

NOTICE OF REGULAR MEETING OF BOARD OF DIRECTORS

DATE: Wednesday, February 15, 2023

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

PARTICIPATION: **In Person:**  
Zone 7 Administration Building  
100 North Canyons Parkway, Livermore, California  
**Zoom Webinar:**  
<https://us02web.zoom.us/j/89424152333>

Due to the current state of emergency and imminent health risks to in-person attendees because of COVID-19 and in accordance with the provisions of California Government Code Section 54953(e), Directors may attend this meeting via teleconference.

To join the meeting, click the link above or enter Meeting ID 894 2415 2333 into the Zoom app on your smartphone or computer. Alternatively, you may join by phone by calling (669) 900-6833 and entering the Meeting ID.

Consistent with local requirements, all persons attending this meeting must wear a mask, without regard to their vaccination status. If you have a fever or other symptoms of COVID-19, please do not enter the building, and instead submit any comments that you may have by telephone, email ([publiccomment@zone7water.com](mailto:publiccomment@zone7water.com)), or written letter by 12:00 p.m. on February 15<sup>th</sup>. Any member of the public desiring to address the Board on an item under discussion may do so upon receiving recognition from the President.

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 Zone 7 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. Swearing In of Director

3. Closed Session

- a. Government Code section 54957(b); Public Employee Performance Evaluation: Title: General Manager
- b. Conference with Real Property Negotiators – Property: APN 946-1350-4  
Agency Negotiators: Valerie Pryor, Jarnail Chahal and Rebecca Smith  
Negotiating Parties: Zone 7 Water Agency and Jamieson Company, LLC  
Under Negotiation: Price and terms of payment
- c. 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
- d. Conference with Legal Counsel – Existing litigation pursuant to Gov’t Code section 54956.9(d) (1): (1) County of Butte v. California Department of Water Resources (California Supreme Court No. S258574, (2) State Water Contractors v. California Department of Fish & Wildlife (Fresno County Superior Court, filed April 29, 2020), (3) Thomason v. Morrow (Alameda County Superior Court No. 18918041), (4) Stark v. Alameda County Flood Control and Water Conservation District, Zone 7 (Alameda County Superior Court Case No. 22-CV-5837), (5) Bautista v. Alameda County Flood Control and Water Conservation District, Zone 7 (Alameda County Superior Court Case No. 22-CV-10679); (6) Gleason v. Alameda County Flood Control and Water Conservation District, Zone 7 et al (Alameda County Superior Court Case No. 22-CV-14658)
- e. Conference with Legal Counsel – Anticipated Litigation: Initiation of litigation pursuant to § 54956.9(d) (one case)

4. Open Session and Report Out of Closed Session (approximate time: 7:00 p.m.)

5. Pledge of Allegiance

6. Roll Call of Directors

7. 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.*

8. Minutes

- a. Regular Board Meeting Minutes of January 18, 2023

9. Introduction of Los Vaqueros Reservoir Expansion Executive Director

Recommended Action: Presentation Only

10. Award Flood Management Plan Phase 2A Contracts

Recommended Action: Adopt Resolution

11. Declaration of Fix a Leak Week

Recommended Action: Adopt Resolution

12. Committees

- a. Administrative Committee Meeting Notes of January 10, 2023
- b. Water Resources Committee Meeting Notes of January 26, 2023

13. Reports – Directors

- a. Verbal Comments by President
- b. Written Reports
- c. Verbal Reports

14. Items for Future Agenda – Directors

15. Staff Reports

- a. General Manager’s Report
- b. Drought Update
- c. January Outreach Activities
- d. Legislative Update
- e. Capital Projects Status Report
- f. Monthly Water Inventory and Water Budget Update
- g. Summary of Zone 7 Water Agency Rates, Fees, Charges

16. Adjournment

17. Upcoming Board Schedule: (All meeting locations are in the Boardroom at 100 North Canyons Parkway, Livermore, unless otherwise noted.)

- a. Finance Committee Meeting: February 21, 2023, 4:00 p.m.
- b. Legislative Committee Meeting: February 22, 2023, 5:00 p.m. (tentative)
- c. Special Board Meeting (if needed): March 1, 2023
- d. Regular Board Meeting: March 15, 2023, 7:00 p.m.

MINUTES OF THE BOARD OF DIRECTORS  
ZONE 7

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

REGULAR MEETING  
January 18, 2023

The following were present:

DIRECTORS PRESENT: DAWN BENSON  
DENNIS GAMBS  
LAURENE GREEN  
SARAH PALMER  
ANGELA RAMIREZ HOLMES

DIRECTORS ABSENT: SANDY FIGUERS

STAFF PRESENT: VALERIE PRYOR, GENERAL MANAGER  
HEATH MCMAHON, ASSISTANT GENERAL MANAGER – ENGINEERING  
OSBORN SOLITEI, TREASURER/ASSISTANT GENERAL MANAGER - FINANCE  
ALEXANDRA BRADLEY, COMMUNICATIONS SPECIALIST  
ELKE RANK, ASSOCIATE PLANNER  
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 Palmer called the Regular Meeting of the Board of Directors to order at 7:05 p.m.

Item 2 – Closed Session

Closed Session was canceled.

Item 3 – Open Session and Report Out of Closed Session

Closed Session was canceled so there was nothing to report.

#### Item 4 – Pledge of Allegiance

President Palmer led the Pledge of Allegiance.

#### Item 5 – Roll Call of Directors

Director Figuers was absent.

#### Item 6 – Public Comment on Non-Agenda Items

There was no public comment.

#### Item 7 – Consent Calendar

Director Ramirez Holmes moved to approve Items 7a, 7b, 7c, and 7d. Director Benson seconded the motion. The items were approved by a roll call vote of 5-0 with Director Figuers absent.

#### Item 8 – Minutes

Director Ramirez Holmes moved to approve the Regular Board Meeting Minutes of December 21, 2022, and Director Green seconded the motion. The minutes were approved by a roll call vote of 5-0 with Director Figuers absent.

#### Item 9 – Outreach and Communications Program Only

Alexandra Bradley, Communications Specialist, presented the biannual Communications Update that included an update on the strategic plan progress, an overview of general agency outreach, drought and conservation messaging, and a measurement of outreach effectiveness.

Director Ramirez Holmes asked if any more social media platforms would be included in the outreach plan, and in particular Twitter. Ms. Bradley responded that they are looking into adding Instagram, but Twitter is not in the plan.

Director Green asked if there are any anticipated changes with communicating to the public in terms of the recent storms. Ms. Bradley responded that she participated in a Drought Committee with other agencies, and she thought they collaborated rather well. She added that once everything is wrapped up, the Committee will look at where they performed well, and where they might have had lapses in communication, or where they can improve.

#### Item 10 – Informational Report on Zone 7 Response to Recent Storms

Elke Rank, Water Resources Planner, gave a presentation on Zone 7's response to the recent storms stating that staff coordinated with cities, the Department of Water Resources and Emergency Operations Centers.

Ms. Rank stated that many departments in the Agency came together to make a difficult situation as smooth as possible. Staff dealt with debris removal and downed trees, provided sand and sandbags to the public, and coordinated with retailers and other government entities to communicate information to the public.

Director Gambs thanked staff for all their hard work. He added that in the development of the Flood Management Plan, the channel maintenance part of that program is very important and the documentation on these current storms and damage would be a great asset to the consultants when assessing what needs to be accomplished.

Director Ramirez Holmes also thanked staff for their hard work, especially during the holidays. She stated that she received and had very little access to information that she could share with her social media followers. She also said she didn't receive any information on the Lake Del Valle releases, only what she saw from the media. Director Ramirez Holmes encouraged staff to utilize the Board to spread information and asked staff to evaluate the process for disseminating information.

President Palmer agreed with Director Ramirez Holmes and added that she was able to get some information from her water industry contacts to place on her personal website, but would like to get more from Zone 7.

Both Directors Benson and Green agreed with Director Ramirez Holmes and President Palmer.

Director Green asked about aquifer recharge and Valerie Pryor, General Manager, responded that staff believes the basin storage increased by approximately 3000 acre-feet.

Public comment was received by Sandy Christman, a Pleasanton resident, and Kelly Abreu, a Fremont resident.

The Board took a 5-minute break.

#### Item 11 – Chain of Lakes PFAS Treatment Project and Financing Options

Heath McMahon, Assistant General Manager – Engineering, gave a presentation on the Chain of Lakes PFAS treatment project and financing options. Mr. McMahon discussed the Chain of Lakes wells and applicable PFAS regulations, well water quality analysis, the treatment facility, and funding for the project. Mr. McMahon presented two funding options to the Board. The first financing option presented was a bond financing, which Mr. McMahon mentioned was the fastest method to get the Chain of Lakes (COL) Wells back into service. The second option presented was waiting to see if staff can secure a Drinking Water State Revolving Fund (SRF) loan for the project. This option would keep the COL wells out of service through late 2025 or 2026.

Director Ramirez Holmes stated that the Finance Committee did not approve forwarding to the financing option and reimbursement resolution to the full board. She added that the Finance Committee and the Board chose SRF as the best option in May 2021, and she wanted to know what took place since then.

Osborn Solitei, Treasurer/Assistant General Manager – Finance, stated that staff submitted the general application for the SRF loan in December 2021, which was after the Board granted approval to do so. Mr. Solitei added that staff had to wait until 100% of the design was complete to forward to send the technical, financial, and environmental applications to SRF. The 100% design was just completed in December 2022.

Director Ramirez Holmes asked why the options weren't brought to the Finance Committee and Mr. Solitei responded that it was first brought to the Finance Committee with a reimbursement resolution as an option. President Palmer added that at the December Board meeting, it was requested under 'future agenda items' that an item be brought to the Board in January for what plans are their do deal with the COL wells. At that time Director Ramirez Holmes stated that she wanted it to go back to the Finance Committee before the full Board. President Palmer stated that the Board can look at recommendations from the Finance Committee, but they are just recommendations and that she made the decision to bring this item to the full Board so that staff can get going on the project.

Director Gambs stated that action needs to be taken now to be able to meet demands of our customers and because the COL wells are close to a quarter of the well supply.

Director Green asked if bonds could be refinanced if rates go down and Mr. Solitei responded yes. She asked how many wells were out of commission and Mr. McMahon replied that four are down due to PFHxS and one is down due to mechanical failure.

Public comment was received by Jill Buck, a resident of Pleasanton.

President Palmer read two emails from the public. One from Susan Wacek and the other from Christina Williams.

Director Ramirez Holmes stated that she wanted it to be clear that the Board isn't voting on a bond, but rather a reimbursement resolution.. She asked what the implications are on the water rates. Ms. Pryor responded that the water rates did envision some amount of debt service for this project; close to the SRF rate, a little less than what bond financing might be. She added that budgets and water rates are just estimates and staff have applied for grants.

Director Green made a motion to accept staff's recommendation and Director Gambs seconded the motion. The item passed with a roll call vote of 3-2 with Directors Benson and Ramirez Holmes dissenting.

#### Item 12 – Committees

No comments were received from the Board.

#### Item 13 – Reports – Directors

President Palmer attended a meeting with the ACWA Housing Identification Worker Group to discuss meter sizes and what happens with multi-dwelling units . She also attended a meeting with ESRAG (Environmental Sustainability Rotary Action Group).

Director Ramirez Holmes reported that the Los Vaqueros Reservoir Joint Powers Authority voted to reappoint her as Chair last week. She added that on December 20th, they received WIIN ACT funding of \$18 million which brings the total of federal funding for the project to a \$100 million. The Los Vaqueros JPA will start meeting in person in February and on the second Wednesday of every month at Zone 7. She will also attend the ACWA State Legislative Committee meeting on January 20<sup>th</sup>.

#### Item 14 – Items for Future Agenda – Directors

Director Ramirez Holmes mentioned that she spoke with Valerie Pryor about placing a little free library at one of Zone 7's locations. Ms. Pryor responded that it is in the works to have one placed at the Parkside location. Director Ramirez Holmes asked for a report back to the Board with a timeline on the project.

Director Green announced that the Tri-Valley Air Quality Community Alliance is doing their annual survey and can be accessed on [www.tvaqca.org](http://www.tvaqca.org).

#### Item 15 – Staff Reports

Valerie Pryor mentioned that Zone 7 was awarded the District Transparency Certificate of Excellence by the Special District Leadership Foundation, having met a number of transparency requirements. Ms. Pryor added that although there has been a lot of precipitation and some increases in storage, we are not out of the drought just yet.

Director Gambs mentioned that there is a vacancy on the Board of Directors with applications due January 25<sup>th</sup>.

#### Item 16 – Adjournment

President Palmer adjourned the meeting at 9:25 p.m.



**ORIGINATING SECTION:** Administration

**CONTACT:** Valerie Pryor

**AGENDA DATE:** February 15, 2023

**SUBJECT:** Award Contracts for Flood Management Plan Phase 2A

**SUMMARY:**

The proposed action is in support of Strategic Plan Goal D – Provide an Effective System of Flood Protection and Zone 7 Strategic Plan Initiative No. 10 – Update the Flood Protection Strategy. On June 29, 2022, the Board of Directors adopted Resolution No. 22-73 which approved the Flood Management Plan Phase 1. This Phase I plan is a high-level strategy for flood management and includes the attached Goals and Objectives as adopted in Resolution No. 22-14 on March 2, 2022. These Goals and Objectives serve as a multi-year work program for the Flood Management Plan (FMP) Phase 2.

The proposed contracts and workplan for FMP Phase 2A were reviewed with the Water Resources Committee on January 26, 2023. The Water Resources Committee recommends the award of contracts for work related to Phase 2A. The significant work in Phase 2A will focus on a quantitative risk-informed, watershed-based, systemwide evaluation of the 37-mile flood protection system. This will be the basis for the development of planning alternatives to be considered by the Board of Directors. The Planning Alternatives will include a suite of projects, programs, changes to current Zone 7 practices as well as changes to regional and regulatory agency relationships. Note that this will be conceptual level work and will not include specific projects in a Capital Improvement Program. Assuming the Board of Directors adopts a Plan, this will be the basis for developing a Capital Improvement Program in future phases. Phase 2A will include a Stakeholder and Public Outreach Program integrated into all Phase 2A activities.

Phase 2A is divided into four primary work tasks – Project Management, Systemwide Evaluation, Proactive Maintenance Guidance and Outreach and Engagement. This work is anticipated to last 24 months.

The contracts recommended for this project are:

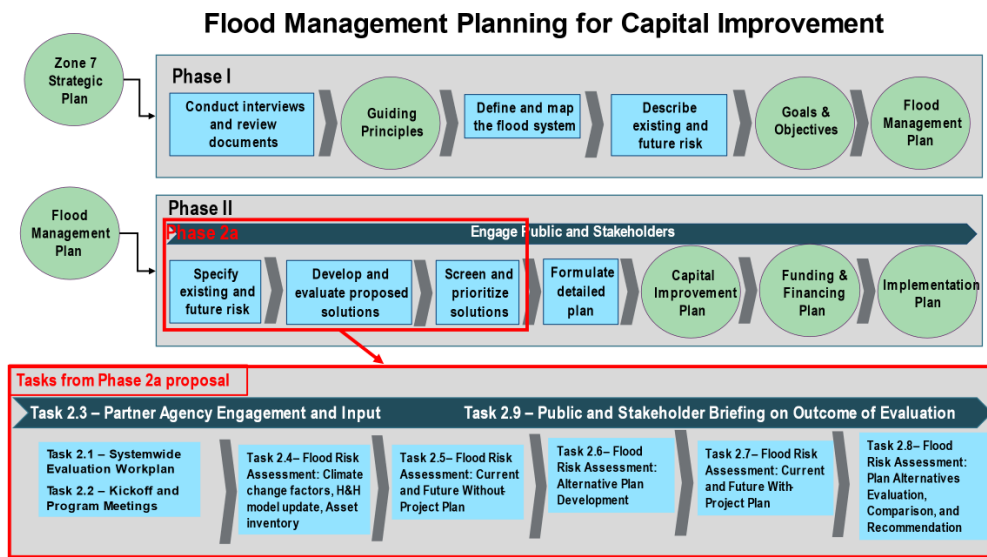
- \$2,242,800 for HDR for development of Flood Management Plan Phase 2A (\$2,038,900 plus an approximate 10% contingency)
- \$71,000 for Environmental Science Associates (ESA) for Hydrologic and Hydraulic modeling support for Phase 2A (\$64,400 plus an approximate 10% contingency)
- \$171,000 for Larsen Wurzel Associates to serve as project manager for Phase 2A (\$155,500 plus an approximate 10% contingency)

The HDR contract is allocated to the four tasks as follows:

Task	Budget
Systemwide Evaluation	\$1,309,100
Project Management	319,100
Outreach and Engagement	225,000
Proactive Maintenance Guidance	179,900
Subconsultant Markup (5%)	5,800
Contingency (10%)	203,900
Total	\$2,242,800

The total estimated consultant cost is \$2,484,800. Zone 7 expects to receive a grant of approximately \$827,500 to offset this cost. The Bay Area Integrated Regional Water Management (IRWM) Coordinating Committee has recommended Zone 7's FMP Phase 2 and Zone 7's Water Supply Risk Model Enhancements and Optimization Projects for Proposition 1, Round 2, IRWM grant funding. The recommended award for this \$827,500 and the final application will be submitted to DWR in February. It will be part of a package of projects selected from submissions by water agencies across the Bay Area. The Bay Area IRWM Region is a cooperative funding area. Thus, DWR's application review is just an administrative process and projects recommended by the local IRWM region will receive funding unless the grant eligibility requirements are not met.

This work covers FMP Goals and Objectives 1.1, 1.2, 2.1, 6.1, 6.3 and 7.1. Other Goals and Objectives will be covered under future phases – primarily development of a Capital Improvement Plan, Operations and Maintenance including funding and implementation, and enhancing technical expertise. This is shown graphically below.



**FUNDING:**

Funding for this project is available in Fund 200 – Flood Protection Operations (59%) and Fund 210 – Flood Protection Development Impact Fee Fund (41%).

**RECOMMENDED ACTION:**

Adopt the attached three Resolutions.

**ATTACHMENTS:**

1. Resolutions
2. Flood Management Plan Phase 1 Goals and Objectives
3. HDR Work Plan – Flood Management Plan Phase 2A

ZONE 7  
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT  
BOARD OF DIRECTORS

RESOLUTION NO.

INTRODUCED BY  
SECONDED BY

**Award of Professional Services Contract for  
the Flood Management Plan Phase 2A**

WHEREAS, Zone 7 Strategic Plan Initiative No. 10 is to update the flood protection strategy; and

WHEREAS, on June 29, 2022, the Board of Directors adopted Resolution No. 22-73 which approved the Flood Management Plan Phase 1. The Phase I plan is a high-level strategy for flood management and includes the Goals and Objectives as adopted in Resolution No. 22-14 on March 2, 2022. These Goals and Objectives serve as a multi-year work program for the Flood Management Plan Phase 2; and

WHEREAS, Zone 7 has a need for the preparation of a Flood Management Plan Phase 2A; and

WHEREAS, Zone 7 needs to procure professional services for the Flood Management Plan Phase 2A; and

WHEREAS, through a consultant selection process, HDR Engineering, Inc. was determined to be best suited to provide professional services for the project.

THEREFORE, BE IT RESOLVED that the Board of Director 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 needed, a contract with HDR Engineering, Inc. for professional services for the Flood Management Plan Phase 2A, in an amount not-to-exceed \$2,242,800 (which includes \$2,038,900 for the initial contract and \$203,900 (10%) as 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 Alameda County Flood Control and Water Conservation District on February 15, 2023.

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

ZONE 7  
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

BOARD OF DIRECTORS

RESOLUTION NO.

INTRODUCED BY  
SECONDED BY

**Project Management Services Contract for the  
the Flood Management Plan Phase 2A**

WHEREAS, Zone 7 Strategic Plan Initiative No. 10 is to update the flood protection strategy; and

WHEREAS, on June 29, 2022, the Board of Directors adopted Resolution No. 22-73 which approved the Flood Management Plan Phase 1. The Phase I plan is a high-level strategy for flood management and includes the Goals and Objectives as adopted in Resolution No. 22-14 on March 2, 2022. These Goals and Objectives serve as a multi-year work program for the Flood Management Plan Phase 2; and

WHEREAS, Zone 7 has a need for the preparation of a Flood Management Plan Phase 2A; and

WHEREAS, Zone 7 needs to procure professional services for the Flood Management Plan Phase 2A; and

WHEREAS, Larsen Wurzel & Associates, Inc., has strategic knowledge of the Zone 7 flood protection system and has been instrumental throughout this process.

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 contract with Larsen Wurzel & Associates, Inc., for project management services in an amount not-to-exceed \$171,000, (which includes \$155,400 for the initial contract and \$15,600 (10%) as 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 Alameda County Flood Control and Water Conservation District on February 15, 2023.

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

ZONE 7  
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

BOARD OF DIRECTORS

RESOLUTION NO.

INTRODUCED BY  
SECONDED BY

**Hydrologic and Hydraulic Modeling Support Services Contract for the  
the Flood Management Plan Phase 2A**

WHEREAS, Zone 7 Strategic Plan Initiative No. 10 is to update the flood protection strategy; and

WHEREAS, on June 29, 2022, the Board of Directors adopted Resolution No. 22-73 which approved the Flood Management Plan Phase 1. The Phase I plan is a high-level strategy for flood management and includes the Goals and Objectives as adopted in Resolution No. 22-14 on March 2, 2022. These Goals and Objectives serve as a multi-year work program for the Flood Management Plan Phase 2; and

WHEREAS, Zone 7 has a need for the preparation of a Flood Management Plan Phase 2A; and

WHEREAS, Zone 7 needs to procure professional services for the Flood Management Plan Phase 2A; and

WHEREAS, Environmental Science Associates is the Agency's existing hydraulic and hydrologic modeling support consultant and technical knowledge of the system which will be required for this process.

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 contract with Environmental Science Associates for hydraulic and hydrologic modeling support services in an amount not-to-exceed \$71,000, (which includes \$64,400 for the initial contract and \$6,600 (10%) as 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 Alameda County Flood Control and Water Conservation District on February 15, 2023.

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

## Flood Management Plan Goals and Objectives

No.	Goal Theme	Goal Statement	General Objectives
1	Flood Control Channel System	Develop the framework to provide flood protection to a level as high as reasonably practicable using a risk-informed process.	<ol style="list-style-type: none"> <li>1. By 2023, identify the regional institutional framework necessary to effect adequate flood management for areas protected by the flood control channel system.</li> <li>2. By 2024, conduct a risk-informed, watershed-based evaluation of the flood control channel system.</li> </ol>
2	Relationships with Partner Agencies	Foster and participate in productive relationships with land use agencies and other entities to improve flood management.	<ol style="list-style-type: none"> <li>1. By 2023, identify common flood management interests of entities with a flood management role or flood-related impact in the watershed.</li> <li>2. By 2024, propose agreements with land use agencies who share flood management interests in the watershed.</li> <li>3. By the end of 2023(?), identify partner interests who have flood-related impact on the watershed and the flood control system.</li> </ol>
3	Capital Improvement	Develop a capital improvement program to support effective flood management projects and programs.	<ol style="list-style-type: none"> <li>1. By 2025, prepare a Capital Improvement Program (CIP) based on the outcomes of the systemwide evaluation (Objective 1.2).</li> <li>2. By 2025, develop a CIP funding and financing plan.</li> <li>3. By 2026, prepare a CIP implementation plan.</li> </ol>
4	Operations and Maintenance	Operate and maintain the flood control channel system where Zone 7 has fee title, easement, or agreement.	<ol style="list-style-type: none"> <li>1. By 2022, prepare an Operations and Maintenance (O&amp;M) program for the existing flood control channel system.</li> <li>2. By 2023, prepare a right-of-way management plan for the flood control channel system and associated floodplain</li> <li>3. By 2024, prepare an asset management plan for the existing flood control channel system.</li> <li>4. By 2024, prepare a funding/financing plan for O&amp;M and Asset Management programs.</li> </ol>
5	Technical Excellence	Use the best available resources to achieve flood management projects and programs.	<ol style="list-style-type: none"> <li>1. By 2023, develop and initiate a plan to enhance Zone 7 flood management expertise.</li> <li>2. By 2024, explore and establish resource sharing agreements with partner agencies.</li> <li>3. By 2025, implement enterprise-wide GIS-based solutions to support Zone 7 goals, including flood management</li> </ol>
6	Communication and Engagement	Effectively communicate and engage with the public and other stakeholders to deliver Zone 7's flood management projects and programs.	<ol style="list-style-type: none"> <li>1. Develop and implement a flood management communication and engagement plan that will be integrated with all Agency functions by 2024.</li> <li>2. By 2023, develop and implement enhancements to communication protocols and associated agreements for flood emergency response with partner agencies.</li> <li>3. By 2022, enhance communication protocols for routine flood O&amp;M activities.</li> </ol>
7	Resource Agency Permitting	Obtain permits in a timely manner to deliver flood management projects and programs.	<ol style="list-style-type: none"> <li>1. By 2022, participate in, or convene, a natural resources coordinating body for regional agencies with flood management impacts or roles.</li> <li>2. By 2026, adopt and implement a regional programmatic approach to routine O&amp;M with the resource agencies, primarily the California Department of Fish and Wildlife, the Regional Water Quality Control Board, and the U.S. Army Corps of Engineers, as well as U.S. Fish and Wildlife Service and the National Oceanic and Atmospheric Administration Fisheries.</li> <li>3. By 2026, prepare a programmatic EIR to support the CIP (Objective 3.1)</li> </ol>

## **HDR Work Plan – Flood Management Plan Phase 2A**

### Task One – Project Management and Coordination

This task includes regular meetings within the HDR team, up to three meetings per month with Zone 7, monthly progress reports and monitoring of the HDR budget.

### Task Two – Systemwide Evaluation

FMP Phase 1 included a qualitative assessment of risk. This FHP Phase 2A systemwide evaluation will perform a quantitative systemwide evaluation that will characterize risk to people, property and natural resources under existing and future conditions and will develop flood Plan Alternatives to reduce risk. This evaluation will compare alternatives to address risk including structural and non-structural means and methods. This process will incorporate open-space and conservation areas to incorporate nature-based solutions and multi-benefit objectives. Significant work under this task will be incorporating climate change factors into Zone 7's hydrologic and hydraulic (H&H) model. Plan Alternatives analysis will include criteria and weighting that incorporates flood risk reduction, cost, support of goals or one or more partner agencies, public acceptability, contributions to planning objectives and multi-benefit opportunities.

Subtasks include:

- Partner agency engagement
- Flood risk assessment – current and future without projects
- Alternative plans development (includes public process)
- Flood risk assessment – current and future with projects
- Plan alternatives evaluation, comparison and recommendation
- Public and stakeholder briefings on the systemwide evaluation
- Draft and final report
- Briefings for the Water Resources Committee and Board of Directors

### Task Three – Proactive Maintenance Guidance

This task acknowledges that Zone 7's channels continue to be impacted by factors such as underlying geologic instability, aging infrastructure, climate change and continued develop and will degrade at an accelerating rate. Damaged channels should be identified and risk-prioritized following every high-water event. Proactive maintenance refers to repairs and rehabilitation of the flood protection facilities and focuses on, but is not exclusive to, erosion and slope failures. This guidance will address long-term maintenance and environmental permitting.

Subtasks include:

- Provide the business case and technical criteria to identify damaged channel sites and provide the basis to secure funding and authority to repair the sites
- Provide clear technical guidance for decisions regarding emergency repairs, routine maintenance and long-term rehabilitation and replacement
- Identify actions needing regulatory permit compliance



- Create proactive maintenance evaluation criteria that staff can use to rank system repairs
- Through a geomorphology assessment, identify sites that require near-term and/or proactive remediation

#### Task Four – Stakeholder and Public Outreach Program

This task will engage stakeholders and the public throughout FMP Phase 2A. The process will identify key community stakeholders and partner agencies, business and civic organizations, educational institutions, non-profit organizations and environmental groups and document feedback.

Subtasks include:

- Develop and maintain a contact database for interested parties
- Provide a project-specific microsite accessible through the Zone 7 website
- Provide social media posts
- Provide collateral materials such as talking points, fact sheets, FAQ and presentations
- Provide an educational video about the process
- Develop speakers bureau list and materials
- Host up to two public meetings about the process
- Develop and facilitate a Resources Agency Roundtable to address flood protection system maintenance issues

**ORIGINATING SECTION:** Integrated Planning/Office of the General Manager  
**CONTACT:** Ken Minn/Alexandra Bradley

**AGENDA DATE:** February 15, 2023

**SUBJECT:** Declaration of Fix a Leak Week for March 20-26, 2023

**SUMMARY:**

- As part of Zone 7's mission to "Deliver safe, reliable, efficient, and sustainable water and flood protection services", Zone 7 participates in the U.S. Environmental Protection Agency (EPA) WaterSense program, which aims to promote efficient use of water resources. This effort supports Strategic Initiatives #2 – Evaluate and develop appropriate new water supply and reliability opportunities and #19 – Optimize Agency communications program.
- Zone 7 and the local water retailers collaborate on a regional water conservation program that seeks to reduce unnecessary water use through a variety of rebates, education programs, and public messaging (<https://www.zone7water.com/rebate-program>).
- WaterSense promotes Fix a Leak Week annually in March, to bring public awareness to the wasteful loss of water through leaks.
- The Fix a Leak Week campaign raises awareness of water leaks inside and outside the home, including the amount of water wasted from leaks each year, and encourages fixing such leaks.
- The average household's leaks can account for nearly 10,000 gallons of water wasted every year.
- This year, Fix a Leak Week will be held over March 20-26, 2023.
- During Fix a Leak Week, Zone 7 and the retailers will encourage customers to fix commonly leaking fixtures such as faucets, toilets, showerheads, outdoor irrigation, and hose bibs. The campaign also seeks to educate the public on the value of water and the importance of reducing water waste.
- Planned activities leading up to and during Fix a Leak Week will include an eNewsletter article and a social media campaign with instructional videos promoting the Water Wise Wendy Fix a Leak campaign (<https://www.zone7water.com/water-wise-wendy>).

- Staff is providing 400 shower buckets that also include dye tabs for detecting toilet leaks and a flyer that features tips for fixing leaks to the City of Pleasanton. They will distribute these materials during Fix a Leak Week.
- Through the Zone 7 Schools' Program, students will have the opportunity to download electronic "Fix-a-Leak Week" activity sheets with lessons on checking your water meter, checking for toilet leaks with food coloring, listening for running water, looking for signs of moisture and more about how much water is potentially wasted from leaks in the home and how we can save.
- Staff recommends that the Board adopt the attached resolution, declaring March 20-26, 2023, as Fix a Leak Week.

**FUNDING:**

No additional funding requested.

**RECOMMENDED ACTION:**

Adopt the attached Resolution.

**ATTACHMENT:**

Resolution

ZONE 7

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT  
BOARD OF DIRECTORS

RESOLUTION NO.

INTRODUCED BY  
SECONDED BY

**Declaration of Fix a Leak Week for March 20-26, 2023**

WHEREAS, as part of Zone 7's mission to "Deliver safe, reliable, efficient, and sustainable water and flood protection services", Zone 7 participates in the U.S. Environmental Protection Agency (EPA) WaterSense program, which aims to promote efficient use of water resources; and

WHEREAS, participation in the WaterSense program supports Strategic Initiatives #2 (Evaluate and develop appropriate new water supply and reliability opportunities) and #19 (Optimize Agency communications program); and

WHEREAS, WaterSense is promoting Fix a Leak Week over March 20-26, 2023, to bring public awareness to the wasteful loss of water through leaks.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District declares "Fix a Leak Week" for March 20-26, 2023.

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 February 15, 2023.

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

ZONE 7 BOARD OF DIRECTORS  
SUMMARY NOTES OF THE ADMINISTRATIVE COMMITTEE

January 10, 2023  
4:00 p.m.

DIRECTORS: Laurene Green  
Sarah Palmer

DIRECTORS ABSENT: Dawn Benson

ZONE 7 STAFF: Osborn Solitei, Treasurer/Assistant General Manager – Finance  
Shelisa Jackson, Human Resources Manager  
Donna Fabian, Executive Assistant

**1. Call Meeting to Order**

Director Palmer called the meeting to order at 4:02 p.m.

**2. Public Comment**

There were no comments from the public.

**3. Discuss General Manager Performance Evaluation Procedures and Process**

Osborn Solitei, Treasurer/Assistant General Manager – Finance, stated that the Committee should review the procedure and make recommendations for a plan and timeline for the performance evaluation procedures and process for the General Manager’s annual performance appraisal.

Director Palmer stated that the process went well last year, but some Directors were inquiring about a 360 evaluation process and if that should be part of the procedure. Director Palmer is not in favor of one.

Director Palmer stated that an external stakeholder survey is an option and asked Mr. Solitei what that might involve. Mr. Solitei stated that a survey would have to be created by an outside entity, it could cost up to \$10,000, but would not be ready in time for the evaluation process. Director Palmer added that she doesn’t think it is necessary either as the General Manager’s Weekly Report provides the Directors with everything they need to know.

Director Green suggested a survey questionnaire that could begin in November so that it would be ready for next year’s evaluation. Mr. Solitei said it would have to be facilitated from someone from the outside since he is a direct report to the General Manager. Director Palmer stated that she would rather not spend the money on something like that and that the current procedure is working well. Director Green said if she was the General Manager, she would like some feedback.

The Committee agreed to discuss this further at an Administrative Committee meeting in May, for a survey/questionnaire to stakeholders and the General Manager's direct reports. The Committee stated that they recommend evaluating the General Manager using the current procedure this year.

#### **4. Verbal Reports**

There were no verbal reports.

#### **5. Adjournment**

Director Palmer adjourned the meeting at 4:29 p.m.

ZONE 7 BOARD OF DIRECTORS  
SUMMARY NOTES OF THE WATER RESOURCES COMMITTEE

January 26, 2023  
2:00 p.m.

DIRECTORS PRESENT: SANDY FIGUERS  
DENNIS GAMBS  
SARAH PALMER

STAFF PRESENT: VALERIE PRYOR, GENERAL MANAGER  
HEATH MCMAHON, ASSISTANT GENERAL MANAGER – ENGINEERING  
OSBORN SOLITEI, TREASURER/ASSISTANT GENERAL MANAGER – FINANCE  
AMANDA ROGERS, ADMINISTRATIVE ASSISTANT

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

Director Palmer called the meeting to order at 2:01 p.m.

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

Kelly Abreu, a resident of Fremont, offered a public comment.

### **3. Flood Management Plan Phase 2A**

Mike Inamine, Project Manager of HDR, gave a presentation on the Flood Management Plan (FMP), Phase 2A. He said that this plan follows Phase 1, which was adopted last year. He explained that the three basic elements of Phase 2A are a systemwide evaluation, proactive maintenance guidance, and outreach and engagement.

Joanna Lou, HDR, continued the presentation, detailing the steps that will take place through the systemwide evaluation. These steps include a system-wide evaluation workplan, kickoff and program meetings, and a flood risk assessment. She said that the systemwide evaluation planning process is a six-step process: 1) specify problems and opportunities, 2) inventory and forecast conditions, 3) formulate alternative plans, 4) evaluate effects of alternative plans, 5) compare alternative plans, and 6) select recommended plan. She explained that the systemwide evaluation is basically a flood risk analysis, which is comprised of three steps: 1) looking at an estimate of future climate, 2) doing hydrologic and hydraulic model updates, and 3) looking at the asset inventory.

Mike Inamine continued the presentation. He discussed proactive maintenance guidance, which is a list of recommendations or suggestions based on past experience to conduct proactive maintenance. He said it's founded on a geomorphic evaluation.

Melissa Diamant, HDR, continued the presentation. She discussed how communication and engagement must run throughout the process. The process includes gathering the

information, the key points, and sharing it with partner agencies. Then working out the kinks in the language, answering the appropriate questions, and taking that refined messaging and output to the next level, the resource agencies. They go through that same exercise again, refining and ensuring they are answering the right questions. Then they get the messaging and the materials that support the effort ready for the final level, which is the public, the NGOs, and neighborhood organizations. She talked about how the information will be shared by means of public workshops, including an online version; leveraging the Tri-Valley Water Program Outreach Toolkit; syndicating on social media channels; using a speaker's bureau; and creating an educational video.

Mike Inamine finished the presentation by talking about the schedule. He said that the presumption is that the work will start in the second quarter of 2023 and will conclude exactly two calendar years later.

Director Palmer expressed concerns about the costs and asked for more detail on the finances.

Director Figuers requested an updated map on page 11 of the PowerPoint presentation.

Kelly Abreu provided public comment.

The Committee recommended that the item be brought to the full Board with the changes requested above, namely, provide more detail on the finances and update the map on page 11 of the presentation.

#### **4. Verbal Reports**

There were no verbal reports.

#### **5. Adjournment**

Director Palmer adjourned the meeting at 3:07 p.m.



Jan 24 Zone 7 Water Resources Committee updates on Sustainable Groundwater management

Jan 26 Zone 7 Water Resources Committee updates on flood management

Jan 27 ACWA Region 5 Board meeting in Marina

## ACWA REGION 5 BOARD MEETING

Friday, January 27, 2023 | Time: 10:00 a.m. – 12:00 p.m.  
Marina Coast Water District, 920 2nd Avenue, Suite A, Marina

### Agenda

- |      |  |                                      |
|------|--|--------------------------------------|
| I.   | Call to Order, Welcome   | <b>John Varela</b><br>Region 5 Chair |
| II.  | ACWA and Region Updates  | <b>Jennifer Rotz</b><br>ACWA Staff   |
| III. | ACTION ITEMS: 2024-2025 Elections  | <b>Board</b>                         |
|      | a. Appoint 2023 Region 5 Board Nominating Committee                        |                                      |
|      | b. Appoint ACWA Board Officers Election Committee Member                   |                                      |
| IV.  | Review Region 5 Committee Representation & Vacancies                       | <b>Rotz/Board</b>                    |
|      | a. Committees  |                                      |
|      | b. Committee Reporters   |                                      |
|      | i. ACTION ITEM: Appoint Committee Reporter for State Legislative Committee |                                      |
| V.   | Review Region 5 2022-2023 Work Plan  | <b>Board</b>                         |
| VI.  | Discuss 2023 Region Activities   | <b>Rotz/Board</b>                    |
|      | a. Region Event Planning Process   |                                      |
|      | b. Region event planning   |                                      |
|      | i. Tentative date hold: Sep. 21-22   |                                      |
|      | c. Schedule virtual Q2, Q3, Q4 region board meetings                       |                                      |
| VII. | Additional Discussion Items  | <b>All</b>                           |

### ACWA REGION 5 BOARD 2022-2023

#### Chair

**John L. Varela,**  
Valley Water

#### Vice Chair

**Jack Burgett,**  
North Coast County Water  
District

#### Board Members

**Ernesto A. Avila,**  
Contra Costa Water  
District

**Mary Bannister,**  
Pajaro Valley Water  
Management Agency

**John Muller,**  
Coastside County Water  
District

**Sarah Palmer,**  
Zone 7 Water Agency

**Floyd Wicks,**  
Montecito Water District

We started making plans for a Region 5 event for ACWA and plans for a session at the Spring ACWA Conference (with followup communications after the meeting) possibly Reservoir management and FIRO.





**ORIGINATING SECTION:** Administration  
**CONTACT:** Valerie Pryor

**AGENDA DATE:** February 15, 2023

**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 January.

20-22/2023 Storm Events:

As a result of the storms, Zone 7's flood protection facilities experienced damage at 219 locations based on assessment as of January 31, 2023. Of the 219, approximately 126 sites are in need of some form of bank repair in the future; 42 are considered medium to high priority and may qualify for FEMA assistance. Damage assessment is ongoing, and at present (as of January 31, 2023) the total estimated bank damages that may qualify for FEMA assistance is about \$10.3 million in construction costs.

Drought Emergency and Drought Operations:

On January 26, DWR announced an increased allocation of 30% for 2023. "DWR cautioned that while recent storms have been impressive, two months remain in the wet season and California could see a return to warm and dry conditions prior to April 1. Californians should continue to use water wisely to help the state adapt to a hotter, drier future and the possible return of drought." Note that in 2022, DWR announced an increased allocation of 15% on January 20, 2022, and then reduced the allocation to 5% on March 18, 2022, based on historical dry conditions in Spring 2022. For 2023. DWR has informed state water contractors that there is a small risk of reduction, but the 30% allocation is based on conservative assumptions, so they don't anticipate a reduction.

This is good news for Zone 7. However, even with a 30% allocation, the typical Zone 7 operations plan shows a need for continued conservation of 10%, use of water from Kern County storage and recovery programs and 5,000 acre-feet of water transfers. Based on continued developments in late winter and spring, staff will refine this plan.

Further, due three consecutive dry years, Zone 7 has relied heavily on stored water. For 2020, 2021, and 2022 Zone 7 received a cumulative Table A allocation of 24,186 AF while Zone 7's water use (treated and untreated only) amounted to approximately 126,000 AF during this

same period. As such, since 2020, Zone 7 has relied on local groundwater and storage reserves to make up for the shortage in water supplies, and various reserve storage has continued to decline. The following table summarizes cumulative change in Zone 7's various storage from 2019 through 2022:

<b>Sources</b>	<b>Changes in Acre-feet (2019 to 2022)</b>
SWP Carryover	700
Zone 7's Arroyo Valle Diversions (Lake Del Valle)	16,300
Groundwater Basin	-49,000
Kern County Storage and Recovery Programs	-29,100
<b>CUMULATIVE CHANGE IN STORAGE</b>	<b>-61,100</b>

It is anticipated that it may require multiple years of above normal hydrology to recover from the current storage deficit.

On September 1, 2021, Zone 7 declared a Drought Emergency and Water Shortage Contingency Plan Stage 2 and required 15% mandatory conservation from the retailers. Note that Water Shortage Contingency Plan Stage 2 is required by Governor's Executive Order dated March 28, 2022, and State Water Resources Control Board regulation adopted May 24, 2022. The regulation is set to expire on June 10, 2023.

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 and the Mocho Groundwater Demineralization Plant Concentrate Conditioning project. Staff continues to maximize groundwater production during drought conditions.

The Hopyard Well 6 was taken out of service on November 18, 2022, due to mechanical issues. Repairs are underway.

Administration and Outreach:

Zone 7 Little Free Library Project: Boy Scout Troop 31253 (Cresta Blanca service unit) has volunteered to build the Little Free Library to be installed at the Parkside office. Planning is in process. The estimated schedule is:

- February – Project design draft created by Troop 31253
- March – Design reviewed by Zone 7 staff, revisions made as needed, and design finalized

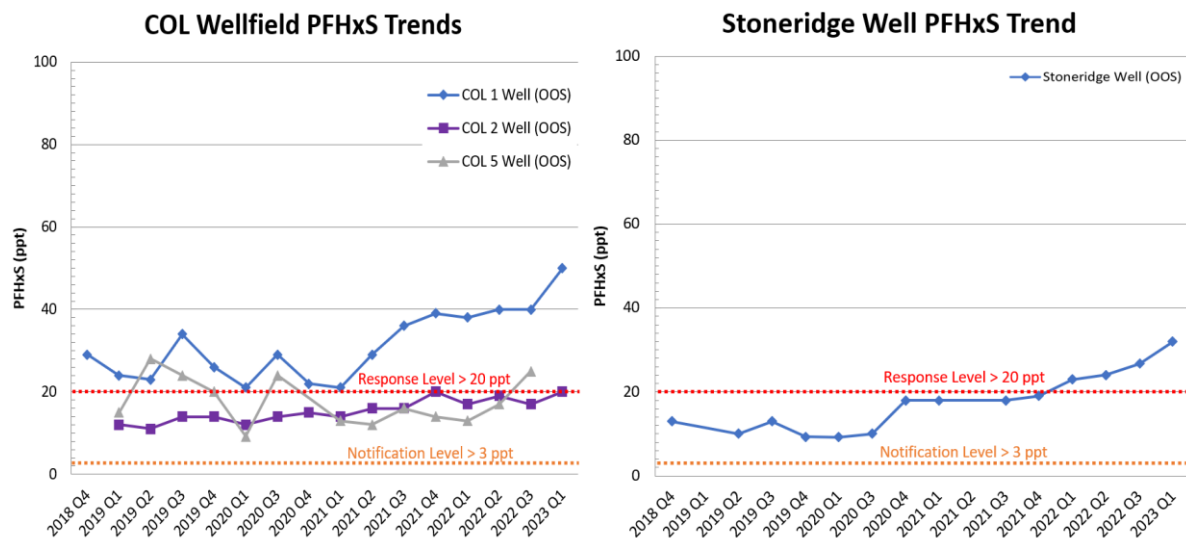
- April – Troop 31253 builds library; Zone 7 Directors gather books for donation to the library
- May – Zone 7/Troop 31253 install library at Parkside; Troop 31253 invited to May 17 board meeting for formal recognition and to celebrate May as Water Awareness month

**Bond Financing:** The Chain of Lakes PFAs Treatment Facility has been advertised and staff plans to recommend award of construction phase contracts at the April 2023 Board meeting. Based on direction received from the Board at the January 18 Board Meeting, staff has started the bond financing process. It will take approximately six months to issue bonds. A potential schedule includes:

- January 2023 – Board approval of a reimbursement resolution – completed.
- March - April 2023 – Finance Committee discussion of proposed debt financing strategy.
- April 2023 – Selection process and Board approval of a financing team, including a municipal advisor, bond and disclosure counsel, trustee, and underwriter.
- May - August 2023:
  - Draft and finalize legal documents, preliminary official statement, obtain credit rating.
  - Meeting of the Livermore Valley Water Financing Authority/Zone 7 Board to authorize bond issuance.
  - Negotiate/price bonds, execute closing documents and close bonds.

Engineering and Water Quality:

**Quarterly PFAS monitoring:** PFAs results were received from three samples collected from early January. The Chain of Lakes and Stoneridge wells are at or above response levels for PFHsX and are out of service until treatment is installed.



**Stoneridge PFAs Treatment Plant:** Contractor continues to provide construction submittals, mostly for long lead time items. Ground-breaking activities, such as excavation for the vessels pad, is anticipated to begin in late January/early February. Staff are projecting functional completion of the project (well running and being treated for PFAs removal) by summer of 2023, with full completion of the project by winter 2023/2024.

Integrated Water Resources:

**Livermore Valley Groundwater Basin Storage Condition:** The Livermore Valley Groundwater Basin provided much-needed drought supplies during the last three years of severe drought. From 2020 through 2022 calendar years, a total of 43,000 acre-ft of groundwater was extracted to make up for Zone 7's water supply shortage. Although the basin as a whole has operational storage of 126,000 acre-feet, Zone 7's existing wells can access only a limited portion of the basin's storage. As such, the basin water level was drawn down below the operational storage level in Amador East subbasin in August 2022. With the current favorable hydrologic conditions and increased SWP allocation, staff plans to replenish the groundwater basin with natural recharge and by limiting groundwater pumping in 2023 to facilitate the basin's recovery.

**Delta Conveyance Project:** Zone 7 is participating in the four-year planning and permitting process and has approved funding through calendar year 2024. The environmental planning and preliminary engineering work are on schedule and on budget. The U.S. Army Corps of Engineers (USACE) has issued a Draft Environmental Impact Statement (EIS) for the Delta Conveyance Project for public review. The document is available [here](#) and the USACE Draft EIS public review and comment period lasts until March 16, 2023. Zone 7 representatives continue to serve on the Boards of the Delta Conveyance Design and Construction Authority (DCA) and the Delta Conveyance Finance Authority (DCFA). Board packets for both the DCA and the DCFA can be found at: <http://www.dcdca.org/#meetings>.

Regarding the series of atmospheric rivers in late December and early January, it has been estimated that had the Delta Conveyance Project been in place, the project would have captured an additional 200,000 acre-feet of water.

**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.** Draft water rights change petitions have been prepared and submitted to the State Water Resources Control Board for preliminary review. The dam expansion design package is being prepared and will be submitted to the California Division of Safety of Dams for final approval of the construction permit. Staff will take part in sub-workgroups in late February to work out storage and conveyance concepts as part of the development of the Service Agreement.
- **Local Water Supply and Water Quality Studies.** The Draft 2022 Water Supply Evaluation Report was presented to executive management and staff are revising the

report and presentation in response to comments received. The Draft Purified Water Technical Memorandum has been revised and will be reviewed by staff prior to being finalized.

- **Sites Reservoir.** A baseline schedule will be developed to identify the critical path for the project to break ground. Timing of land acquisitions and risk management decisions are identified as key schedule drivers. The project is preparing to formally convert the participation from a yield allocation to storage allocation. The WIFIA loan application is being developed, with the goal of submitting the application in March.

Regarding the series of atmospheric rivers in late December and early January, it has been estimated that had the Sites Reservoir been in place, the project would have captured an additional 120,000 acre-feet of water, and an additional 260,000 acre-feet through mid-February.



## Monthly List of GM Contracts

### January 2023

<u>Contracts</u>	<u>Amount</u>	<u>Purpose</u>
GardenSoft Corp	\$5,200	License for and Maintenance of the Tri-Valley WaterWise Website
Larsen Wurzel & Associates, Inc.	\$48,240	Support Services to Agency's Flood Risk Management Mission
Risk Management Professionals, Inc.	\$33,000	2023 Hazard Mitigation Plan Update
<b>Total January 2023</b>	<b>\$86,440</b>	

**ORIGINATING SECTION:** Administration

**CONTACT:** Valerie Pryor

**AGENDA DATE:** February 15, 2023

**SUBJECT:** Drought Update

**SUMMARY:**

This item supports Zone 7's mission to "Deliver safe, reliable, efficient, and sustainable water and flood protection services" and Goal A – "Reliable Water Supply and Infrastructure: Provide customers with reliable water supply and delivery."

On January 26<sup>th</sup> the Zone 7 State Water Project (SWP) allocation for calendar year 2023 was increased to 30%, or 24,186 AF. This follows 5% SWP allocations in 2021 and 2022. The 2023 SWP allocation may be adjusted over the coming months as hydrologic conditions evolve. During the drought, Zone 7 has met water supply demands through reliance on stored water both locally and in other regions, through water transfers (purchases), and through water conservation. The Board of Directors declared a Stage 2 drought emergency on September 1, 2021, and required 15% mandatory conservation from the retailers (treated water customers).

This report summarizes drought-related activity for the month of January 2023.

**Operations Plan Updates:**

- For the Month of January, Zone 7 shifted treated water production primarily to surface water due to DWR's releases from Lake Del Valle to the SBA.
- With the SWP allocation increase staff is currently holding off on requesting recovery from the Kern County storage and recovery programs for the next few months.
- The January storms and associated streamflow has resulted in approximately 3,000 AF of groundwater recharge.

**Water Supply Transfers:**

- Zone 7 continues to pursue water transfer opportunities for 2023 and beyond.

**Conservation:**

- In January 2023, Zone 7 demands overall were 14% lower relative to the same time in 2020; treated production was 14% lower, and estimated untreated deliveries were the same as 2020. Attachment 1 provides monthly data on conservation.

- Below is a summary of rebates processed for all of FY 21 and FY 22 compared to FY 23 thru January 31, 2023:

<b>Conservation Rebates</b>	<b>FY 21 Total</b>	<b>FY 22 Total</b>	<b>FY 23 YTD</b>	<b>In Process</b>
High-Efficiency Washers	142	222	119	
Weather-Based Irrigation Controllers*	139	157	78	
Water Efficient Lawn Conversion	5	50	39	33
<b>TOTALS</b>	<b>286</b>	<b>429</b>	<b>236</b>	<b>33</b>

\*A special project involving 1,000 households is currently underway.

#### Communications/Coordination with Retailers:

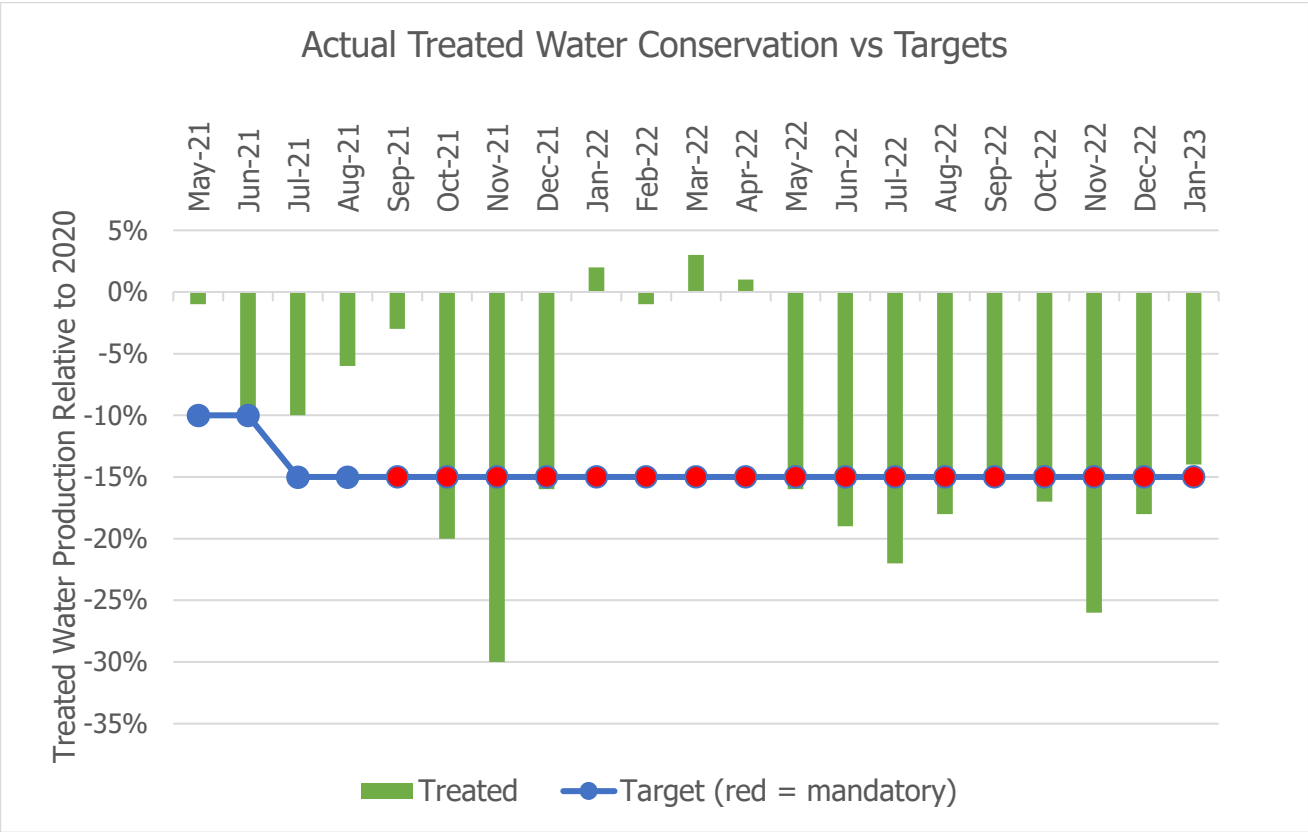
- On January 19, Zone 7 hosted a Tri-Valley Conservation Work Group meeting on with the retailers. Items discussed were future events, rebates, and water supplies.
- On January 9, the Tri-Valley Drought Communications Committee (Zone 7 and retailer staff) met to coordinate on drought messaging strategy and activities.
  - The paid media campaign for the drought is paused for the lower demand months, however, staff is still doing paid marketing on social media to continue messaging. Messaging is focused on reducing water use outdoors and promoting lawn conversions.
  - Staff provided an update on January storm response and current water supply situation, emphasizing the need for continued conservation as 2022 saw similar storms before shifting to a historically dry first quarter.
  - Retailers agreed on a phased approach to drought messaging, with the initial focus on encouraging lawn conversions.
  - Staff distributed the new lawn conversion signs to retailers and delivered additional drought buckets as requested.
  - Staff provided 400 drought buckets with rebate, schools' program and annual report information that will be available for pick up by residents at select City of Livermore library and Livermore Area Recreation and Park District facilities in February.
  - California Water Service, Livermore and Zone 7 launched the annual Water Conservation Art Contest. This year's theme is "California Water: Back to its Roots" which highlights the beauty of native plants as a lawn alternative.

**FUNDING:** None at this time.

**RECOMMENDED ACTION:** Information only.

**ATTACHMENT:** Attachment 1 – Actual Treated Water Conservation vs Targets

### Attachment 1 – Actual Treated Water Conservation vs Targets



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

**AGENDA DATE:** February 15, 2023

**SUBJECT:** January 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**

**Drought Outreach:** Staff continues to focus on drought messaging, educating residents about 15% mandatory conservation. Staff has a multi-pronged approach to messaging the need for conservation in the community and works collaboratively with the water retailers. January saw continued conservation though slightly lower than the target rate, coming in at 14% for the month. Drought outreach efforts are coordinated with retailer partners through monthly meetings of the Drought Communications Committee. Details can be viewed in the monthly Drought Update.

**Storm Response:** Staff utilized social media platforms to disperse important Zone 7 and local agency public safety information during the storms. Staff participated in the Alameda County, City of Livermore and City of Pleasanton emergency operation centers to stay informed of developments during the storm and communicate Zone 7's efforts. The Zone 7 website was continuously updated with sandbag location information and a pop up featuring Flood Ready Freddy was added to assist with instruction on how to properly place bags and direct them to the sandbag location webpage. The website saw a significant increase in new traffic due to storm response messaging.

**Board Vacancy:** Staff publicized the vacancy through a press release, newsletter announcement, and several boosted social media posts on LinkedIn, Facebook, and Nextdoor.

**Annual Report:** Staff released the Fiscal Year 2021-2022 Annual Report featured for the second year in a new digital format. A dual-sided flyer was created with a QR code that quickly links to the annual report website, the other side features the lawn conversion rebate. Staff sent out a press release and newsletter featuring the release of the report and will continue to promote various highlights of the report through a digital marketing campaign throughout the year. The report can be viewed at [www.zone7water.report](http://www.zone7water.report).

**Press:** Staff sent out two press releases in January which can be viewed at [www.zone7water.com/newsrelease](http://www.zone7water.com/newsrelease).

### **Outreach Program Updates**

**Schools' Program:** Staff taught 34 in-person classes throughout the service area in January.

Staff is working with the communications consultant to develop a marketing strategy to encourage teachers who have not utilized our in-person instruction to sign up for classes.

### **Completed In-Person Events:**

Lawrence Elementary School Family Science Night, Lawrence Elementary School, Livermore, Wednesday, January 18, 6:00 pm - 8:00 pm. Zone 7 participated in family science night. We engaged with over 125 Croce students and their family members. We brought our floodplain model and worked with students in helping them understand our watershed, flooding, and stormwater.

Croce Elementary School Family Science Night, Croce Elementary School, Livermore, Thursday, January 26, 6:00 pm – 8:00 pm. Zone 7 participated in this newly imagined family science night with many other organizations. We were once again very busy with the floodplain model and almost 100 students and family members.

### **Upcoming In-Person Events:**

Arroyo Seco Elementary School Family Science Night, Arroyo Seco Elementary, Livermore, Thursday, February 23, 6:00 pm – 8:00 pm. Zone 7 will provide interactive water education activities for students and their families.

Livermore Science Odyssey, Thursday, March 9, 4:30 pm - 7:30 pm. Junction Avenue K-8 School. Zone 7, in partnership with the City of Livermore and California Water Service will award the annual One Water Awards at the district-wide science fair.

Marylin Avenue Family Science Night, Marylin Avenue School, Livermore, Thursday, March 23 from 6:00 pm – 8:00 pm. Zone 7 will provide interactive water education activities for students and their families.

A Day by The Water, Del Valle Regional Park, Saturday, March 25, 2023, 10:00 am - 4:00 pm. For the second year in a row, there will be booths set up outside of the Del Valle Visitors Center focusing on the importance of water in our valley.

Livermore Innovation Fair, Saturday, April 15 10:00 am - 5:00 pm at Alameda Fairgrounds. This is a hands on event with over 50 exhibitors. Zone 7 will be represented with a booth that will have interactive activities and water conservation giveaways and information.

**ATTACHMENT:**

Analytics Dashboards



# Zone 7 Website Analytics

Jan 1, 2023 - Jan 31, 2023

## Analytic Highlights:

Users  
**5,746**  
 ↑ 78.7%

New Users  
**5,475**  
 ↑ 82.1%

Pageviews  
**15,200**  
 ↑ 109.1%

Bounce Rate  
**55.35%**  
 ↓ -6.3%

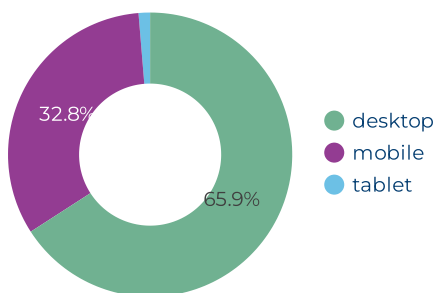
Sessions  
**7.5K**  
 ↑ 89.8%

Avg. Session Duration  
**00:02:08**  
 ↑ 17.6%

## Most visited pages on the website bases on views

	Page Title	New Users	Pageviews
1.	Zone 7 Water Agency - the Tri-Valley regi...	1,113	2,115
2.	Examples of a Water Cycle Story - Zone 7 ...	763	1,177
3.	How to Find, Fill & Use Sandbags - Zone ...	546	942
4.	4. Label the Water Cycle - Zone 7 Water A...	379	467
5.	Historic Flood Photos - Zone 7 Water Age...	248	347
6.	Get Flood Ready - Zone 7 Water Agency	239	346
7.	Lessons Middle School - Groundwater - Z...	229	413
8.	Construction & Business Opportunities - ...	138	502
9.	Notice of Board Vacancy - Now Acceptin...	136	260
10.	Page not found - Zone 7 Water Agency	118	216

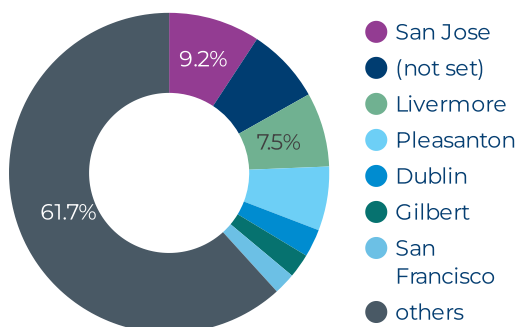
## Total Users and Device



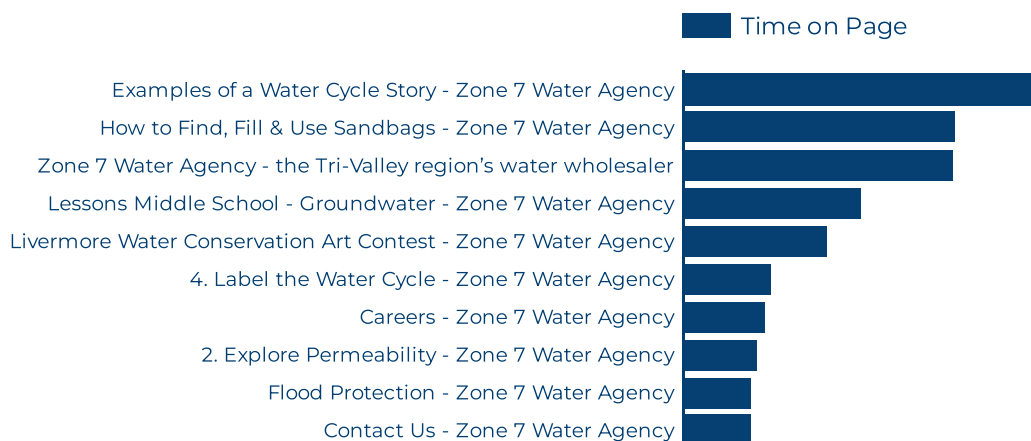
## Acquisition source/medium based on total users

	Source / Medium	Users	New Users
1.	google / organic	2,713	2,505
2.	(direct) / (none)	2,170	2,089
3.	classroom.google.com / referral	168	163
4.	bing / organic	141	114
5.	m.facebook.com / referral	122	119
6.	cityofpleasantonca.gov / referral	75	68
7.	dsrsd.com / referral	51	42
8.	yahoo / organic	39	35
9.	livermoreca.gov / referral	36	33
10.	duckduckgo.com / referral	33	26

## Total Users and City



## Pages with the most time spent by users





# Zone 7 Website Insights | January 2022

## January Insights

- The majority of the highlighted analytics increased for the month of January. This can be due to the increase in posting on Facebook and driving traffic to the website for flood preparedness tips and information. There was an average of 76% increase for the January metrics compared to December.
- New users made up 95% of total users visiting the site. The total users also rose 78% since December. This can be attributed to more frequent postings on Facebook and retailers sharing social posts across platforms.
- The top referrals for January are Google, directly typing the site into the browser and Google classroom. These top three referrals make up almost 90% of traffic coming to the site.
- Compared to December, Pageviews increased by 109% totaling 15,200 for the month of January. The most visited pages are the main landing page, the Fifth-Grade Lesson Plan and How to Find, Fill and Use Sandbags.
- The pages where users are spending the longest amount of time include Examples of a Water Cycle, Sandbags, Groundwater Lessons and Livermore Art Contest.
- San Jose was the top city that users were from. Other major cities include Livermore, Pleasanton, Dublin, San Francisco and San Ramon.
- 60% of users interacted with the site on a desktop device.

# Zone 7 Facebook & Media Pages | Jan. 2022

## Facebook Snapshot Analytics



### Posts table

DATE	MESSAGE	REACTIONS
Zone 7 Water Agency Jan 05, 18:20	Zone 7 Water Agency is filling a vacant seat on the Board of Directors. Get details on how to apply for this appointment at <a href="https://bit.ly/3vFA0Fn">https://bit.ly/3vFA0Fn</a>	18
Zone 7 Water Agency Jan 07, 20:03	A great training opportunity but also a good reminder to stay away from arroyos and swift moving water so our hard working first responders and emergency crews don't have to put these rescue skills to use.	7
Zone 7 Water Agency Jan 17, 20:29	We're enjoying this bout of sunshine, but there are still a few areas recovering from recent flooding to be watchful for. Details in the post below.	6
Zone 7 Water Agency Jan 04, 18:30	Please note Sycamore Grove is closed due to flooding. Residents are advised to stay off all Tri Valley trails for safety reasons. The trails are muddy and unsafe. Mudslides, flooding and downed trees aren't worth the risk. Let's not give our first responders and emergency workers any more to worry about...	6
Zone 7 Water Agency Jan 12, 22:25	Thursday Weather Update ☀️ Hello sun! Enjoy the break in the rain because another storm system is moving in tomorrow with heavy rain and high winds. Please be prepared for potential flooding, downed trees and power outages and heed caution. The California Department of Water Resources...	5
Zone 7 Water Agency Jan 08, 18:55	We're all enjoying a little break in the storms, but more wet and windy weather is on the way. If you need sandbags, we have sand and bags available at our three stations each in Pleasanton, Livermore and Sunol. For location information visit <a href="http://www.zone7water.com/sandbags">www.zone7water.com/sandbags</a> It's a nice day to get some...	5
Zone 7 Water Agency Jan 01, 00:13	(Post with no description)	5
Zone 7 Water Agency Jan 08, 21:12	💧 Park remains closed until further notice 💧 (1/8/23)	4
Zone 7 Water Agency	The Livermore-Pleasanton Fire Department wants to remind everyone of the dangers of driving or	4

### Video views table

DATE	VIDEO DESCRIPTION	REACH	VIEWS
Zone 7 Water Agency Jan 03, 17:23	Zone 7 is currently out of sandbags at all locations. We apologize for the inconvenience. A delivery of a limited quantity is expected this afternoon. Please follow our page...	107	0
Zone 7 Water Agency Jan 01, 00:13	(Post with no description)	99	49
Zone 7 Water Agency Jan 07, 02:34	We now have sand and bags available for filling sandbags at 3 locations. You can find stations in Livermore, Pleasanton and Sunol. Please bring a shovel, rain gear, and a flashlight if goi...	64	0
Zone 7 Water Agency	Too cold to be outside? We've got an indoor activity for you. It's a great time to check and fix leaks around the house. That	47	18

## Insights

- In January there was a large increase in posts and fans for the Facebook page. The large increase in posts is due to the rain event and flooding in the Tri-Valley. Posts were shared to provide resources and updates to customers. Although clicks and impressions were down for January, there was still a high number of engagement from users.
- Top January social media posts include the promotion of a board vacancy, shared media from retailers and emergency services, as well as resources for sandbags and flood preparedness.
- YouTube video views increased by 43% compared to December. Impressions also increased for the month of January. Ozone treatment continues to rank as the top-watched video of the month. Other top videos include Flood Ready Freddy and Tri-Valley Water's Journey.
- Two Mailchimp eblasts were sent in January with a total of 117 clicks and just under a 50% open rate.

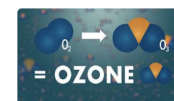
## Mailchimp Delivery Analytics

Total Eblasts Sent	2	Avg. Open Rate %	43%
Total Deliveries	1,647	Total Clicks	117

## Youtube Analytics

Video Views	740	Impressions	8K
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### Top 3 videos of January



Wondrous World of Water - Ozone Treatment  
Sep 2, 2020



Flood Ready Freddy - Know Your Zone  
Oct 21, 2020



Tri-Valley Water Partners - Water's Journey  
Jul 29, 2022

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

**AGENDA DATE:** February 15, 2023

**SUBJECT:** Legislative Update

**SUMMARY:**

Zone 7 staff, with the support of Agency consultants, monitors legislation that is being considered in Sacramento, as well as other political and regulatory activities of interest. This item supports Strategic Plan, Goal F – Stakeholder Engagement, engage our stakeholders to foster understanding of their needs, the Agency, and its function. California’s Assembly, Senate, and Committees began their two-year legislative cycle in January 2023. Many bills are still under proposal and are being evaluated for moving forward to print. The attached is the legislative executive summary of bills of potential interest that are in print or have been assigned to a committee.

**FUNDING:**

N/A

**RECOMMENDED ACTION:**

Information only.

**ATTACHMENT:**

Gualco Legislative Executive Summary – As of February 3, 2023



**EXECUTIVE SUMMARY**

**State Legislation**

**Prepared for the Zone 7 Water Agency  
by The Gualco Group, Inc.**



Bill	Topic	Synopsis	Staff Recommendation	Status of the Bill/Comments as of 02/3/2023
<a href="#"><u>AB 30 (Ward)</u></a>	<b>Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program</b>	<p>Current law establishes the Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program in the Department of Water Resources. Current law requires the department, upon an appropriation for purposes of the program, to research climate forecasting and the causes and impacts that climate change has on atmospheric rivers, to operate reservoirs in a manner that improves flood protection, and to reoperate flood control and water storage facilities to capture water generated by atmospheric rivers. This bill would rename that program the Atmospheric Rivers Research and Forecast Improvement Program: Enabling Climate Adaptation Through Forecast-Informed Reservoir Operations and Hazard Resiliency (AR/FIRO) Program. The bill would require the department to research, develop, and implement new observations, prediction models, novel forecasting methods, and tailored decision support systems to improve predictions of atmospheric rivers and their impacts on water supply, flooding, post-wildfire debris flows, and environmental conditions.</p>	<p>Watch</p>	<p>Assembly Committee on Water, Parks and Wildlife</p>

[AB 277](#)  
[\(Rodriguez\)](#)

**Extreme Weather  
Forecast and Threat  
Intelligence  
Integration Center**

This bill would require the Office of Emergency Services and the Department of Water Resources to jointly establish and lead the Extreme Weather Forecast and Threat Intelligence Integration Center for the purpose of collecting, assessing, and analyzing extreme weather data and atmospheric conditions, as specified. The bill would require that the center be composed of representatives from specified organizations and would authorize the office and the department to invite other organizations to designate additional representatives, as specified.

Watch

In Print

[AB 305](#)  
[\(Villapudua\)](#)

**California Flood  
Protection Bond Act of  
2024**

Under current law, various general obligation bond acts have been approved by the voters to provide funds for water projects, facilities, and programs. This bill would express the intent of the Legislature to enact subsequent legislation for a flood protection general obligation bond act, in an unspecified amount, that would be known as the California Flood Protection Bond Act of 2024, and would be submitted to the voters at the next general election.

Watch

In Print

[SB 23](#)  
[\(Caballero\)](#)

**Water supply and flood  
risk reduction projects:  
expedited permitting**

The California Safe Drinking Water Act provides for the operation of public water systems and imposes on the State Water Resources Control Board various duties and responsibilities for the regulation and control of drinking water in the state, including, among other things, overseeing the issuance and enforcement of public water system permits, as provided. Current law authorizes specified works of improvement for the control, conservation, and utilization of destructive flood waters and the reclamation and protection of lands that are susceptible to overflow by flood waters. This bill would express the intent of the Legislature to enact subsequent legislation to expedite the regulatory permitting process for water supply and flood risk reduction projects, as provided.

Watch

Senate  
Committee on  
Rules



**ORIGINATING SECTION:** Engineering  
**CONTACT:** Mona Olmsted/Jeff Tang/Jarnail Chahal

**AGENDA DATE:** February 15, 2023

**SUBJECT:** Capital Projects Status Report

In support of Zone 7's mission to deliver safe, reliable, efficient, and sustainable water and flood protection services, specifically in support of Strategic Plan Initiatives 3, 4, 5, 6 and 9, the Engineering staff plans, performs, and manages design and construction activities for the majority of the water supply conveyance, production, and delivery projects as well as the flood protection capital projects in Zone 7's Capital Improvement Program (CIP).

Attached is a table showing the status of key capital projects for which the Engineering staff is responsible.

## Engineering Projects Status Report – February 15, 2023

### Water Supply System Projects:

Project Name/Purpose	Scope/Funding Source	Project Cost and Budget	Target Dates / Operating Impact	Current Status																
<p><b>Valley Booster Pump Station Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>Improves ability to deliver more well water to the east side of the system during times of limited surface water availability.</li> <li>Increases capacity of the wells and reduces strain on pipelines and wells by lowering operating pressures.</li> <li>Improves water system reliability and reduces chances of needing unplanned expensive repairs.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>As recommended by the 2016 Transmission System Planning Update, the project scope includes design and construction of an inline booster pump station located at the Busch Valley site along the Vineyard Pipeline. Electrical equipment and piping to support an emergency pump station or a permanent booster pump station was installed at this site in 2015.</li> </ul> <p><b>Funding Source:</b></p> <ul style="list-style-type: none"> <li>100% from Fund 120 – Renewal/Replacement and System Wide Improvements</li> </ul>	<p><b>Original Total Cost Estimate:</b> \$5,890,000</p> <p><b>Current Total Estimated Project Cost:</b> \$8,500,000</p> <p><b>Total Budget:</b> \$8,500,000</p> <p><b>Total Expenditures:</b> \$7,060,000</p> <table border="1" data-bbox="852 792 1251 987"> <thead> <tr> <th colspan="2">Planning &amp; Design Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$850,000</td> </tr> <tr> <td>% Spent</td> <td>94%</td> </tr> <tr> <td>% Complete</td> <td>100%</td> </tr> </tbody> </table> <table border="1" data-bbox="852 1027 1251 1222"> <thead> <tr> <th colspan="2">Construction Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$7,650,000</td> </tr> <tr> <td>% Spent</td> <td>82%</td> </tr> <tr> <td>% Complete</td> <td>99%</td> </tr> </tbody> </table>	Planning & Design Phase Costs		Budget	\$850,000	% Spent	94%	% Complete	100%	Construction Phase Costs		Budget	\$7,650,000	% Spent	82%	% Complete	99%	<p><b>Design:</b> February 2022</p> <p><b>Construction:</b> August 2022</p> <p><b>Closeout:</b> November 2022</p> <p><b>Projected Operating Impact:</b> Improved operational flexibility and system reliability, increased well production, reduced untimely future repair costs with less stress on well production and pipelines.</p>	<p>Construction of the original scope is complete. The pump station has been operational for several months and performs very well. A change order to add a seventh pump has been executed in order to increase capacity of the station. The contractor, Conco West, has started procurement of the pump and ancillary equipment, expecting work to be complete in Summer 2023. Closeout of the original scope of work is nearly complete; however, the contract will remain open until the change order work is complete. Staff anticipates that, once the project is completely closed out, total expenses will be approximately \$500,000 under the original budget of \$8.5 million.</p>
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Project Name/Purpose	Scope/Funding Source	Project Cost and Budget	Target Dates / Operating Impact	Current Status																
<p><b>Chain of Lakes (COL) PFAS Treatment Facility Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>• Add PFAS treatment to the COL wells (1, 2, and 5) on the existing COL 1 facility site.</li> <li>• Based on water sampling results at the COL Wellfield at or above the Response Level (RL) for PFHxS issued by the State Division of Drinking Water on October 31, 2022. PFAS treatment is needed to bring the COL wells back into service.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>• Addition of several trains of pressure vessels (6-10) containing either granular activated carbon (GAC) or ion exchange (IX) resin for the removal of PFAS. Additional piping, instrumentation, electrical and other site improvements.</li> </ul> <p><b>Funding Source:</b></p> <ul style="list-style-type: none"> <li>• 100% of design cost is funded from Fund 120 – Renewal/Replacement and System Wide Improvements</li> <li>• Construction cost (~\$26.0M) to be financed through bonds</li> </ul>	<p><b>Original Total Cost Estimate (2021):</b> \$25,800,000</p> <p><b>Current Total Estimated Project Cost:</b> \$28,200,000</p> <p><b>Total Budget:</b> \$3,000,000</p> <p><b>Total Expenditures:</b> \$1,630,000</p> <table border="1" data-bbox="852 675 1278 873"> <thead> <tr> <th colspan="2">Planning &amp; Design Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$2,200,000</td> </tr> <tr> <td>% Spent</td> <td>74%</td> </tr> <tr> <td>% Complete</td> <td>100%</td> </tr> </tbody> </table> <table border="1" data-bbox="852 951 1278 1263"> <thead> <tr> <th colspan="2">Construction Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$26,000,000 (anticipated bond funding)</td> </tr> <tr> <td>% Spent</td> <td>0%</td> </tr> <tr> <td>% Complete</td> <td>0%</td> </tr> </tbody> </table>	Planning & Design Phase Costs		Budget	\$2,200,000	% Spent	74%	% Complete	100%	Construction Phase Costs		Budget	\$26,000,000 (anticipated bond funding)	% Spent	0%	% Complete	0%	<p><b>Design:</b> October 2022</p> <p><b>Construction:</b> August 2024</p> <p><b>Closeout:</b> October 2024</p> <p><b>Projected Operating Impact:</b> The project is necessary for continued use of COL wells while meeting PFAS regulations. The operations and maintenance cost will increase due to the addition of a new treatment facility.</p>	<p>100% design documents are complete. The Board authorized a reimbursement resolution at the January 2023 meeting related to bond issuance for project related costs. Staff is advertising the construction contract for public bidding and plans to recommend award of the construction phase contracts (construction, engineering services during construction, construction management) at the April Board meeting. The treatment facility is estimated to be functional with the Chain of Lakes wells returned to service in summer 2024.</p>
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Project Name/Purpose	Scope/Funding Source	Project Cost and Budget	Target Dates / Operating Impact	Current Status																
<p><b>DVWTP Roadway/Parking Lot Repairs and Post-Ozone Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>Planned repairs/modifications to the existing roadway/parking lot and to plant systems will maintain water system reliability and help avoid untimely and expensive repairs.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>Roadway and parking lot rehabilitation were identified in the Asset Management Program (AMP).</li> <li>Project includes installing a retaining wall, widening the fill alleyway for chemical delivery trucks, and repairing the main parking lot.</li> <li>Post-ozonation work not previously identified includes modifications to the overflow weir, sodium hypochlorite system, filter backwash pumps, and chemical tanks.</li> </ul> <p><b>Funding Source:</b></p> <ul style="list-style-type: none"> <li>100% Fund 120 – Renewal/Replacement and System Wide Improvements</li> </ul>	<p><b>Original Total Cost Estimate (pre-2017):</b> \$2,750,000</p> <p><b>Current Total Estimated Project Cost:</b> \$2,750,000</p> <p><b>Total Budget:</b> \$2,750,000</p> <p><b>Total Expenditures:</b> \$1,720,000</p> <table border="1" data-bbox="852 636 1251 834"> <thead> <tr> <th colspan="2">Planning &amp; Design Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$190,000</td> </tr> <tr> <td>% Spent</td> <td>100%</td> </tr> <tr> <td>% Complete</td> <td>100%</td> </tr> </tbody> </table> <table border="1" data-bbox="852 873 1251 1071"> <thead> <tr> <th colspan="2">Construction Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$2,560,000</td> </tr> <tr> <td>% Spent</td> <td>60%</td> </tr> <tr> <td>% Complete</td> <td>60%</td> </tr> </tbody> </table>	Planning & Design Phase Costs		Budget	\$190,000	% Spent	100%	% Complete	100%	Construction Phase Costs		Budget	\$2,560,000	% Spent	60%	% Complete	60%	<p><b>Design:</b> May 2021</p> <p><b>Construction:</b> April 2023</p> <p><b>Closeout:</b> May 2023</p> <p><b>Projected Operating Impact:</b> Improved operational flexibility and reliability of the treatment plant, reduced untimely future repair costs, and improved worker safety.</p>	<p>The original project scope is complete, with the exception of punch list and warranty items.</p> <p>Staff is finalizing a request for quotation for additional related work to modify the parking lot drainage and other minor modifications.</p>
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<b>Project Name/Purpose</b>	<b>Scope/Funding Source</b>	<b>Project Cost and Budget</b>	<b>Target Dates / Operating Impact</b>	<b>Current Status</b>																
<p><b>DVWTP Polymer Mixing System Replacement Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>• Replace existing outdated polymer mixing and feed system subject to periodic failure with more reliable and automated system.</li> <li>• New location is more accessible for maintenance.</li> <li>• Reliable and modernized equipment is expected to greatly reduce frequency of spills and cleanup of containment area.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>• This mixing system is identified in the Asset Management Program (AMP) and verified by condition assessment to be nearing the end of its useful life and in need of replacement.</li> <li>• Replacement includes a dry hopper system with automatic feed into the mixing tank, new chemical feed pumps, piping and appurtenances, and ventilation as well as other items needed to make a complete and functional system.</li> </ul> <p><b>Funding Source:</b></p> <ul style="list-style-type: none"> <li>• 100% Fund 120 – Renewal/Replacement and System Wide Improvements</li> </ul>	<p><b>Original Total Cost Estimate (pre-2017):</b> \$550,000</p> <p><b>Current Total Estimated Project Cost:</b> \$855,000</p> <p><b>Total Budget:</b> \$855,000</p> <p><b>Total Expenditures:</b> \$775,000</p> <table border="1" data-bbox="852 636 1251 834"> <thead> <tr> <th colspan="2"><b>Planning &amp; Design Phase Costs</b></th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$150,000</td> </tr> <tr> <td>% Spent</td> <td>100%</td> </tr> <tr> <td>% Complete</td> <td>100%</td> </tr> </tbody> </table> <table border="1" data-bbox="852 873 1251 1071"> <thead> <tr> <th colspan="2"><b>Construction Phase Costs</b></th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$705,000</td> </tr> <tr> <td>% Spent</td> <td>89%</td> </tr> <tr> <td>% Complete</td> <td>95%</td> </tr> </tbody> </table>	<b>Planning &amp; Design Phase Costs</b>		Budget	\$150,000	% Spent	100%	% Complete	100%	<b>Construction Phase Costs</b>		Budget	\$705,000	% Spent	89%	% Complete	95%	<p><b>Design:</b> March 2021</p> <p><b>Construction:</b> April 2023</p> <p><b>Closeout:</b> May 2023</p> <p><b>Projected Operating Impact:</b> Reduced O&amp;M cost due to easier maintenance, improved system reliability, reduced untimely future repair costs, and improved worker safety.</p>	<p>For economies of scale and scheduling of work, the construction work for this project was combined with DVWTP Roadway/Parking Lot Repairs and Post-Ozone Project.</p> <p>Operations took beneficial use of the polymer mixing system in June 2022. Punch list items remain.</p>
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Project Name/Purpose	Scope/Funding Source	Project Cost and Budget	Target Dates / Operating Impact	Current Status																
<p><b>MGDP Concentrate Conditioning Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>Installation of a continuous acid injection feed system for concentrate pH adjustment will help avoid future scale build-up and reduce the need for future batch cleaning.</li> <li>Proactively adjusting pH will also provide ability to control pH to meet brine discharge permit pH limits and improve plant reliability.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>Project scope includes design, environmental review, and construction of an acid storage and feed system in an existing space in the adjacent Mocho 4 well building at the MGDP site. This existing space was formerly used for onsite generation of sodium hypochlorite (NaOCl). NaOCl is now fed from MGDP to Mocho 4 when that well is in production. New concentrate sump pumps and VFDs are included in this scope.</li> </ul> <p><b>Funding Source:</b></p> <ul style="list-style-type: none"> <li>100% from Fund 120 – Renewal/Replacement and System Wide Improvements</li> </ul>	<p><b>Original Total Cost Estimate:</b> \$2,200,000</p> <p><b>Current Total Estimated Project Cost:</b> \$7,840,000</p> <p><b>Total Budget:</b> \$8,320,000</p> <p><b>Total Expenditures:</b> \$1,793,000</p> <table border="1" data-bbox="852 597 1272 795"> <thead> <tr> <th colspan="2">Planning &amp; Design Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$810,000</td> </tr> <tr> <td>% Spent</td> <td>100%</td> </tr> <tr> <td>% Complete</td> <td>100%</td> </tr> </tbody> </table> <table border="1" data-bbox="852 834 1272 1032"> <thead> <tr> <th colspan="2">Construction Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$7,030,000</td> </tr> <tr> <td>% Spent</td> <td>14%</td> </tr> <tr> <td>% Complete</td> <td>14%</td> </tr> </tbody> </table> <p>Board approved increase to original estimate due to spatial constraints at the site and the need to demolish and reconstruct a former sodium hypochlorite storage area of the Mocho 4 well due to updated codes.</p>	Planning & Design Phase Costs		Budget	\$810,000	% Spent	100%	% Complete	100%	Construction Phase Costs		Budget	\$7,030,000	% Spent	14%	% Complete	14%	<p><b>Planning:</b> September 2020</p> <p><b>Design:</b> June 2022</p> <p><b>Construction:</b> September 2023</p> <p><b>Closeout:</b> November 2023</p> <p><b>Projected Operating Impact:</b> Increased operational reliability. Increase in operating cost. Reduced frequency of future batch cleaning costs for concentrate pipeline.</p>	<p>The contractor, Mountain Cascade, has installed the new sump pumps and variable frequency drives (VFDs) and is working on demolition of the unused building where the new chemical building will be constructed.</p>
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% Complete	14%																			

Project Name/Purpose	Scope/Funding Source	Project Cost and Budget	Target Dates / Operating Impact	Current Status																
<p><b>North Canyons Building HVAC Renewal/ Replacement Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>Existing HVAC system is nearing the end of its useful life.</li> <li>Replacing aging HVAC system infrastructure will provide system reliability, improve energy efficiency, improve air filtration, and help avoid untimely and expensive repairs.</li> </ul>	<p><b>Scope:</b> This project replaces the North Canyons Building HVAC system, which includes the boiler, HVAC units, temperature controls, piping, and valves. Some modifications to duct work are also expected.</p> <p><b>Funding Source:</b> This project is funded by a combination of:</p> <ul style="list-style-type: none"> <li>76% from Fund 120 - Renewal/Replacement and System Wide Improvements</li> <li>3% from Fund 130 - Expansion</li> <li>20% from Fund 200 - General Fund Flood Control</li> <li>1% Fund 210 - Flood Protection and Stormwater Drainage</li> </ul>	<p><b>Original Total Cost Estimate:</b> \$1,750,000</p> <p><b>Current Total Estimated Project Cost:</b> \$2,100,000</p> <p><b>Total Budget:</b> \$2,150,000</p> <p><b>Total Expenditures:</b> \$1,985,000</p> <table border="1" data-bbox="854 638 1278 834"> <thead> <tr> <th colspan="2">Planning &amp; Design Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$383,000</td> </tr> <tr> <td>% Spent</td> <td>100%</td> </tr> <tr> <td>% Complete</td> <td>100%</td> </tr> </tbody> </table> <table border="1" data-bbox="854 873 1278 1070"> <thead> <tr> <th colspan="2">Construction Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$1,717,000</td> </tr> <tr> <td>% Spent</td> <td>93%</td> </tr> <tr> <td>% Complete</td> <td>99%</td> </tr> </tbody> </table>	Planning & Design Phase Costs		Budget	\$383,000	% Spent	100%	% Complete	100%	Construction Phase Costs		Budget	\$1,717,000	% Spent	93%	% Complete	99%	<p><b>Planning:</b> November 2019</p> <p><b>Design:</b> October 2020</p> <p><b>Bidding &amp; Award Phase:</b> January 2021</p> <p><b>Construction:</b> April 2022</p> <p><b>Closeout:</b> February 2023</p> <p><b>Projected Operating Impact:</b> Reduced power cost and improved operational reliability and performance.</p>	<p>Start-Up and Commissioning was completed on October 14, 2022. Contractor continues to work on a few remaining minor punch list items.</p>
Planning & Design Phase Costs																				
Budget	\$383,000																			
% Spent	100%																			
% Complete	100%																			
Construction Phase Costs																				
Budget	\$1,717,000																			
% Spent	93%																			
% Complete	99%																			

<b>Project Name/Purpose</b>	<b>Scope/Funding Source</b>	<b>Project Cost and Budget</b>	<b>Target Dates / Operating Impact</b>	<b>Current Status</b>																
<p><b>PPWTP Upgrades and Ozonation Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>• Add ozone treatment to improve treated water quality and production reliability.</li> <li>• Expand plant production capacity from 12 to 24 MGD to meet water demand and increase production reliability. Provide production redundancy in case of DVWTP shutdowns.</li> <li>• Increase treated water storage capacity from 2 MG to 7 MG to provide operational flexibility and meet daily peaking demands.</li> </ul>	<p><b>Scope:</b> This project combines two CIP projects, the PPWTP Upgrades Project and the PPWTP Ozonation Project, and consists of:</p> <ul style="list-style-type: none"> <li>• Construction of new facilities including an ozone generation building, contactor structures, six filters, chemical storage and feed facilities, a 5 MG treated water storage tank, a pump station, new plant entrance, and new emergency generator</li> <li>• Demolition of UF facilities and modification of existing clarifiers, wash water recovery ponds, and chemical facilities</li> </ul> <p><b>Funding Sources:</b> This project is funded by a combination of water rates, new connection fees, and bonds:</p> <ul style="list-style-type: none"> <li>• PPWTP Upgrades Project: \$65M split 30% Fund 120, 70% Fund 130</li> </ul>	<p><b>Original Total Cost Estimate (2017):</b> \$62,000,000</p> <p><b>Current Total Estimated Project Cost:</b> \$110,000,000</p> <p><b>Total Budget:</b> \$110,000,000</p> <p><b>Total Expenditures:</b> \$103,100,000</p> <table border="1" data-bbox="852 638 1274 834"> <thead> <tr> <th colspan="2"><b>Planning &amp; Design Phase Costs</b></th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$6,000,000</td> </tr> <tr> <td>% Spent</td> <td>100%</td> </tr> <tr> <td>% Complete</td> <td>100%</td> </tr> </tbody> </table> <table border="1" data-bbox="852 873 1274 1070"> <thead> <tr> <th colspan="2"><b>Construction Phase Costs</b></th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$104,000,000</td> </tr> <tr> <td>% Spent</td> <td>94%</td> </tr> <tr> <td>% Complete</td> <td>95%</td> </tr> </tbody> </table>	<b>Planning &amp; Design Phase Costs</b>		Budget	\$6,000,000	% Spent	100%	% Complete	100%	<b>Construction Phase Costs</b>		Budget	\$104,000,000	% Spent	94%	% Complete	95%	<p><b>Design:</b> November 2018</p> <p><b>Construction:</b> Fall 2022</p> <p><b>Closeout:</b> Anticipated Winter 2022/2023</p> <p><b>Projected Operating Cost Impact:</b> Approximately \$1 million net increase in annual operating and maintenance costs to operate ozone system and pump station. Reduction in repair costs due to upgrade or replacement of aging facilities such as filters, UF plant, washwater recovery systems, and electrical and chemical systems.</p>	<p>The contractor, Overaa, is completing punch list items and remaining minor work. The ozone system manufacturer, Suez, has been on-site, fine-tuning the ozone equipment. The project team is working toward completing the acceptance testing of the ozone system and closing out the project.</p> <p><b>Change Order Status:</b> All negotiated and executed change orders for the project total \$4.8M to date (6.3% of original contract amount). The project team is working to resolve the remaining change order amounts. Staff and Psomas, the construction management firm on the project, are reviewing and disputing two claims submitted by Overaa.</p>
<b>Planning &amp; Design Phase Costs</b>																				
Budget	\$6,000,000																			
% Spent	100%																			
% Complete	100%																			
<b>Construction Phase Costs</b>																				
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% Spent	94%																			
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<b>Project Name/Purpose</b>	<b>Scope/Funding Source</b>	<b>Project Cost and Budget</b>	<b>Target Dates / Operating Impact</b>	<b>Current Status</b>
<ul style="list-style-type: none"> <li>Replace or upgrade many major plant components that are reaching the end of their useful lives to improve plant reliability and reduce untimely and expensive future repair costs.</li> </ul>	<ul style="list-style-type: none"> <li>PPWTP Ozonation Project: \$45M split 50% Fund 120, 50% Fund 130; \$19M of Fund 120's share of the PPWTP Ozonation Project's construction phase is bond financed.</li> </ul>			

Project Name/Purpose	Scope/Funding Source	Project Cost and Budget	Target Dates / Operating Impact	Current Status								
<p><b>Pipeline Inspection Program Study</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>The study will develop a routine inspection program for the aging water supply transmission infrastructure.</li> <li>Routine inspections and assessments will help maintain a reliable water transmission system and avoid untimely and expensive repairs.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>Zone 7 has, in the past, completed pipeline Vulnerability, Criticality and Risk Assessments to develop condition assessment and corrosion protection Programs. This Study will review and update the past studies and help develop a pipeline inspection program and recommend necessary improvements to implement the inspection program.</li> </ul> <p><b>Funding Source:</b></p> <ul style="list-style-type: none"> <li>100% from Fund 120 – Renewal/Replacement and System Wide Improvements</li> </ul>	<p><b>Original Total Cost Estimate (2019):</b> \$250,000</p> <p><b>Current Total Estimated Project Cost:</b> \$250,000</p> <p><b>Total Budget:</b> \$250,000</p> <p><b>Total Expenditures:</b> \$130,000</p> <table border="1" data-bbox="852 597 1251 797"> <thead> <tr> <th colspan="2">Planning &amp; Study Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$250,000</td> </tr> <tr> <td>% Spent</td> <td>52%</td> </tr> <tr> <td>% Complete</td> <td>75%</td> </tr> </tbody> </table>	Planning & Study Phase Costs		Budget	\$250,000	% Spent	52%	% Complete	75%	<p><b>Planning:</b> January 2020</p> <p><b>Study:</b> January 2023</p> <p><b>Closeout:</b> June 2023</p> <p><b>Projected Operating Impact:</b> The study may lead to increased proactive maintenance to minimize risk of emergency repairs.</p>	<p>A draft study has been completed by our consultant, HDR. The general concept is to provide ingress/egress ports and perform inspections by inserting probes/equipment into the pipelines.</p> <p>Zone 7 staff is reviewing the locations and costs for the recommended ingress/egress ports for probe/equipment insertion. Additional time is needed to gather/refine cost estimates to complete the study. Staff plans to finalize the study and incorporate the results into the next Asset Management Plan (AMP).</p>
Planning & Study Phase Costs												
Budget	\$250,000											
% Spent	52%											
% Complete	75%											

Project Name/Purpose	Scope/Funding Source	Project Cost and Budget	Target Dates / Operating Impact	Current Status								
<p><b>Stoneridge PFAS Treatment Facility Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>• Improve water quality by removing PFHxS to below detection level at Stoneridge Well, keeping the water quality in compliance with the DDW issued response level (RL).</li> <li>• Allows Stoneridge Well to return to operation upon project completion, helping Zone 7 continue to meet its water demand obligations.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>• Install three trains (6 vessels) consisting of Ion Exchange (IX) media and two pretreatment cartridge filters.</li> <li>• Work includes construction of the three trains of treatment pressure vessels, installation of a new rate control station on site, piping modifications to and from the well, chemical injection modifications, installation of a new electrical building, and new electrical and instrumentation for the PFAS facility.</li> </ul> <p><b>Funding Source:</b></p> <ul style="list-style-type: none"> <li>• 100% from Fund 120 – Renewal/Replacement and System Wide Improvements</li> </ul>	<p><b>Original Total Cost Estimate:</b> \$16,300,000</p> <p><b>Current Total Estimated Project Cost:</b> \$16,300,000</p> <p><b>Total Budget:</b> \$16,300,000</p> <p><b>Total Expenditures:</b> \$977,500</p> <table border="1" data-bbox="852 716 1268 987"> <thead> <tr> <th colspan="2">Planning, Design &amp; Construction Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$16,300,000</td> </tr> <tr> <td>% Spent</td> <td>6%</td> </tr> <tr> <td>% Complete</td> <td>10%</td> </tr> </tbody> </table>	Planning, Design & Construction Phase Costs		Budget	\$16,300,000	% Spent	6%	% Complete	10%	<p><b>Design:</b> April 2023</p> <p><b>Construction (Functional):</b> Summer 2023</p> <p><b>Construction (Final):</b> January 2024</p> <p><b>Closeout:</b> February 2024</p> <p><b>Projected Operating Impact:</b> Improved water quality, improved reliability, and increased operational flexibility. Increased operating cost of approximately \$150,000 per year in filter media replacement costs.</p>	<p>Staff, Conco West, and Carollo (Conco’s design engineering subcontractor) have been working together on design progression. Current facility design is near the 30% stage. Contractor continues providing construction submittals, with long lead time items taking priority. Groundbreaking activities are tentatively scheduled to begin in early February. Staff submitted an application to PG&amp;E for potential transformer upsizing and electrical panel replacement. Staff have also been working with AT&amp;T to get fiber optic to the site, which will vastly improve SCADA communications.</p> <p>Function completion of the facility (online and treating for PFAS removal) is scheduled for late Summer 2023.</p>
Planning, Design & Construction Phase Costs												
Budget	\$16,300,000											
% Spent	6%											
% Complete	10%											



Project Name/Purpose	Scope/Funding Source	Project Cost and Budget	Target Dates / Operating Impact	Current Status								
<p><b>Wells &amp; MGD Electrical Upgrades/ Replacement Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>Replaces electrical equipment at several well sites that is at or approaching the end of its useful life.</li> <li>Ensures reliable water production from groundwater wells.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>Replace seven (7) variable frequency drives (VFDs) at the Mocho Groundwater Demineralization Plant (MGDP) facility; replace two (2) VFDs at the Chain of Lakes (COL) 1 and 2 wells; and replace electrical switchgear and motor control center (MCC) at Mocho 2, Stoneridge, Hopyard 6 and Hopyard 9 wells.</li> </ul> <p><b>Funding Source:</b></p> <ul style="list-style-type: none"> <li>100% from Fund 120 – Renewal/Replacement and System Wide Improvements</li> </ul>	<p><b>Original Total Cost Estimate:</b> \$7,340,000</p> <p><b>Current Total Estimated Project Cost:</b> \$7,340,000</p> <p><b>Total Budget:</b> \$7,340,000</p> <p><b>Total Expenditures:</b> \$112,000</p> <table border="1" data-bbox="852 638 1270 911"> <thead> <tr> <th colspan="2">Planning &amp; Design &amp; Construction Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$7,340,000</td> </tr> <tr> <td>% Spent</td> <td>2%</td> </tr> <tr> <td>% Complete</td> <td>5%</td> </tr> </tbody> </table>	Planning & Design & Construction Phase Costs		Budget	\$7,340,000	% Spent	2%	% Complete	5%	<p><b>Design:</b> May 2023</p> <p><b>Construction:</b> February 2024</p> <p><b>Closeout:</b> March 2024</p> <p><b>Projected Operating Impact:</b> Improved water production reliability and increased operational flexibility.</p>	<p>The contractor, Conco West, continues with construction submittals for long lead time electrical items. The VFD that Zone 7 pre-purchased for Chain of Lakes (COL) well 1 has been delivered. The VFD for COL well 2 is still in final assembly with the manufacturer awaiting one last breaker to complete the VFD. Delivery date is projected to be in late February. Staff have been coordinating with PG&amp;E and submitted applications for power shutdown at each of the well sites so that the electrical panels can be removed and replaced.</p>
Planning & Design & Construction Phase Costs												
Budget	\$7,340,000											
% Spent	2%											
% Complete	5%											

## Engineering Projects Status Report – February 15, 2023

### Flood Protection System Projects:

Project Name/Purpose	Scope/Funding Source	Project Cost and Budget	Target Dates / Operating Impact	Current Status																
<p><b>Arroyo Mocho Medeiros Reach Floodplain Reconnection Project</b> (Arroyo Mocho Floodplain and Riparian Forest Restoration Project at Medeiros Parkway)</p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>• Create flood attenuation along Arroyo Mocho.</li> <li>• Design so as not to preclude City of Livermore’s Oak Grove Nature Reserve (OGNR) Master Plan.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>• Lower the Arroyo Mocho bike path and berm to allow flood flows to enter OGNR.</li> <li>• Targeted invasive species removal throughout Medeiros Reach.</li> <li>• Improvements to existing dirt trails/access roads/fire breaks in OGNR</li> </ul> <p><b>Funding Source:</b> This project is funded by a combination of:</p> <ul style="list-style-type: none"> <li>• 43% Fund 200 – General Fund Flood Control.</li> <li>• 57% Fund 210- Flood Protection and Stormwater Drainage DIF.</li> <li>• \$500K California Natural Resources Agency River Parkways Grant.</li> </ul>	<p><b>Original Total Cost Estimate (2015):</b> \$6,640,000</p> <p><b>Current Total Estimated Project Cost:</b> \$2,260,000</p> <p><b>Total Budget:</b> \$2,700,000</p> <p><b>Total Expenditures:</b> \$1,881,200</p> <table border="1" data-bbox="884 789 1283 987"> <thead> <tr> <th colspan="2">Planning &amp; Design Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$1,500,000</td> </tr> <tr> <td>% Spent</td> <td>99%</td> </tr> <tr> <td>% Complete</td> <td>100%</td> </tr> </tbody> </table> <table border="1" data-bbox="884 1027 1283 1226"> <thead> <tr> <th colspan="2">Construction Phase Costs</th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$760,000</td> </tr> <tr> <td>% Spent</td> <td>50%</td> </tr> <tr> <td>% Complete</td> <td>90%</td> </tr> </tbody> </table>	Planning & Design Phase Costs		Budget	\$1,500,000	% Spent	99%	% Complete	100%	Construction Phase Costs		Budget	\$760,000	% Spent	50%	% Complete	90%	<p><b>Planning:</b> November 2016</p> <p><b>Design and Permitting:</b> 2021/2022</p> <p><b>Construction:</b> August 2022 - October 2022</p> <p><b>Closeout:</b> October 2023</p> <p><b>Projected Operating Impact:</b> Small increase in maintenance costs due to ownership of additional flood protection facilities.</p>	<p>Project improvements were completed in September 2022. Mitigation planting was completed in November 2022.</p> <p>Contractor will continue to monitor invasive species through October 15, 2023.</p> <p>Grant agreement with the California Natural Resources Agency was extended to December 2023.</p>
Planning & Design Phase Costs																				
Budget	\$1,500,000																			
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<b>Project Name/Purpose</b>	<b>Scope/Funding Source</b>	<b>Project Cost and Budget</b>	<b>Target Dates / Operating Impact</b>	<b>Current Status</b>																
<p><b>Combined Bank Slide Repairs from 2017 Storm Damage and FY 2020/21 Engineered Repairs – the Phase 3 Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>Repair of 18 bank slides (11 from 2017 storms and 7 from subsequent years) will help restore functionality and integrity of the flood protection system.</li> <li>The project will protect the channel banks and other assets from ongoing erosion and further bank failures, which is necessary to maintain channels flood water carrying capacity and to provide reliable flood control system.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>The Phase 3 Project includes repairing of 11 damaged sites resulting from the storms in early 2017 and 7 additional bank slides from subsequent years. Phase 3 includes the design, construction, environmental permitting, mitigation, and monitoring required.</li> <li>This project will include stabilization measures for the banks impacted such as riprap, geoweb, and geogrid. For erosion protection, erosion control fabric will be placed on top of all new repairs and hydroseeded.</li> </ul> <p><b>Funding Source:</b></p> <ul style="list-style-type: none"> <li>Fund 200 – Flood Protection Operations</li> </ul>	<p><b>Original Total Cost Estimate (2020):</b> \$4,662,000</p> <p><b>Current Total Estimated Project Cost:</b> \$5,650,000</p> <p><b>Total Proposed Budget:</b> \$5,650,000</p> <p><b>Total Expenditures:</b> \$4,302,746</p> <table border="1" data-bbox="884 675 1297 873"> <thead> <tr> <th colspan="2"><b>Planning &amp; Design Phase Costs</b></th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$720,000</td> </tr> <tr> <td>% Spent</td> <td>100%</td> </tr> <tr> <td>% Complete</td> <td>100%</td> </tr> </tbody> </table> <table border="1" data-bbox="884 912 1297 1110"> <thead> <tr> <th colspan="2"><b>Construction Phase Costs</b></th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$4,930,000</td> </tr> <tr> <td>% Spent</td> <td>87%</td> </tr> <tr> <td>% Complete</td> <td>100%</td> </tr> </tbody> </table>	<b>Planning &amp; Design Phase Costs</b>		Budget	\$720,000	% Spent	100%	% Complete	100%	<b>Construction Phase Costs</b>		Budget	\$4,930,000	% Spent	87%	% Complete	100%	<p><b>Design:</b> June 2020</p> <p><b>Permitting:</b> 2021</p> <p><b>Construction:</b> May 2021 - November 2022</p> <p><b>Closeout:</b> November 2022</p> <p><b>Projected Operating Impact:</b> Reduced future maintenance and repair costs.</p>	<p>Of the total 18 sites, 14 sites were completed in the Summer of 2021. The four remaining sites were completed in Summer 2022. Hydroseeding and erosion control measures for these four sites were applied in October 2022.</p> <p>Staging area roadway improvements were completed in November 2022.</p>
<b>Planning &amp; Design Phase Costs</b>																				
Budget	\$720,000																			
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<b>Project Name/Purpose</b>	<b>Scope/Funding Source</b>	<b>Project Cost and Budget</b>	<b>Target Dates / Operating Impact</b>	<b>Current Status</b>																
<p><b>Alamo Creek Bank Stabilization Pilot Project</b></p> <p><b>Purpose/Benefits:</b></p> <ul style="list-style-type: none"> <li>This is a pilot project to test out channel erosion treatments that will be proposed as part of the Flood Management Plan.</li> <li>Repair a section of Alamo Creek in Dublin, to help restore functionality and integrity of the flood protection system, utilizing green (bioengineering) and gray (rip rap) technologies.</li> </ul>	<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>This pilot project will repair ~2,000 linear feet of channel located downstream of the Alamo Creek and South San Ramon Creek confluence structure. This reach experiences high velocities which cause toe erosion.</li> <li>Improvements will include stabilization of the toe including rock vanes, vegetated soil lifts, willow plantings, and rip rap toe trenches. Erosion control fabric will be placed on top of all new repairs and hydroseeded.</li> </ul> <p><b>Funding Source:</b></p> <ul style="list-style-type: none"> <li>Fund 200 – Flood Protection Operations</li> <li>DWR has awarded a \$4,606,890 grant through the Floodplain Management, Protection, and Risk Awareness (FMPRA) Grant Program</li> </ul>	<p><b>Original Total Cost Estimate (2022):</b> \$4,800,000</p> <p><b>Current Total Estimated Project Cost:</b> \$4,800,000</p> <p><b>Total Proposed Budget:</b> \$4,800,000</p> <p><b>Total Expenditures:</b> \$0</p> <table border="1" data-bbox="884 638 1297 834"> <thead> <tr> <th colspan="2"><b>Planning &amp; Design Phase Costs</b></th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$357,000</td> </tr> <tr> <td>% Spent</td> <td>0%</td> </tr> <tr> <td>% Complete</td> <td>0%</td> </tr> </tbody> </table> <table border="1" data-bbox="884 873 1297 1070"> <thead> <tr> <th colspan="2"><b>Construction Phase Costs</b></th> </tr> </thead> <tbody> <tr> <td>Budget</td> <td>\$4,443,000</td> </tr> <tr> <td>% Spent</td> <td>0%</td> </tr> <tr> <td>% Complete</td> <td>0%</td> </tr> </tbody> </table>	<b>Planning &amp; Design Phase Costs</b>		Budget	\$357,000	% Spent	0%	% Complete	0%	<b>Construction Phase Costs</b>		Budget	\$4,443,000	% Spent	0%	% Complete	0%	<p><b>Design:</b> April 2023 – September 2023</p> <p><b>Permitting:</b> Fall 2023 - Winter 2024</p> <p><b>Construction:</b> Summer/Fall 2024</p> <p><b>Closeout:</b> December 2024</p> <p><b>Projected Operating Impact:</b> Reduced future maintenance and repair costs.</p>	<p>Staff issued a Request for Proposals for a consultant team to prepare Plans &amp; Specifications, and to provide environmental compliance support as part of the planning phase.</p> <p>The selected consultant will also provide support during the construction phase.</p> <p>Staff will request the Board to award a Professional Services Agreement with the selected consultant in April 2023.</p>
<b>Planning &amp; Design Phase Costs</b>																				
Budget	\$357,000																			
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% Complete	0%																			

**ORIGINATING SECTION:** Integrated Planning  
**CONTACT:** Sal Segura/Ken Minn

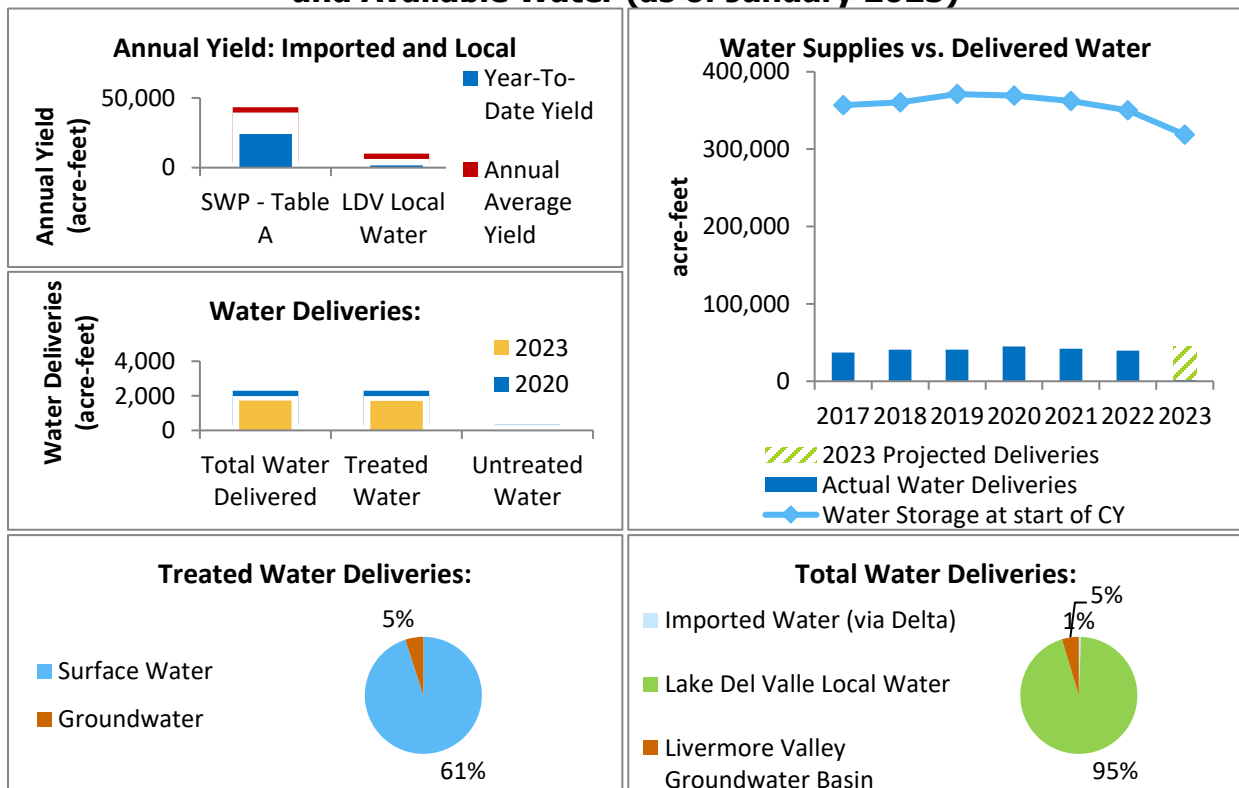
**AGENDA DATE:** February 15, 2023

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

**SUMMARY:**

In support of Zone 7’s mission to “deliver safe, reliable, efficient, and sustainable water...services,” for Strategic Plan Goal A – “Reliable Water Supply and Infrastructure;” this report summarizes recent water supply, usage and storage conditions. An overall analysis of the annual water supply was completed in April of 2022 as part of the Annual Review of Sustainable Water Supply. Staff will begin working on the upcoming Annual Review of Sustainable Water Supply in February. 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.

**Figure ES 1: At-a-Glance Summaries of 2023 Water Supplies, Deliveries, and Available Water (as of January 2023)**



**January 2023  
Zone 7 Water Inventory and Water Budget**

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

- Monthly totals: 1,720 acre-feet (AF) delivered to customers (1,710 AF treated, 10 AF estimated untreated) and 0 AF to recharge
- Total treated water production decreased 7% compared to last month.
- Treated water sources were 95% surface water and 5% groundwater this month.
  - Treatment plant production was 17.2 MGD.
  - Wellfield production was 0.8 MGD.

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

- Total Zone 7 demands this month were 14% lower relative to the same time in 2020; treated production was 14% lower and estimated untreated deliveries were the same as in 2020.

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

	<b>Treated Production</b>	<b>Untreated Delivery</b>	<b>Total</b>
<b>January 2023 (AF)</b>	1,710	10	1,720
<b>January 2020 (AF)</b>	1,980	10	1,990
<b>January Conservation (2023 vs 2020)</b>	14%	0%	14%

- On September 1, 2021, the Zone 7 Board called for 15% mandatory conservation (relative to 2020) from retailers in preparation for a potential third dry year in 2022; the retailers rolled out their own declarations in the following months.

**Imported Water** *(See Table 2)*

- On January 23, DWR increased the 2023 SWP allocation to 30%. This is up from the initial SWP allocation of 5% released on December 1, 2022. The SWP allocation may be adjusted depending on hydrologic conditions in the coming months.
- Remaining supplies and total operational water storage are approximately 214,500 AF; if emergency storage in the Livermore Valley Groundwater Basin below the historical low is included, then the total amount of remaining supplies and storage is estimated at 342,500 AF.

**Groundwater** *(See Table 2 and Figure 5)*

- Zone 7 wellfield pumping was 80 AF, making up 5% of 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 total storage capacity of 254,000 AF. The aggregate operational storage makes up 126,000 AF of the total storage and the remaining 128,000 AF are designated as the emergency storage representing the amount of storage below historic low water levels. Currently, the total basin storage remains at approximately 87% of total capacity (220,000 AF out of 254,000 AF).
  - 92,000 AF are operational storage.
  - 128,000 AF remains as emergency storage.
  - Note, however, that not all of this 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.
- The January storms and associated stream flows are resulted in approximately 3,000 AF of groundwater recharge.

**Local Surface Water** (See Table 2 and \*The estimated groundwater basin storage represents the combined total storage from all four subbasins.

Figure 6)

- Zone 7's (preliminary) water storage in Lake Del Valle at the end of January is approximately 3,000 AF.
- Lake Del Valle exceeded the top of the conservation pool on December 31, 2022 and DWR began making flood control releases to Arroyo Valle on January 1, 2023. Lake Del Valle peaked on January 16 at 721.12' or 54,115 AF.
- During the month of January, DWR made approximately 46 TAF of flood releases. This included releases as high as 3,000 CFS to Arroyo Valle downstream of Lake Del Valle, the highest release on record from the dam.

**Stream Outflow** (See Table 2)

- Surface runoff exceeded the 10 cubic feet per second (CFS) baseflow at the Arroyo de la Laguna at the Verona stream gauge for the entire month of January. Surface outflows are estimated at 93,200 AF for the month of January.
- Note: some surface flows out of the Tri-Valley are mandated for other downstream purposes.

**Local Precipitation** (See Figure 7)

- 6.36 inches of precipitation were recorded at the Livermore Airport in January.
- For Water Year 2023, Livermore has received 16.28 inches of rain, or 206% of average for January 31<sup>st</sup>.

**Sierra Precipitation** (See Figure 8)

- 16.1 inches of precipitation were recorded in the Northern Sierras during January. Historically, the average precipitation in January has been 9.1 inches.

- Cumulative precipitation in the Northern Sierra for Water Year 2023 is 37.5 inches.

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**Sierra Snowpack**

*(See Figure 9)*

- Snowpack in the Northern Sierras is 170% of average for January 31 at 30.0 inches of snow water equivalent.

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**Lake Oroville**

*(See Figure 10)*

- Lake Oroville was at 65% of total capacity (112% of average) as of January 31.
  - Storage: 2,297,971 AF
  - Storage as a percentage of total capacity increased 27% over the month of January.

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**San Luis Reservoir**

*(See Figure 11)*

- San Luis Reservoir was at 63% capacity (84% of average) as of January 31.
  - Storage: 1,277,608 AF
  - Storage as a percentage of total capacity increased 28% over the month of January.
- As of January 31, Zone 7 has 7,540 AF stored in San Luis Reservoir.

***NOTE:*** Numbers presented are estimates only and subject to adjustment over the course of the year.



## Table 2: 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 <i>Jan-Dec</i>	2023 - Q1 <i>Jan-Mar</i>
<b>Source</b>		
<b>Incoming Supplies</b>		
State Water Project (SWP) - Table A	0	0
Lake Del Valle Local Water	3,790	1,630
Water Transfers/Exchanges <sup>1</sup>	2,320	0
<b>Subtotal</b>	<b>6,110</b>	<b>1,630</b>
<b>From Storage</b>		
State Water Project - Carryover	6,590	10
Livermore Valley Groundwater Basin	16,830	80
Kern Storage and Recovery Programs	9,570	0
<b>Subtotal</b>	<b>32,990</b>	<b>90</b>
<b>Total Supply</b>	<b>39,100</b>	<b>1,720</b>
<b>Water Use</b>		
<b>Customer Deliveries</b>		
Treated Water Demand <sup>2</sup>	33,630	1,710
Untreated Water Demand	5,350	10
<b>Subtotal</b>	<b>38,980</b>	<b>1,720</b>
<b>To Storage</b>		
Livermore Valley Groundwater Basin Recharge	120	0
Kern Storage and Recovery Programs	0	0
<b>Subtotal</b>	<b>120</b>	<b>0</b>
<b>Total Water Use</b>	<b>39,100</b>	<b>1,720</b>
<b>Available Water Supplies</b>		<b>End-of-Quarter Balances</b>
<b>Incoming Supplies in 2023</b>		
SWP - Table A (%)	5%	30%
SWP - Table A Remaining	4,000	24,190
Water Transfers/Exchanges <sup>1</sup>	0	0
<b>Subtotal</b>	<b>4,000</b>	<b>24,190</b>
<b>Storage Balance from 2022</b>		
SWP Carryover + Backed Up Water <sup>3</sup>	7,550	7,540
Lake Del Valle Local Water	2,500	3,000
Livermore Valley Groundwater Basin <sup>4</sup>	88,800	92,000
Kern Storage and Recovery Programs	87,800	87,800
<b>Subtotal</b>	<b>186,650</b>	<b>190,340</b>
<b>Total Available Water</b>	<b>190,650</b>	<b>214,530</b>
<b>Watershed Conditions</b>	<b>End-of-2022</b>	
Precipitation at Livermore Station (in)	13.8	6.36
Lake Del Valle Local Water Net Yield	90	2,130
Measured Change in Groundwater Basin Storage (AF)	-7,200	3,200
Surface Water Outflow <sup>5</sup>	23,530	93,200

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

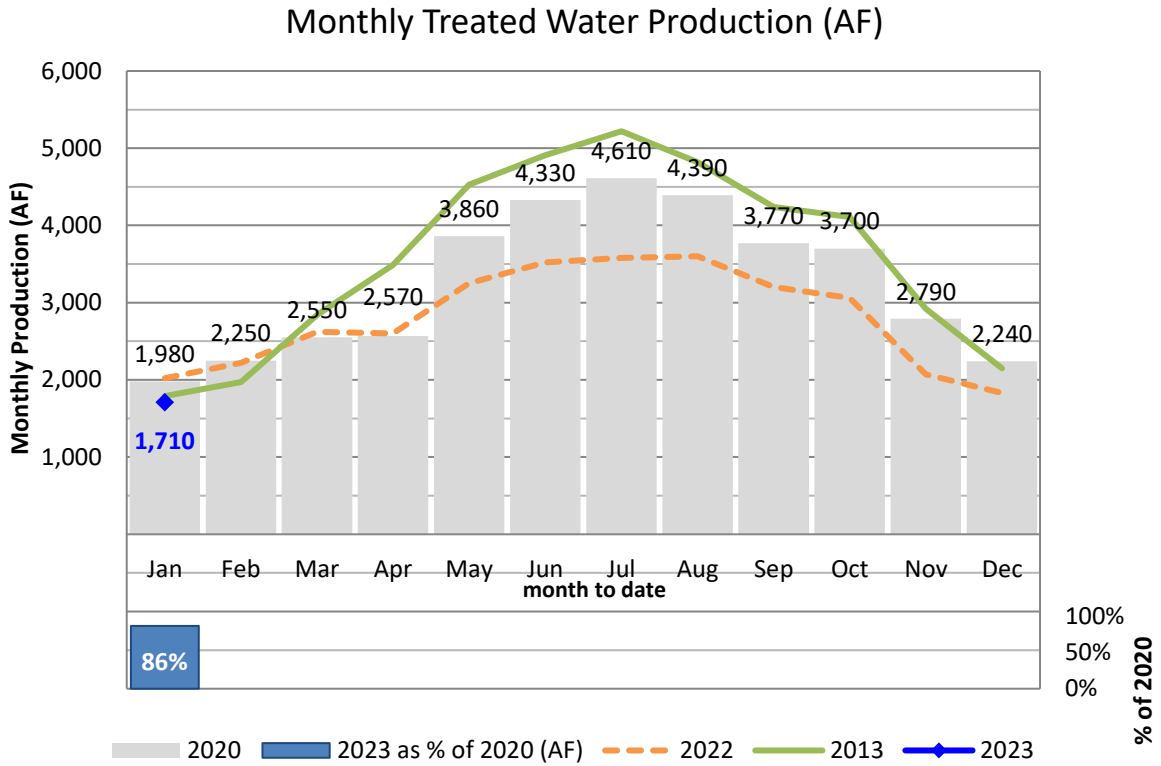
<sup>2</sup> Includes a small amount of unaccounted-for water.

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

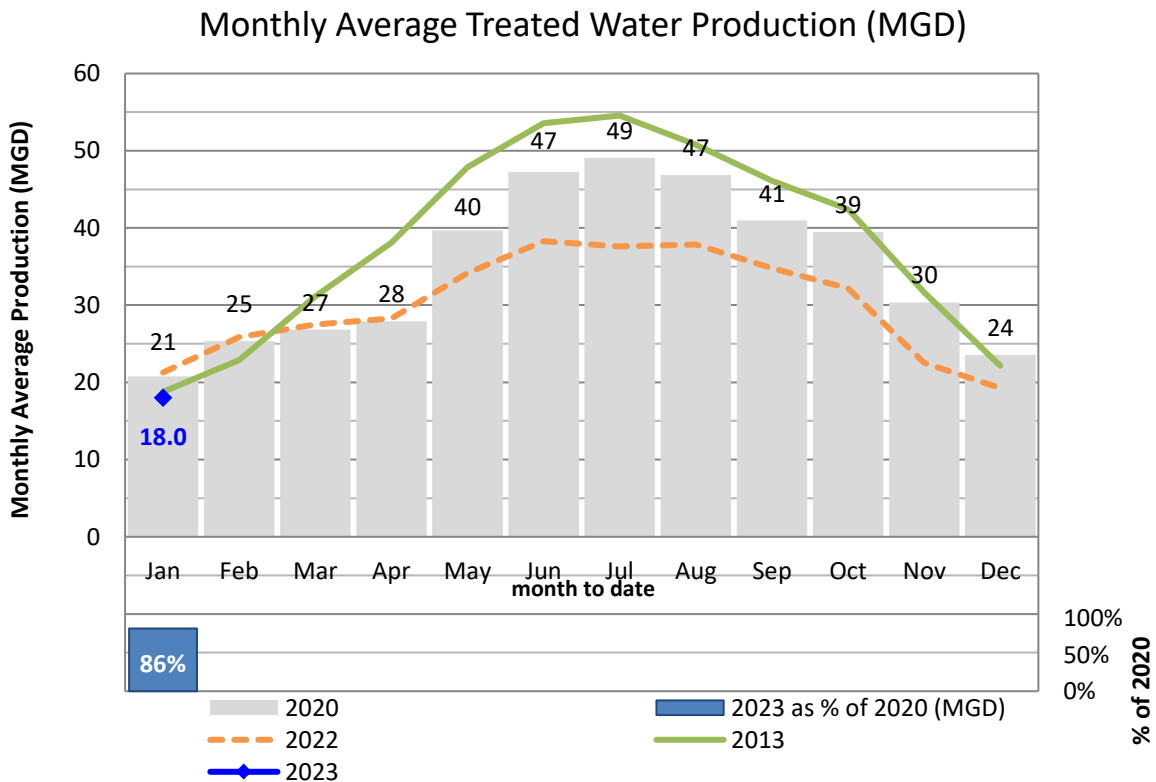
<sup>4</sup> Storage volume is based on most recent groundwater level data; amount shown excludes 128,000 AF of emergency storage.

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

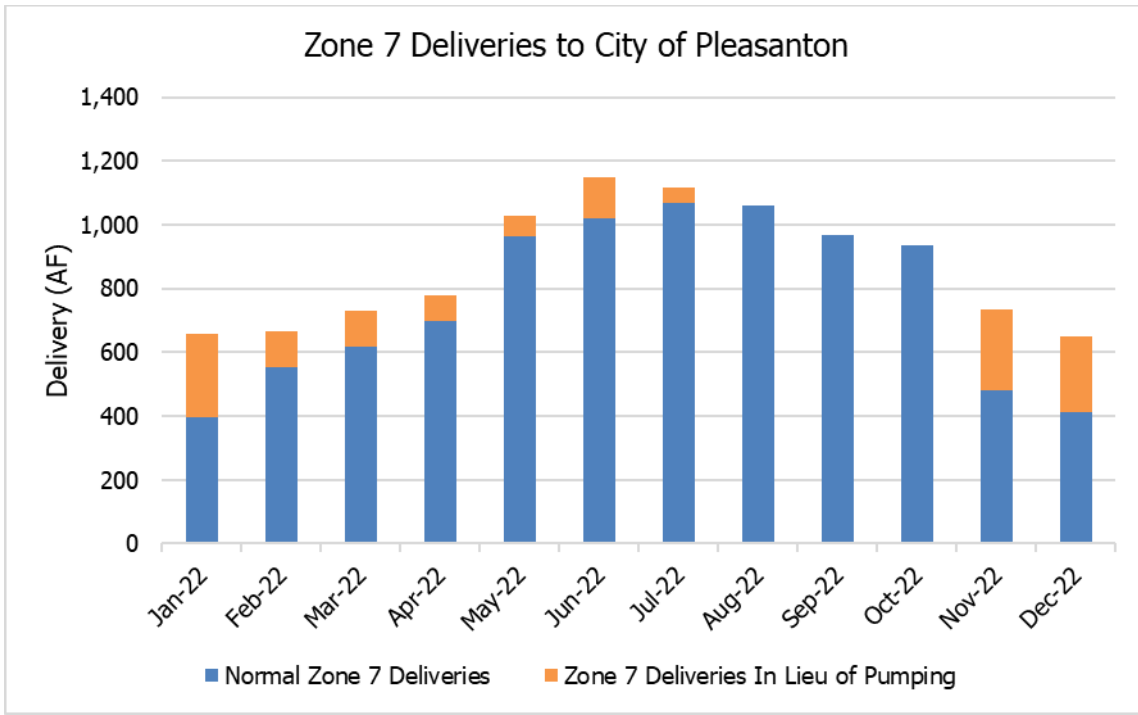
**Figure 1: Monthly treated water production in acre-feet (AF)**



**Figure 2: Monthly treated water production in average million gallons per day**

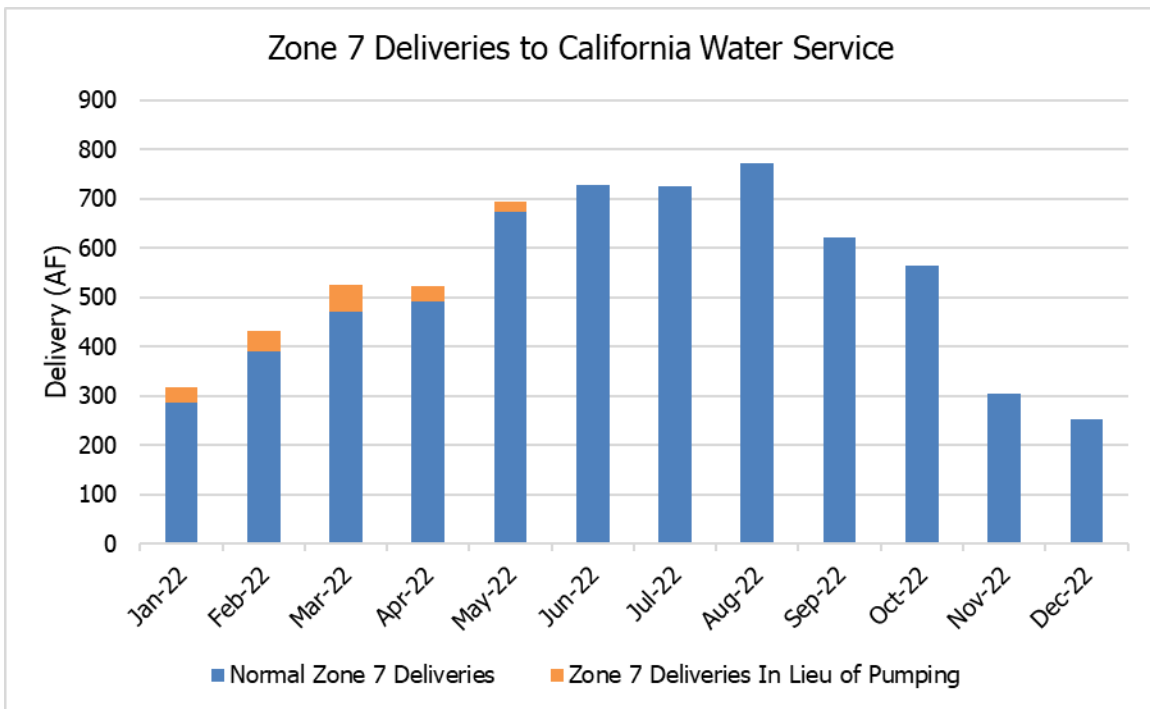


**Figure 3: Pleasanton Estimated In-Lieu Demand  
(Based on 2016-2019 Pumping)**



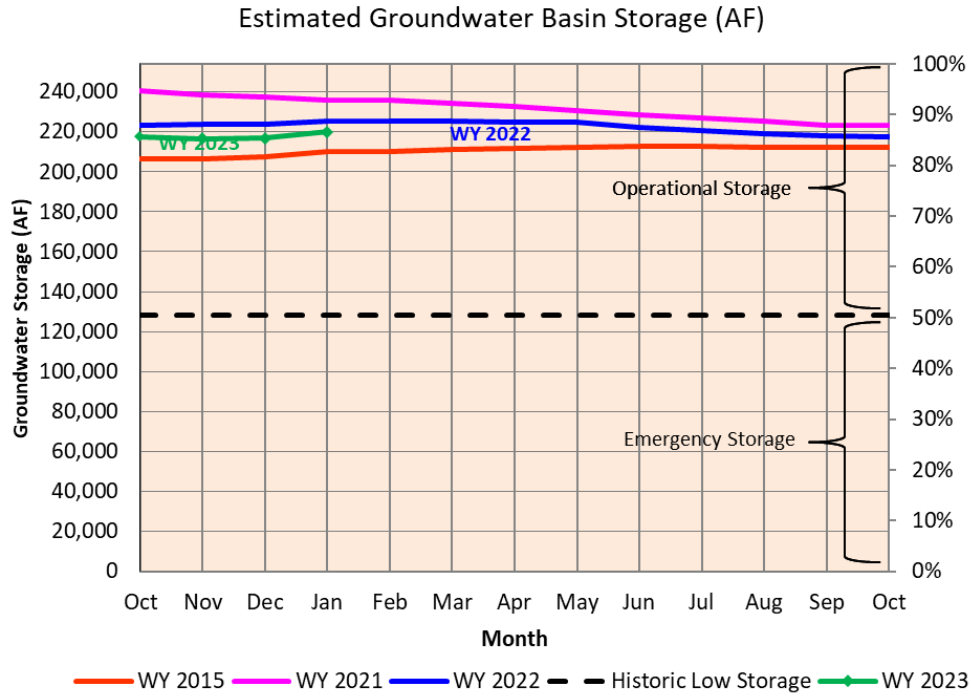
\*Pleasanton’s pumping data for January is not yet available and will be reflected in future inventories.

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



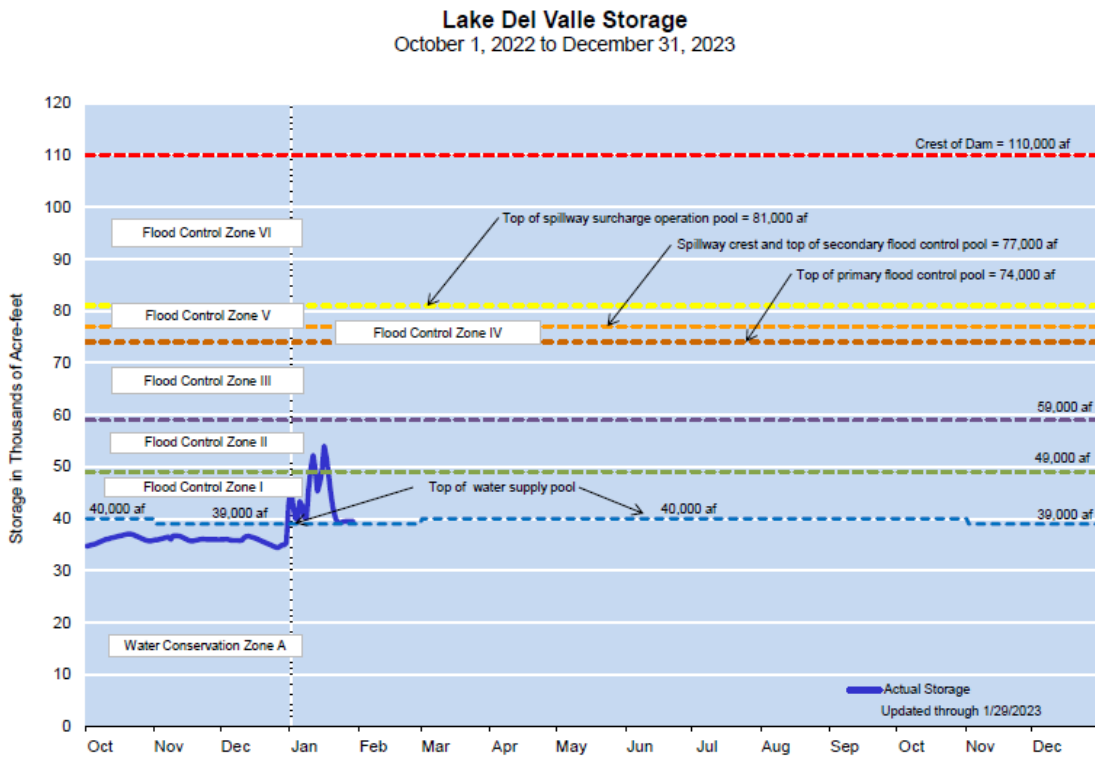
\*Cal Water’s pumping data for January is not yet available and will be reflected in future inventories.

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



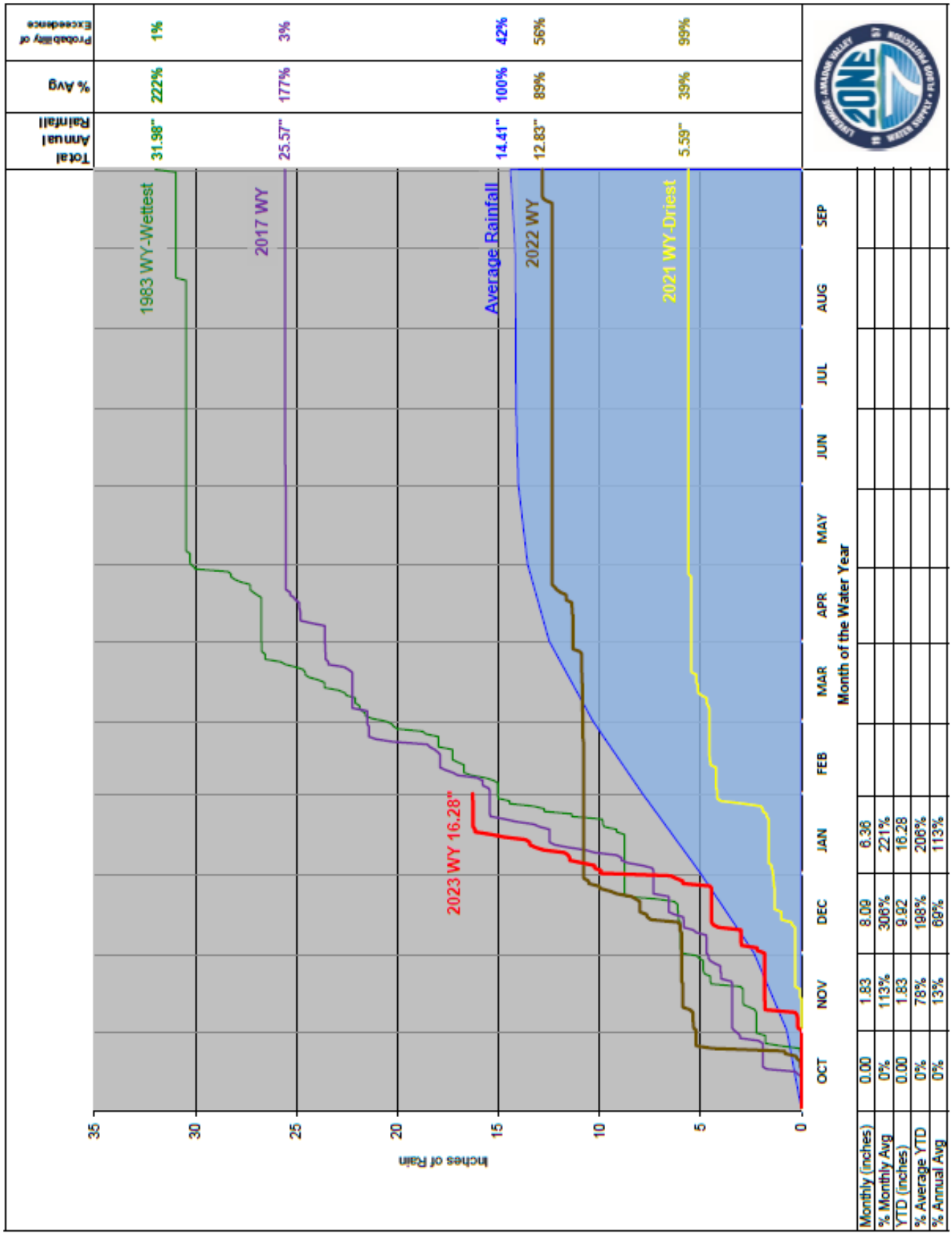
\*The estimated groundwater basin storage represents the combined total storage from all four subbasins.

**Figure 6: Lake Del Valle Storage**

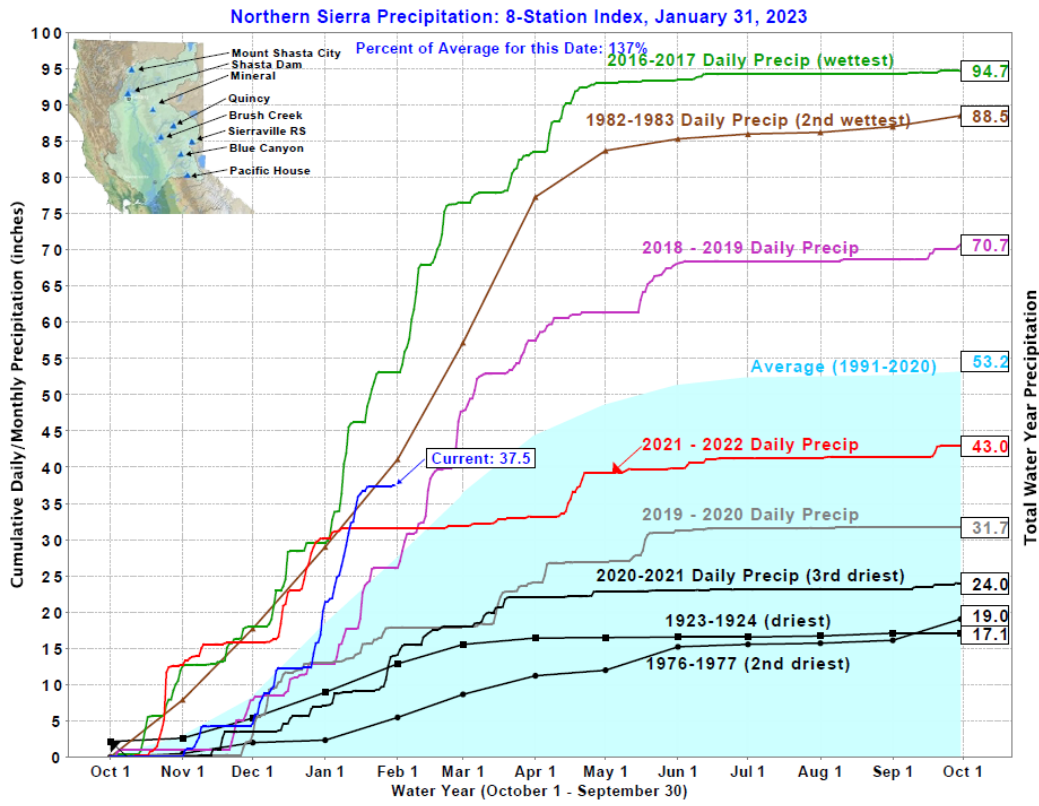


(Source: <https://water.ca.gov/-/media/DWR-Website/>)

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**

% of April 1 Average / % of Normal for This Date



NORTH	
Data as of January 31, 2023	
Number of Stations Reporting	32
Average snow water equivalent (Inches)	30.0
Percent of April 1 Average (%)	105
Percent of normal for this date (%)	170

CENTRAL	
Data as of January 31, 2023	
Number of Stations Reporting	50
Average snow water equivalent (Inches)	35.4
Percent of April 1 Average (%)	131
Percent of normal for this date (%)	209

SOUTH	
Data as of January 31, 2023	
Number of Stations Reporting	31
Average snow water equivalent (Inches)	35.1
Percent of April 1 Average (%)	155
Percent of normal for this date (%)	252

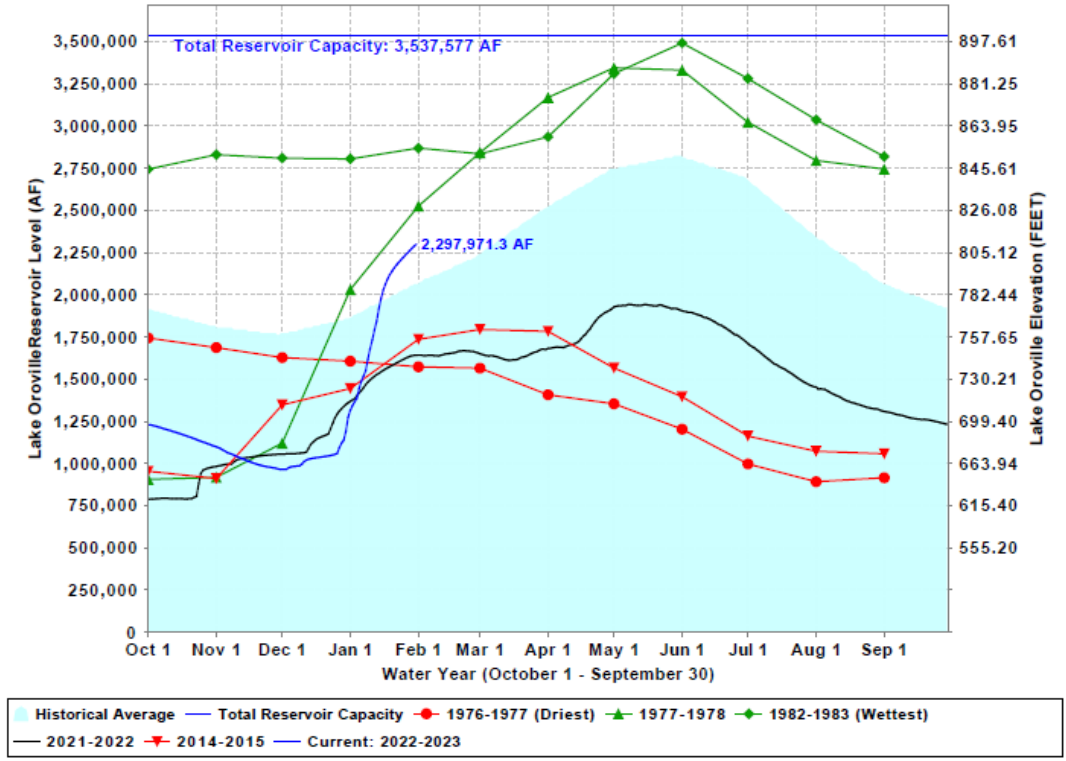
STATE	
Data as of January 31, 2023	
Number of Stations Reporting	113
Average snow water equivalent (Inches)	33.8
Percent of April 1 Average (%)	129
Percent of normal for this date (%)	208

Statewide Average: 129% / 208%

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

### Figure 10: Lake Oroville Storage

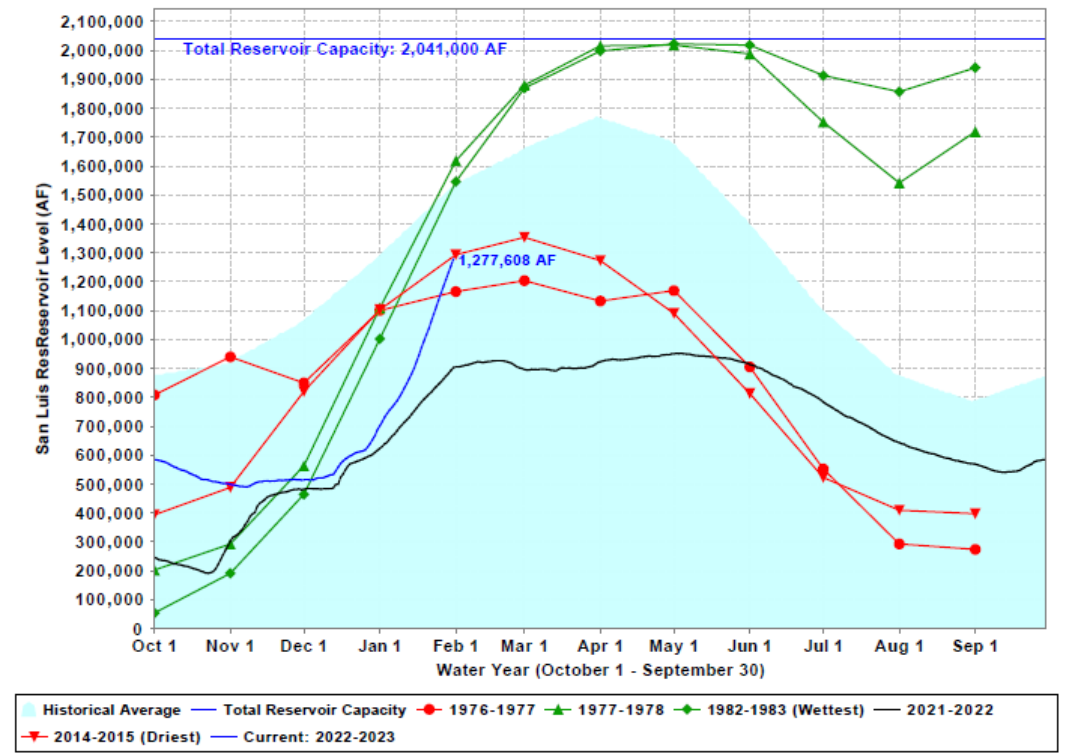
Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight January 31, 2023



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

### Figure 11: San Luis Reservoir Storage

San Luis Res Levels: Various Past Water Years and Current Water Year, Ending At Midnight January 31, 2023



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

**ORIGINATING SECTION:** Administrative Services  
**CONTACT:** Osborn Solitei

**AGENDA DATE:** February 15, 2023

**SUBJECT:** Summary of Zone 7 Water Agency Rates, Fees, and Charges

**SUMMARY:**

- To support Zone 7 Water Agency's (the "Agency") mission to deliver safe, reliable, efficient, and sustainable water and flood protection services and support Strategic Plan Initiative No. 24 – Continue to effectively manage financial resources, the Agency sets reasonable rates, fees, and charges to recover cost of service.
- Revenues collected from the Agency's various rates, fees, and charges are allocated to designated Agency funds and used solely for their defined, authorized use.
- Rates, fees, and charges are reviewed regularly as defined in authorizing documents.
- A summary of the Agency's rates, fees, and charges is included herein as Exhibit A.

**FUNDING:**

N/A

**RECOMMENDED ACTION:**

Informational only.

**ATTACHMENT:**

Exhibit A – Summary of Agency Rates, Fees, and Charges



## Exhibit A

### Zone 7 Water Agency Summary of Rates, Fees, and Charges

Water System	Current Fee/Charge	Authorizing Document	Effective Date	Duration	Reviewed
<b>Treated Water Rate</b>					
Volume-Based Treated Water Rate (per ccf)	\$2.27	Reso No. 22-93	2/1/2023	11 months	Bi-Annually
Fixed Revenue Recovery	\$27,395,440	Reso No. 22-93	2/1/2023	11 months	Bi-Annually
Recharge Fee (per AF)	\$1,702	Reso No. 22-93	2/1/2023	11 months	Bi-Annually
Temporary Treated Water Service Rate (per AF)	\$1,799	Reso No. 22-93	2/1/2023	11 months	Bi-Annually
In-Lieu Water Service (per AF)	\$120	Reso No. 22-93	2/1/2023	11 months	Bi-Annually
Untreated Water Rate (per AF)	\$255	Reso No. 22-85	1/1/2023	12 months	Annually
Temporary Untreated Water Service Establishment Charge (per turnout)	\$125	Reso No. 22-85	1/1/2023	12 months	Annually
Temporary Untreated Water Service Charge (monthly)	\$21	Reso No. 22-85	1/1/2023	12 months	Annually
Temporary Untreated Water Service Charge (per AF)	\$1,028	Reso No. 22-85	1/1/2023	12 months	Annually
Non-Scheduled Untreated Water Service Charge (per AF)	\$1,028	Reso No. 22-85	1/1/2023	12 months	Annually
Well Permit Fees (per well)	\$397	Reso No. 15-62	9/1/2018		
Soil Boring Permit Fee (per site)	\$265	Reso No. 15-62			
Dougherty Valley Surcharge (annual charge to DSRSD)	\$2,266,774	Amendment No. 1 to Contract btwn Zone 7 and DSRSD for Municipal Water Supply	FY 2021-22	12 months	Annually
Property Tax (Secured)	\$22,000,000	Reso No. 22-50	7/1/2022	24 months	Bi-Annually
Facility Use Fee (5/8-inch - basic)	\$3,940	Reso No. 21-79	1/1/2022	5-years	Every 5 Years
Water Connection Fee (5/8-inch - basic)	\$33,730	Ord No. FC 72-1 (as amended)	1/1/2023	12 months	Annually
		Reso No. 22-87			
Dougherty Valley Water Connection Fee (5/8-inch - basic)	\$32,360	Reso No. 22-87	1/1/2023	12 months	Annually/ 5 Years (full study)
<b>Flood Protection</b>	<b>Fee/Charge</b>	<b>Authorizing Document</b>	<b>Effective Date</b>	<b>Duration</b>	<b>Reviewed</b>
Property Tax (1% of Countywide Tax Levy)	\$11,626,000	District Act	FY 2022-23	12 months	Annually
Encroachment Permit Fee (per encroachment) / Inspection (as applicable) Fee	\$50 (minor) \$200 (major) / \$200/hr	District Act			
Development Impact Fee (DIF) (per sq. ft.)	\$1	Ord No. 2012-01	1/1/2022	12 months	Annually