860 AF for the month of December.

Note: some surface flows out of the Livermore-Amador Valley are mandated for other downstream purposes.

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**Local Precipitation** *(See Figure 7)*

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- 2.54 inches of precipitation was recorded at the Livermore Airport in December.
- Thus far in Water Year 2024, Livermore has received 3.19 inches of rain, or 64% of the average for Water Year to Date.

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**Sierra Precipitation** *(See Figure 8)*

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- 6.9 inches of precipitation was recorded in the Northern Sierras in December. Historically, the average precipitation in December has been 10 inches.
- Cumulative precipitation in the Northern Sierra for Water Year 2024 is 10.9 inches or 57% of the seasonal average to date.

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**Sierra Snowpack** *(See Figure 9)*

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- Snowpack in the Northern Sierras is 31% of the average for December 29 at 2.7 inches of snow water equivalent.

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**Lake Oroville** *(See Figure 10)*

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- Lake Oroville was at 68% of total capacity (130% of average) as of January 1.
  - Storage: 2,406,291 AF
  - Storage as a percentage of total capacity increased by 2% over the month of December.

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**San Luis Reservoir** *(See Figure 11)*

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- San Luis Reservoir was at 56% capacity (89% of average) as of January 1.
  - Storage: 1,148,394 AF
    - SWP's share of storage is approximately 370,000 AF
  - Storage as a percentage of total capacity remained the same over the month of December.

**NOTE:** Numbers presented are estimated and subject to refinement over the course of the year.

## Table 4: Quarterly Water Inventory

### Water Inventory for Zone 7 Water Agency

Note: Values are rounded. All units in AF unless noted otherwise. Subject to adjustment over the year.

	2022 Jan-Dec	2023 - Q1 Jan-Mar	2023 - Q2 Apr-Jun	2023 - Q3 Jul-Sept	2023 - Q4 Oct-Dec	2023 - YTD Jan-Dec
<b>Source</b>						
<b>Incoming Supplies</b>						
State Water Project (SWP) - Table A	0	0	11,910	22,700	13,210	47,820
State Water Project - Article 21	0	0	2,360	0	0	2,360
Lake Del Valle Local Water	3,790	3,560	750	0	0	4,310
Water Transfers/Exchanges <sup>1</sup>	2,320	0	0	0	0	0
<b>Subtotal</b>	<b>6,110</b>	<b>3,560</b>	<b>15,020</b>	<b>22,700</b>	<b>13,210</b>	<b>54,490</b>
<b>From Storage</b>						
State Water Project - Carryover	6,590	1,630	0	0	0	1,630
Livermore Valley Groundwater Basin	16,830	580	460	320	310	1,670
Kern Storage and Recovery Programs	9,570	0	0	0	0	0
<b>Subtotal</b>	<b>32,990</b>	<b>2,210</b>	<b>460</b>	<b>320</b>	<b>310</b>	<b>3,300</b>
<b>Total Supply</b>	<b>39,100</b>	<b>5,770</b>	<b>15,480</b>	<b>23,020</b>	<b>13,520</b>	<b>57,790</b>
<b>Water Use</b>						
<b>Customer Deliveries</b>						
Treated Water Demand <sup>2</sup>	33,630	5,050	8,960	12,400	7,650	34,060
Untreated Water Demand	5,350	50	1,720	2,420	690	4,880
<b>Subtotal</b>	<b>38,980</b>	<b>5,100</b>	<b>10,680</b>	<b>14,820</b>	<b>8,340</b>	<b>38,940</b>
<b>To Storage</b>						
Livermore Valley Groundwater Basin Recharge	120	60	2,010	2,900	3,880	8,850
Kern Storage and Recovery Programs	0	610	2,790	5,300	1,300	10,000
<b>Subtotal</b>	<b>120</b>	<b>670</b>	<b>4,800</b>	<b>8,200</b>	<b>5,180</b>	<b>18,850</b>
<b>Total Water Use</b>	<b>39,100</b>	<b>5,770</b>	<b>15,480</b>	<b>23,020</b>	<b>13,520</b>	<b>57,790</b>
<b>Available Water Supplies</b>		<b>End-of-Quarter Balances</b>				
<b>Incoming Supplies in 2023</b>						
SWP - Table A (%)	5%	75%	100%	100%	100%	100%
SWP - Table A Remaining	4,000	60,470	68,710	46,010	32,800	32,800
Water Transfers/Exchanges <sup>1</sup>	0	0	0	0	0	0
<b>Subtotal</b>	<b>4,000</b>	<b>60,470</b>	<b>68,710</b>	<b>46,010</b>	<b>32,800</b>	<b>32,800</b>
<b>Storage Balance from 2022</b>						
SWP Carryover + Backed Up Water <sup>3</sup>	6,720	0	0	0	0	0
Lake Del Valle Local Water	2,300	3,300	5,000	5,000	5,000	5,000
Livermore Valley Groundwater Basin <sup>4</sup>	87,000	96,000	101,900	101,900	104,700	104,700
Kern Storage and Recovery Programs	86,570	87,100	89,600	94,400	95,600	95,600
<b>Subtotal</b>	<b>182,590</b>	<b>186,400</b>	<b>196,500</b>	<b>201,300</b>	<b>205,300</b>	<b>205,300</b>
<b>Total Available Water</b>	<b>186,590</b>	<b>246,870</b>	<b>265,210</b>	<b>247,310</b>	<b>238,100</b>	<b>238,100</b>
<b>Watershed Conditions</b>	<b>End-of-2022</b>					
Precipitation at Livermore Station (in)	13.8	15.54	0.43	0.05	3.19	19.21
Lake Del Valle Local Water Net Yield	2,300	4,560	2,450	0	0	7,010
Measured Change in Groundwater Basin Storage	-7,200	9,000	5,900	0	2,800	17,700
Surface Water Outflow <sup>5</sup>	23,530	157,500	5,880	60	3,370	166,810

<sup>1</sup> Yuba Accord, Dry Year Transfer and Mojave transfer supplies were acquired in 2022.

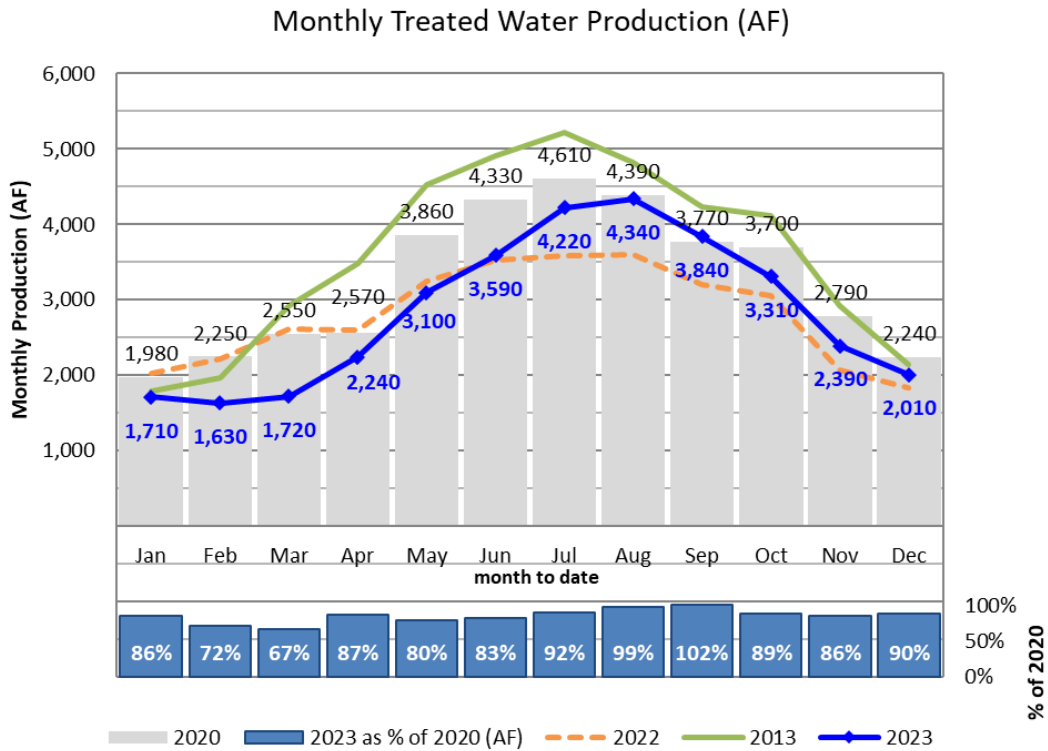
<sup>2</sup> Includes a small amount of unaccounted-for water.

<sup>3</sup> Backed Up Water is recovered water from Kern Storage and Recovery Programs that is moved to San Luis Reservoir for storage.

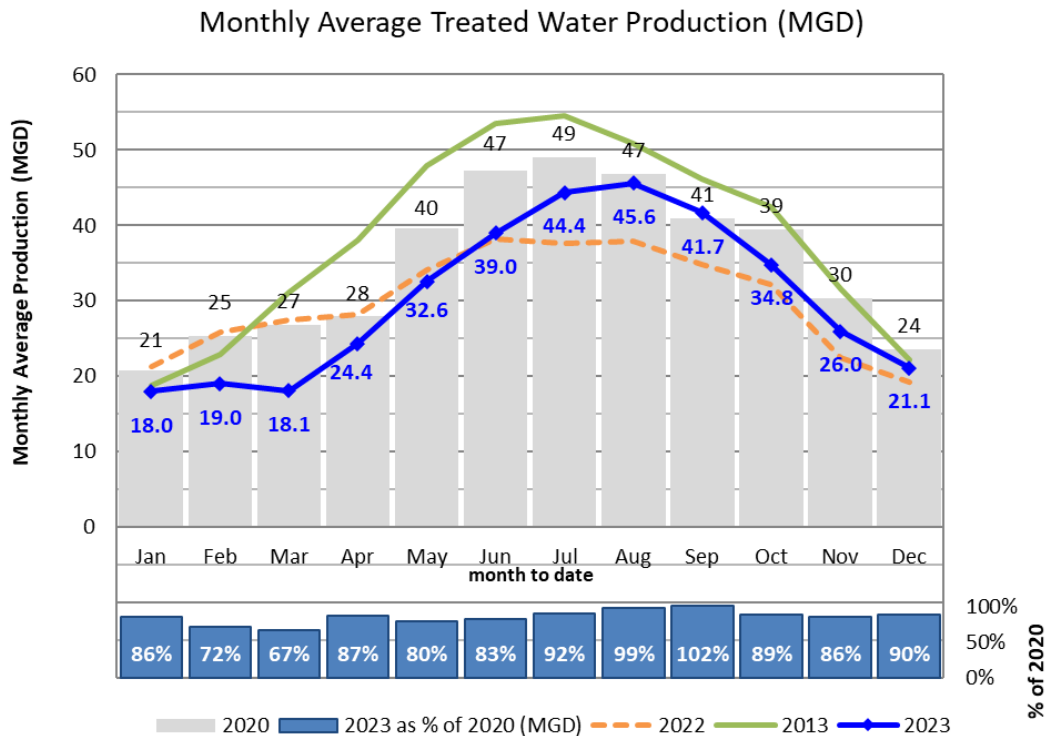
<sup>4</sup> Storage volume is based on most recent groundwater level data; amount shown excludes 128,000 AF of emergency storage.

<sup>5</sup> Surface Water Outflow is estimated based on flow at USGS gage Arroyo De La Laguna at Verona.

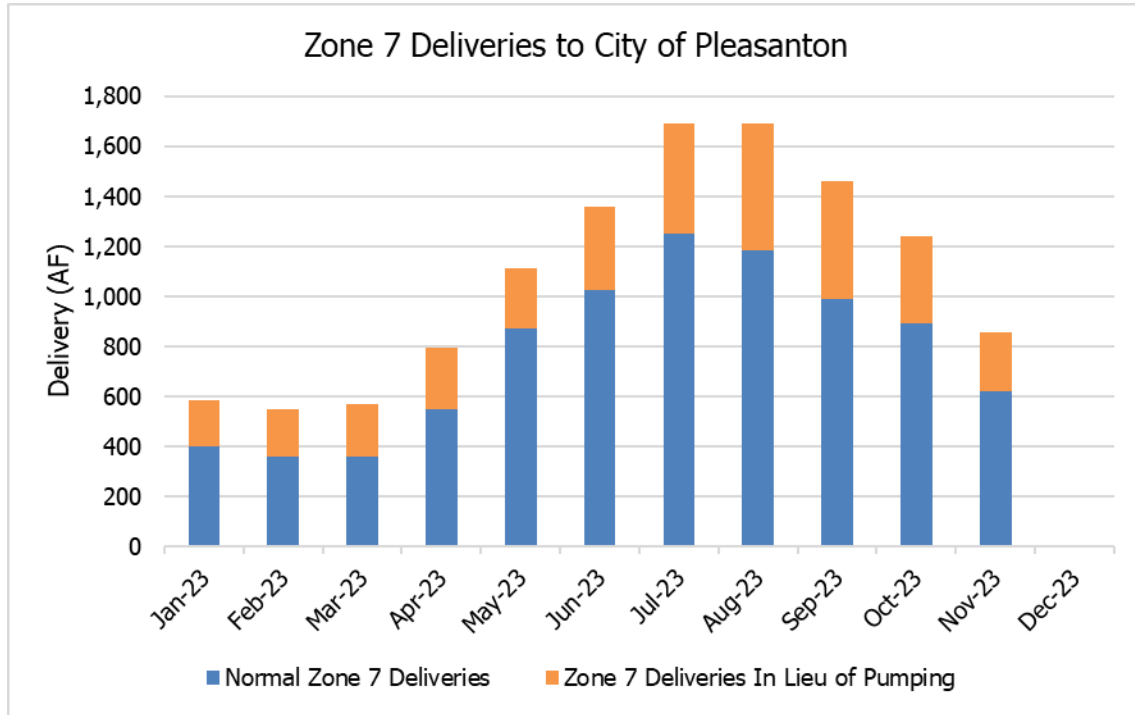
**Figure 1: Monthly Treated Water Production in Acre-Feet (AF)**



**Figure 2: Monthly Treated Water Production in Average Million Gallons per Day**

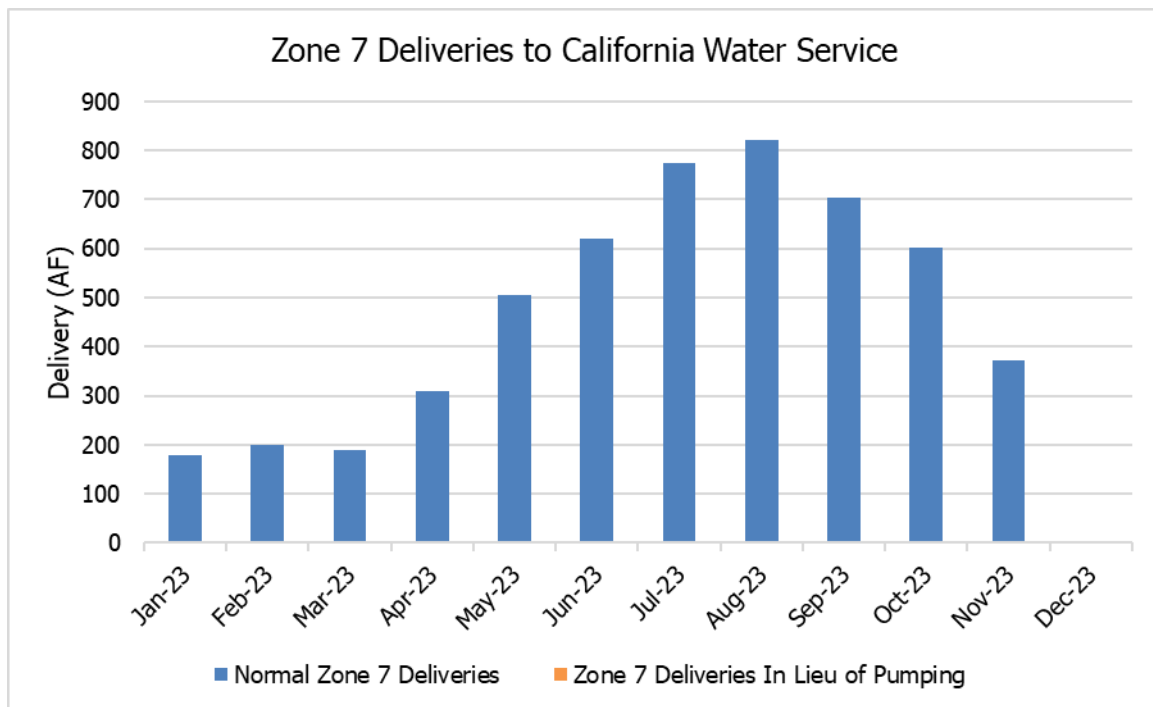


**Figure 3: Pleasanton Estimated In-Lieu Demand  
(Based on 2016-2019 Pumping)**



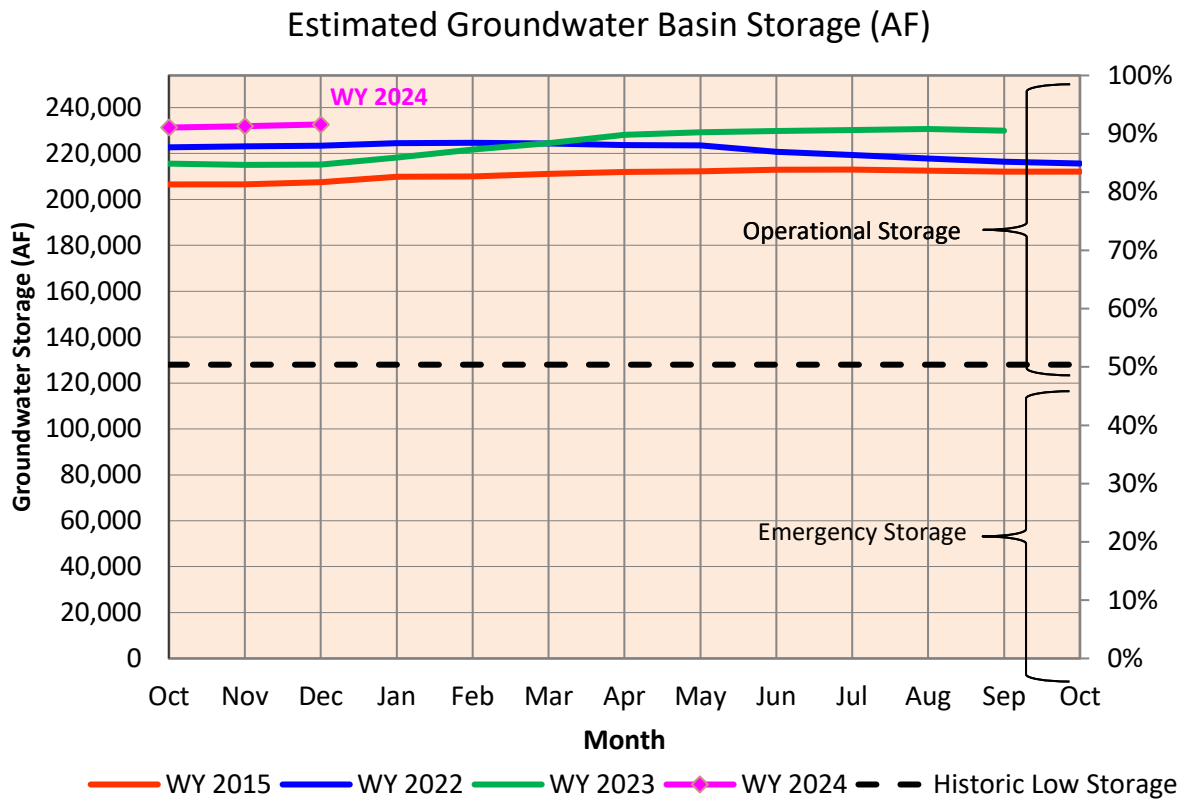
\*Pleasanton's pumping data for December is not yet available and will be reflected in future inventories.

**Figure 4: California Water Service Estimated In-Lieu Demand  
(Based on 2016-2019 Pumping)**



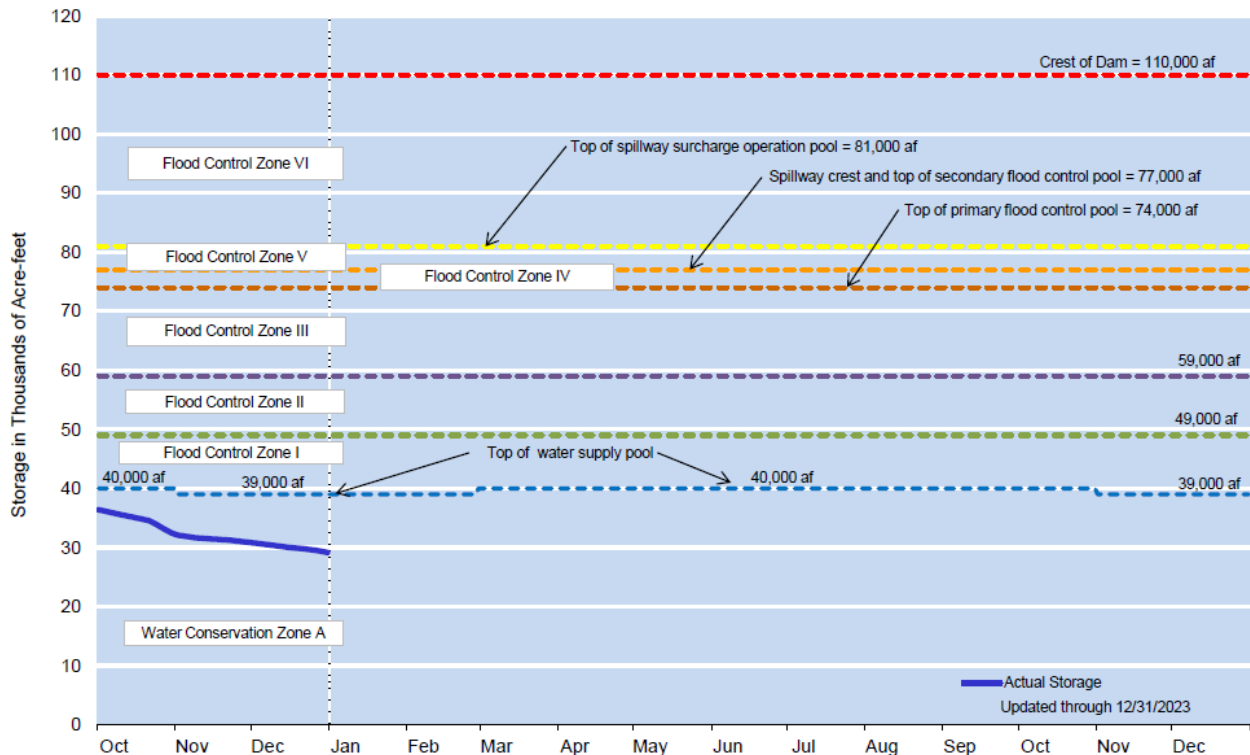
\*Cal Water's pumping data for December is not yet available and will be reflected in future inventories.

**Figure 5: Livermore Valley Groundwater Basin Storage\***



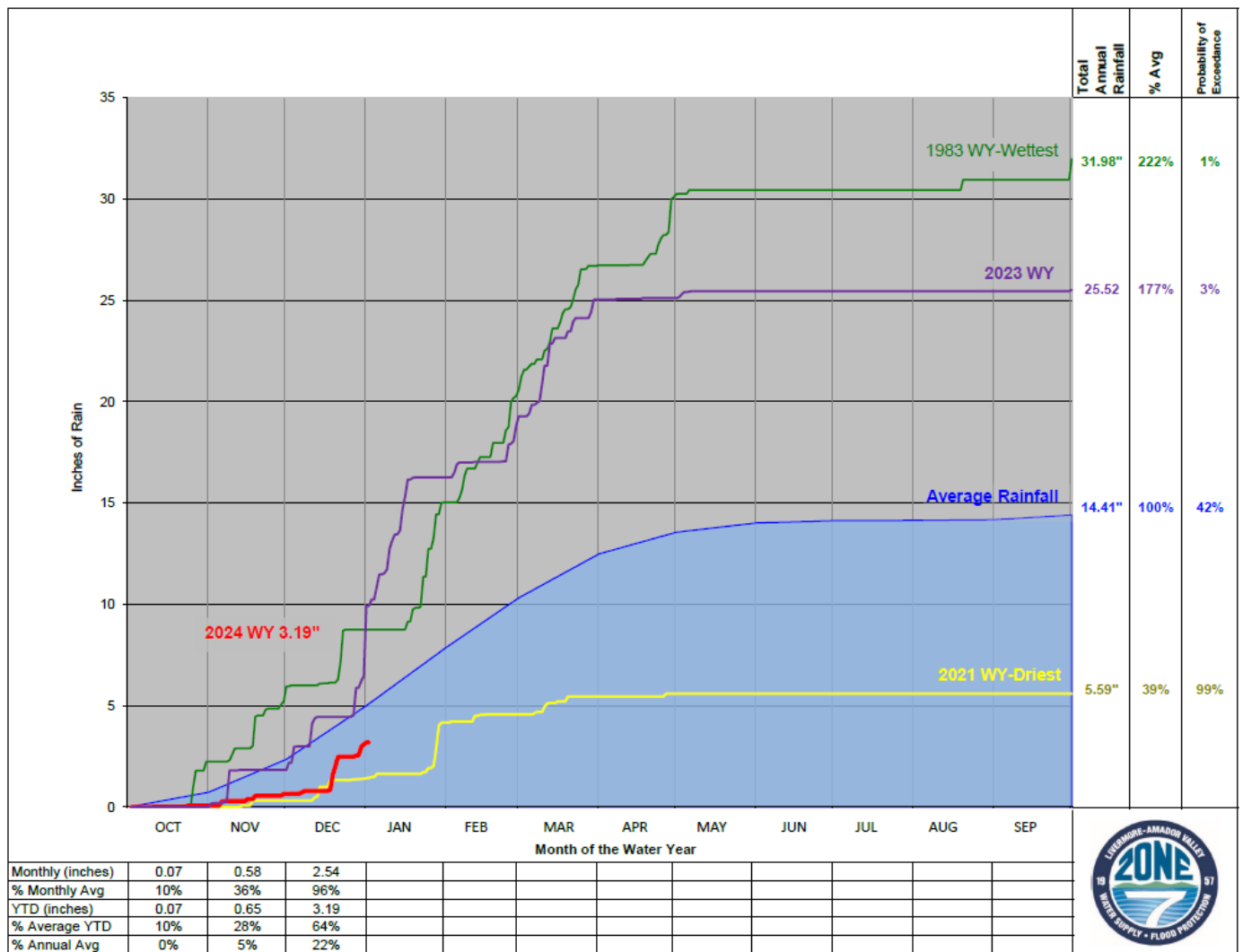
\*The estimated groundwater basin storage represents the combined total storage from all four subbasins.

**Figure 6: Lake Del Valle Storage**

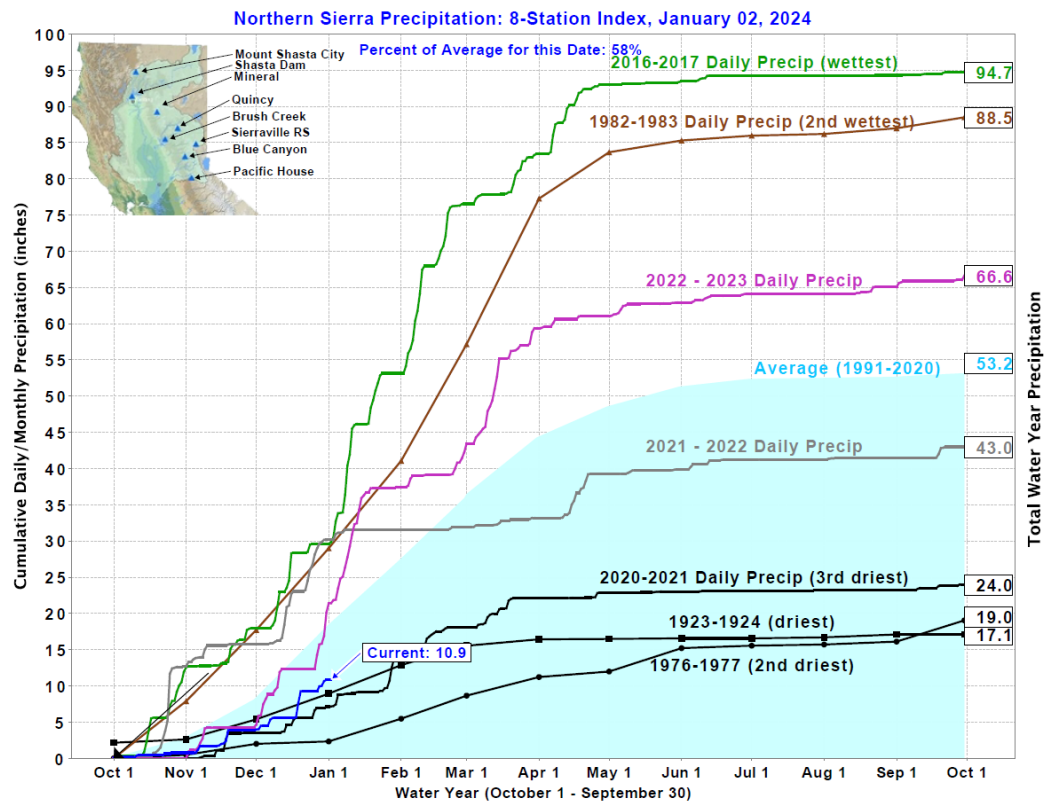


(Source: <https://water.ca.gov/-/media/DWR-Website/>)

## Figure 7: Local precipitation

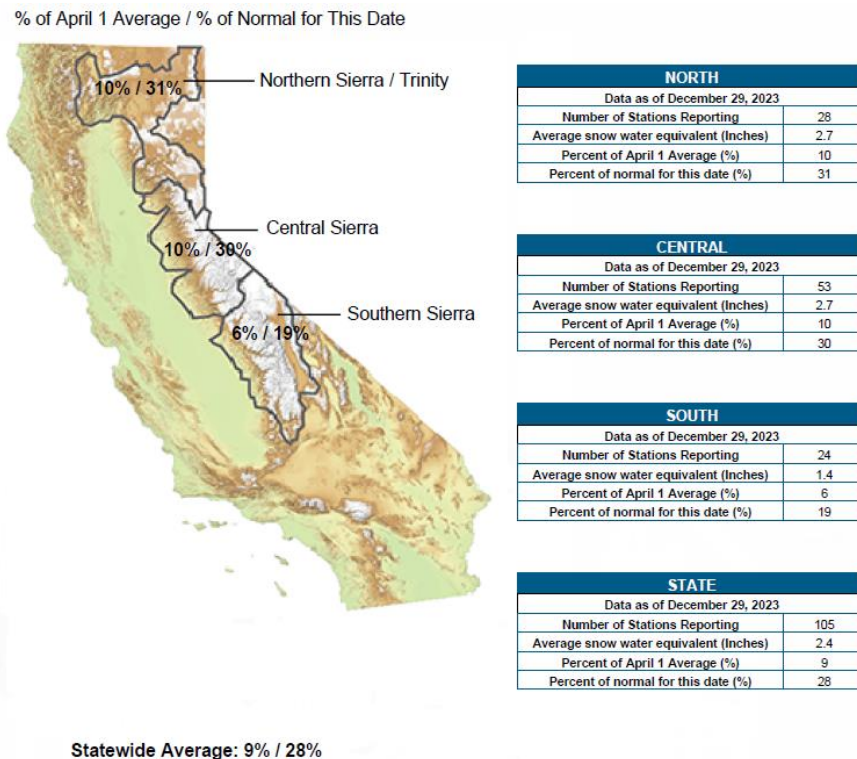


**Figure 8: Cumulative Precipitation in the North Sierra**



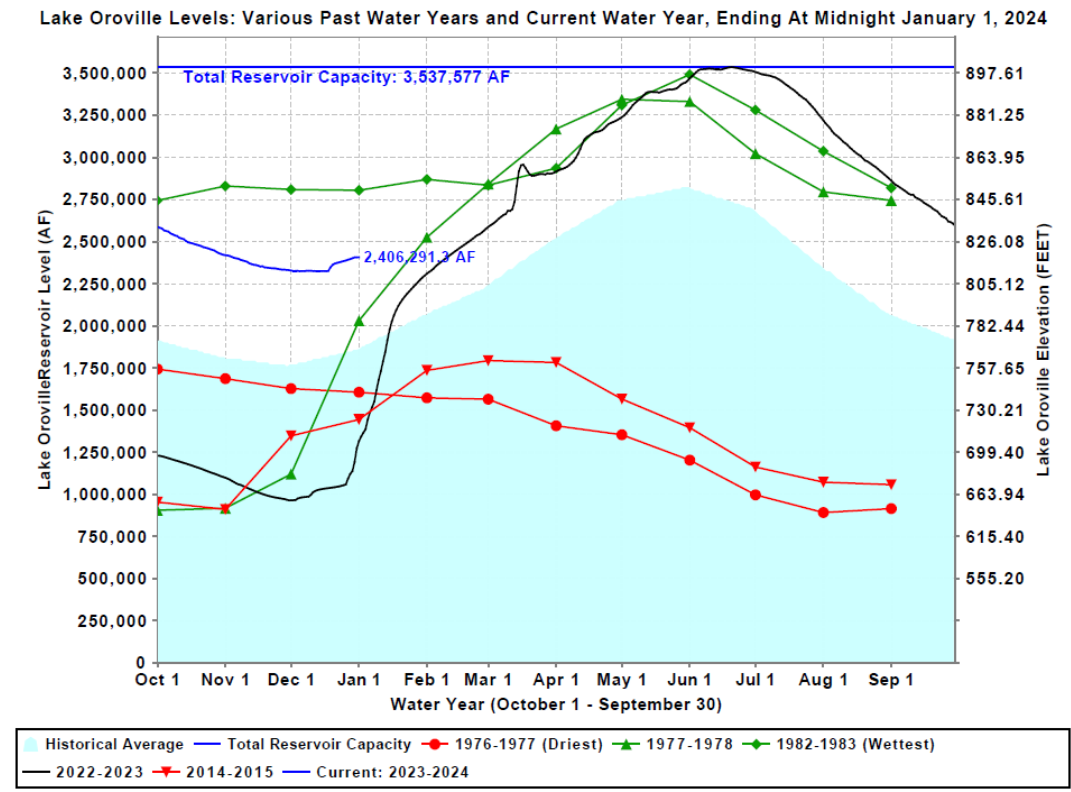
(Source: [http://cdec.water.ca.gov/cgi-progs/products/PLOT\\_ESI.pdf](http://cdec.water.ca.gov/cgi-progs/products/PLOT_ESI.pdf))

**Figure 9: Sierra Snowpack**



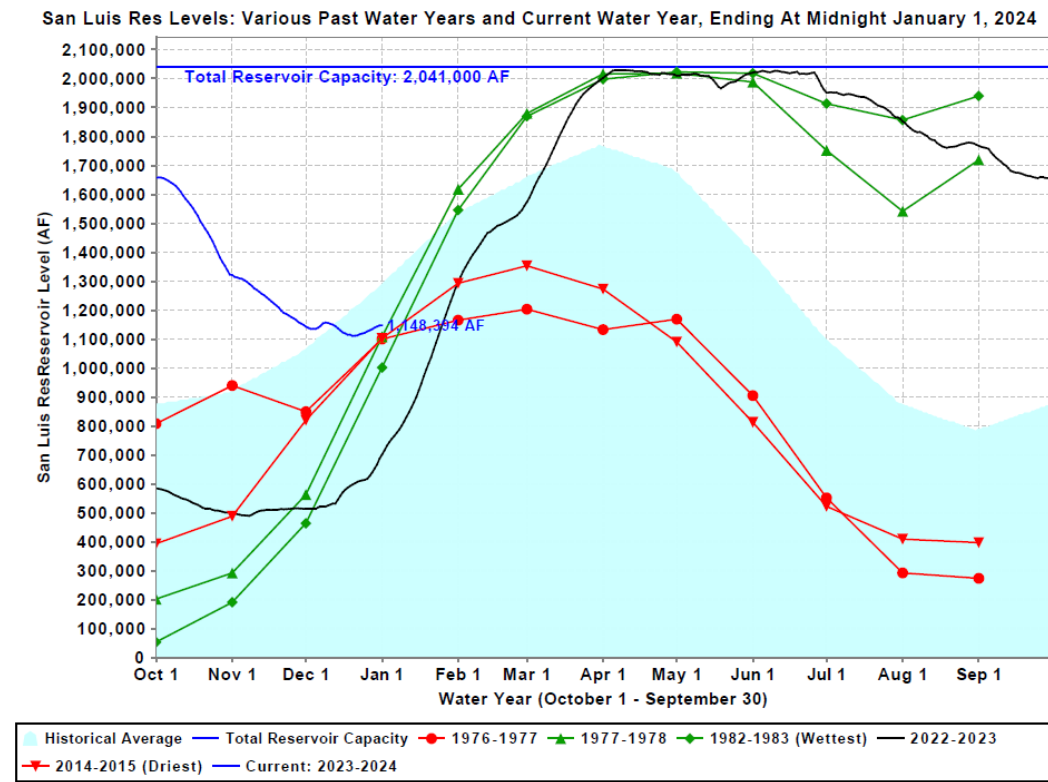
(Source: <https://cdec.water.ca.gov/reportapp/javareports?name=swccond.pdf>)

## Figure 10: Lake Oroville Storage



(Source: <https://cdec.water.ca.gov/resapp/ResDetail.action?resid=ORO>)

## Figure 11: San Luis Reservoir Storage



(Source: <https://cdec.water.ca.gov/resapp/ResDetail.action?resid=SNL>)