

AGENDA
1133rd MEETING OF THE BOARD OF TRUSTEES
OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
FEBRUARY 12TH, 2025

TIME: 5:00 P.M.

PLACE: Join in person at the Office of the District
23187 Connecticut Street, Hayward, CA 94545 *or*
Join remotely via teleconference: <https://us02web.zoom.us/j/83834486228>
see below for additional details.

TRUSTEES: Tyler Savage, President, City of Alameda
Kashef Qadri, Vice-President, City of Dublin
John Bauters, Secretary, City of Emeryville
Cathy Roache, County-at-Large
Preston Jordan, City of Albany
P. Robert Beatty, City of Berkeley:
John Zlatnik, City of Fremont
George Syrop, City of Hayward
Maya Manoharan, City of Livermore *from 1845 Marini Ln, Livermore, CA*
Eric Hentschke, City of Newark
Lisa Rasler, City of Oakland
Hope Salzer, City of Piedmont: *from 76 Cambrian Ave, Piedmont, CA*
Jeff Nibert, City of Pleasanton
Victor Aguilar, City of San Leandro
Subru Bhat, City of Union City

1. Call to order.
2. Roll call.
3. President Savage invites any member of the public to speak at this time on any issue relevant to the District (each individual is limited to three minutes).
4. Approval of the minutes of the 1132nd Regular Meeting held January 8th, 2025 (**Board action required**).
5. Closed session – Conference with Labor Negotiators Pursuant to Government Code 54957.6. Under Negotiation – Terms and Conditions of Employment (**Possible Board Action**)
 - a. Agency-Designated representatives: Tyler Savage, Subru Bhat, Eric Hentschke, George Syrop
 - b. Employee Organization: Alameda County Mosquito Abatement District’s Employee Association.
6. Presentation of the President’s Award Plaque to Immediate Past President Cathy Roache by President Tyler Savage (Information only).
7. Approve CalPERS Publicly Available Pay Scales and Revised MOU (**Board action required**).
 - a. Staff report
 - b. ACMAD Publicly Available Pay Scale 2019-2022
 - c. ACMAD Publicly Available Pay Scale 2022-2025

- d. Revised MOU (2022-2025)
 - e. Public Education Officer Job Description
 - f. California Code of Regulations §570.5
 - g. CalPERS Office of Audit Services Report
8. Proof-of-Concept Proposal to Implement an AI-Based Resident Communication Platform **(Board action required)**
 9. Verbal update from the ad-hoc manager evaluation committee (Information only).
 10. Verbal update from the ad-hoc energy committee (information only).
 11. Financial Reports as of January 31st, 2025 (Information only).
 - a. Check Register
 - b. Credit card statements
 - c. Income Statement
 - d. Investments, reserves, and cash report
 - e. Balance Sheet
 12. Presentation of the Manager's Report (Information only).
 - a. Trustee & Staff Anniversary Recognitions
 - b. Finance Committee meeting: 3/12/25 at 4:00pm
 - c. ACMAD hosting a regional invasive *Aedes* symposium on 2/18/25 with a dengue fever presentation by Berkeley Trustee, P. Robert Beatty, PhD.
 - d. General Manager elected Chair of [California CLASS JPA](#)
 - e. Seasonal Lab Technician, Annika Olson, hired as a Laboratory Technician with the Contra Costa Mosquito & Vector Control District.
 - f. Form 700 FPPC Conflict of Interest Report: Reminder
 - g. Required training dates:
 - i. AB1234: Qadri (1/18/25)
 - ii. AB1825: Qadri (1/17/25)
 13. Presentation of the Monthly Staff Report (Information only).
 14. Board President asks for reports on conferences and seminars attended by Trustees.
 15. Board President asks for announcements from members of the Board.
 16. Board President asks trustees for items to be added to the agenda for the next Board meeting.
 17. Adjournment.

RESIDENTS ATTENDING THE MEETING MAY SPEAK ON ANY AGENDA ITEM AT THEIR REQUEST.

Please Note: Board Meetings are accessible to people with disabilities and others who need assistance. Individuals who need special assistance or a disability-related modification or accommodation (including auxiliary aids or services) to observe and/or participate in this meeting and access meeting-related materials should contact Ryan Clausnitzer at least 48 hours before the meeting at 510-783-7744 or acmad@mosquitoes.org.

HOW TO OBSERVE THE MEETING:

Telephone: Listen to the meeting live by calling Zoom at **(669) 900-6833**
Enter the **Meeting ID#** 838 3448 6228 followed by the pound (#) key.

Computer: Watch the live streaming of the meeting from a computer by navigating to: <https://us02web.zoom.us/j/83834486228>

Mobile: Log in through the Zoom mobile app on a smartphone and enter **Meeting ID# 838 3448 6228**

HOW TO SUBMIT PUBLIC COMMENTS:

Before the Meeting: Please email your comments to acmad@mosquitoes.org, write "Public Comment" in the subject line. In the body of the email, include the agenda item number and title, as well as your comments. If you would like your comment to be read aloud at the meeting (not to exceed three minutes at staff's cadence), prominently write "Read Aloud at Meeting" at the top of the email. All comments received before 12:00 PM the day of the meeting will be included as an agenda supplement on the District's website under the relevant meeting date and provided to the Trustees at the meeting. Comments received after this time will be treated as contemporaneous comments.

Contemporaneous Comments: During the meeting, the Board President or designee will announce the opportunity to make public comments and identify the cut off time for submission. Please email your comments to acmad@mosquitoes.org, write "Public Comment" in the subject line. In the body of the email, include the agenda item number and title, as well as your comments. Once the public comment period is closed, all comments timely received will be read aloud at the meeting (not to exceed three minutes at staff's cadence). Comments received after the close of the public comment period will be added to the record after the meeting.

MINUTES

1132nd MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

January 8th, 2025

TIME: 5:00 P.M.
PLACE: Hybrid Meeting of the Board of Trustees
Physically held at the Office of the District
23187 Connecticut Street, Hayward, CA 94545 and
Teleconferencing at: <https://us02web.zoom.us/j/86407248266>
TRUSTEES: Tyler Savage, President, City of Alameda
Kashef Qaadri, Vice-President, City of Dublin
John Bauters, Secretary, City of Emeryville: *from 4260 Halleck St, Emeryville*
Cathy Roache, County-at-Large
Preston Jordan, City of Albany
P. Robert Beatty, City of Berkeley
John Zlatnik, City of Fremont
George Syrop, City of Hayward
Maya Manoharan, City of Livermore: *from 1845 Marini Ln, Livermore*
Eric Hentschke, City of Newark
Lisa Rasler, City of Oakland
Hope Salzer, City of Piedmont: *from 76 Cambrian Ave, Piedmont*
Jeff Nibert, City of Pleasanton
Victor Aguilar, City of San Leandro
Subru Bhat, City of Union City

1. Board President Roache called the regularly scheduled board meeting to order at 5:08 pm.
2. Trustees Qaadri, Roache, Jordan, Zlatnik, Hentschke and Bhat were present at the District. Trustees Syrop and Aguilar arrived at the district at 5:14 pm and 5:37 pm, respectively. Trustees Bauters, Salzer and Manoharan were present remotely from the publicly posted locations above. Trustees Savage, Beatty, Rasler and Nibert were absent. President Roache introduced the new (returning) Board Member who was present, Preston Jordan representing the City of Albany.
3. President Roache invited members of the public to speak on any issue relevant to the district. Lab Director, Eric Haas-Stapleton, was present to complete the staff report as the General Manager had to leave at 6:00 P.M. Information & Technology Director, Robert Ferdan, was present for technical support. Vector Biologist, Sarah Lawton, was present to record the minutes.
4. Approval of the minutes of the 1131st meeting held December 11th, 2024.
Discussion: None
Motion: Trustee Hentschke moved to approve the minutes
Second: Trustee Zlatnik

Vote: Motion carries: unanimous

5. Election of Board Officers. Gavel transfer from President Roache to the newly elected President Savage.

Discussion: The General Manager reminded the Trustees of the already approved slate of officers approved at the December Board meeting. After the election, Vice President Qaadri led the meeting as President Savage was absent.

Motion: Trustee Bhat moved to accept the slate of Officers: Trustee Savage as President, Trustee Qaadri as Vice-President, and Trustee Bauters as Secretary.

Second: Trustee Salzer

Vote: Motion carries: unanimous

6. Review of 2025 Board Meeting dates

Discussion: Trustee Roache mentioned that Wednesday, February 12th is Lincoln's birthday, a County of Alameda holiday.

Motion: Trustee Manoharan moved to approve the 2025 calendar

Second: Trustee Roache

Vote: Motion carries: Trustee Syrop abstains.

7. Confirm Finance Committee membership, set upcoming meeting dates, and appoint a Chair

Discussion: Trustee Roache asked if the Board President is usually on the committee (not required.) Vice-President Qaadri asked if Trustee Roache would still like to be on the committee (she will remain on the committee.) Vice President Qaadri asked if Trustee Hentschke would still like to be on the committee (yes, he will remain on the committee.) Vice president Qaadri will return to the committee and asked if anyone else would like to be on the committee which Trustee Jordan volunteered for. President Savage was not present, but was assigned to Chair, if he accepts.

Motion: Trustee Syrop moved to approve the committee members.

Second: Trustee Hentschke

Vote: Motion carries: unanimous

8. Special District Leadership Foundation District Transparency Certificate of Excellence – Presented by Dane Wadlé, CSDA Senior Public Affairs Field Coordinator

Discussion: Dane Wadlé gave background information and presented the Certificate. Trustee Jordan and Trustee Qaadri asked how many special districts there are (>2000 special districts statewide.) Trustee Preston asked if the number of districts who receive this is low because they do not meet the requirements or because they do not apply (besides the lengthy application process, there are other challenging limitations of this optional recognition program).

9. Verbal update from the ad-hoc manager evaluation committee

Discussion: Trustee Roache reported that they have a meeting this Friday with RGS and will report back next month.

10. Verbal update from the ad-hoc energy committee

Discussion: Vice-President Qaadri gave an update on the General Manager's email highlighting energy and solar usage. Trustee Salzer wanted to point out the requirement for ROI as it will relate to leveling out the costs compared to the returns from solar power.

11. Form 700 FPPC Conflict of Interest Report

Discussion: The General Manager gave background information and reminded Trustees that the forms are due by this March.

12. Financial Reports as of December 31st, 2024

Discussion: The General Manager presented highlights from the financial report and thanked Trustees Hentschke and Bhat for signing checks. Trustee Syrop asked where the belt buckles were purchased from (a company based in Fargo North Dakota as the previous company which we used nearly 40 years ago had higher prices and now operated production overseas.) Trustee Salzer pointed out that the 3-year-comparison graph is expressed as a percentage and feels it might be more useful expressed in dollar amounts (we will send some drafts of alternate graphs to see if they are more helpful.)

13. Presentation of the Manager's Report

Discussion: The General Manager presented his report and thanked the Board for flexibility to allow him to leave the meeting at 6:00 P.M. for his Italian language lessons.

14. Presentation of the Monthly Staff Report

Discussion: Eric Haas-Stapleton presented the Staff Report and fielded questions along with Sarah Lawton and Robert Ferdan. Trustee Syrop asked if drone findings have been shared with other districts (yes, we do plan to share this.) Trustee Qaadri asked why we feel there is a second peak in *Cx. erythrothorax* numbers (the larvae are easier to detect earlier in the year compared to later, when we start to rely on trap results more.) Trustee Jordan asked about large peaks (traps are placed roughly every two weeks, so peaks are also related to "zero values" being inputted when traps are not placed.) Trustee Salzer asked about tree hole mosquitoes and if there is a way to save their locations in a map and see them on a layer in the database (yes, we do save them and can view them in a layer in MapVision.) Trustee Roache asked about avian influenza and if we are working with any other agencies (we paused collecting birds for testing due to risks of highly pathogenic avian influenza that was reported by California Department of Public Health and low detections of West Nile virus in birds during this time of year, we halted the sentinel chicken program because our mosquito monitoring program is robust and staff effort is relatively high to support the program.) Trustee Syrop asked if mosquitoes can pass bird flu (no, it is a respiratory virus.) Trustee Bhat mentioned that he hopes our local legislation will be supportive to special districts in the future. Trustee Syrop asked for clarification on that comment (CSDA, which ACMAD is a member, opposed some bills authored by local Assemblymembers.) Trustee Syrop pointed out that he has worked with Assemblymember Ortega's office in the past. Trustee Salzer brought up the fact that more service requests are made by phone than by the website and asked if it is a good idea to add a message in our phone system that could direct them to our website (we are in the process of updating and streamlining our system and will update the Board when the project is completed).

15. Board President asks for reports on conferences and seminars attended by Trustees.

Discussion: Trustee Hentschke mentioned that the HASPA meeting will be held at the District in January and will give a report next month.

16. Board President asks for announcements from members of the Board.

Discussion: Trustee Aguilar was just appointed by San Leandro to his final two-year term on the Board.

17. Board President asks trustees for items to be added to the agenda for the next Board meeting.

Discussion: None.

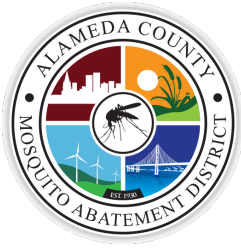
18. Adjournment at 6:25 pm.

Respectfully submitted,

Approved as written and/or corrected
at the 1132nd meeting of the Board of
Trustees held January 8th, 2025

Tyler Savage, President
BOARD OF TRUSTEES

Secretary, John Bauters
BOARD OF TRUSTEES



CalPERS Requiring Approval of a Publicly Available Pay Scale

Board of Trustees

President

Tyler Savage

Alameda

Vice-President

Kashef Qaadri

Dublin

Secretary

John Bauters

Emeryville

Cathy Roache

County-at-Large

Preston Jordan

Albany

P. Robert Beatty

Berkeley

John Zlatnik

Fremont

George Syrop

Hayward

Maya Manoharan

Livermore

Lisa Rasler

Oakland

Eric Hentschke

Newark

Hope Salzer

Piedmont

Jeff Nibert

Pleasanton

Victor Aguilar

San Leandro

Subru Bhat

Union City

Ryan Clausnitzer

General Manager

Background:

In July of 2024, a random CalPERS audit of ACMAD identified the need for the District to improve its process of reporting employee wages by formally approving a Publicly Available Pay Schedule (PAPS) to align with changes in employee salaries and titles. Staff provided a verbal report to the Board in August of 2024 awaiting the results of the attached report. While the Board approves the employee association's three-year Memorandum of Understanding (MOU) and the General Manager's contract annually, moving forward, the Board will now review and approve the PAPS each July, unless mid-year revisions are necessary.

To ensure full transparency and compliance with the California Code of Regulations §570.5, the District must maintain a single comprehensive document listing all employee positions and their respective salaries. This document must be complete and independent, without referencing other contracts or agreements.

The board previously approved the 2019–2022 MOU in February of 2019; however, to remain in compliance with CalPERS, the 2019–2022 PAPS, which includes all positions and their respective salaries, also needs to be approved retroactively.

The updates to the current MOU and PAPS include the addition of the new Community Liaison position, which was approved in the 2024/25 budget (the job description was included in the December 2024 board packet). Additionally, the title of the "Public Outreach Coordinator" position will be updated to "Public Education Officer". The General Manager's salary has also been incorporated into the PAPS as a separate entry, without referencing other contracts.

Recommendation:

Staff recommends approving the 2019-2022 PAPS, along with the current 2022-2025 MOU and PAPS, with the proposed updates to ensure the District remains in compliance with California Code of Regulations §570.5.

Attachments:

- PAPS (2019-2022)
- PAPS (2022-2025)
- Revised MOU (2022-2025)
- Public Education Officer Job Description
- California Code of Regulations §570.5
- CalPERS Office of Audit Services Report

Alameda County Mosquito Abatement District
Publicly Available Pay Schedule
Monthly Salary Schedule

Fiscal Year 2019/20 (July 1, 2019 - June 30, 2020)						
3.5% increase						
		Salary Steps				
Department	Position	Minimum				Maximum
		1	2	3	4	5
Admin	General Manager					\$ 13,884.02
Admin	Accounting Associate	\$ 4,767.21	\$ 5,005.57	\$ 5,255.84	\$ 5,518.64	\$ 5,794.57
Admin	Office Administrator	\$ 6,084.30	\$ 6,388.52	\$ 6,707.94	\$ 7,043.34	\$ 7,395.51
Field Operations	Assistant Mosquito Control Technician	\$ 6,132.82				
Field Operations	Mosquito Control Technician	\$ 6,453.15	\$ 6,775.79	\$ 7,114.56	\$ 7,470.32	\$ 7,842.52
Field Operations	Vector Biologist	\$ 8,234.64	\$ 8,645.49			
Laboratory	Assistant Vector Scientist	\$ 6,132.82				
Laboratory	Associate Vector Scientist	\$ 6,665.40	\$ 6,779.25	\$ 7,120.80	\$ 7,483.05	\$ 7,855.65
Laboratory	Vector Scientist	\$ 8,318.51	\$ 8,532.77	\$ 8,750.35	\$ 8,974.66	\$ 9,206.28
Admin	Mechanical Specialist	\$ 8,160.54	\$ 8,370.35	\$ 8,584.95	\$ 8,804.39	\$ 9,030.88
Admin	IT Director	\$ 8,358.32	\$ 8,573.59	\$ 8,792.21	\$ 9,017.60	\$ 9,250.32
Admin	Regulatory & Public Affairs Director	\$ 8,398.11	\$ 8,614.43	\$ 8,834.07	\$ 9,060.53	\$ 9,294.38
Laboratory	Lab Director	\$ 8,504.66	\$ 8,951.99	\$ 9,424.57	\$ 9,920.68	\$ 10,441.39
Field Operations	Field Operations Supervisor	\$ 8,525.71	\$ 8,975.78	\$ 9,448.28	\$ 9,945.21	\$ 10,442.54

Fiscal Year 2020/21 (July 1, 2020 - June 30, 2021)						
4% increase						
		Salary Steps				
Department	Position	Minimum				Maximum
		1	2	3	4	5
Admin	General Manager					\$ 14,311.10
Admin	Accounting Associate	\$ 4,957.90	\$ 5,205.79	\$ 5,466.08	\$ 5,739.39	\$ 6,026.35
Admin	Office Administrator	\$ 6,327.67	\$ 6,644.06	\$ 6,976.26	\$ 7,325.07	\$ 7,691.33
Field Operations	Assistant Mosquito Control Technician	\$ 6,378.13				
Field Operations	Mosquito Control Technician	\$ 6,711.28	\$ 7,046.82	\$ 7,399.14	\$ 7,769.13	\$ 8,156.22
Field Operations	Vector Biologist	\$ 8,564.02	\$ 8,991.31			
Laboratory	Assistant Vector Scientist	\$ 6,381.26				
Laboratory	Associate Vector Scientist	\$ 6,717.12	\$ 7,052.98	\$ 7,405.63	\$ 7,782.37	\$ 8,169.88
Laboratory	Vector Scientist	\$ 8,651.25	\$ 9,100.36	\$ 9,574.53		
Admin	Public Outreach Coordinator	\$ 7,201.07	\$ 7,561.12	\$ 7,939.18	\$ 8,336.14	\$ 8,752.95
Admin	Mechanical Specialist	\$ 8,486.96	\$ 8,705.16	\$ 8,928.35	\$ 9,156.57	\$ 9,392.12
Admin	IT Director	\$ 8,692.65	\$ 8,916.53	\$ 9,143.90	\$ 9,378.31	\$ 9,620.34
Admin	Regulatory & Public Affairs Director	\$ 8,734.04	\$ 8,959.01	\$ 9,187.43	\$ 9,422.96	\$ 9,666.16
Laboratory	Lab Director	\$ 8,844.84	\$ 9,310.07	\$ 9,801.55	\$ 10,317.51	\$ 10,859.05
Field Operations	Field Operations Supervisor	\$ 8,866.74	\$ 9,334.81	\$ 9,826.21	\$ 10,343.02	\$ 10,860.24

Fiscal Year 2021/22 (July 1, 2021 - June 30, 2022)						
4% Increase						
		Salary Steps				
Department	Position	Minimum				Maximum
		1	2	3	4	5
Admin	General Manager					\$ 15,016.91
Admin	Accounting Associate ¹	\$ 5,156.21	\$ 5,414.03	\$ 5,684.72	\$ 5,968.96	\$ 6,267.41
Admin	Office Administrator	\$ 6,580.78	\$ 6,909.82	\$ 7,255.31	\$ 7,618.08	\$ 7,998.98
Field Operations	Assistant Mosquito Control Technician	\$ 6,633.26				
Field Operations	Mosquito Control Technician	\$ 6,979.73	\$ 7,328.70	\$ 7,695.11	\$ 8,079.90	\$ 8,482.47
Field Operations	Vector Biologist	\$ 8,906.58	\$ 9,350.96			
Laboratory	Assistant Vector Scientist	\$ 6,636.51				
Laboratory	Associate Vector Scientist	\$ 6,985.80	\$ 7,335.10	\$ 7,701.86	\$ 8,093.67	\$ 8,496.67
Laboratory	Vector Scientist	\$ 8,997.30	\$ 9,464.37	\$ 9,957.52		
Admin	Public Outreach Coordinator	\$ 7,489.11	\$ 7,863.57	\$ 8,256.75	\$ 8,669.58	\$ 9,103.06
Admin	Mechanical Specialist	\$ 8,826.44	\$ 9,053.37	\$ 9,285.48	\$ 9,522.83	\$ 9,767.80
Admin	Financial & HR Specialist ¹	\$ 8,070.32	\$ 8,473.84	\$ 8,897.53	\$ 9,342.40	\$ 9,809.52
Admin	IT Director	\$ 9,040.36	\$ 9,273.19	\$ 9,509.66	\$ 9,753.44	\$ 10,005.15
Admin	Regulatory & Public Affairs Director	\$ 9,083.40	\$ 9,317.37	\$ 9,554.93	\$ 9,799.87	\$ 10,052.80
Laboratory	Lab Director	\$ 9,198.64	\$ 9,682.48	\$ 10,193.61	\$ 10,730.21	\$ 11,293.41
Field Operations	Field Operations Supervisor	\$ 9,221.41	\$ 9,708.20	\$ 10,219.26	\$ 10,756.74	\$ 11,294.65

1 - The Accounting Associate position was reclassified to Financial & HR Specialist in May 2022.

Effective: July 1, 2019
Revised: February 12, 2025

Adopted by the Alameda County Mosquito Abatement District on behalf of the Board of Trustees as of February 12, 2025.

Alameda County Mosquito Abatement District
Publicly Available Pay Schedule
Monthly Salary Schedule

Fiscal Year 2022/23 (July 1, 2022 - June 30, 2023)						
5% increase		Salary Steps				
Department	Position	Minimum				Maximum
		1	2	3	4	5
Admin	General Manager					\$ 15,767.75
Field Operations	Assistant Mosquito Control Technician	\$ 6,964.92				
Field Operations	Mosquito Control Technician	\$ 7,328.72	\$ 7,695.14	\$ 8,079.87	\$ 8,483.90	\$ 8,906.59
Field Operations	Vector Biologist	\$ 9,351.91	\$ 9,818.51			
Laboratory	Assistant Vector Scientist	\$ 6,968.34				
Laboratory	Associate Vector Scientist	\$ 7,335.09	\$ 7,701.86	\$ 8,086.95	\$ 8,498.35	\$ 8,921.50
Laboratory	Vector Scientist	\$ 9,447.17	\$ 9,937.59	\$ 10,455.40		
Admin	Public Outreach Coordinator	\$ 7,863.57	\$ 8,256.75	\$ 8,669.56	\$ 9,103.06	\$ 9,558.21
Admin	Mechanical Specialist	\$ 9,267.76	\$ 9,506.04	\$ 9,749.75	\$ 9,998.97	\$ 10,256.19
Admin	Financial & HR Specialist	\$ 8,473.84	\$ 8,897.53	\$ 9,342.41	\$ 9,809.53	\$ 10,300.01
Admin	IT Director	\$ 9,492.38	\$ 9,736.85	\$ 9,985.14	\$ 10,241.11	\$ 10,505.41
Admin	Regulatory & Public Affairs Director	\$ 9,537.57	\$ 9,783.24	\$ 10,032.68	\$ 10,289.86	\$ 10,555.44
Laboratory	Lab Director	\$ 9,658.57	\$ 10,166.60	\$ 10,703.29	\$ 11,266.72	\$ 11,858.08
Field Operations	Field Operations Supervisor	\$ 9,682.48	\$ 10,193.61	\$ 10,730.22	\$ 11,294.58	\$ 11,859.38

Fiscal Year 2023/24 (July 1, 2023 - June 30, 2024)						
5% increase		Salary Steps				
Department	Position	Minimum				Maximum
		1	2	3	4	5
Admin	General Manager ¹				\$ 16,556.14	\$ 18,698.75
Field Operations	Assistant Mosquito Control Technician	\$ 7,313.17				
Field Operations	Mosquito Control Technician	\$ 7,695.15	\$ 8,079.89	\$ 8,483.86	\$ 8,908.09	\$ 9,351.92
Field Operations	Vector Biologist	\$ 9,819.50	\$ 10,309.43			
Laboratory	Assistant Vector Scientist	\$ 7,316.75				
Laboratory	Associate Vector Scientist	\$ 7,701.84	\$ 8,086.95	\$ 8,491.30	\$ 8,923.27	\$ 9,367.58
Laboratory	Vector Scientist	\$ 9,919.52	\$ 10,434.47	\$ 10,978.17		
Admin	Public Outreach Coordinator	\$ 8,710.86	\$ 9,146.40	\$ 9,603.72	\$ 10,083.91	\$ 10,588.10
Admin	Mechanical Specialist	\$ 8,859.68	\$ 9,302.66	\$ 9,767.80	\$ 10,256.19	\$ 10,769.00
Admin	Financial & HR Specialist	\$ 8,897.53	\$ 9,342.41	\$ 9,809.53	\$ 10,300.01	\$ 10,815.01
Admin	IT Director	\$ 9,682.71	\$ 10,166.85	\$ 10,675.19	\$ 11,208.95	\$ 11,769.39
Admin	Regulatory & Public Affairs Director	\$ 10,807.84	\$ 11,348.23	\$ 11,915.64	\$ 12,511.43	\$ 13,137.00
Laboratory	Lab Director	\$ 11,025.08	\$ 11,576.33	\$ 12,155.15	\$ 12,762.91	\$ 13,401.05
Field Operations	Field Operations Supervisor	\$ 10,915.92	\$ 11,461.72	\$ 12,034.80	\$ 12,636.54	\$ 13,268.37

Fiscal Year 2024/25 (July 1, 2024 - June 30, 2025)						
4% Increase		Salary Steps				
Department	Position	Minimum				Maximum
		1	2	3	4	5
Admin	General Manager					\$ 18,698.75
Field Operations	Assistant Mosquito Control Technician	\$ 7,605.69				
Field Operations	Mosquito Control Technician	\$ 8,002.96	\$ 8,403.09	\$ 8,823.21	\$ 9,264.41	\$ 9,726.00
Field Operations	Vector Biologist	\$ 10,212.28	\$ 10,721.81			
Laboratory	Assistant Vector Scientist	\$ 7,609.42				
Laboratory	Associate Vector Scientist	\$ 8,009.92	\$ 8,410.43	\$ 8,830.95	\$ 9,280.20	\$ 9,742.28
Laboratory	Vector Scientist	\$ 10,316.30	\$ 10,851.85	\$ 11,417.29		
Admin	Community Liaison	\$ 8,823.21	\$ 9,264.41	\$ 9,726.00	\$ 10,212.28	\$ 10,721.81
Admin	Public Education Officer ²	\$ 9,240.48	\$ 9,702.50	\$ 10,187.63	\$ 10,697.01	\$ 11,231.86
Admin	Mechanical Specialist	\$ 9,214.07	\$ 9,674.77	\$ 10,158.51	\$ 10,666.43	\$ 11,199.75
Admin	Financial & HR Specialist	\$ 9,253.43	\$ 9,716.10	\$ 10,201.91	\$ 10,712.01	\$ 11,247.61
Admin	IT Director	\$ 10,271.41	\$ 10,784.98	\$ 11,324.23	\$ 11,890.44	\$ 12,484.96
Admin	Regulatory & Public Affairs Director	\$ 11,464.96	\$ 12,038.21	\$ 12,640.12	\$ 13,272.12	\$ 13,935.73
Laboratory	Lab Director	\$ 11,695.41	\$ 12,280.18	\$ 12,894.19	\$ 13,538.90	\$ 14,215.84
Field Operations	Field Operations Supervisor	\$ 11,579.61	\$ 12,158.59	\$ 12,766.52	\$ 13,404.85	\$ 14,075.09

1 - The General Managers Salary was \$16,556.14 from July 1, 2023 to April 30, 2024. Effective May 1, 2024, the board approved an increase to \$18,698.75 through June 30, 2025.
2 - The Public Outreach Coordinator title was changed to Public Education Officer in February 2025.

Effective: July 1, 2022
Revised: February 12, 2025

Adopted by the Alameda County Mosquito Abatement District on behalf of the Board of Trustees as of February 12, 2025.

MEMORANDUM OF UNDERSTANDING BETWEEN THE ALAMEDA COUNTY
MOSQUITO ABATEMENT DISTRICT EMPLOYEES' ASSOCIATION AND THE
ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

The MEMORANDUM OF UNDERSTANDING is entered into by the Trustees of the Alameda County Mosquito Abatement District and the Alameda County Mosquito Abatement District Employees' Association and covers wages and benefits for fiscal years 2022/23, 2023/24 and 2024/25.

In fiscal year 2022/23 wages will have an increase of 5%.

Position	Step 1	Step 2	Step 3	Step 4	Step 5
Assistant Mosquito Control Technician	\$6,964.92				
Mosquito Control Technician	\$7,328.72	\$7,695.14	\$8,079.87	\$8,483.90	\$8,906.59
Vector Biologist	\$9,351.91	\$9,818.51			
Assistant Vector Scientist	\$6,968.34				
Associate Vector Scientist	\$7,335.09	\$7,701.86	\$8,086.95	\$8,498.35	\$8,921.50
Vector Scientist	\$9,447.17	\$9,937.59	\$10,455.40		
Public Outreach Coordinator	\$7,863.57	\$8,256.75	\$8,669.59	\$9,103.06	\$9,558.21
Mechanical Specialist	\$9,267.76	\$9,506.04	\$9,749.75	\$9,998.97	\$10,256.19
Financial & HR Specialist	\$8,473.84	\$8,897.53	\$9,342.41	\$9,809.53	\$10,300.01
IT Director	\$9,492.38	\$9,736.85	\$9,985.14	\$10,241.11	\$10,505.41
Regulatory & Public Affairs Director	\$9,537.57	\$9,783.24	\$10,032.68	\$10,289.86	\$10,555.44
Lab Director	\$9,658.57	\$10,166.60	\$10,703.29	\$11,266.72	\$11,858.08
Field Operations Supervisor	\$9,682.48	\$10,193.61	\$10,730.22	\$11,294.58	\$11,859.38

In fiscal year 2023/24 wages will have an increase of 5%.

Position	Step 1	Step 2	Step 3	Step 4	Step 5
Assistant Mosquito Control Technician	\$7,313.17				
Mosquito Control Technician	\$7,695.15	\$8,079.89	\$8,483.86	\$8,908.09	\$9,351.92
Vector Biologist	\$9,819.50	\$10,309.43			
Assistant Vector Scientist	\$7,316.75				
Associate Vector Scientist	\$7,701.84	\$8,086.95	\$8,491.30	\$8,923.27	\$9,367.58
Vector Scientist	\$9,919.52	\$10,434.47	\$10,978.17		
Public Outreach Coordinator	\$8,710.86	\$9,146.40	\$9,603.72	\$10,083.91	\$10,588.10
Mechanical Specialist	\$8,859.68	\$9,302.66	\$9,767.80	\$10,256.19	\$10,769.00
Financial & HR Specialist	\$8,897.53	\$9,342.41	\$9,809.53	\$10,300.01	\$10,815.01
IT Director	\$9,682.71	\$10,166.85	\$10,675.19	\$11,208.95	\$11,769.39
Regulatory & Public Affairs Director	\$10,807.84	\$11,348.23	\$11,915.64	\$12,511.43	\$13,137.00
Lab Director	\$11,025.08	\$11,576.33	\$12,155.15	\$12,762.91	\$13,401.05
Field Operations Supervisor	\$10,915.92	\$11,461.72	\$12,034.80	\$12,636.54	\$13,268.37

In fiscal year 2024/25 wages will have an increase of 4%.

Position	Step 1	Step 2	Step 3	Step 4	Step 5
Assistant Mosquito Control Technician	\$7,605.70				
Mosquito Control Technician	\$8,002.96	\$8,403.09	\$8,823.21	\$9,264.41	\$9,726.00
Vector Biologist	\$10,212.28	\$10,721.81			
Assistant Vector Scientist	\$7,609.42				
Associate Vector Scientist	\$8,009.92	\$8,410.43	\$8,830.95	\$9,280.20	\$9,742.28
Vector Scientist	\$10,316.30	\$10,851.85	\$11,417.29		
Community Liaison	\$8,823.21	\$9,264.41	\$9,726.00	\$10,212.28	\$10,721.81
Public Education Officer*	\$9,240.48	\$9,702.50	\$10,187.63	\$10,697.01	\$11,231.86
Mechanical Specialist	\$9,214.07	\$9,674.77	\$10,158.51	\$10,666.43	\$11,199.76
Financial & HR Specialist	\$9,253.43	\$9,716.10	\$10,201.91	\$10,712.01	\$11,247.61
IT Director	\$10,271.41	\$10,784.98	\$11,324.23	\$11,890.44	\$12,484.96
Regulatory & Public Affairs Director	\$11,464.96	\$12,038.21	\$12,640.12	\$13,272.12	\$13,935.73
Lab Director	\$11,695.41	\$12,280.18	\$12,894.19	\$13,538.90	\$14,215.84
Field Operations Supervisor	\$11,579.61	\$12,158.59	\$12,766.52	\$13,404.85	\$14,075.09

* The Public Outreach Coordinator title was changed to Public Education Officer in February 2025.

Longevity Pay

Employees will have their wages, as indicated above, adjusted for longevity based upon the following schedule:

<u>Years of Service</u>	<u>Total Increase</u>
After 5 years	1%
After 10 years	2%
After 15 years	3%
After 20 years	4%
After 25 years	5%
After 30 years	6%
After 35 years	7%
After 40 years	8%

FRINGE BENEFITS (during the life of this Memorandum of Understanding)

The District shall pay the benefits as described below:

Public Employees' Retirement System (CalPERS)

Employees will pay Employee share of member contributions to the CalPERS retirement system. The District will pay the balance of retirement contributions to the system.

Deferred Compensation

The District will contribute .5% of salary into the deferred compensation plan, by the District on behalf of the employee. In only fiscal year 2024/25, 1.5% of salary will be contributed to the District's deferred compensation plan, by the District on behalf of employee.

Health Benefits

The District will pay the full premium for health insurance for the employee and any dependents up to the Bay Area/Sacramento medical rate for the plan used by the majority of employees.

Dental Coverage

The District will pay the full premium for dental insurance with Delta Dental for the employee and any dependents. The plan pays for covered dental benefits up to \$1,500.

Vision

The District pays the full premium for vision insurance with Vision Service Providers (VSP) for the employee and any dependents.

Life Insurance

The District shall pay the full premium per employee for the District's \$25,000 term-life insurance program paying any increased costs in the year covered by the agreement.

Disability Insurance

The District authorizes the employees to participate in short-term and/or long-term disability insurance plans to be reimbursed by the District at the current salary standard SDI rate.

Health Insurance for Retirees

The District shall continue to pay the health care premiums for retirees and their spouses using the same formula as the Health Benefits for employees. Per ACMAD Resolution 879.1 and the California Government Code (CGS) §22893, the vesting schedule has been established as follows for employees hired after 10/1/13 reaching 50 years of age, with 5 years of credited service deriving from ACMAD:

Credit Years of Service	Percentage of Employer Contribution
10	50
11	55
12	60
13	65
14	70
15	75
16	80
17	85
18	90
19	95
20	100

Dental Insurance for Retirees

The District shall also pay the dental premiums for all retirees and their spouses, following the above vesting schedule, with a retirement date of April 30, 1986 and after. Vision care will be provided to all qualified retirees. (Refers to minutes of 6-29-83.)

Medicare Plan B for Retirees

The District will reimburse retired employees a maximum of \$100 for employees and spouses per month following the credit years of service vesting schedule listed above.

Vacation, Sick Leave, Special Leave, Working Conditions

The vacation plan, special leave, and other working conditions are as stated in the District Policies approved by the Board of Trustees.

A total of fourteen holidays and one floating holiday will remain as previously scheduled (District Policy).

The Board of Trustees has provided the employees an option from the Public Employees' Retirement System (PERS) which allows employees to accumulate sick leave at a rate of 12 days per year. At retirement, the balance of unused sick leave can be converted to PERS service credit at a rate of .004 years of service credit/ 8 hours if requested within 4 months of separation (CGS §20965).

The Board of Trustees, in the interest of providing the public with extended service hours, has also provided the employees with the option of a flexible work schedule. At the discretion of the manager, this schedule will be available to all employees throughout the year.

Exempt employees will be given 40 hours of administrative leave to supplement work over 40 hours per week. This leave is given every July 1st and does not accumulate. Flexible schedules and adjustments are subject to District Manager approval.

The Board agrees to pay the above salaries and benefits during the life of this Memorandum of Understanding; at which time a new agreement may be reached through employee consultations.

The foregoing was submitted to the Board of Trustees of the District by the Salary Committee at its regular Board Meeting and agreed to on March 9th, 2022, including the addition of Medicare Plan B language and the Financial & HR Specialist position at the April 13th, 2022, regular Board meeting.

At the November 8, 2023, regular board meeting, the District approved management's request to adjust the salaries for the following positions: Public Outreach Coordinator, IT Director, Regulatory & Public Affairs Director, Lab Director, and Field Operations Supervisor. To maintain consistency across all positions, the Mechanical Specialist position, along with the IT Director and Regulatory & Public Affairs Director, will change from a 2.5% increase between steps to a 5% increase between steps. This adjustment will also require an update to district policy §301.2.3.

Executed this _____ day of _____ 2025
 Effective: February 12, 2025

For the Alameda County Mosquito
 Abatement District

 Tyler Savage, CHAIR - SALARY COMMITTEE

EMPLOYEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT:

Dereje Alemayehu

Nick Appice

Miguel Barretto

John Busam

Neil Campbell

Erika Castillo

Robert Ferdan

Erick Gaona

Eric Haas-Stapleton

Joseph Huston

Sarah Lawton

Judith Pierce Davison

Alex Roache

Michelle Robles

Ben Rusmisel

Danny Sharkey

Mark Wieland

Ryan Clausnitzer, General Manager

Public Education Officer

DEFINITION

The Public Education Officer, under the direction of the District's Regulatory and Public Affairs Director, engages in outreach that promotes knowledge of mosquitoes, mosquito control, and mosquito related public health issues in Alameda County. The Public Education Officer will utilize various and creative methods to inform and educate the public, evaluate the impact of outreach and education programs, record requests for service from the public, and participate in other mosquito control activities as assigned.

DISTINGUISHING CHARACTERISTICS

This class is distinguished from all other technical and professional classifications at the District through its specialized responsibilities in the areas of education, public outreach, and program evaluation. The Public Education Officer performs the full range of tasks and duties necessary to expand and promote the District's public outreach and education program.

SUPERVISION RECEIVED AND EXERCISED

The Regulatory and Public Affairs Director provides immediate and general supervision, which may be supplemented by the Information and Technology Director or the General Manager.

Accountability

The employee is accountable to the Regulatory and Public Affairs Director to ensure that education and public outreach programs are effective and carried out in accordance with District policies, California Health and Safety Code Standards, and Federal laws. Assignments may be specific or general with only desired results being specified. Recommendations on improvements to District activities is expected.

The employee is responsible for complying with all District safety requirements and practices.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

Essential functions may include, but are not limited to the following:

- Interact with community members via the District's phone, email, text, and website systems;
- Record service requests from the public;
- Maintain and produce content for District web sites and social media;
- Assist with developing age-, grade-, and standards-appropriate educational curriculum;
- Drive a District vehicle to sites throughout Alameda County;
- Coordinate and/or work at public events which occasionally occur on the weekend;
- Follow District safety procedures and other regulatory requirements when using District equipment;
- Develop strategies, plans, and innovative programs and services that maintain and enhance community relations such as providing presentations to various clubs, organizations, schools, and city and county agencies;
- Evaluate District programs, public outreach methods and materials using analytical software such as Microsoft Power BI, Microsoft Excel, Tableau, and ArcGIS;
- Maintain a database for analyzing the educational and outreach activities
- Prepare reports that record daily activities;

- Attendance and punctuality that is observant of scheduled hours on a regular basis; and
- Other duties as assigned.

EMPLOYMENT STANDARDS

Knowledge

- Effective methods used in preparing and presenting facts, and communicating information to the public and media;
- Principles of public health;
- K-12 educational curriculum development;
- Computer software applications used for word processing, presenting, web page development, data visualization, and graphic design; and
- Experience with methods for analyzing and visualizing data.

Skills

- Prioritize multiple tasks using planning, organizational, and time management skills;
- Communicate effectively and clearly in English both orally and in writing, make presentations, keep detailed records, and prepare written reports;
- Interact effectively with District staff and representatives of public and private agencies;
- Use of mapping software for navigation while driving; and
- Operate standard business computer hardware, mobile devices, and related software applications.

Abilities

- Highly organized, motivated, and able to work independently in a collaborative team-oriented setting;
- Develop timelines and meet deadlines;
- Be flexible and able to change projects or priorities on a regular basis;
- Apply deductive reasoning, strategic and analytical thinking skills to draw conclusions, make decisions, and solve problems;
- Perform standard data processing using computer software;
- Establish and maintain effective working relationships with those contacted in the course of work;
- Communicate with the public in a tactful, courteous, and professional manner; and
- Operate a motor vehicle and other specialized types of transport associated with mosquito control in a safe and legal manner.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Education/Training and Experience Guidelines

Any combination equivalent to experience and training that would likely provide the required knowledge and abilities would be qualifying. A typical way to obtain the knowledge and abilities would be:

Experience, Education, and Training

A bachelor's degree from an accredited college or university with major course work in communications, journalism, marketing, education, public relations, business, or related field is required.

License or Certificate

The ability to obtain and maintain a valid California Driver's license issues by the State Department of Motor Vehicles and must be insurable under the guidelines set forth by the District's insurance carrier.

Possession of or ability to obtain and maintain Vector Control Technician Certification from the California Department of Public Health within one year of employment for:

- Mosquito Control Technician Certificate (Category A and B)
- Terrestrial invertebrate control specialty (Category C)
- Vertebrate vector control specialty (Category D)

WORKING CONDITIONS/PHYSICAL REQUIREMENTS

Essentially the employee's working hours are spent in an office, education or outreach setting, and driving between locations. Work generally involves a high degree sitting and extended exposure to computer screens. There may be some light to moderate physical work in the handling of supplies, files, computer equipment, etc.

Essential duties require the following physical abilities and work environment:

Requires adequate vision (which may be corrected) to read, write, perform fine technical computer work, and safely operate in the conditions listed below. Requires adequate hearing (which may be corrected) to hear alarms, horns, use of telephones, and radios; be without physical limitations that would prevent driving a District vehicle and to set up classroom presentations. Perform simple gripping, grasping and fine manipulation; in addition, perform repetitive keystrokes on a computer keyboard. Use a telephone and communicate through written and electronic means.

Working Conditions

- Work is performed indoors in a carpeted and air-conditioned office environment with natural and fluorescent lighting and moderate noise level. Work is frequently disrupted by the need to respond to in-person and telephone inquiries.
- Medium Work – Incumbent performs work, which involves frequent use of a keyboard while seated and viewing a computer monitor, lifting, pushing and/or pulling of objects of approximately 25 pounds. Heavier lifting is an infrequent aspect of this position.
- Mobility – Incumbent must have complete and normal mobility of arms to reach and dexterity of hands to grasp and manipulate small objects.
- Other Conditions – Incumbent may be exposed to and handle toxic and hazardous substances for mosquito control; be available on call for evening and weekend emergencies, as assigned; travel within and out of the county; work, when necessary, in inclement weather including sun, cold, and rain.

Adopted Date: 5/13/2025

Revised: 2/12/2025

Retitled: 2/12/2025

FLSA Designation: Non-Exempt

Unit: ACMAD Employee Association

Cal. Code Regs. Tit. 2, § 570.5 - Requirement for a Publicly Available Pay Schedule

[State Regulations](#) [Compare](#)

(a) For purposes of determining the amount of "compensation earnable" pursuant to Government Code Sections 20630, 20636, and 20636.1, payrate shall be limited to the amount listed on a pay schedule that meets all of the following requirements:

- (1) Has been duly approved and adopted by the employer's governing body in accordance with requirements of applicable public meetings laws;
- (2) Identifies the position title for every employee position;
- (3) Shows the payrate for each identified position, which may be stated as a single amount or as multiple amounts within a range;
- (4) Indicates the time base, including, but not limited to, whether the time base is hourly, daily, bi-weekly, monthly, bi-monthly, or annually;
- (5) Is posted at the office of the employer or immediately accessible and available for public review from the employer during normal business hours or posted on the employer's internet website;
- (6) Indicates an effective date and date of any revisions;
- (7) Is retained by the employer and available for public inspection for not less than five years; and
- (8) Does not reference another document in lieu of disclosing the payrate.

(b) Whenever an employer fails to meet the requirements of subdivision (a) above, the Board, in its sole discretion, may determine an amount that will be considered to be payrate, taking into consideration all information it deems relevant including, but not limited to, the following:

- (1) Documents approved by the employer's governing body in accordance with requirements of public meetings laws and maintained by the employer;
- (2) Last payrate listed on a pay schedule that conforms to the requirements of subdivision (a) with the same employer for the position at issue;
- (3) Last payrate for the member that is listed on a pay schedule that conforms with the requirements of subdivision (a) with the same employer for a different position;
- (4) Last payrate for the member in a position that was held by the member and that is listed on a pay schedule that conforms with the requirements of subdivision (a) of a former CalPERS employer.

Notes

Cal. Code Regs. Tit. 2, § 570.5

1. New section filed 7-11-2011; operative 8-10-2011 (Register 2011, No. 28).

Note: Authority cited: Sections 20120 and 20121, Government Code. Reference: Sections 20630, 20636 and 20636.1, Government Code.

1. New section filed 7-11-2011; operative 8-10-2011 (Register 2011, No. 28).

ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

Objective and Scope		
CalPERS ID	Job Number	Contract Date
5854416969	3P23-001	January 1, 1946

The objective of the Office of Audit Services (OFAS) review was to determine whether public agency (employer) pay schedules and reported payrates for Classic members were in compliance with Government Code (GC) section 20636 and Title 2 of the California Code of Regulations (CCR) section 570.5.

GC section 20636 defines payrate, in part, as the normal monthly rate of pay or base pay of the member paid pursuant to publicly available pay schedules for services rendered on a full-time basis during normal working hours. In accordance with CCR section 570.5, payrate shall be limited to the amount listed on a pay schedule that meets all of the following requirements:

- Has been duly approved and adopted by the employer’s governing body in accordance with requirements of applicable public meetings laws;
- Identifies the position title for every employee position;
- Shows the payrate for each identified position, which may be stated as a single amount or as multiple amounts within a range;
- Indicates the time base, including, but not limited to, whether the time base is hourly, daily, bi-weekly, monthly, bi-monthly, or annually;
- Is posted at the office of the employer or immediately accessible and available for public review from the employer during normal business hours or posted on the employer’s internet website;
- Indicates an effective date and date of any revisions;
- Is retained by the employer and available for public inspection for not less than five years; and
- Does not reference another document in lieu of disclosing the payrate.

Pay schedules and reported payrates that are not in compliance may result in miscalculation of employer contributions, delays in processing member retirement benefits, inaccurate retirement estimates, incorrect payment of benefits, a reduction in benefits and increased administrative costs for employers for processing required corrections to all impacted employee accounts for the period the misreporting occurred.

OFAS’ review included procedures to determine if the employer properly maintained publicly available pay schedules in accordance with CCR section 570.5 and reported payrates to CalPERS in accordance with approved pay schedules. The review was limited to the examination of a sample of active and retired employee records and pay schedules for the period of July 1, 2021 through June 30, 2024. Unless otherwise specified, OFAS did not review employer compliance with the Public Employees’ Retirement Law (PERL) in regard to any areas outside the scope described herein, including, but not limited to, membership eligibility and enrollment, contribution amounts and rates, additional compensation, regular earnings, employment after retirement, retirement benefit calculations, and other requirements not specified in the scope.

ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

Results in Brief

No.	Area	Observations
1	Pay Schedules Not in Compliance	<p>The Employer's pay schedule was not in compliance with the requirements for a publicly available pay schedule for five sampled employees. For example, for one employee, the Employer reported a monthly payrate of \$18,480.90 for the pay period ended July 15, 2021. However, the Employer's revised Alameda County Mosquito Abatement District Employees' Association pay schedule for fiscal year 2021-22 was not duly approved and adopted by the Employer's governing body in an open session, did not identify the employee's General Manager position and payrate, did not indicate the time base for payrates listed, and did not indicate an effective date or a revision date. As a result, the Employer's pay schedule did not meet all requirements of a publicly available pay schedule and the payrates reported for the sampled employees did not meet the definition of payrate.</p> <p>CCR section 570.5 states that payrates must be reported pursuant to a publicly available pay schedule that has been duly approved and adopted by the employer's governing body in accordance with requirements of applicable public meetings laws. In addition, pay schedules must identify the payrate and position title for every employee position, indicate the time base, effective date, and date of any revisions, is retained and available for not less than five years, and must not reference another document in lieu of disclosing the payrate. The Employer explained they were not aware that the language on their pay schedules and the approval signatures on their Memorandum of Understanding were not sufficient to demonstrate compliance with pay schedule requirements.</p>
2	Payrates Included Additional Compensation	<p>The Employer incorrectly included additional compensation in the reported payrate for three sampled employees. Specifically, the Employer included additional compensation, such as bonus pay and pay earned for multiple pay periods, in the reported payrate. For example, for one employee, the Employer reported a monthly payrate of \$10,613.16 in the pay period ending August 15, 2022. However, the reported payrate included pay earned of \$57.72 in the period July 1, 2022 through July 31, 2022. The Employer should have reported a monthly payrate of \$10,555.44 in the pay period ending</p>

ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

No.	Area	Observations
		<p>August 15, 2022 and should ensure payroll is correctly reported in the associated earned periods.</p> <p>In accordance with GC section 20636, subdivisions (b)(1) and (c)(3)(C), payrate is defined as the normal monthly rate of pay or base pay of the member, and each item of special compensation must be reported separately from payrate. The Employer was not aware that bonus pay and retroactive salary adjustments should not be included in the reported payrate and should also be reported in the period earned.</p>

Recommendation and Criteria

The Employer should ensure pay schedules meet the requirements for publicly available pay schedules pursuant to CCR section 570.5 and reported payrates meet the definition and requirements of payrates pursuant to GC section 20636 and CCR section 570.5. The Employer should work with CalPERS Employer Account Management Division to identify all active and retired members impacted and to determine what adjustments, if any, are needed to correct pay schedules not in compliance and any improperly reported payrates. Additionally, the Employer should make adjustments, if necessary, to any impacted active and retired member accounts in accordance with GC section 20160.

GC: § 20120, § 20121, § 20122, § 20160, and § 20636
 CCR: § 570.5

Other Matters

OFAS identified one other matter that was outside the scope of this review. This matter was discussed with the Employer. OFAS encourages the Employer to work with CalPERS to ensure compliance with the PERL.

No.	Area	Description
1	Special Compensation Reporting	The Employer incorrectly reported Longevity Pay for one sampled employee. The Employer reported Longevity Pay of \$62.25 for the pay period ending December 15, 2023. However, Employer records indicated the employee's authorized amount of Longevity Pay was \$67.01.

Conclusion

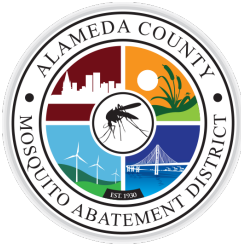
OFAS limited this review to the areas specified in the objective and scope section of this report. The review was conducted in accordance with the International Standards for the Professional Practice of Internal Auditing. Those standards require that we plan and perform the audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions. Sample testing procedures provide reasonable, but not absolute,

ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

assurance that the Employer complied with the specified provisions of the PERL, and the CalPERS contract subject to this review. The results outlined in this report are based on information made available or otherwise obtained at the time this report was prepared. This report does not constitute a final determination with regard to the results noted within the report. The appropriate CalPERS divisions will notify the Employer of the final determinations and provide appeal rights, if applicable, at that time.

Summarized Response

The Employer did not indicate agreement or disagreement with the Observations. However, the Employer stated they are taking the necessary steps to correct any discrepancies and prevent future issues. OFAS concluded the Observations will remain as stated.



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Proof-of-Concept Proposal to Implement an AI-Based Resident Communication Platform

Background: With the recent introduction of *Aedes aegypti* mosquitoes in our county, we eventually anticipate a surge in calls from the public based on this pattern seen in other jurisdictions. To meet this increase, we are seeking to develop an AI-enabled response system that will allow staff to focus on high-priority fieldwork. This proof-of-concept project is to develop and test an AI-powered communication platform to manage resident inquiries and service requests. This project combines a voice AI assistant to address and direct phone calls, and a multilingual assistant on our website that is integrated with our current MapVision service request system.

Evaluation: We evaluated several AI-enabled communication systems, and assessed ease of implementation, customization, and ability to integrate with Leading Edge's service request system.

AI Call Quality: Three companies provided us with demonstration AI call assistants to interact with. These numbers were shared with internal staff and external users to test how well the AI system handled interactions. Of those tested, Citibot clearly stood out as the best, delivering the most natural-sounding voice with the fastest response.

Website Assistant: Two of the companies had an AI-powered website assistant for evaluation. We tested each AI assistant for intuitive interface, advanced features, and dependable customer support. The Citibot web-AI provided clear, helpful, and timely responses, ensuring that users received the support they needed without frustration. Its integration with our website provider and ability to adapt to a diversity of requests further solidified its position as the preferred choice.

Recommendation:

Based on our evaluations, user testing, and feedback, staff recommends approving Citibot as a proof-of-concept AI-based resident communication platform. It is the only platform that could integrate effortlessly with our existing service request system. Its ability to seamlessly connect with both MapVision (Service Requests) and Streamline (Website) ensures a smooth transition without requiring significant modifications.

Attachments:

Quote #1: Citibot setup and first year of service - \$17,000

Quote #2: Leading Edge integration with Citibot - \$7,000

The Citibot Communication Platform provides AI-based chat solutions for residents and their governments for efficient and timely communication. Using text messaging (SMS) and web chat technology, the Citibot Communication Platform automates customer service and increases citizen engagement — building relationships of trust between Alameda Mosquito Control and its residents.

Citibot Communication Platform

- **Interactive VoiceChat**
 - Automated, fully integrated voice assistant that interacts with residents, providing a conversational customer service experience through a designated phone number using the Alameda Mosquito Control website and other designated publicly available content
 - Automated, fully integrated web assistant that interacts with web visitors, providing a conversational customer service experience through the Alameda County website
 - Residents can submit a service request, ask a question, find information, and send a direct message into staff workflow 24/7

Implementation

- Citibot Installation: Citibot to provide and activate Citibot phone number, install Citibot products via the cloud, set up the cloud storage, and facilitate training with Alameda Mosquito Control staff.
- Citibot to custom build and curate specific answers to questions if city staff would like to alter them.

Reporting & Analytics

- Citibot to set up a Citibot Analytic Dashboard for Alameda Mosquito Control to use as a real-time decision-making tool. As questions come in and issues are reported, Citibot analytics store the information, aggregate the information, and display the data in a user-friendly format.
- The data is stored in a secured cloud storage system indefinitely or as per state Freedom of Information Act Requirements mandate.
- Client to receive monthly reports via email from Citibot staff.

Marketing Services

- Onboarding packet includes Web Chat icon design, graphic design and copy for social campaign outreach for initial launch
- Press release for client to distribute announcing partnership and new service for residents
- Continued digital marketing support post-launch, including social media content and design

Other Ongoing Services

- Includes post-installation maintenance, hosting, support, integration management and software as a service (SaaS) management

Pricing	Year 1	Year 2	Year 3
Implementation Fee for Custom Voicebot	\$7,500	\$0	\$0
Integration Fee for Service Requests	\$2,500		
Webchat for the Alameda Mosquito Control Website	\$2,500	\$2,750	\$3,000
3,000 Voice Minutes per year	\$3,000	\$3,500	\$4,000
6,000 Voice Minutes per year	\$5,000	\$5,500	\$6,000



Alameda County Mosquito Abatement District - MapVision Citybot integration

Alameda County Mosquito Abatement District

23187 Connecticut St
Hayward, 94545
United States

Reference: 20250204-121534866

Quote created: February 4, 2025

Quote expires: May 5, 2025

Quote created by: Bill Reynolds

"President/CEO"

breynolds@leateam.com

+14074680008

Robert Ferdan

robert@mosquitoes.org
(510)783-7744

Comments from Bill Reynolds

1. The scope of work is to add a dedicated Web API to the Alameda MapVision Gen 2 system for the purpose of receiving a structured payload from the CitiBot team containing service request data limited to what is already available for input processing in MapVision's current SR module. This includes appropriate authentication and testing mechanisms for a private API, development / staging environment setup needs, and final deployment
2. Please note that Leading Edge has not yet met, discussed, or fully vetted the integration with the Citybot product. This may lead to increased final costs

Products & Services

Item & Description	SKU	Quantity	Unit Price	Total
MapVision CityBot Integration Service Request AI Automation		1	\$7,000.00	\$7,000.00
		One-time subtotal		\$7,000.00
		Total		\$7,000.00

Purchase terms

Net 30 days after receipt of invoice

Questions? Contact me



Bill Reynolds
"President/CEO"
breynolds@leateam.com
+14074680008

Leading Edge
506 Fentress Blvd, Ste B
Daytona Beach, FL 32114
US

The Citibot Communication Platform provides AI-based chat solutions for residents and their governments for efficient and timely communication. Using text messaging (SMS) and web chat technology, the Citibot Communication Platform automates customer service and increases citizen engagement — building relationships of trust between Alameda Mosquito Control and its residents.

Citibot Communication Platform

- **Interactive VoiceChat**
 - Automated, fully integrated voice assistant that interacts with residents, providing a conversational customer service experience through a designated phone number using the Alameda Mosquito Control website and other designated publicly available content
 - Automated, fully integrated web assistant that interacts with web visitors, providing a conversational customer service experience through the Alameda County website
 - Residents can submit a service request, ask a question, find information, and send a direct message into staff workflow 24/7

Implementation

- Citibot Installation: Citibot to provide and activate Citibot phone number, install Citibot products via the cloud, set up the cloud storage, and facilitate training with Alameda Mosquito Control staff.
- Citibot to custom build and curate specific answers to questions if city staff would like to alter them.

Reporting & Analytics

- Citibot to set up a Citibot Analytic Dashboard for Alameda Mosquito Control to use as a real-time decision-making tool. As questions come in and issues are reported, Citibot analytics store the information, aggregate the information, and display the data in a user-friendly format.
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Net 30 days after receipt of invoice

Questions? Contact me



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Leading Edge
506 Fentress Blvd, Ste B
Daytona Beach, FL 32114
US

Alameda County Mosquito Abatement Dist.
Check Register
For the Period From Jan 1, 2025 to Jan 15, 2025

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
4709	1/13/25	Airgas	679.43
4710	1/13/25	All-Ways Green Services	565.00
4711	1/13/25	AT&T	103.81
4712	1/13/25	Bhat, Subru	155.39
4713	1/13/25	Cintas	811.77
4714	1/13/25	City of Hayward	1,422.14
4715	1/13/25	Clarke	191.37
4716	1/13/25	Delta Dental	4,837.68
4717	1/13/25	Gannett California LocaliQ	2,377.90
4718	1/13/25	Industrial Park Landscape Maintenance	261.00
4719	1/13/25	PG&E	747.53
4720	1/13/25	Qaadri, Kashef	587.15
4721	1/13/25	The Hartford	107.19
4722	1/13/25	Treds	630.00
4723	1/13/25	UMPQUA Bank Commercial Card OPS (Credit card)	16,981.36
4724	1/13/25	UMPQUA Bank Commercial Card OPS (Fuel)	2,768.51
4725	1/13/25	Voya Institutional Trust Company	261.90
4726	1/13/25	VSP	612.62
ACH	1/13/25	Alameda County Mosquito Abatement Dist (Payroll)	104,817.92
ACH	1/13/25	CalPERS Retirement	20,604.58
ACH	1/13/25	CalPERS 457	4,932.06
ACH	1/13/25	Enterprise	298,008.96
Total Expenditures - January 15, 2025			462,465.27

Alameda County Mosquito Abatement Dist.
Check Register
For the Period From Jan 16, 2025 to Jan 31, 2025

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
4728	1/29/25	Airgas	862.76
4729	1/29/25	Bay Alarm	995.01
4730	1/29/25	Cintas	271.63
4731	1/29/25	Delta Dental	4,837.68
4732	1/29/25	Gabriel Metal Casting Inc.	50.59
4733	1/29/25	Industrial Park Landscape Maintenance	287.00
4734	1/29/25	KBA Docusys	758.86
4735	1/29/25	Knowles, Theresa	1,200.00
4736	1/29/25	Lam, Clarence	1,200.00
4737	1/29/25	Mar-Len Supply, Inc.	432.90
4738	1/29/25	MAZE & ASSOCIATES	1,455.00
4739	1/29/25	McMahon, Thomas J.	700.00
4740	1/29/25	NBC Supply Corp	152.84
4741	1/29/25	PC Professional	2,437.10
4742	1/29/25	PFM Asset Management LLC	1,888.58
4743	1/29/25	PG&E	1,600.37
4744	1/29/25	Roache, Alexander	629.46
4745	1/29/25	Rusmiser, John	2,400.00
4746	1/29/25	Treds	152.00
4747	1/29/25	Turney, Patrick	2,400.00
4748	1/29/25	Verizon	373.58
4749	1/29/25	Voya Institutional Trust Company	261.90
4750	1/29/25	WEX Bank	646.27
ACH	1/29/25	Alameda County Mosquito Abatement Dist (Payroll)	103,453.64
ACH	1/29/25	CalPERS Health	49,009.13
ACH	1/29/25	CalPERS Retirement	20,732.36
ACH	1/29/25	CalPERS 457	4,436.90
Total Expenditures - January 31, 2025			203,625.56



Account Summary




Billing Cycle		12/31/2024
Days In Billing Cycle		32
Previous Balance		\$33,616.90
Purchases	+	\$16,979.96
Cash	+	\$0.00
Balance Transfers	+	\$0.00
Special	+	\$0.00
Credits	-	\$0.00
Payments	-	\$33,616.90-
Other Charges	+	\$1.40
Finance Charges	+	\$0.00

NEW BALANCE \$16,981.36

Credit Summary

Total Credit Line	\$105,000.00
Available Credit Line	\$88,018.64
Available Cash	\$0.00
Amount Over Credit Line	\$0.00
Amount Past Due	\$0.00
Disputed Amount	\$0.00

Account Inquiries

-  Call us at: (866) 777-9013
Lost or Stolen Card: (866) 839-3485
-  Go to www.umpquabank.com
-  Write us at PO BOX 35142 - LB1181, SEATTLE, WA 98124-5142

Payment Summary

NEW BALANCE	\$16,981.36
MINIMUM PAYMENT	\$16,981.36
PAYMENT DUE DATE	01/25/2025

NOTE: Grace period to avoid a finance charge on purchases, pay entire new balance by payment due date. Finance charge accrues on cash advances until paid and will be billed on your next statement.

Corporate Activity

			TOTAL CORPORATE ACTIVITY	\$33,616.90-
Trans Date	Post Date	Reference Number	Transaction Description	Amount
12/17	12/17	000000L BX2412171665002	PAYMENT - THANK YOU	\$33,616.90-

PLEASE DETACH COUPON AND RETURN PAYMENT USING THE ENCLOSED ENVELOPE - ALLOW UP TO 7 DAYS FOR RECEIPT

UMPQUA BANK
PO BOX 35142 - LB1181
SEATTLE WA 98124-5142



Account Number

Check box to indicate name/address change on back of this coupon

AMOUNT OF PAYMENT ENCLOSED

Closing Date	New Balance	Total Minimum Payment Due	Payment Due Date
12/31/24	\$16,981.36	\$16,981.36	01/25/25

\$



ACMAD
23187 CONNECTICUT ST
HAYWARD CA 94545

e-Statement



MAKE CHECK PAYABLE TO:

UMPQUA BANK COMMERCIAL CARD OPS
PO BOX 35142 - LB1181
SEATTLE WA 98124-5142

Cardholder Account Summary					
RYAN CLAUSNITZER [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$2,272.00	Cash Advances \$0.00	Total Activity \$2,272.00

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
12/04	12/05	PPLN01	24493984340052926043588	EAST BAY TIMES HTTP://WWW.EA CA	\$14.00
12/04	12/05	PPLN01	24493984340052977424240	CSJ CONVNTION CTR GARAGE 4087941090 CA	\$25.00
12/05	12/06	PPLN01	24493984341053327512147	CSJ CONVNTION CTR GARAGE 4087941090 CA	\$23.00
12/06	12/08	PPLN01	24435654342043063024422	82932 CITYVIEW PLAZA SAN JOSE CA	\$25.49
12/06	12/08	PPLN01	24071054342627115697722	CALIFORNIA SPECIAL DIS SACRAMENTO CA	\$325.00
12/10	12/12	PPLN01	24231684346178281284785	SAFEWAY #2708 ALAMEDA CA	\$46.96
12/10	12/12	PPLN01	24231684346178281284793	SAFEWAY #2708 ALAMEDA CA	\$159.24
12/11	12/13	PPLN01	24071054347627188286036	CALIFORNIA SPECIAL DIS SACRAMENTO CA	\$325.00
12/11	12/13	PPLN01	24071054347627188286093	CALIFORNIA SPECIAL DIS SACRAMENTO CA	\$325.00
12/12	12/13	PPLN01	24801974348180188059263	MOSQUITO & VECTOR CONTRO 916-440-0826 CA	\$900.00
12/13	12/15	PPLN01	24431064348111237173076	FASTRAK CSC 415-486-8655 CA	\$25.00
12/16	12/17	PPLN01	24116414352184287469720	INDIA PALACE ALAMEDA CA	\$78.31

Cardholder Account Summary					
MICHELLE ROBLES [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$2,432.37	Cash Advances \$0.00	Total Activity \$2,432.37

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
12/03	12/04	PPLN01	24011344338000067868549	AMAZON RETA* ZL4PJ06A2 WWW.AMAZON.CO WA	\$120.48
12/04	12/05	PPLN01	24717054339273395969393	CINTAS CORP 972-9967900 OH	\$167.85
12/09	12/10	PPLN01	24692164344102262465319	CITY OF HAYWARD 510-583-4600 CA	\$566.88
12/09	12/10	PPLN01	24692164344102262466887	CITY OF HAYWARD 510-583-4600 CA	\$60.34
12/09	12/11	PPLN01	24054494345030040115371	HABIBI'S BIRRIA #2 HAYWARD CA	\$695.74
12/21	12/22	PPLN01	24692164357104961741390	WM.COM 866-909-4458 TX	\$348.74
12/21	12/22	PPLN01	24692164356104755261010	AMAZON MKTPL*Z970Y5LD1 Amzn.com/bill WA	\$12.34
12/20	12/22	PPLN01	24116414355716737434866	GOVERNMENT FINANCE OFFICE 312-977-9700 IL	\$460.00

Cardholder Account Summary					
ERIC HAAS-STAPLETON [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$27.42	Cash Advances \$0.00	Total Activity \$27.42

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
12/21	12/22	PPLN01	74601004356450631601124	ISOCKET 358-923-1630	\$26.88
12/21	12/22	PPLN01	74601004356450631601124	INTERNATIONAL TRANS FEE	\$0.54

Cardholder Account Summary					
ERIC HAAS-STAPLETON [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$1,143.47	Cash Advances \$0.00	Total Activity \$1,143.47

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
12/03	12/03	PPLN01	24036294338714922490152	UBER *TRIP HELP.UBER.COM CA	\$23.98
12/02	12/03	PPLN01	24137464338001636958691	TST* RITUAL COFFEE AT SFO SAN FRANCISCO CA	\$12.14
12/02	12/04	PPLN01	24692164338109183284446	TST*JIMMYS FAMOUS AMERI San Diego CA	\$27.99
12/02	12/04	PPLN01	24692164338109475287990	TST*MITCHS SEAFOOD San Diego CA	\$17.80

Cardholder Account Detail Continued					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
12/04	12/06	PPLN01	24943004340105992238335	HOLIDAY INN-BAYSIDE 6192243621 CA	\$310.18
12/04	12/06	PPLN01	24692164340101158628430	TST*JIMMYS FAMOUS AMERI San Diego CA	\$19.17
12/05	12/06	PPLN01	24013394340000955362109	60777 - SFO PARKING DD Q9 SAN FRANCISCO CA	\$75.00
12/06	12/08	PPLN01	24011344341000101101589	ZOOM.COM 888-799-9666 WWW.ZOOM.US CA	\$168.69
12/08	12/09	PPLN01	24692164343101497668870	AMAZON MKTPL*ZR2VY6421 Amzn.com/bill WA	\$51.84
12/30	12/31	PPLN01	24692164365102107079410	AMAZON MKTPL*ZE2AW9VT1 Amzn.com/bill WA	\$84.05
12/30	12/31	PPLN01	24027624365067163498912	ELIMBIO 510-427-8896 CA	\$252.63
12/30	12/31	PPLN01	24717054366153660233566	ALLERGY AND ASTHMA CONSUL 650-2166111 CA	\$100.00

Cardholder Account Summary					
ROBERT FERDAN [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$1,714.52	Cash Advances \$0.00	Total Activity \$1,714.52

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
11/27	12/01	PPLN01	24000974334757602006494	STARLINK INTERNET 310-6828100 CA	\$120.00
12/02	12/03	PPLN01	24000774337000016796777	WWW.USMOBILE.COM 187-82050088 NY	\$525.00
12/05	12/06	PPLN01	24692164341102003729141	MASABI_SJACERAIL 800-411-7245 CA	\$16.00
12/06	12/08	PPLN01	24692164342100107152391	MASABI_SJACERAIL 800-411-7245 CA	\$16.00
12/07	12/08	PPLN01	24492164342000016668929	OPENAI *CHATGPT SUBSCR HTTPSOPENAI.C CA	\$139.48
12/10	12/11	PPLN01	24692164346103941217046	GoToCom*GoToConnect goto.com MA	\$312.44
12/11	12/12	PPLN01	24692164346104224716647	COMCAST CALIFORNIA 800-COMCAST CA	\$263.29
12/13	12/13	PPLN01	24692164348106000327091	AMAZON MKTPL*ZX42O25Y0 Amzn.com/bill WA	\$199.32
12/21	12/22	PPLN01	24692164356104536214437	BUSINESS.APPLE.COM 800-275-2273 CA	\$2.99
12/27	12/30	PPLN01	24000974364928706724802	STARLINK INTERNET 310-6828100 CA	\$120.00

Cardholder Account Summary					
JOSEPH HUSTON [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$41.90	Cash Advances \$0.00	Total Activity \$41.90

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
12/02	12/03	PPLN01	24755424337273378668624	PACIFIC PUBLISHERS LLC 912-4724373 GA	\$41.90

Cardholder Account Summary					
ERIKA CASTILLO [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$99.40	Cash Advances \$0.00	Total Activity \$99.40

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
12/11	12/12	PPLN01	24692164337108763051630	AMAZON MKTPL*ZR9ZE1611 Amzn.com/bill WA	\$66.42
12/13	12/15	PPLN01	24036294348744701664154	VISTAPRINT 866-207-4955 MA	\$32.98

Cardholder Account Summary					
MARK WIELAND [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$4,148.43	Cash Advances \$0.00	Total Activity \$4,148.43

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
12/02	12/03	PPLN01	24692164337108763051630	SQ *PROPER VINYL GRAPHICS gosq.com CA	\$567.04
12/05	12/06	PPLN01	24055224341172776024148	ALAMEDA ELECTRICAL DISTR 5107861400 CA	\$174.44
12/06	12/08	PPLN01	24055234341173332026857	WALMART.COM 800-925-6278 AR	\$309.79
12/09	12/10	PPLN01	24755424345733453533167	GRAINGER 800-4724643 IL	\$67.35
12/09	12/10	PPLN01	24755424345733453544693	GRAINGER 800-4724643 IL	\$132.13

Cardholder Account Detail Continued					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
12/11	12/12	PPLN01	24011344346000087910909	AMAZON RETA* ZX64I7TA0 WWW.AMAZON.CO WA	\$44.96
12/14	12/15	PPLN01	24011344349000007925059	AMAZON RETA* ZX64881O1 WWW.AMAZON.CO WA	\$121.81
12/14	12/15	PPLN01	24692164349107363981168	AMZN Mktp US*ZX3OA59W0 Amzn.com/bill WA	\$181.64
12/13	12/15	PPLN01	24692164348106747517129	AMZN Mktp US*Z18DB0EA2 Amzn.com/bill WA	\$1,278.81
12/16	12/16	PPLN01	24011344351000038761734	AMAZON RETA* ZX9FV2U71 WWW.AMAZON.CO WA	\$99.66
12/16	12/17	PPLN01	24692164351109595173452	AMZN Mktp US*Z133231P0 Amzn.com/bill WA	\$606.60
12/19	12/20	PPLN01	24692164354102746817157	SQ *JUST SMOG Hayward CA	\$50.00
12/19	12/20	PPLN01	24692164354102796477233	SQ *JUST SMOG Hayward CA	\$200.00
12/19	12/20	PPLN01	24692164354102866265740	SQ *JUST SMOG Hayward CA	\$100.00
12/19	12/20	PPLN01	24137464355002024522725	USPS PO 0533360090 HAYWARD CA	\$6.04
12/20	12/22	PPLN01	24755424356153560127561	GRAINGER 800-4724643 IL	\$46.78
12/22	12/23	PPLN01	24692164357105577694600	CARPARTSCOM * 866-529-0412 CA	\$111.38
12/23	12/24	PPLN01	24692164358106657194668	SQ *JUST SMOG Hayward CA	\$50.00

Cardholder Account Summary				
MIGUEL BARRETTO [REDACTED]	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	\$0.00	\$5,101.85	\$0.00	\$5,101.85

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
11/30	12/01	PPLN01	24692164335106249405653	AMAZON MKTPL*Z33R86VM1 Amzn.com/bill WA	\$17.70
12/04	12/05	PPLN01	24692164339100842668490	INTEGRATED DNA TECH 800-328-2661 IA	\$441.89
12/05	12/05	PPLN01	24036294340716217323994	STERLITECH CORPORATION 253-437-0844 WA	\$393.11
12/05	12/06	PPLN01	24941504340172561000059	QIAGEN LLC 800-426-8157 MD	\$470.65
12/05	12/06	PPLN01	24692164340101295128542	AMAZON MKTPL*ZL63A1RX0 Amzn.com/bill WA	\$8.30
12/06	12/08	PPLN01	24692164341102597204188	AMAZON MKTPL*ZR0MJ2330 Amzn.com/bill WA	\$16.10
12/08	12/09	PPLN01	24692164344101936706769	INTEGRATED DNA TECH 800-328-2661 IA	\$105.08
12/11	12/11	PPLN01	24036294346718251806243	LIFETECHCORP*13103249 800-955-6288 CA	\$762.07
12/10	12/11	PPLN01	24692164345103674631570	AMZN Mktp US*ZX3B45CQ0 Amzn.com/bill WA	\$81.40
12/10	12/11	PPLN01	24492164346500004159787	GENEIOUS.COM 185-84545577 MA	\$595.00
12/11	12/12	PPLN01	24013394346002432027333	LGC GENOMICS LLC 978-2329430 MA	\$526.06
12/11	12/12	PPLN01	24692164346104320734460	AMAZON MKTPL*ZR0Q05S71 Amzn.com/bill WA	\$8.84
12/11	12/12	PPLN01	24692164346104753039528	AMAZON MKTPL*ZX6CT9J80 Amzn.com/bill WA	\$16.10
12/11	12/12	PPLN01	24692164346104026878827	OMEGA BIO-TEK 770-931-8400 GA	\$180.58
12/13	12/13	PPLN01	24692164348106010610288	AMAZON MKTPL*Z10RW7FF2 Amzn.com/bill WA	\$66.39
12/13	12/13	PPLN01	24692164348106096791499	AMAZON MKTPL*Z15LE6NS2 Amzn.com/bill WA	\$66.39
12/13	12/13	PPLN01	24692164348106068918815	AMAZON MKTPL*Z103S0LI2 Amzn.com/bill WA	\$14.38
12/13	12/13	PPLN01	24692164348106083109416	AMAZON MKTPL*Z19BC8NS2 Amzn.com/bill WA	\$66.39
12/13	12/15	PPLN01	24692164348106210836865	AMAZON MKTPL*Z198N0N72 Amzn.com/bill WA	\$66.39
12/13	12/15	PPLN01	24692164348106386597283	AMAZON MKTPL*ZX8Y608V0 Amzn.com/bill WA	\$66.39
12/13	12/15	PPLN01	24692164348106398951494	AMAZON MKTPL*ZX1YJ9820 Amzn.com/bill WA	\$66.39
12/17	12/18	PPLN01	24692164352100720467603	AMAZON MKTPL*Z138Q4QT0 Amzn.com/bill WA	\$35.44
12/18	12/19	PPLN01	24692164353101793429958	INTEGRATED DNA TECH 800-328-2661 IA	\$338.90
12/19	12/19	PPLN01	74481324354500000383644	WWW.LILYGO.CC 18 16D	\$43.14
12/18	12/19	PPLN01	24692164353101151572571	AMZN Mktp US*Z17LM2K10 Amzn.com/bill WA	\$107.89
12/18	12/19	PPLN01	24692164353101752414819	AMAZON MKTPL*Z13FG65V1 Amzn.com/bill WA	\$20.03
12/19	12/19	PPLN01	74481324354500000383644	INTERNATIONAL TRANS FEE	\$0.86
12/19	12/20	PPLN01	24692164354102865306594	AMAZON MKTPL*Z950Q2LY0 Amzn.com/bill WA	\$26.24

Cardholder Account Detail Continued

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
12/19	12/20	PPLN01	24692164354102878796641	AMAZON MKTPL*Z17A55KQ1 Amzn.com/bill WA	\$37.42
12/24	12/25	PPLN01	24692164359107339406529	TFS*FISHERSCI ECOM CHU 800-766-7000 TX	\$124.15
12/25	12/26	PPLN01	24692164360107957775970	TFS*FISHERSCI ECOM CHU 800-766-7000 TX	\$98.86
12/28	12/29	PPLN01	24692164363100343890139	TFS*FISHERSCI ECOM CHU 800-766-7000 TX	\$233.32

Finance Charge Summary / Plan Level Information

Plan Name	Plan Description	FCM ¹	Average Daily Balance	Periodic Rate *	Corresponding APR	Finance Charges	Effective APR Fees **	Effective APR	Ending Balance
Purchases									
PPLN01 001	PURCHASE	E	\$0.00	0.06008%(D)	21.9900%	\$0.00	\$0.00	0.0000%	\$16,981.36
Cash									
CPLN01 001	CASH	A	\$0.00	0.06554%(D)	23.9900%	\$0.00	\$0.00	0.0000%	\$0.00
* Periodic Rate (M)=Monthly (D)=Daily							Days In Billing Cycle: 32		
** includes cash advance and foreign currency fees							APR = Annual Percentage Rate		
¹ FCM = Finance Charge Method									
(V) = Variable Rate If you have a variable rate account the periodic rate and Annual Percentage Rate (APR) may vary.									

Alameda County Mosquito Abatement District

Income Statement

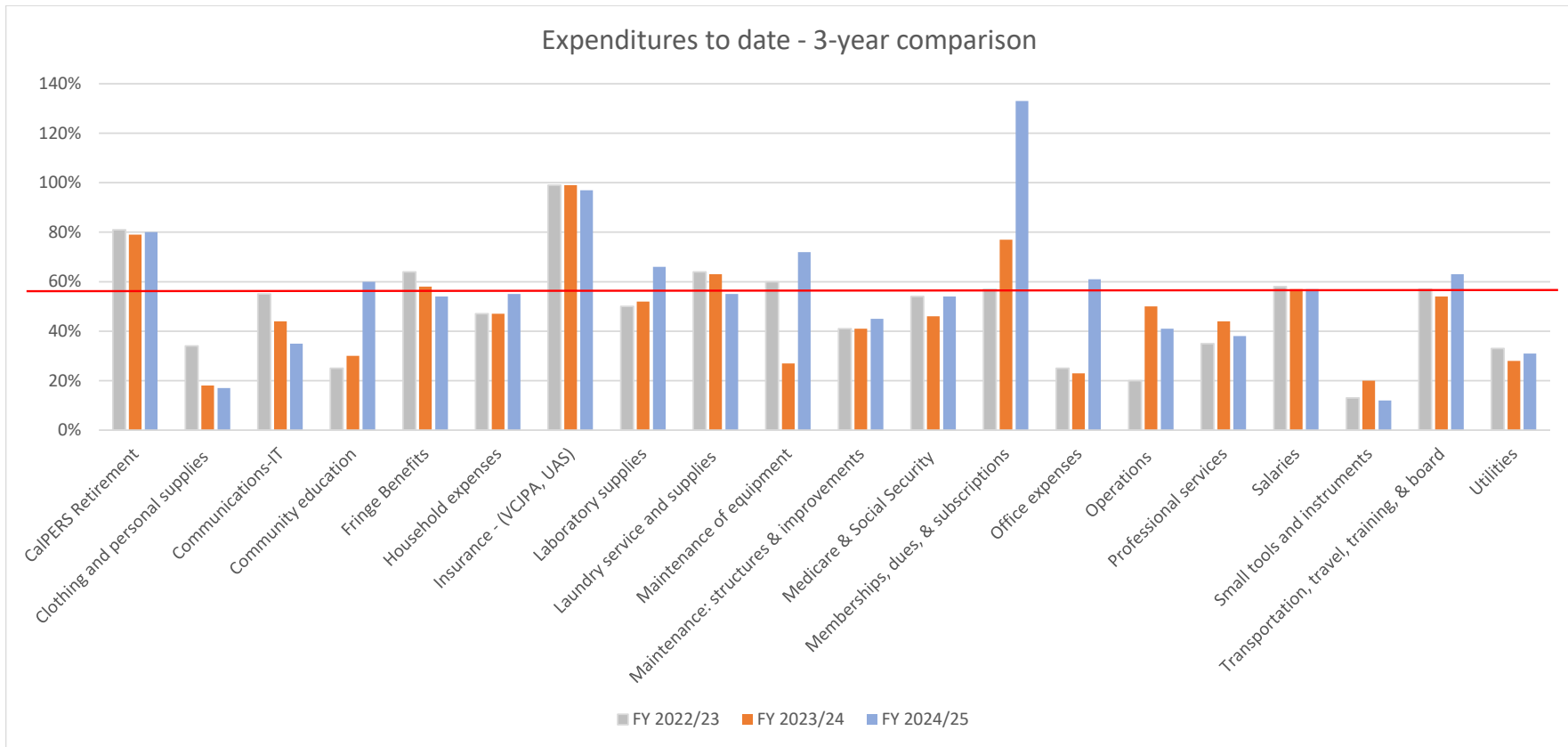
January 31, 2025. (7 of 12 mth, 58%)

REVENUES	Actual 2022/23	Actual 2023/24	Current Month	Year to Date 2024/25	Budget 2024/25	Actual vs Budget
Total Revenue	\$ 5,926,614.00	\$ 5,933,154.64	\$ 14,637.06	\$ 3,398,515.17	\$ 5,473,754.00	62%

EXPENDITURES	Actual 2022/23	Actual 2023/24 ¹	Current Month ²	Year to Date 2024/25	Budget 2024/25	Actual vs Budget
Salaries	\$ 2,129,077.24	\$ 2,467,139.80	\$ 224,047.57	\$ 1,601,507.17	\$2,790,566	57%
CalPERS Retirement	\$ 471,085.19	\$ 550,197.73	\$ 24,366.61	\$ 519,804.81	\$651,622	80%
Medicare & Social Security	\$ 30,025.60	\$ 33,316.10	\$ 3,222.62	\$ 24,954.60	\$46,370	54%
Fringe Benefits	\$ 484,487.10	\$ 609,707.18	\$ 67,304.30	\$ 371,644.77	\$683,134	54%
Total Salaries, Retirement, & Benefits	\$ 3,114,675.13	\$ 3,660,360.81	\$ 318,941.10	\$ 2,517,911.35	\$4,171,692	60%
Clothing and personal supplies (purchased)	\$ 7,881.80	\$ 5,152.23	\$ 167.85	\$ 1,582.96	\$9,500	17%
Laundry service and supplies (rented)	\$ 10,417.41	\$ 14,403.58	\$ 1,083.40	\$ 8,767.06	\$16,000	55%
Utilities	\$ 18,134.35	\$ 20,058.86	\$ 3,323.86	\$ 8,006.11	\$26,000	31%
Communications-IT	\$ 74,950.03	\$ 81,050.81	\$ 4,849.75	\$ 43,896.54	\$125,500	35%
Maintenance: structures & improvements	\$ 26,671.36	\$ 20,777.24	\$ 980.90	\$ 13,566.42	\$30,000	45%
Maintenance of equipment	\$ 25,354.56	\$ 31,326.10	\$ 1,743.27	\$ 20,145.12	\$28,000	72%
Transportation, travel, training, & board	\$ 120,418.29	\$ 129,998.25	\$ 8,264.58	\$ 72,130.90	\$114,525	63%
Professional services	\$ 97,726.00	\$ 99,674.72	\$ 3,803.58	\$ 61,234.76	\$160,600	38%
Memberships, dues, & subscriptions	\$ 25,103.23	\$ 22,113.94	\$ -	\$ 38,701.94	\$29,000	133%
Insurance - (VCJPA, UAS)	\$ 160,932.64	\$ 209,342.00	\$ -	\$ 196,831.00	\$203,198	97%
Community education	\$ 26,225.45	\$ 37,729.24	\$ 2,787.09	\$ 33,027.34	\$55,000	60%
Operations	\$ 182,575.57	\$ 304,478.37	\$ 1,858.67	\$ 117,777.92	\$287,500	41%
Household expenses	\$ 25,388.02	\$ 20,057.16	\$ 1,737.10	\$ 12,519.26	\$22,700	55%
Office expenses	\$ 7,002.84	\$ 9,974.95	\$ 655.90	\$ 6,060.24	\$10,000	61%
Laboratory supplies	\$ 82,354.03	\$ 139,128.04	\$ 7,267.30	\$ 85,362.61	\$130,000	66%
Small tools and instruments	\$ 1,963.31	\$ 1,644.91	\$ -	\$ 359.63	\$3,000	12%
Total Staff Budget	\$ 893,098.89	\$ 1,146,910.40	\$ 38,523.25	\$ 719,969.81	\$1,250,523	58%
Total Operating Expenditures	\$ 4,007,774.02	\$ 4,807,271.21	\$ 357,464.35	\$ 3,237,881.16	\$5,422,215	60%

1 - As of June 30, 2024.

2 - Total Operating Expenditures in current month may not match the check register due to accounts receivable, petty cash transactions, and transactions related to the previous fiscal year.



The red line indicates the estimated percentage of the budget that should be expended at this point in the fiscal year (58%). CalPERS Retirement, Insurance, and Memberships, dues & subscriptions are paid upfront at the beginning of the fiscal year.

**Alameda County Mosquito Abatement District
Investment, Reserves, and Cash Balance Report
January 31, 2025. (7 of 12 mth, 58%)**

Account #	Investment Accounts	Beginning Balance	Deposits	Withdrawals	Earnings ¹	Ending Balance
1004	LAIF	\$ 113,142.11	\$ -	\$ -	\$ 1,315.87	\$ 114,457.98
1005	OPEB Fund	\$ 5,035,914.28	\$ -	\$ -	\$ 78,435.68	\$ 5,114,349.96
1006	VCJPA Member Contingency ²	\$ 331,961.00	\$ -	\$ -	\$ (2,700.00)	\$ 329,261.00
1011	CAMP: Capital Reserve Fund	\$ 363.81	\$ -	\$ -	\$ 1.41	\$ 365.22
1012	PARS: Pension Stabilization ³	\$ 3,082,693.54	\$ -	\$ -	\$ (66,317.41)	\$ 3,016,376.13
1014	California CLASS: Operational Fund ⁴	\$ 813,221.79	\$ 3,523,676.82	\$ (365,629.42)	\$ 6,115.00	\$ 3,977,384.19
1015	California CLASS: Repair and Replace Fund ⁵	\$ 3,993,332.70	\$ 7,100.00	\$ (300,461.41)	\$ 14,470.25	\$ 3,714,441.54
1017	California CLASS Enhanced: Public Health Emergency Fund	\$ 520,696.58	\$ -	\$ -	\$ 1,958.32	\$ 522,654.90
1018	California CLASS Enhanced: Operating Reserve Fund	\$ 2,188,606.47	\$ -	\$ -	\$ 8,231.25	\$ 2,196,837.72
Total		\$ 16,079,932.28	\$ 3,530,776.82	\$ (666,090.83)	\$ 41,510.37	\$ 18,986,128.64

Account #	Cash Accounts	Beginning Balance	Withdrawals	Activity	Ending Balance
1003	County Account ⁴	\$ 3,623,676.82	\$ (3,523,676.82)	\$ 7,537.06	\$ 107,537.06
1019	Five Star Bank (Transfer Account) * ⁵	\$ 406,263.04	-	-	\$ 433,841.84
1020	Five Star Bank (Payroll Account) *	\$ 36,577.02	-	-	\$ 36,436.20
1021	Petty Cash	\$ 250.32	-	\$ (141.20)	\$ 109.12
Total		\$ 4,066,767.20	\$ (3,523,676.82)	\$ 7,395.86	\$ 577,924.22

1 - Earnings are booked as unrealized gains/losses. These earnings would not be recognized as "realized" gains/losses until the accounts are liquidated.

2 - VCJPA Member Contingency balance is as of December 31, 2024.

3 - PARS - Pension Stabilization balance is as of December 31, 2024.

4 - \$3,523,676.82 transferred from County Fund to Five Star Bank.

\$365,629.42 transferred from CA CLASS: Operational Fund to Five Star Bank for January expenditures.

5 - \$7,100.00 transferred from Five Star Bank to CA CLASS: Repair and Replace for the sale of a vehicle.

\$300,461.41 transferred from CA CLASS: Repair and Replace Fund to Five Star Bank for capital purchases.

* - Ending balance differs from beginning balance due to checks clearing the account.

Alameda County Mosquito Abatement District
Balance Sheet Comparison
January

ASSETS	1/31/2025	1/31/2024	1/31/2023
Current Assets			
Bank of America payroll ¹	\$ -	\$ 143,844.52	\$ 152,644.84
Bank of the West ²	-	-	440,883.01
County	107,537.06	3,621,468.67	187,026.49
Cash with LAIF	114,457.98	109,399.64	3,523,903.73
VCJPA- Member Contingency	329,264.00	320,716.00	346,337.00
CAMP - Repair and Replace ³	-	-	2,677,353.35
CAMP - Public Health Emergency ⁴	-	-	-
CAMP - Operating Reserve ⁵	-	-	1,986,475.45
CAMP - Capital Reserve Fund	365.22	332,266.51	372,944.58
PARS	3,016,376.13	2,525,640.10	2,115,551.64
Five Star Bank - Transfer account	229,155.12	201,469.57	-
Five Star Bank - Payroll account	134,031.38	-	-
California CLASS: Public Health Emergency Fund ⁶	-	538,491.89	536,964.77
California CLASS: Operational Fund	3,977,384.19	707,050.24	-
California CLASS: Repair and Replace Fund	3,714,441.54	3,307,306.39	-
California CLASS: Operating Reserve Fund ⁷	-	2,086,663.60	-
California CLASS Enhanced: Public Health Emergency Fund	522,654.90	-	-
California CLASS Enhanced: Operating Reserve Fund	2,196,837.72	-	-
Accounts Receivable	-	-	-
Petty cash	109.12	477.06	273.60
Total Current Assets	14,342,611.36	13,894,794.19	12,340,358.46
Property and Equipment			
Acc Dep - equipment	(1,850,929.00)	(1,737,755.00)	(1,709,382.00)
Acc Dep - stru & improv	(2,952,544.00)	(2,833,179.00)	(2,723,997.00)
Construction in progress	-	144,306.55	3,757.50
Equipment	2,247,517.46	1,849,716.30	1,830,175.69
Structure/improvement	5,460,618.00	4,760,618.00	4,760,618.00
Land	61,406.00	61,406.00	61,406.00
Total Property and Equipment	2,966,068.46	2,245,112.85	2,222,578.19
Other Assets			
Net OPEB Asset	1,696,641.00	1,199,826.00	1,225,311.00
Total Other Assets	1,696,641.00	1,199,826.00	1,225,311.00
Total Assets	\$ 19,005,320.82	\$ 17,339,733.04	\$ 15,788,247.65
LIABILITIES AND CAPITAL			
Current Liabilities			
Accounts payable	\$ 199,382.66	\$ 154,887.11	\$ 142,836.53
Acc payroll/vacation	237,815.12	210,892.93	201,023.94
Def inflow - 75	667,236.00	667,236.00	1,046,869.00
Def inflow pen defer GASB 68	272,874.00	272,874.00	1,941,395.00
Defer outflow pen cont GASB 68	(1,900,029.00)	(1,900,029.00)	(822,206.00)
Net pension liability GASB 68	4,327,920.00	4,327,920.00	2,034,280.00
Total Current Liabilities	\$ 3,805,198.78	\$ 3,733,781.04	\$ 4,544,198.47
Total Liabilities	3,805,198.78	3,733,781.04	4,544,198.47
Capital			
Designated fund balances	4,187,966.17	3,851,684.55	3,044,832.55
Investment in general fixed as	10,488,439.90	8,970,984.88	7,642,845.18
Net Income	523,715.97	783,282.57	556,371.45
Total Capital	15,200,122.04	13,605,952.00	11,244,049.18
Total Liabilities & Capital	\$ 19,005,320.82	\$ 17,339,733.04	\$ 15,788,247.65

1 - Bank of America account closed July 2024.

2 - Bank of the West account closed June 2023.

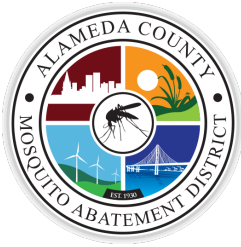
3 - CAMP: Repair and Replace Fund closed February 2023.

4 - CAMP: Public Health Emergency Fund closed September 2022.

5 - CAMP: Operating Reserve Fund closed February 2023.

6 - California CLASS: Public Health Emergency Fund closed June 2024.

7 - California CLASS: Operating Reserve Fund closed July 2024.



23187 Connecticut Street
Hayward, CA 94545

T: (510) 783-7744
F: (510) 783-3903

acmad@mosquitoes.org

Trustee & Staff Anniversary Recognitions:

Board of Trustees

President

Tyler Savage

Alameda

Vice-President

Kashef Qaadri

Dublin

Secretary

John Bauters

Emeryville

Cathy Roache

County-at-Large

Preston Jordan

Albany

P. Robert Beatty

Berkeley

John Zlatnik

Fremont

George Syrop

Hayward

Maya Manoharan

Livermore

Lisa Rasler

Oakland

Eric Hentschke

Newark

Hope Salzer

Piedmont

Jeff Nibert

Pleasanton

Victor Aguilar

San Leandro

Subru Bhat

Union City

Ryan Clausnitzer

General Manager

Background:

ACMAD is pleased to recognize and thank the following Trustees and Staff on their anniversaries in February.

Trustee	City	Years of Service	Anniversary Date
Cathy Roache	County-at-Large	6	February 11th
Employee	Title	Years of Service	Anniversary Date
Mark Wieland	Mechanic Specialist	10*	February 9th

* Per District Policy §107.1, Staff and Trustees are awarded a bronze belt buckle engraved with the district logo for their 10-year anniversary.

**STATEMENT OF ECONOMIC INTERESTS
COVER PAGE**
A PUBLIC DOCUMENT

Please type or print in ink.

NAME OF FILER (LAST) (FIRST) (MIDDLE)

1. Office, Agency, or Court

Agency Name (Do not use acronyms)

Division, Board, Department, District, if applicable Your Position

► If filing for multiple positions, list below or on an attachment. (Do not use acronyms)

Agency: Position:

2. Jurisdiction of Office (Check at least one box)

State Judge, Retired Judge, Pro Tem Judge, or Court Commissioner (Statewide Jurisdiction)

Multi-County County of

City of Other

3. Type of Statement (Check at least one box)

Annual: The period covered is January 1, 2024, through December 31, 2024.

-or- The period covered is / / , through December 31, 2024.

Assuming Office: Date assumed / /

Candidate: Date of Election and office sought, if different than Part 1:

Leaving Office: Date Left / / (Check one circle below.)

The period covered is January 1, 2024, through the date of leaving office.

-or- The period covered is / / , through the date of leaving office.

4. Schedule Summary (required)

► Total number of pages including this cover page: _____

Schedules attached

Schedule A-1 - Investments – schedule attached

Schedule A-2 - Investments – schedule attached

Schedule B - Real Property – schedule attached

Schedule C - Income, Loans, & Business Positions – schedule attached

Schedule D - Income – Gifts – schedule attached

Schedule E - Income – Gifts – Travel Payments – schedule attached

-or- None - No reportable interests on any schedule

5. Verification

MAILING ADDRESS STREET CITY STATE ZIP CODE
(Business or Agency Address Recommended - Public Document)

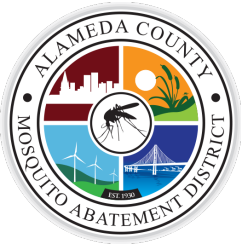
DAYTIME TELEPHONE NUMBER EMAIL ADDRESS
()

I have used all reasonable diligence in preparing this statement. I have reviewed this statement and to the best of my knowledge the information contained herein and in any attached schedules is true and complete. I acknowledge this is a public document.

I certify under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Date Signed (month, day, year)

Signature (File the originally signed paper statement with your filing official.)



Board of Trustees

President

Tyler Savage

Alameda

Vice-President

Kashef Qaadri

Dublin

Secretary

John Bauters

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Jeff Nibert

Pleasanton

Victor Aguilar

San Leandro

Subru Bhat

Union City

Ryan Clausnitzer

General Manager

OPERATIONS REPORT

Inspection & Treatments:

- January was a relatively dry month, which allowed many of the flooded sources to recede.
- Seasonal species continued to be detected, with the addition of some early *Culex tarsalis* likely due to the unseasonably warm weather
- Treatments continued to be applied to salt and fresh marshes, wooded flood lands, tree holes, and other miscellaneous sources

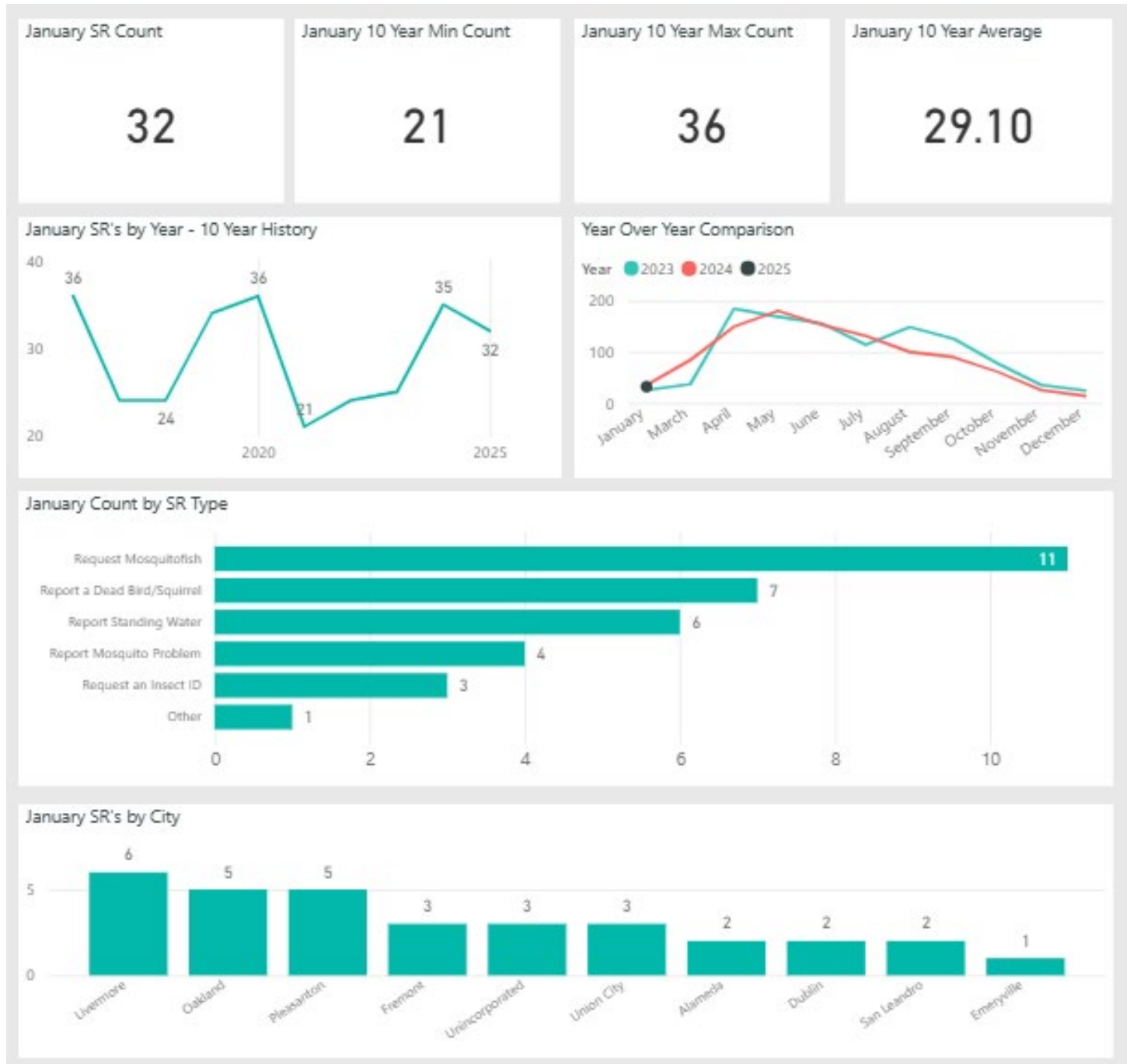
Service Requests:

- 32 total, slightly above the 10-year average
- 11 requests for mosquito fish were placed in ornamental ponds, unmaintained swimming pools, and livestock watering troughs
- 7 reported dead birds were collected and tested by the ACMAD LAB (all WNV-negative)
- 6 reports on standing water.
- 4 mosquito problems reported but all were determined to be caused by other insects.
- 3 requests were for identification of unknown insects, one of which was a *Culiseta incidens* sample.
- 1 request classified as “other” was a report of standing water

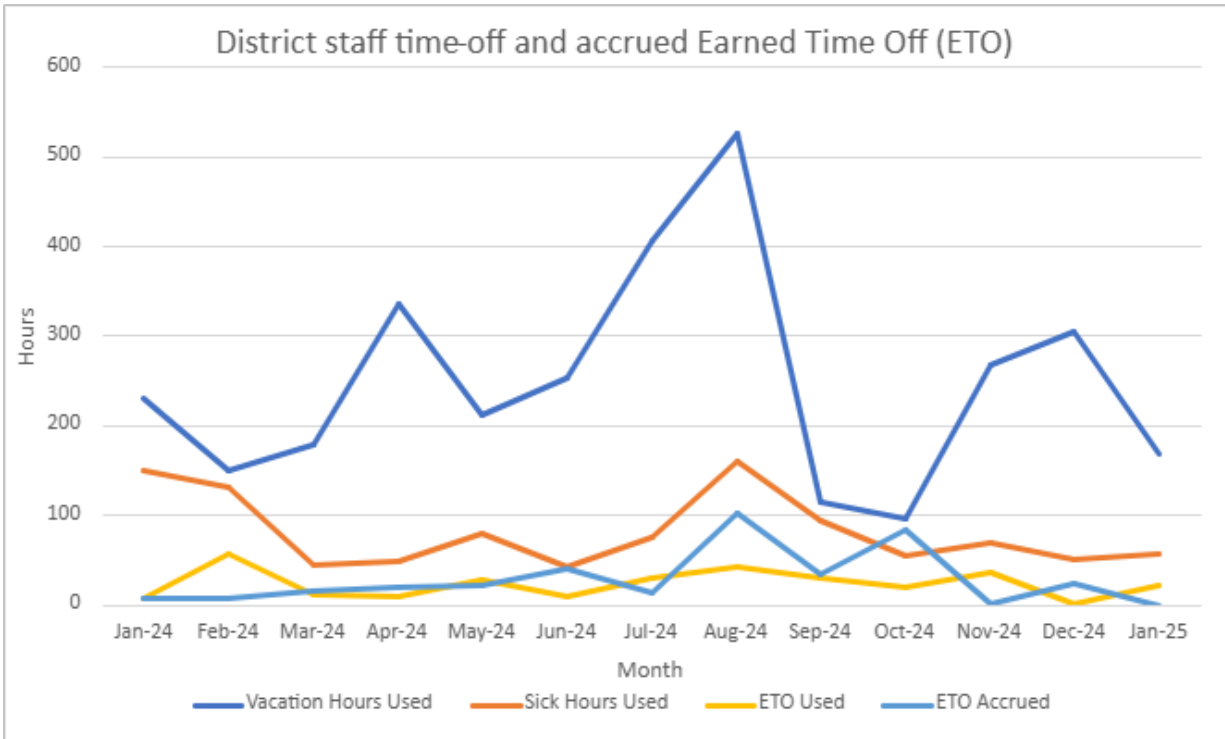
-Operations Staff

Erick Gaona, Sarah Lawton, Ben Rusmiser, Danny Sharkey

Service Requests January 2025

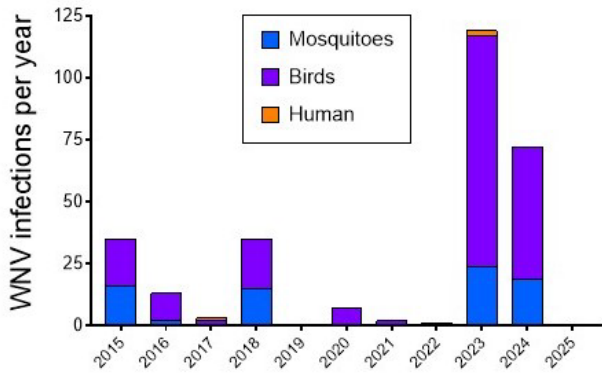


Activity Report

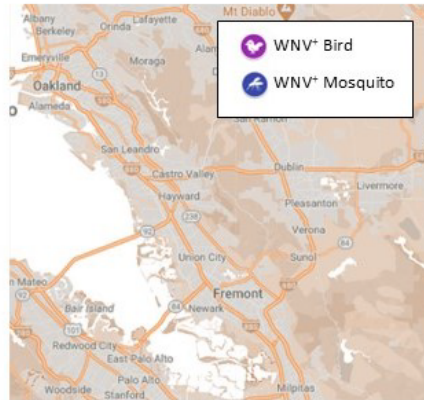


WNV Activity Report

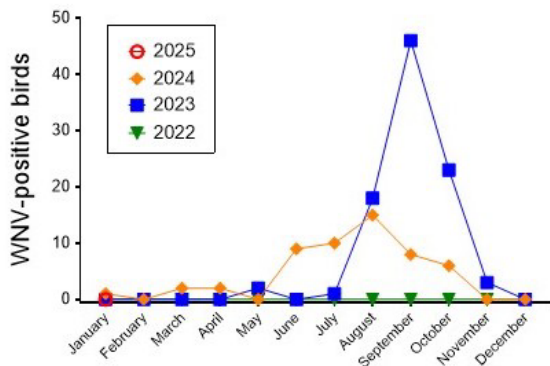
WNV trends in Alameda County
2014 – 2024



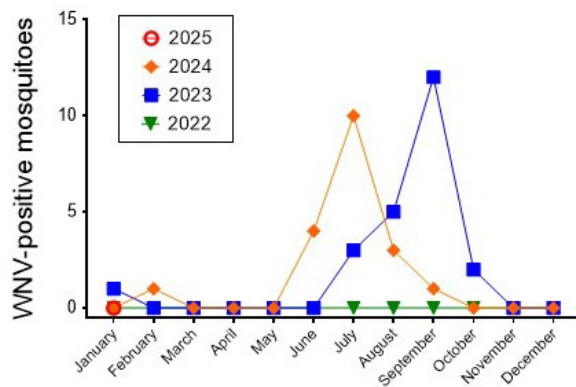
Location of WNV-infected mosquitoes and birds in Alameda County during 2024



WNV-infected birds from Alameda County



WNV-infected mosquitoes from Alameda County



A. LAB

Summary

- *Arboviruses in mosquitoes.* None of the traps this month collected mosquitoes that were infected with West Nile virus (WNV). Please see the figures above for WNV Activity in Alameda County.
- *Arboviruses in birds.* None of the birds that were collected this month were infected with WNV.
- *Native mosquitoes.* Weather conditions that discourage adult mosquitoes from reproducing and flying limited our ability to place mosquito traps. 177 CO₂-baited encephalitis virus survey (EVS) traps were placed this month, catching 498 adult female mosquitoes (2.8 mosquitos per trap). This represents a 2-fold increase in abundance compared to last month.
- *Human cases.* Human cases of WNV have not been reported for residents of the county
- *Aedes aegypti* was not detected this month.

Arbovirus Monitoring

- None of the birds collected this month were infected with WNV.
- None of the mosquito collections from traps placed this month were infected with WNV.
- Saint Louis encephalitis virus (SLEV) and Western equine encephalitis virus (WEEV) have not been detected in Alameda County for nearly two decades.
- The Alameda County Public Health Department reported 6 human cases of mosquito-vectored tropical disease in Alameda County this month, each involving recent travel to areas where it is commonly transmitted. Public health nurses confirmed through interviews that none of the infections were acquired locally in California. For each travel-related dengue case, we conducted trapping near the person's residence to check for the presence of *Aedes aegypti* or *Aedes albopictus*—mosquito species capable of initiating local dengue transmission.

Native Mosquito Abundance

- In California, the main transmitters of WNV, SLEV, and WEEV are: *Culex pipiens* (typically in urban settings), *Culex tarsalis* (associated with marsh and peri-urban areas), and *Culex erythrothorax* (occurs exclusively in marsh but adults can disperse into nearby communities).
- Our mosquito monitoring program for early winter – late spring consists of 115 sites that are routinely surveyed for adult mosquitoes. Of those, 77 are assessed at least every other week, and the remaining 34 are trapped monthly. We also trap for environmental detections of WNV in birds or mosquitoes and reports of mosquito-vectored tropical disease cases from Alameda County Public Health Department.
- This month, 177 EVS traps collected 498 adult female mosquitoes (2.8 mosquitos per trap). This represents a 2-fold increase in the number of adult mosquitoes caught compared to last month. Overall adult mosquito abundance during this month was slightly higher last month but lower than what was found in 2024 (Figure 1).
- The abundance of *Culex pipiens*, *Culex erythrothorax* and *Culex tarsalis*, all of which can transmit WNV to people, was very low and similar to the prior two years (Figure 2).
 - *Culex erythrothorax* was the most abundant species captured during the month (Figure 3), but only 196 adult mosquitoes were collected mostly in the central bayside region of the county (Figure 4).
 - Relatively few WNV-vectors were captured elsewhere in the county (Figure 4).
- Fewer traps were placed this month due to inclement weather, and most were placed in southern and eastern regions of the county where temperatures are warmer and rainfall less intense or where *Aedes aegypti* was detected in Pleasanton (Figure 4). Nearly a third of the traps that were placed did not contain mosquitoes, indicating that mosquito abundance is overall low across the county (Figure 4 insert)

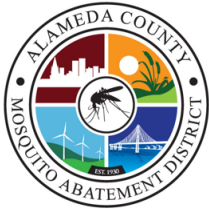
Non-native Mosquitoes

- *Aedes aegypti* was not detected this month. Monitoring continues with CO₂-baited EVS traps placed weekly (when weather permits), oviposition traps, and In-2-Care traps.

Staff Presentations and Posters at the 2025 Annual Conference of Mosquito and Vector Control Association of California

Plenary Presentation

*Generative AI in Mosquito Control:
opportunities and challenges*



Robert Ferdan
Information Technology Director

Eric Haas-Stapleton, PhD
Laboratory Director



Symposium Presentations

California CLASS

A Local Government Investment Pool option for
Mosquito & Vector Control Districts



Ryan Clausnitzer, MPA
General Manager
Chair, California CLASS JPA



www.mosquitoes.org

2025 MVCAC Annual Conference



**Integrating eDNA and qPCR for
Early Detection and Surveillance
of Mosquito Reproduction Sites**

Miguel Barretto
Alameda County Mosquito
Abatement District

Where Shall We Start?

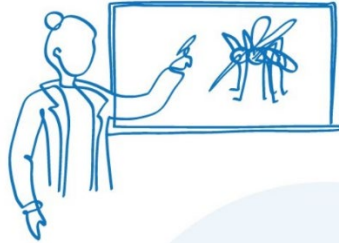
How to Begin Building a Classroom-Based Mosquito and Vector Control Curriculum



Judith Pierce, MPH
Public Outreach Coordinator
Alameda County Mosquito Abatement District

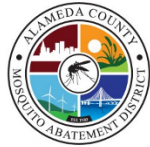


Rachel Curtis-Robles, PhD
Public Health Education and Outreach Officer
San Mateo County Mosquito & Vector Control District



Indoor Fish Rearing: A Sustainable Shift from Traditional Outdoor Storage

Mark Wieland
Mechanical Specialist



MVCAC
2025



Poster Presentations



Determinants of Immature *Aedes dorsalis* Distribution in a Dynamic Environment

Annika Olson, Miguel Barretto, Sarah Lawton, Erick Gaona, Ryan Clausnitzer, Eric Haas-Stapleton
Alameda County Mosquito Abatement District, 23187 Connecticut Street, Hayward, CA 94545

Objective	Study Area	Results Summary
<p>Use environmental DNA (eDNA) to monitor aquatic invertebrate community structure and assess abiotic characteristics of tidal marsh habitats when immature <i>Aedes dorsalis</i> are present.</p>	<p>Fig. 1 - Overview of marsh study areas. Heat map showing larval <i>Aedes dorsalis</i> abundance recorded in May/June from 2020-2024. Black pins represent primary study areas with field collection taking place from August to October 2024.</p>	<ul style="list-style-type: none"> Barcoded mosquito specimens formed distinct clusters in the phylogenetic analysis, confirming the utility of the COI mini barcode region for identification at the genus level Field based measurements did not indicate a significant relationship between <i>Aedes dorsalis</i> larval distribution for salinity ($p=0.21$) or temperature ($p=0.85$)
<p>Methods</p> <ol style="list-style-type: none"> The study was conducted in salt marsh habitats that abut the San Francisco Bay (Figure 1) Identifying mosquitoes using DNA 'mini barcoding' <ul style="list-style-type: none"> Genomic DNA was extracted from adult <i>Aedes dorsalis</i>, <i>Culex tarsalis</i>, and <i>Culex erythrothorax</i> that were collected from Fremont PCR was used to amplify a 313bp region of the COI gene which was sequenced and aligned to mosquito sequences from NCBI GenBank using Geneious Prime software (Figure 2 & 3) eDNA sample collection <ul style="list-style-type: none"> 135 ml water samples were filtered through 10µm pore size filters to remove sediment, followed by a 0.8 µm filter to capture genetic material (eDNA) Aquatic environmental parameters <ul style="list-style-type: none"> Measurements for water body surface temperature ($\pm 1^\circ\text{C}$) and salinity ($\pm 1\text{‰}$) were recorded for each sample 	<p>Results</p> <p>Fig. 2 DNA sequence alignment between conspecific mitochondrial reference sequences and individual mosquito barcode sequences generated using universal metazoan primers MTCOHF and J34HC0218R. (A) <i>Aedes dorsalis</i>; GenBank: FJ251021.1 (2) <i>Culex tarsalis</i>; GenBank: PP960127.1</p> <p>Fig. 3 Phylogenetic tree of adult mosquitoes collected in marsh habitats. Branches are labeled with nucleotide base pair substitutions per site.</p>	<p>Next Steps</p> <ul style="list-style-type: none"> Submit archived eDNA samples and 'mock community' calibration samples for metabarcoding sequencing to assess the relationship between immature mosquito distribution, estimated biodiversity indices, vegetation cover, and elevation <p>Acknowledgements</p> <p>I would like to thank my colleagues at Alameda County for their guidance and support.</p>



Electrifying Drones: Ford F-150 Lightning Powers a Greener Mosquito Control Future

Mark Wieland, Eric Haas-Stapleton, Ryan Clausnitzer

Alameda County Mosquito Abatement District, 23187 Connecticut Street, Hayward, CA 94545, USA

POWER

Fully electric Ford F-150 Lightning is charged at the district using solar power. Drone batteries are charged in the field using the built-in 9.6 kW Pro Power Onboard power bank.

ACCESS

Bed slide for easy access to the truck bed and drone.

SECURE

Flip up the rear seats & use a truck bed cargo box to organize and secure drone accessories.

FRUNK

Factory "frunk" provides pilots and crew with ample storage for personal, safety, and seasonal gear.

CARGO

Truck shell, bed slide, and trailer hitch cargo carrier for bringing up to 18 bags of larvicide to the worksite.

Ka-Chow!

Let's fly!



Evaluating Multiplex qPCR Assays for Detecting Arboviruses: Improving Consistency in Results

Miguel Barretto, Ryan Clausnitzer, Eric Haas-Stapleton

Alameda County Mosquito Abatement District, 23187 Connecticut Street, Hayward, CA 94545

Objective	Higher WNV errors with LGC Biosearch Multiplex assay	Rationale
<p>To improve the reliability of the multiplex qPCR assay for detecting WNV, WEEV, and SLEV, we tested four commonly used assays from different manufacturers to determine which minimized false positives.</p> <p>Methods</p> <p>All assays used MagMAX Elution Buffer without template nucleic acid (i.e., negative control), with identical primer probe concentrations and thermocycler conditions (n = 48 per assay).</p> <p>Four assays were evaluated:</p> <ol style="list-style-type: none"> Thermo Fisher multiplex <ul style="list-style-type: none"> WNV-FAM Thermo Fisher singleplex <ul style="list-style-type: none"> WNV-FAM Integrated DNA Technology (IDT) Multiplex <ul style="list-style-type: none"> WNV-FAM, SLE-TET, WEE-Cy5 QuantiStudio 5 targets VIC for the TET dye <ul style="list-style-type: none"> VIC: Emission-520 nm, Excitation-543 nm TET: Emission-521 nm, Excitation-542 nm LGC Biosearch Multiplex <ul style="list-style-type: none"> WNV-FAM, SLE-Quasar 570, WEE-TAMRA QuantiStudio 5 targets NED for Quasar 570 <ul style="list-style-type: none"> Quasar 570: Emission-548 nm, Excitation-567 nm NED: Emission-548 nm, Excitation-567 nm 	<p>WNV</p> <p>Thermo Fisher singleplex and IDT had the most reliable amplification and detection, with zero errors</p> <p>Thermo Fisher multiplex and LGC Biosearch Multiplex had false positives or negatives even though all assays used the same fluorophore (FAM)</p> <p>No errors for SLE or WEE with IDT Multiplex</p> <p>IDT had a no false positives for either Ct or Amplification Status with SLE and WEE</p> <p>Thermo Fisher Multiplex had a high proportion of false positive amplification status calls for SLE with no Ct (66.7%)</p> <p>The LGC Biosearch multiplex had false positive calls for both Ct and amplification status (12.5%)</p>	<p>Optimizing the assay will reduce the need for repeated testing, enhance operational efficiency, and provide more reliable data for public health decision-making.</p> <p>Results summary</p> <ul style="list-style-type: none"> Multiplex assays from Thermo Fisher and LGC Biosearch had false positives for Ct or Amplification Status (or both) while the IDT Multiplex did not. When the multiplex Thermo Fisher primer-probe set was used in singleplex, no false positives were found, pointing to potential cross-talk with the other dyes used in multiplex. <p>Future directions</p> <ul style="list-style-type: none"> Evaluate different fluorophore combinations to eliminate potential cross-talk between probe dyes Sequence false negative results to ensure no sample contamination <p>Acknowledgements</p> <p>I would like to thank colleagues at Alameda County Mosquito Abatement District for their support and guidance.</p>



Bugs, Bytes and Budgets: A Deep Dive into Vector Control IT Costs

Eric Haas-Stapleton with the MVCAC Laboratory Technologies and Information Technology Committees²

Alameda County Mosquito Abatement District, 23187 Connecticut Street, Hayward, CA 94545

²Mosquito and Vector Control Association of California, One Capitol Mall, Suite 800, Sacramento, CA 95814



Objectives	Districts Survey of Software Uses and Costs	Annual IT Cost Estimate
<p>Determine what vector data is recorded by vector control districts, the software used, and overall costs.</p>	<p>Number of districts that record each category</p> <p>Number of software users at each district</p> <p>Recording the data: Number of districts using each software</p> <p>Analyzing the data: Number of districts using each software</p> <p>How much do districts pay for software every year?</p> <p>How much do districts pay for computer hardware every year?</p> <p>Replacement timeline for computer hardware and software</p> <p>How much staff time in full-time equivalents (FTE) do districts devote to managing computer hardware and software?</p>	<p>Annual IT Cost Estimate</p> <p>Key Survey Insights</p> <ul style="list-style-type: none"> All districts use CalVect. Most employ software to log mature vectors, insect pathologies, & service requests. Most rely on multiple software systems to analyze vector data. Annual software costs are typically less than \$25,000, and hardware costs are below \$10,000. IT costs per user do not correlate with the number of users in a district. <p>Acknowledgements</p> <p>We extend our gratitude to colleagues statewide for responding to the survey and making this study possible.</p>



Mosquito Abatement Through Empowerment (MATE) Tractor Farming: a collaborative approach to solving public health challenges

Dereje Alemayehu¹, Carolyn Baysdorfer², Helen Beyena³, Eric Haas-Stapleton^{1,4}, Ryan Clausnitzer^{1,2}

¹Alameda County Mosquito Abatement District, 23187 Connecticut Street, Hayward, CA 94545, USA
²Rotary of Alameda, 1409 Morton Street, Alameda, CA, 94501, USA
³Yeha Farmers Association, Dhababwajjela T. 177 90, Jeddah, Sweden
⁴Rotary of Castro Valley, 17007 Redwood Canyon Road, Castro Valley, CA 94546, USA



Objective

Malaria kills half a million people in Sub-Saharan Africa. To uplift rural communities in Ethiopia, MATE invests in tractors for mosquito control and economic empowerment, enabling them to:

- Farm larger areas to produce both cash and subsistence crops.
- Establish locally funded mosquito control programs.
- Improve infrastructure and educational opportunities.

Community Needs Survey

MATE Supporters & Advisors

Project Sites

Subsistence farming communities in Yejube and Addis Zemen were selected by a local non-profit and the Ethiopia Ministry of Health selected for the MATE Project.

Two Tractors Funded by Rotary International

Two tractors purchased by Rotary to Addis Ababa and transferred to Yejube (left). The first tractor delivered to Dejen Markos University near Yejube for planting (right).

Next Steps: Phase II

- Develop sustainable local farming with the tractors
- Use local crop profits to fund community needs and increase areas that are farmed
- Finance a portion of farming profit for mosquito control & improve community infrastructure
- Monitor progress & ensure alignment with the MATE Program mission

Acknowledgements

Completing Phase I of the MATE Project to purchase and deliver the tractors would have been impossible without the support of colleagues with Rotary International, Yejube, Alameda County MAD and the farming communities of Yejube and Addis Zemen.



Testing Efficacy of Capturing Gravid Mosquitoes with CO₂ Producing Yeast Encephalitis Vector Survey Traps

Eric Movung, Ryan Clausnitzer, Eric Haas-Stapleton

Alameda County Mosquito Abatement District, 23187 Connecticut Street, Hayward, CA 94546

Objective

Determine whether Encephalitis Vector Survey (EVS) traps with CO₂ produced by fermentative yeast would attract a greater proportion of gravid mosquitoes compared to sublimating dry ice.

Results

Cost Analysis

Trap Type	Dry Ice	Yeast
Setup Cost	\$170.80	\$171.90
Refill Cost	\$12.17 per 250g dry ice	\$4.14 per 250g yeast

Summary

- A higher proportion of gravid mosquitoes were trapped when there was greater overall abundance at the site.
- When abundance was low, dry ice increased the proportion of gravid to non-gravid mosquitoes that were trapped.
- CO₂ producing yeast in EVS traps is an effective alternative to dry ice for collecting gravid mosquitoes that will be tested for encephalitis viruses.
- Lower setup costs and a higher likelihood of catching blood-fed mosquitoes can support integrated vector management (IVM) efforts.
- Extending the study and expanding traps to other species and sites could yield more detailed data on yeast trap effectiveness.

Acknowledgements

I would like to thank my colleagues at Alameda County Mosquito Abatement for their knowledge and guidance.

Lab Figures

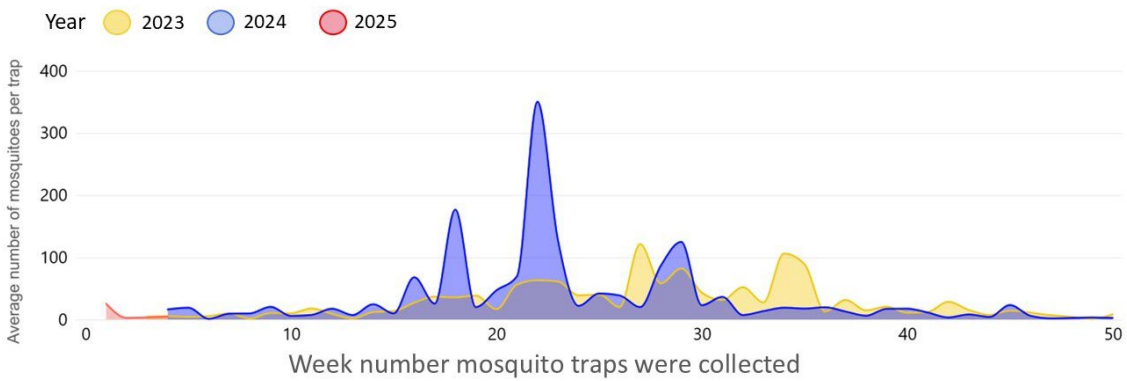


Figure 1. The average number of mosquitoes captured by week for 2023 - 2024.

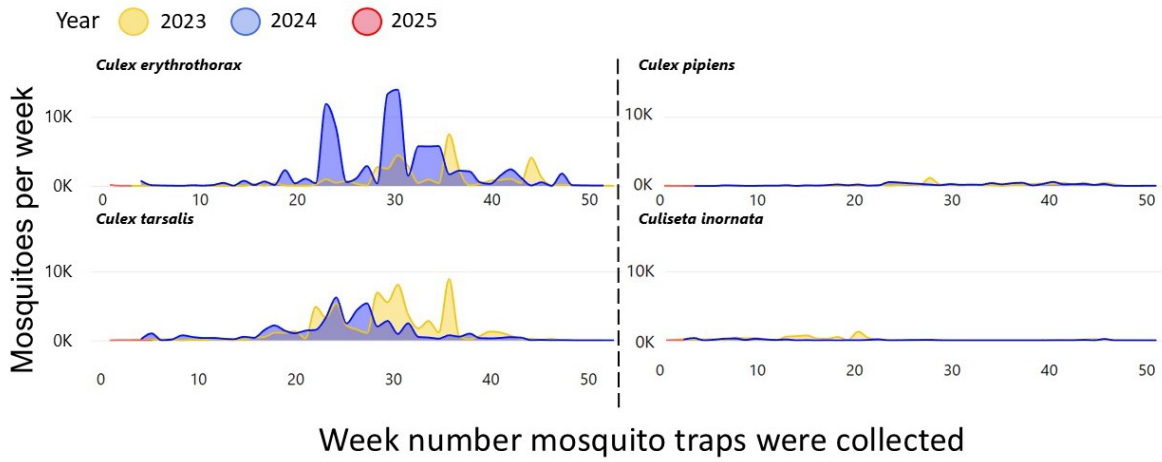


Figure 2. Weekly abundance of important mosquito species during 2022, 2023 and 2024.

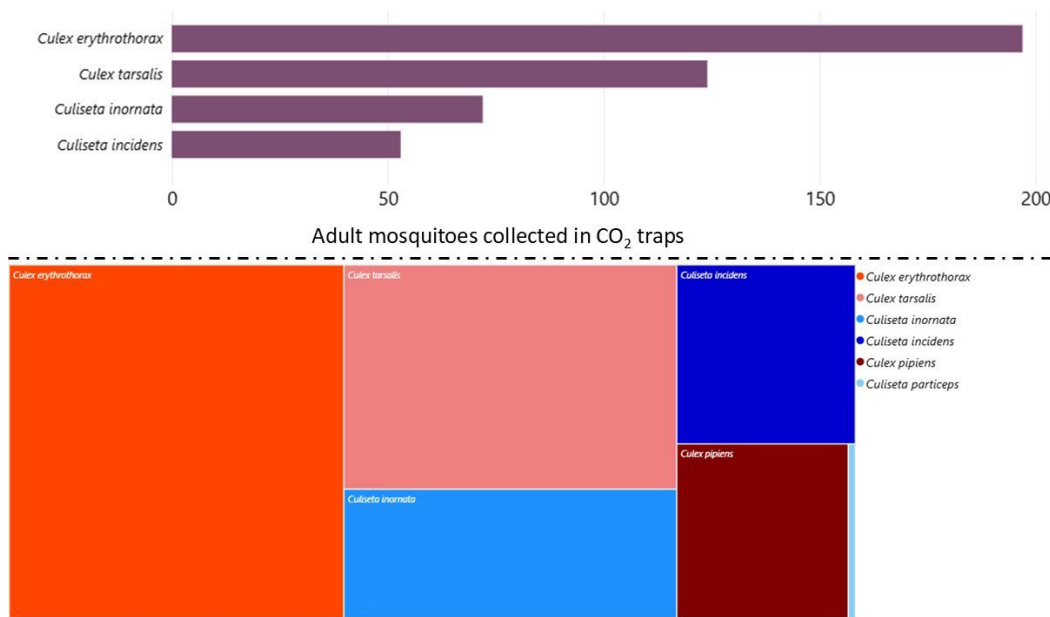


Figure 3. The most abundant species of mosquito caught using EVS CO₂ traps this month. Larger squares and rectangles indicate a higher abundance of that species.

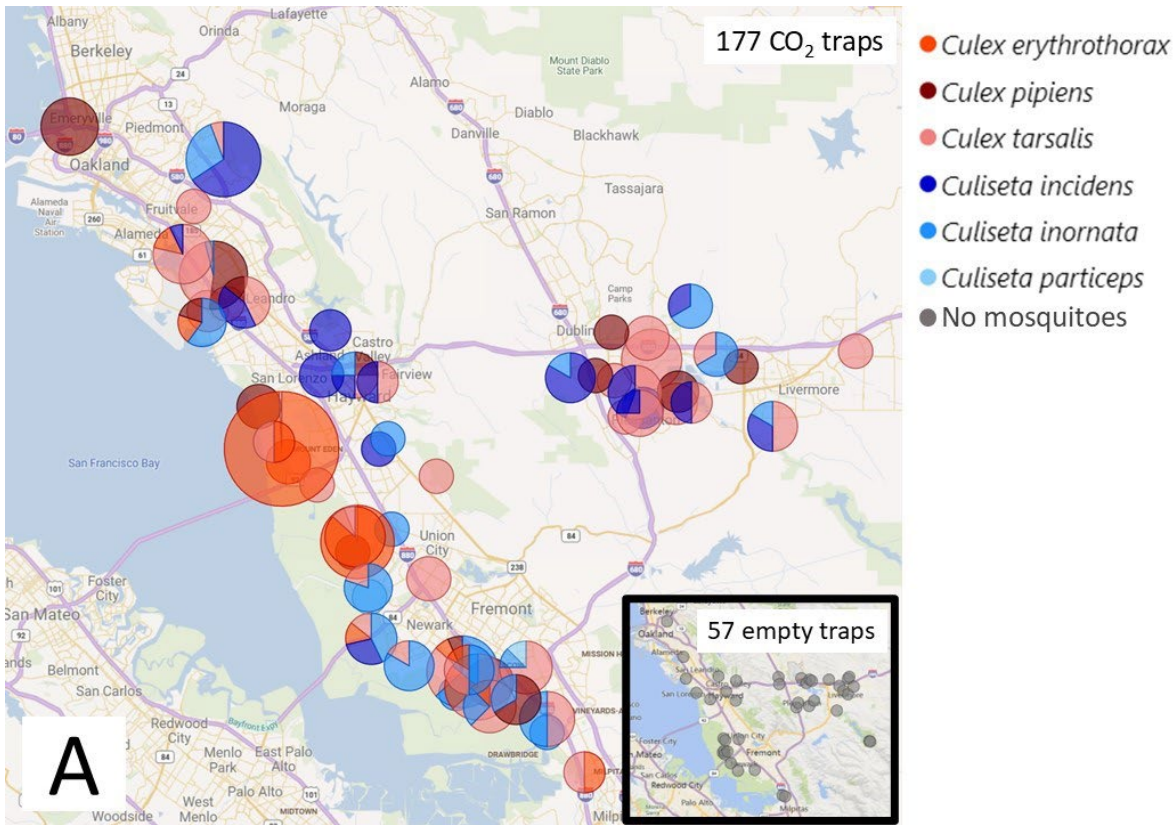


Figure 4. Mosquito abundance by trap site evaluated using EVS CO₂ traps. Pie charts indicate the distribution of mosquito species collected in the traps at that site. The size of each pie chart indicates the relative number of mosquitoes at each site in Alameda County.

Analysis and report by Eric Haas-Stapleton PhD, Laboratory Director

B. Outreach and Engagement

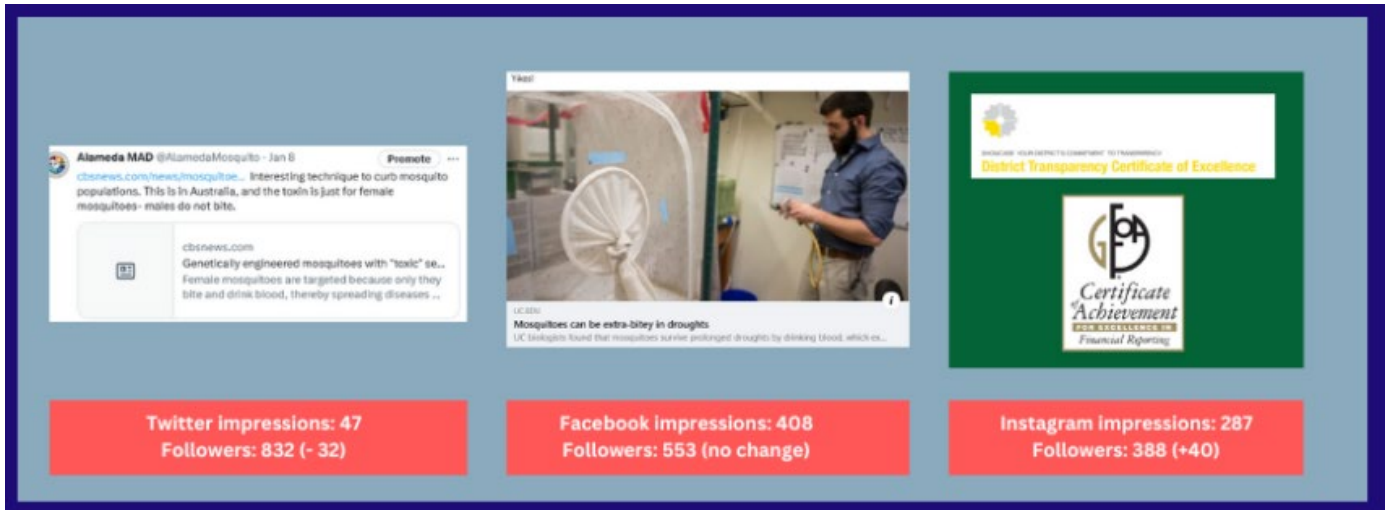
Education Program

- Confirmed school dates in Fremont
- Process of scheduling for Hayward, Newark and Oakland

Community Outreach

- Seasonal assistants translated outreach materials into Spanish and Chinese
- Scheduled presentation for Newark City Council

Social Media

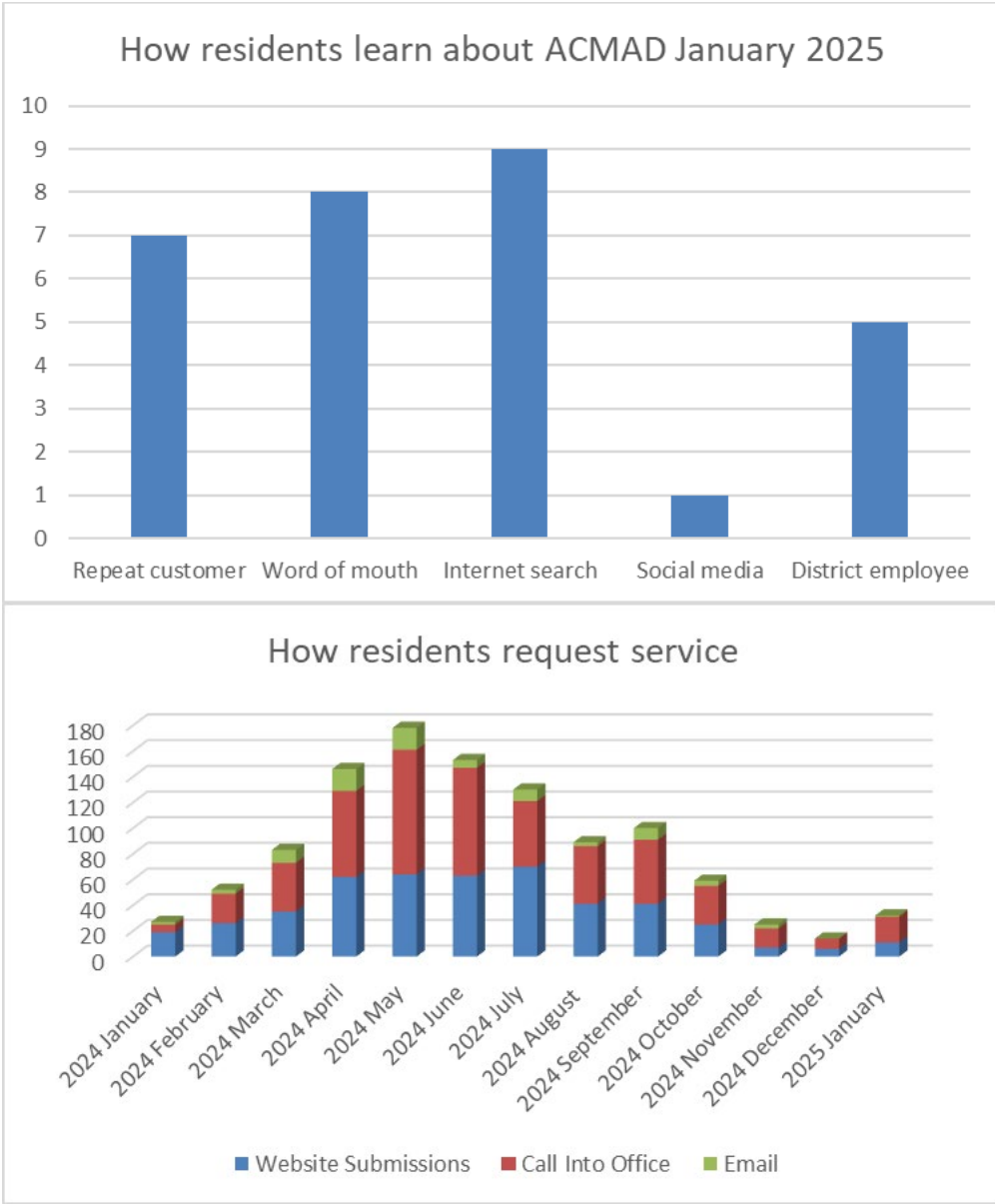


During January Twitter/ X released a number of new terms which limited which items the district could post, which seems to have affected the number of impressions.

News Media

- No new stories

Service Request Trend Data



C. REGULATORY UPDATE

Reports and Permits

- ACMAD’s annual Notice of Intent to Apply Pesticides letter was sent to all government agencies who own property where mosquito control applications may be made to waters of the U.S. The letter was also posted on ACMAD’s website. This notification is required by the Statewide National Pollutant Discharge Elimination System (NPDES) Permit for Biological and Residual Pesticide Discharges to Waters of the United States from Vector Control Applications.
- The 2024 Pesticide Use Report for mosquito control applications on the Don Edwards refuge was submitted to the U.S. Fish and Wildlife Service. The report is a stipulation of the Special Use Permit with the U.S. Fish and Wildlife Service.

Project Design Engagements¹

¹ The following activities contribute to ACMAD’s 2024-2026 Strategic Plan Goals to “Ensure projects that will help the shoreline be more resilient to climate change impacts include in the design and monitoring plan language that addresses the risks of mosquito production.” (2025)

- Nothing to report.

Interagency Collaborations²

- Nothing to report


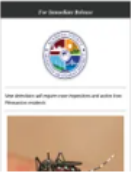
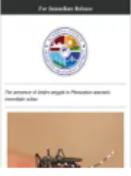



² *The following activities contribute to ACMAD's 2024-2026 Strategic Plan Goals to "Establish new agency partnerships that should be leveraged to amplify our mission of mosquito control." (2025)*

2025 Outreach and Media Wrap Up

CONSTANT CONTACT

This service provides email outreach to individuals and organizations that have opted to receive email notifications. Users can sign up for specific notifications such as Quarterly Newsletters, Press Releases, Fogging Notices etc. Quarterly newsletters (spring, summer, fall and winter) have an open rate between 48-59%.

In 2024 we sent out 5 press releases. We typically send out an advanced copy of the release to trustees, staff, and specific government agencies (Alameda County Public Health Department, neighboring mosquito districts, city agencies) first and then send out the far-reaching press release to anyone who signed up for the notification. We also place the release on social media, where it is often picked up by local media and Patch.com which will amplify the message by posting it on their social media. Advanced notice press releases have about a 70% open rate, whereas the larger press releases have between a 50-60% open rate.

<input type="checkbox"/>		Winter Newsletter 2024 Sent Email • Sent Dec 17, 2024 at 11:57am GMT-8 260 sends • 150 (59%) opens • 8 (3%) clicks • 4 (2%) bounces • 0 (0%) unsubscribes
<input type="checkbox"/>		More Aedes aegypti mosquitoes found- Pleasanton residents are ... ged to act Sent Email • Sent Oct 15, 2024 at 11:31am GMT-8 254 sends • 130 (53%) opens • 13 (5%) clicks • 10 (4%) bounces • 0 (0%) unsubscribes
<input type="checkbox"/>		Aedes aegypti detected in Pleasanton, ACMAD will respond immediately Sent Email • Sent Oct 10, 2024 at 10:03am GMT-8 253 sends • 136 (56%) opens • 22 (9%) clicks • 12 (5%) bounces • 0 (0%) unsubscribes
<input type="checkbox"/>		Advance: Aedes aegypti detected in Pleasanton, ACMAD will re... mmediately Sent Email • Sent Oct 10, 2024 at 8:48am GMT-8 43 sends • 30 (70%) opens • 8 (19%) clicks • 0 (0%) bounces • 0 (0%) unsubscribes
<input type="checkbox"/>		Fall Newsletter 2024 Sent Email • Sent Oct 8, 2024 at 2:23pm GMT-8 255 sends • 133 (53%) opens • 9 (4%) clicks • 6 (2%) bounces • 2 (1%) unsubscribes
<input type="checkbox"/>		Increased West Nile virus activity calls for caution and prevention Sent Email • Sent Aug 27, 2024 at 2:58pm GMT-8 253 sends • 137 (56%) opens • 26 (11%) clicks • 8 (3%) bounces • 1 (1%) unsubscribe

MOSQUITOES.ORG

The public facing ACMAD website is hosted by Streamline, which is a web platform dedicated to serving Special Districts. A Streamline website is structured to ensure information found on the site is compliant with California state laws for accessibility and fiscal transparency.

Google Analytics provides insight into our website traffic, however bot activity still throws off numbers.

Top 10 most viewed pages

	Page title and screen class ▾ +	↓ Views	Active users	Views per active user
	Total	66,521 100% of total	46,612 100% of total	1.43 Avg 0%
1	Alameda County Mosquito Abatement District	19,069	14,879	1.28
2	Mosquito-Like Insects - Alameda County Mosquito Abatement District	9,567	7,985	1.20
3	Board of Trustees Regular Meeting - Alameda County Mosquito Abatement District	5,204	4,845	1.07
4	California Species - Alameda County Mosquito Abatement District	1,563	1,024	1.53
5	Holiday - Office Closed - Alameda County Mosquito Abatement District	1,558	1,521	1.02
6	Contact Us - Alameda County Mosquito Abatement District	938	744	1.26
7	West Nile Virus Activity - Alameda County Mosquito Abatement District	910	555	1.64
8	Staff - Alameda County Mosquito Abatement District	881	599	1.47
9	Services - Alameda County Mosquito Abatement District	854	597	1.43
10	Press Releases - Alameda County Mosquito Abatement District	789	224	3.52

How did people find the website

	Session primary...Channel Group) ▾ +	↓ Sessions	Engaged sessions	Engagement rate
	Total	51,601 100% of total	12,198 100% of total	23.64% Avg 0%
<input type="checkbox"/>	1 Direct	27,219	3,446	12.66%
<input type="checkbox"/>	2 Organic Search	13,126	7,207	54.91%
<input type="checkbox"/>	3 Referral	6,402	932	14.56%
<input type="checkbox"/>	4 Display	1,947	322	16.54%
<input type="checkbox"/>	5 Organic Social	761	357	46.91%
<input type="checkbox"/>	6 Organic Shopping	538	0	0%
<input type="checkbox"/>	7 Unassigned	189	0	0%
<input type="checkbox"/>	8 Paid Search	80	7	8.75%
<input type="checkbox"/>	9 Email	67	31	46.27%
<input type="checkbox"/>	10 Organic Video	15	3	20%

SOCIAL MEDIA: Facebook, Nextdoor, and Twitter

Social media continues to be a low cost, easy, and effective means to disseminate information to a large audience. For Facebook and Twitter (X), the District's number of followers continued to grow in 2024. We also restarted using Instagram, which seems to be the preferred method in which politicians highlight our work. In January 2025 we saw a large decrease in followers from Twitter (X), which we assume is connected to individuals closing their accounts. Many news outlets still use the social media platform, so the District is still on. Regular posts are a mix of mosquito prevention reminders, news articles about mosquitoes, and reposts of peer organization content.

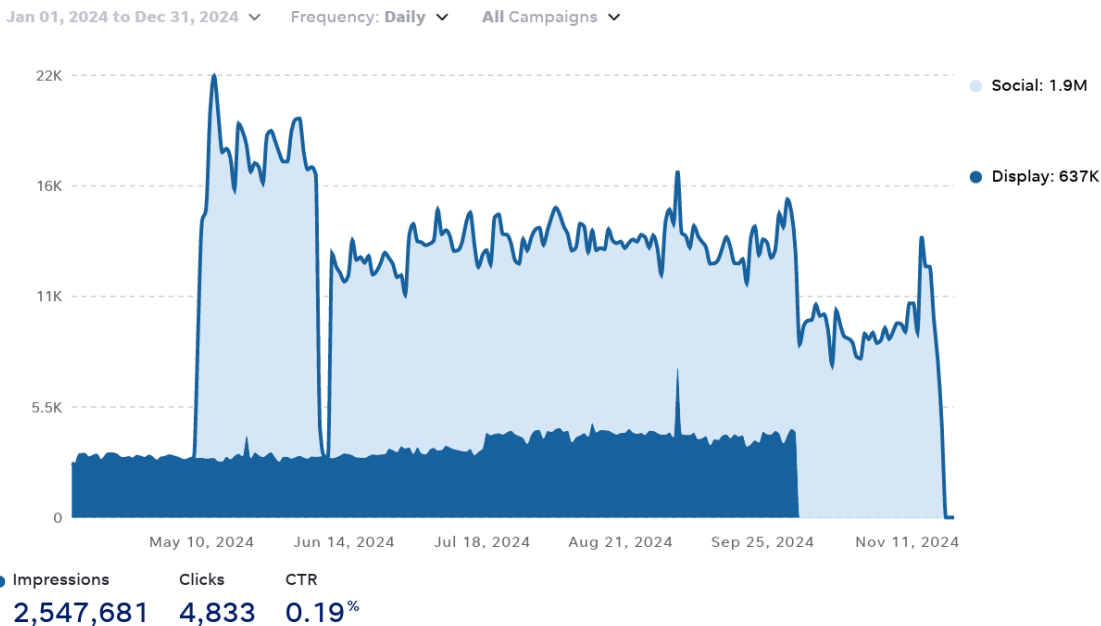
Posts about *Aedes aegypti* had the furthest reach (one post received over 3,900 impressions). We worked with the city of Pleasanton Public Information and Police departments to amplify our message and will continue to reach out to local officials for future operations. Nextdoor is a great tool for targeting specific communities, and we set aside time to answer questions on the website after each post. We encountered one issue where a resident misidentified our technicians during a Saturday inspection which led to over 300 comments on the one Nextdoor thread. The Public Outreach Coordinator highlighted this during a CERT training for Pleasanton residents and hopes to use residents in afflicted areas to serve as lookouts for misinformation online about the District's work.



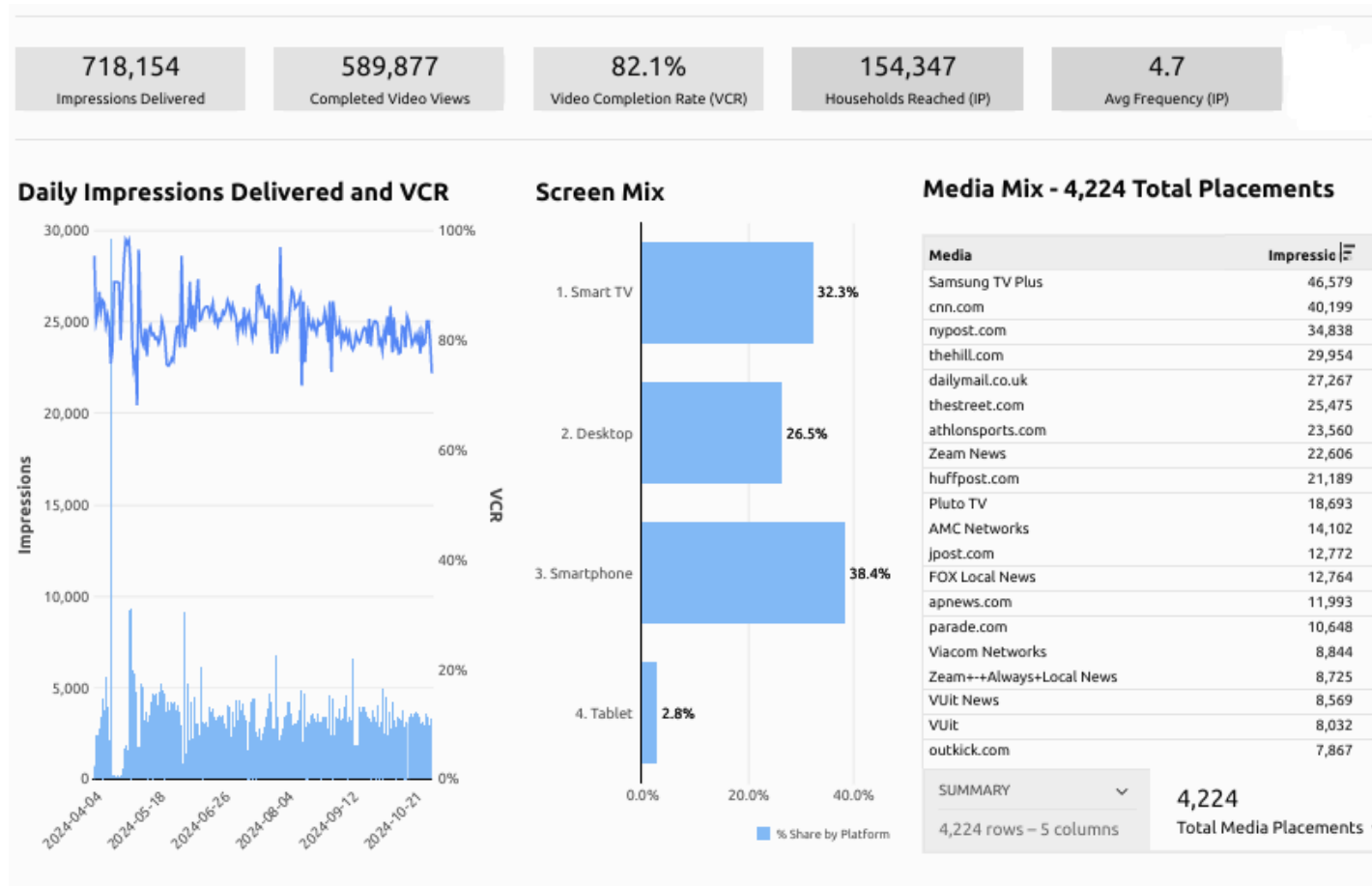
PAID ADVERTISEMENTS

The District contracts with LocalIQ and JamLoop to place ads on websites and social media. The LocalIQ and JamLoop ads are a combination of video (English, Spanish, and Chinese) and static ads.

Your brand was seen 2,547,681 times in this 366 day period.



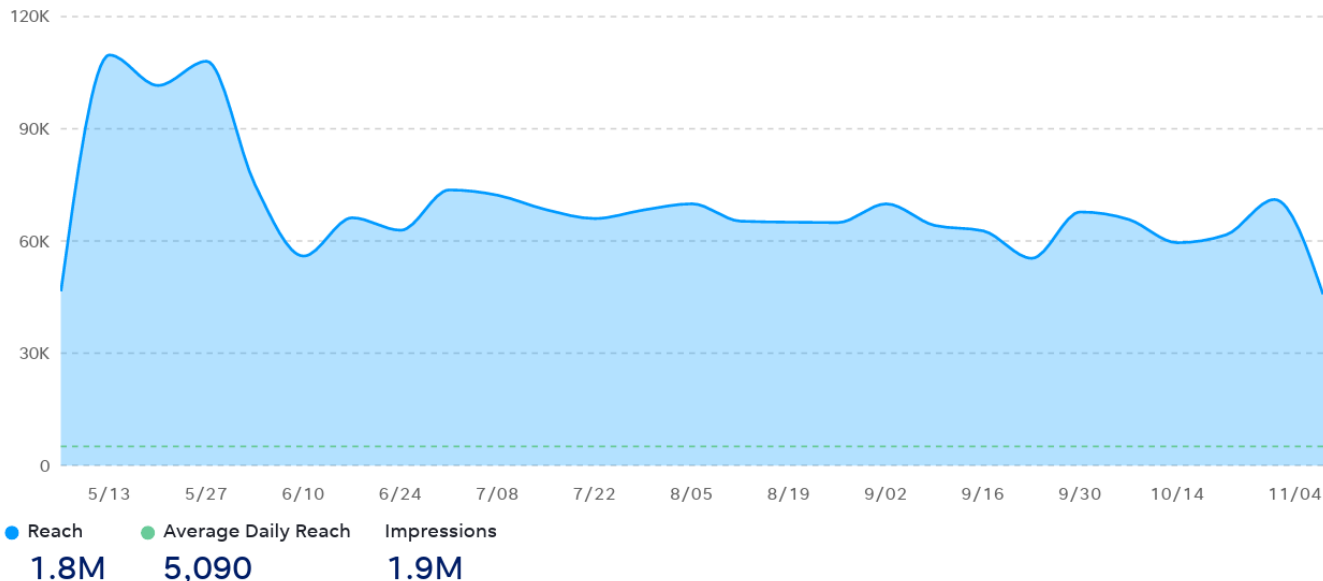
A few of the 30 plus websites with ACMAD ads: CNN.com, FOX Local News, Parade.com, MLB, SFGate.com, Cracked.com. SamSungTV Plus, NYPostGroup, PlutoTV, Athlonsports.com, Outkick.com, Viacom Networks.



SOCIAL REACH

You're reaching an average of 5,090 people each day on social networks.

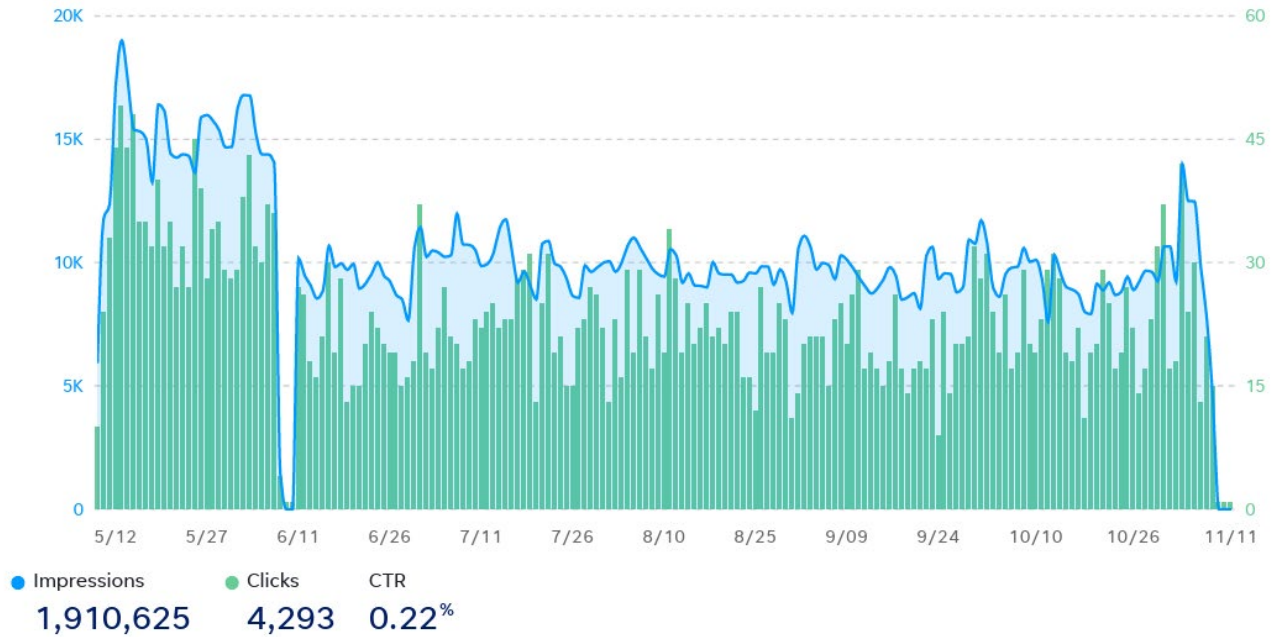
Jan 01, 2024 to Dec 31, 2024 Frequency: Weekly All Campaigns



For the static ad on websites, 4,293 clicked on the ad and went to the mosquitoes.org website. 1,910,625 people saw the static ad on a website.

Your ads drove 4,293 clicks in this 366 day period.

Jan 01, 2024 to Dec 31, 2024 Frequency: Daily 1 Campaign



Darker blue indicates higher amount of ad impressions per person by zip code. Hayward, followed by Fremont, received the largest amount of ad impressions per person. Oakland, simply because it is the largest city in the county, had the highest total number of ads. With the detection of West Nile virus in Union City and Fremont close to the beginning of 2024, we targeted those specific zip codes for additional ads between May and August. We did direct additional ad dollars to Pleasanton after the *Aedes aegypti* detection, however it was in October-November, so numbers were not drastically different, since the full campaign is spread over six months.

Zip Impressions

