

AGENDA
1088th MEETING OF THE BOARD OF TRUSTEES
OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
MARCH 10TH, 2021

TIME: 5:00 P.M.
PLACE: Teleconference Only, **see below**
TRUSTEES: P. Robert Beatty, President, City of Berkeley
Betsy Cooley, Vice-President, City of Emeryville
Subru Bhat, Secretary, City of Union City
Cathy Roache, County-at-Large
Wendi Poulson, City of Alameda
Preston Jordan, City of Albany
Shawn Kumagai, City of Dublin
George Young, City of Fremont
Elisa Márquez, City of Hayward
Steven Cox, City of Livermore
Eric Hentschke, City of Newark
Jan O. Washburn, City of Oakland
Andrew Mingst, City of Piedmont
Julie Testa, City of Pleasanton
Victor Aguilar, City of San Leandro

1. Call to order.
2. Roll call.
3. President Beatty 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 1087th Regular Meeting held February 10th, 2021 (**Board action required**)
5. LAFCo (Local Agency Formation Commission) Special District Alternate Seat Election Wednesday, May 12th, 2021. (**Board action required**)
 - a. Nomination for incumbent Georgean Vonheeder-Leopold of Dublin-San Ramon Sanitary District if no other nominations are provided.
 - b. ACMAD Presiding Officer designation
 - i. Presiding Officer: ACMAD Board President Robert Beatty
 - ii. Presiding Officer Alternate: ACMAD Board Vice-President Betsy Cooley
6. Report from the Finance Committee regarding the 1st draft of the 2021-22 budget (Information Only)
7. Financial Reports as of February 28th, 2021: (Information only).
 - a. Check Register
 - b. Income Statement
 - c. Investments, reserves, and cash report
 - d. Balance Sheet

8. Presentation of the Monthly Staff Report (Information only).
9. Presentation of the Manager's Report (Information only).
 - a. Trustee & Staff Anniversaries
 - b. COVID-19 staff update
 - c. AMCA Annual Meeting recap
 - d. VCJPA Annual Workshop recap
 - e. Ad-Hoc General Manager Evaluation Committee Procedure Document
 - f. Form 700 FFPP Conflict of Interest Report Due: Aguilar, Márquez, Jordan
 - g. Training due: AB 1234: Jordan, Testa; AB 1825: Jordan, Roache
10. Board President asks for reports on conferences and seminars attended by Trustees.
11. Board President asks for announcements from members of the Board.
12. Board President asks trustees for items to be added to the agenda for the next Board meeting.
13. 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.

IMPORANT NOTICE REGARDING COVID-19 AND TELECONFERENCED MEETINGS:

Based on the mandates by the Governor in Executive Order 33-20 and the County Public Health Officer to shelter in place and the guidance from the CDC, to minimize the spread of the coronavirus, please note the following changes to the District's ordinary meeting procedures:

- The District offices are not open to the public at this time.
- The meeting will be conducted via teleconference using Zoom. (See Executive Order 29-20)
- All members of the public seeking to observe and/or to address the local legislative body may participate in the meeting telephonically or otherwise electronically in the manner described below.

HOW TO OBSERVE THE MEETING:

Telephone: Listen to the meeting live by calling Zoom at **(669) 900-6833**
Enter the **Meeting ID#** 842 4670 4022 followed by the pound (#) key.

Computer: Watch the live streaming of the meeting from a computer by navigating to <https://us02web.zoom.us/j/84246704022>

Mobile: Log in through the Zoom mobile app on a smartphone and enter **Meeting ID#** 842 4670 4022

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

1087th MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

February 10th, 2021

TIME: 5:00 P.M.
PLACE: *Zoom Teleconference Only*
TRUSTEES: P. Robert Beatty, President, City of Berkeley
Betsy Cooley, Vice-President, City of Emeryville
Subru Bhat, Secretary, City of Union City
Cathy Roache, County-at-Large
Wendi Poulson, City of Alameda
Preston Jordan, City of Albany
Shawn Kumagai, City of Dublin
George Young, City of Fremont
Elisa Marquez, City of Hayward
Steven Cox, City of Livermore
Eric Hentschke, City of Newark
Jan O. Washburn, City of Oakland
Andrew Mingst, City of Piedmont
Julie Testa, City of Pleasanton
Victor Aguilar, City of San Leandro

1. Board President Beatty called the regularly scheduled board meeting to order at 5:00 P.M.
2. Trustees Beatty, Cooley, Bhat, Roache, Poulson, Kumagai, Young, Marquez, Cox, Hentschke, Washburn, Mingst, Testa, Aguilar were present on the Zoom conference. Trustee Jordan joined at 5:02 P.M.
3. Board President Beatty invited members of the public to speak on any issue relevant to the District. Information Technology Director Robert Ferdan was on the teleconference call for technical support. Vector Biologist Jeremy Sette was present to record the minutes.
4. Approval of the minutes of the 1086th meeting held January 13th, 2021.
Motion: Trustee Hentschke moved to approve the minutes
Second: Trustee Aguilar
Vote: motion carries: unanimous.
5. Presentation of the President's Award Plaque to Immediate Past President Wendi Poulson by President Robert Beatty.
Discussion: President Beatty, via the General Manager in his office, virtually presented the President's Award Plaque to Immediate Past President Wendi Poulson. President Beatty thanked Trustee Poulson who then exclaimed she was humbled and honored to receive the plaque and thanked the Board for their support. The General Manager thanked Trustee Poulson and acknowledged her service, humor, and optimism during a difficult year.

6. Presentation of the Financial Reports as of January 31st, 2021.

Discussion:

The General Manager presented the Financial Reports as of January 31st, 2021 and fielded the following discussion. President Beatty asked for clarification on what the US Bank payment is (the District's credit card monthly bill). Trustee Bhat asked how long the pesticides from the single Adapco payment would last (this specific payment went towards larvicide for a recent UAS treatment and to resupply inventory). Trustee Marquez asked for clarification on why there were two payments to Waste Management in one month (will check in with Accounting Associate Michelle Robles for details on the payments). President Beatty asked about why District staff must physically pick up the check from the County of Alameda (this process only occurs twice a year after the property tax deposits). Trustee Jordan asked for clarification on the difference between the budgeted and actual salaries in the Income Statement. President Beatty suggested that the lower-than-expected salary amount could have been from the lack of seasonal staff over the last year. Trustee Jordan also asked why ACMAD did not hire seasonal employees in 2020 (management decided that with COVID-19, it was preferable to not hire seasonals in 2020 but there are plans on hiring seasonals in 2021 once vaccines are available to staff) and he asked the timing of seasonal work (starting in March, staggered until October). Trustee Jordan asked why the Capital Reserve Fund was low compared to the Repair and Replace funds (Capital Reserve funds are for current year planned projects, Repair and Replace are for repairing and replacing existing capital assets). President Beatty asked if the Repair and Replace fund carries over year-to-year (yes). Trustee Jordan commented that the Repair and Replace fund has increased over the last few year (yes, per the District's reserve policy it increases with any surplus funds). President Beatty commented that the reserve policy was written by staff and the Finance Committee using references from other organizations such as the City of Pleasanton. Trustee Jordan asked why the accumulated depreciation was unchanged in the balance sheet from last year (will ask the Accounting Associate for further details).

7. Presentation of the Monthly Staff Report.

Discussion:

The General Manager presented the Monthly Staff Report and fielded the following discussion. President Beatty asked if there were any West Nile virus positive mosquitoes for this year (nothing so far in 2021). Trustee Poulson commented on the dead bird she saw in Alameda (typically, sea gulls are not good indications of West Nile virus). Trustee Washburn commented on a *Salmonella* outbreak in birds. President Beatty speculated that the spike in website usage in January 2020 was likely due to the Albany LAFCo annexation hearing. Trustee Jordan asked why there was a focus on adult trapping in salt marsh regions (detecting floodwater mosquitoes that may hatch earlier than usual due to climate change) and if trapping will spread to other areas as the year progresses (yes).

8. Presentation of the Manager's Report.

Discussion:

The General Manager presented the Manager's Report and fielded the following discussion. Trustee Aguilar commented on corrections to the Trustee anniversary dates namely, he has been a Trustee for two years rather than one. President Beatty noted that he has difficulty seeing raised hands in Zoom and asked for Trustees to either chat or just interrupt him. Trustee Jordan asked about the Brown Act bill, specifically if the public could participate remotely, which he hadn't seen in the provision in the bill and noted that it could be beneficial (agreed and will look into). Trustee Washburn noted that in 24 years of service there have only been four members of the public commenting during a Board meeting: one

for during early days of West Nile Virus and three for the Benefit Assessment. Trustee Bhat commented on differences in public attendance at ACMAD meetings compared to City Council meetings. Trustee Washburn noted that the lack of public presence at meetings is probably due to the District doing a great job at controlling mosquitoes using low property tax assessments. Trustee Jordan asked about its history of applying adult mosquito treatments (the District did two fogging operations over the last five years). Trustee Jordan added that fogging operations may require different outreach approaches based on the region of the County. Trustee Jordan also asked how the adult control operation from the early 2000s differed from more recent applications (Trustee Washburn explained that the early 2000s operation, which centered around a school, was explained via a live public event). The General Manager added that the more recent Union City adult mosquito control operation, also centered around a school, the outreach was achieved via social media. Trustee Washburn asked if the General Manager could sign him up for the AMCA conference and Trustee Poulson also expressed her interest.

9. Board President Beatty asked for reports on conferences and seminars attended by Trustees. Trustee Washburn announced that he attended the MVCAC conference and congratulated Information Technology Director Robert Ferdan for a great job on his presentation for the conference. Trustee Hentschke announced that, on January 26th, he spent a day ditching with the Operations staff at the Patterson Hill marsh in Newark and gave a glowing review of Operations teamwork, camaraderie, and professionalism. Trustee Poulson mentioned how much she enjoyed her time in the field with Vector Biologist Sarah Lawton when she first came to the Board.
10. Board President Beatty asked for announcements from the Board. None.
11. Board President Beatty asked trustees for items to be added to the agenda for the next Board meeting. The General Manager noted that the Finance Committee will be meeting before the next Board Meeting at 4:00 P.M. President Beatty asked for clarification on who the members of the Finance Committee were (Vice-President Cooley noted that besides existing members including herself, Bhat, and Young, Trustees Aguilar and Jordan also joined the committee).
12. The meeting adjourned at 6:11 P.M.

Respectfully submitted,

Approved as written and/or corrected
at the 1088th meeting of the Board of
Trustees held March 10th, 2021.

P. Robert Beatty, President
BOARD OF TRUSTEES

Subru Bhat, Secretary
BOARD OF TRUSTEES

LAFCO

Alameda Local Agency Formation Commission

February 8, 2021

Board Presidents
Independent Special District Selection Committee

SUBJECT: Alameda LAFCO – Notice of Alternate Special District Seat Term Expiration

Dear Committee Members:

This letter serves as notice that the term of the Alternate Special District Member on the Alameda Local Agency Formation Commission (LAFCO) will expire on May 3, 2021 (the first Monday of May). Therefore, Alameda LAFCO, in conjunction with the Alameda County Chapter of the California Special District Association, is calling a meeting of the Alameda County Independent Special District Selection Committee (ISDSC) for **Wednesday, May 12, 2021 at 10:00 A.M.**, after the regular Alameda County Special District Association meeting. Candidate nominations are due **Friday, May 7, 2021**. Please note that the incumbent, Geogean Vonheeder-Leopold, has indicated that she plans to seek re-election.

Alameda LAFCO's mission is to work for the citizens and government agencies of Alameda County by encouraging efficient municipal services, balancing infrastructure needs for sustainable growth, and conserving the environment and public resources such as prime agricultural and open space land. Being on LAFCO offers an opportunity for special districts to have a voice in governmental reorganization issues potentially affecting them, as well as the County overall. The independent special districts in Alameda County have had two regular seats and one alternate seat on Alameda LAFCO since July 1994.

The purpose of the ISDSC is to elect special district members to LAFCO. The ISDSC consists of the presiding officers of the legislative bodies of each independent special district in Alameda County. Pursuant to Government Code Section 56322, and the ISDSC rules, a district's Board may appoint one of its members to attend the meeting if the presiding officer is unable to attend. For your information, enclosed are the ISDSC rules (Attachment 1) and Government Code Section 56322 (Attachment 2).

For this election each independent special district is entitled to nominate one Board Member. For the alternate seat, nominees can be from either enterprise or non-enterprise districts. The nominees must meet the eligibility requirements outlined in Section VI of the ISDSC's rules. A nomination and voting delegate form is enclosed for your use (Attachment 3). Eligible nominees may circulate a statement of qualifications prior to or at the May 12th ISDSC meeting.

Per the ISDSC's rules, any district nominating, a candidate must ratify that nomination by Board resolution. Furthermore, upon nomination, the nominating district must provide written notice to all other districts of their candidate selection. No resolution is needed from a district that does not wish to nominate a candidate. Attached is a list of each district's contact information (Attachment 4).

Administrative Office

Rachel Jones, Executive Officer
224 West Winton Avenue, Suite 110
Oakland, Hayward 94544
T: 510.670.6267
www.acgov.org/lafco

David Haubert, Regular
County of Alameda

Nate Miley, Regular
County of Alameda

Wilma Chan, Alternate
County of Alameda

Vacant, Regular
City Member

Vacant, Regular
City Member

Vacant, Alternate
City Member

Ralph Johnson, Regular
Castro Valley Sanitary District

Ayn Wieskamp, Regular
East Bay Regional Park District

Geogean Vonheeder-Leopold, Alternate
Dublin San Ramon Services District

Sblend Sblendorio, Regular
Public Member

Vacant, Alternate
Public Member

Friday, May 7, 2021

Nominations are due from each district. Please complete and return the attached form to Alameda LAFCO. Please note that pursuant to Government Code Section 56332, “if only one candidate is nominated for a vacant seat, that candidate shall be deemed selected, with no further proceedings.”

Friday, May 7, 2021

Each district submits the name of the presiding officer or designee who will be voting at the May 12th meeting. Please complete and return the attached form to Alameda LAFCO.

Before, Wednesday, May 12, 2021

All nominating agencies must ratify their district’s nominee via board resolution and send notice of the nomination to the presiding officers of all the other districts (see attached contact information). Please submit a copy of the resolution to Alameda LAFCO.

Wednesday, May 12, 2021

The ISDSC’s meeting location or meeting link will be provided by **Friday, May 7, 2021**.

Should you have any questions, please contact me directly by telephone at 510.670.6267 or by e-mail at rachel.jones@acgov.org.

Sincerely,



Rachel Jones
Executive Officer

Attachments:

1. ISDSC Rules
2. Government Code Section 56332
3. Nomination and Voting Delegate Form
4. Special District Contact Information

Revised 1/14/04

RULES
FOR THE LAFCO
INDEPENDENT SPECIAL DISTRICT SELECTION COMMITTEE

Adopted April 13, 1994

By: Alameda County Chapter, California Special Districts Association

SECTION I PURPOSE

The purpose of the Independent Special District Selection Committee (ISDSC) shall be to appoint the regular and alternate special district members to the Alameda County Local Agency Formation Commission (LAFCo) whenever a vacancy exists among members representing independent special districts (Government Code Section 56332).

SECTION II MEMBERSHIP

The ISDSC shall be composed of the presiding officer of the legislative body of each independent special district either located wholly within Alameda County or containing territory within Alameda County that represents 50% or more of the assessed value of taxable property of the district. The district may appoint one of its members as an alternate ISDSC member in the event the presiding officer is unavailable (Government Code Section 56332).

SECTION III MEETINGS

The LAFCo Executive Officer shall give written notice to the presiding officer of each eligible independent special district that a meeting of the ISDSC will be held on a specified date and at a specified time and place pursuant to:

- A. A vacancy existing among the members or alternate member representing independent special districts upon the Commission; or
- B. Receipt of a written request by one or more members of the ISDSC representing districts having 10% or more of the assessed value of taxable property within Alameda County (Government Code Section 56332).

All meetings of the ISDSC shall be open meetings and comply with all applicable provisions of the Ralph M. Brown Act.

SECTION IV QUORUM

Each presiding officer or alternate member attending the meeting shall be required to register their attendance. Members representing a majority of the eligible districts shall constitute a quorum for the conduct of the ISDSC business. No meeting shall be convened by the LAFCo Executive Office prior to establishing a quorum.

SECTION V VOTING

Each member of the ISDSC shall be entitled to one vote for each independent special district of which he or she is the presiding officer (Government Code Section 56332).

SECTION VI ELIGIBILITY

To be eligible for nomination and selection to the Alameda County Local Agency Formation Commission, an individual:

- A. Must be an elected or appointed independent special district officer within Alameda County (Government Code Section 563323);
- B. Must be a resident of Alameda County (Government Code Section 563323);
- C. Must not be a member of the legislative body of a city or county (Government Code Section 563323);
- D. Must act in such a manner so as to represent the diverse interests of all agencies, not his or her individual district; and
- E. Must be willing to make a time commitment to fulfilling his or her county-wide role representing all special districts.

An elected or appointed independent special district board member who is an employee of the State of California, a county, a city, or a special district is eligible for nomination and selection to the Commission as a special district representative (Government Code Section 563323).

SECTION VII SEATING DESIGNATION

The seating of special district representatives on the Alameda County Local Agency Formation Commission shall be in accordance with the following designations:

- 1. One regular seat shall be designated as an "Enterprise District" seat;
- 2. One regular seat shall be designated as a "Non-Enterprise District" seat; and

3. One alternate seat shall be designated from either and Enterprise or Non-Enterprise district.

An "Enterprise" district is defined as any jurisdiction that derives the majority of its total revenues from user fees and/or service charges.

A "Non-Enterprise" district is defined as any jurisdiction that derives the majority of its total revenues from property taxes.

SECTION VIII NOMINATING PROCESS

Each independent special district shall be entitled to nominate a maximum of one board member from any district.

Each special district board shall determine its own internal process for selecting a name to be placed in nomination and for ensuring said nominee meets the eligibility criteria as set forth in Section VI.

- Districts are required to ratify said nominee by adoption of a board resolution.

Upon selection of a district nominee, the presiding officer of the district shall provide written notification of their nominee to the presiding officers of all other independent special districts.

An eligible district nominee may circulate a statement of his/her qualifications prior to the date of the ISDSC meeting.

SECTION IX BALLOTING PROCESS

At the meeting of the ISDSC, the balloting shall be conducted in accordance with the following:

- A. If vacant, the first balloting shall be for selection of the "Enterprise District" representative. The candidate receiving a simple majority shall be declared the winner. In the event of a tie or no majority winner, a run-off ballot(s) shall be conducted.
- B. If vacant, the second balloting shall be for selection of the "Non-Enterprise District" representative. The candidate receiving a simple majority shall be declared the winner. In the event of a tie or no majority winner, a run-off ballot(s) shall be conducted.
- C. If vacant, the third balloting shall be for selection of the alternate representative. The candidate receiving a simple majority shall be declared the winner. In the event of a tie or no majority winner, a run-off ballot(s) shall be conducted.

When previous balloting has taken place for Enterprise and/or Non-Enterprise vacancies, the ballot for the alternate representative shall also include the names of all non-winning candidates from the other ballots, if the candidate so desires.

Upon completion of the balloting, the ISDSC shall provide written notification to the LAFCo Executive Officer of the name(s) of the Committee's appointment(s) to the Commission.

SECTION X ALTERNATE NOMINATING AND BALLOTING PROCESS

In the event that the LAFCo Executive Officer determines that securing a quorum of ISDSC members for a meeting is not feasible, the LAFCo Executive Officer may conduct business of the ISDSC in writing (Government Code Section 56332).

SECTION XI TERMS OF OFFICE

Regular representatives shall serve staggered four year terms. The alternate representative shall serve a four year term.

If a representative or alternate is unable to complete a full term, and more than one year is remaining in the uncompleted term, a nominating and balloting process shall be conducted in accordance with these bylaws.

The expiration date of the term of office of each member shall be the first Monday in May in the year in which the term of the member expires (Government Code Section 56334).

Any district member may be removed at any time and without cause by a majority vote of the ISDSC, as the appointing body (Government Code Section 56334). Failure to attend three regular Commission meetings in a calendar year may be grounds for possible removal by the ISDSC.

SECTION XII MEMBER DISQUALIFICATION

At the time of appointment of a regular member or alternate, the ISDSC may, by majority vote, provide that the member or alternate is disqualified from voting as a member of the Commission on any proposal affecting the district of which the member is a representative (Government Code Section 56332).

State of California**GOVERNMENT CODE****Section 56332**

56332. (a) The independent special district selection committee shall consist of the presiding officer of the legislative body of each independent special district. However, if the presiding officer of an independent special district is unable to participate in a meeting or election of the independent special district selection committee, the legislative body of the district may appoint one of its members as an alternate to participate in the selection committee in the presiding officer's place. Those districts shall include districts located wholly within the county and those containing territory within the county representing 50 percent or more of the assessed value of taxable property of the district, as shown on the last equalized county assessment roll. Each member of the committee shall be entitled to one vote for each independent special district of which he or she is the presiding officer or his or her alternate as designated by the governing body. Members representing a majority of the eligible districts shall constitute a quorum.

(b) The executive officer shall call and give written notice of all meetings of the members of the selection committee. A meeting shall be called and held under one of the following circumstances:

(1) Whenever the executive officer anticipates that a vacancy will occur within the next 90 days among the members or alternate member representing independent special districts on the commission.

(2) Whenever a vacancy exists among the members or alternate member representing independent special districts upon the commission.

(3) Upon receipt of a written request by one or more members of the selection committee representing districts having 10 percent or more of the assessed value of taxable property within the county, as shown on the last equalized county assessment roll.

(c) The selection committee shall appoint two regular members and one alternate member to the commission. The members so appointed shall be elected or appointed members of the legislative body of an independent special district residing within the county but shall not be members of the legislative body of a city or county. If one of the regular district members is absent from a commission meeting or disqualifies himself or herself from participating in a meeting, the alternate district member may serve and vote in place of the regular district member for that meeting. Service on the commission by a regular district member shall not disqualify, or be cause for disqualification of, the member from acting on proposals affecting the special district on whose legislative body the member serves. The special district selection committee may, at the time it appoints a member or alternate, provide that the member or alternate

is disqualified from voting on proposals affecting the district on whose legislative body the member serves.

(d) If the office of a regular district member becomes vacant, the alternate member may serve and vote in place of the former regular district member until the appointment and qualification of a regular district member to fill the vacancy.

(e) A majority of the independent special district selection committee may determine to conduct the committee's business by mail, including holding all elections by mailed ballot, pursuant to subdivision (f).

(f) If the independent special district selection committee has determined to conduct the committee's business by mail or if the executive officer determines that a meeting of the special district selection committee, for the purpose of appointing the special district members or filling vacancies, is not feasible, the executive officer shall conduct the business of the committee by mail. Elections by mail shall be conducted as provided in this subdivision.

(1) The executive officer shall prepare and deliver a call for nominations to each eligible district. The presiding officer, or his or her alternate as designated by the governing body, may respond in writing by the date specified in the call for nominations, which date shall be at least 30 days from the date on which the executive officer mailed the call for nominations to the eligible district.

(2) At the end of the nominating period, if only one candidate is nominated for a vacant seat, that candidate shall be deemed appointed. If two or more candidates are nominated, the executive officer shall prepare and deliver one ballot and voting instructions to each eligible district. The ballot shall include the names of all nominees and the office for which each was nominated. Each presiding officer, or his or her alternate as designated by the governing body, shall return the ballot to the executive officer by the date specified in the voting instructions, which date shall be at least 30 days from the date on which the executive officer mailed the ballot to the eligible district.

(3) The call for nominations, ballot, and voting instructions shall be delivered by certified mail to each eligible district. As an alternative to the delivery by certified mail, the executive officer, with prior concurrence of the presiding officer or his or her alternate as designated by the governing body, may transmit materials by electronic mail.

(4) If the executive officer has transmitted the call for nominations or ballot by electronic mail, the presiding officer, or his or her alternate as designated by the governing body, may respond to the executive officer by electronic mail.

(5) Each returned nomination and ballot shall be signed by the presiding officer or his or her alternate as designated by the governing body of the eligible district.

(6) For an election to be valid, at least a quorum of the special districts must submit valid ballots. The candidate receiving the most votes shall be elected, unless another procedure has been adopted by the selection committee. Any nomination and ballot received by the executive officer after the date specified is invalid, provided, however, that if a quorum of ballots is not received by that date, the executive officer shall extend the date to submit ballots by 60 days and notify all districts of the extension.

The executive officer shall announce the results of the election within seven days of the date specified.

(7) All election materials shall be retained by the executive officer for a period of at least six months after the announcement of the election results.

(g) For purposes of this section, “executive officer” means the executive officer or designee as authorized by the commission.

(Amended by Stats. 2015, Ch. 114, Sec. 8. (AB 1532) Effective January 1, 2016.)

**Alameda LAFCO
Special District Alternate Seat Election 2021**

Please complete the following information and
return by **Friday, May 12, 2021 to:**

Rachel Jones, Executive Officer
Alameda LAFCO
224 West Winton Avenue, Suite 110
Hayward, CA 94544

Telephone: (510) 670-6267
Email: rachel.jones@acgov.org

Name of presiding officer or designee who will attend and vote at the
May 12, 2021 ISDSC election meeting at 10:00 A.M., following the
Alameda County Special Districts Association meeting.

NAME: _____

DISTRICT: _____

NOMINATING DISTRICTS ONLY

You may nominate a maximum of one Board member for the
LAFCO alternate seat and the nomination must be ratified by a
Board resolution prior to May 12, 2021.*

Candidate Name for Alternate Seat:

**** If your district is nominating a candidate, you must notify all 14
other independent district presiding officers by mail, fax or e-mail
(see enclosed list of contact information).***



Special District Contact Information*

	District	Address	Fax #	Contact/E-Mail
1	Alameda County Mosquito Abatement District	23187 Connecticut St. Hayward, CA 94545	510-783-3903	Ryan Clausnitzer, General Manager ryan@mosquitoes.org
2	Alameda County Resource Conservation District	3585 Greenville Rd., Suite 2 Livermore, CA 94550	925-371-0155	Katherine Boxer, Executive Officer Katherine.Boxer.Latipow@ca.nacdn.net
3	Alameda County Water District	P.O. Box 5110 Fremont, CA 94537	510-770-1793	Robert Shaver, General Manager robert.shaver@acwd.com
4	Castro Valley Sanitary District	21040 Marshall Street Castro Valley, CA 94546	510-537-1312	Roland Williams, General Manager Roland@cvsan.org
5	City of Alameda Health Care District	2070 Clinton Avenue Alameda, CA 94501	510-814-4381	Debi Stebbins, Executive Director dstebbins@alamedahealthcaredistrict.org
6	Dublin San Ramon Services District	7051 Dublin Boulevard Dublin, CA 94568	925-829-1180	Daniel McIntyre, General Manager mcintyre@dsrsd.com
7	East Bay Municipal Utility District	PO Box 24055, MS 804 Oakland, CA 94623	510-287-0188	Clifford Chan, General Manager cchan@ebmud.com
	East Bay Regional Park District	2950 Peralta Oaks Ct. Oakland, CA 94605	510-569-1417	Robert E. Doyle, General Manager Rdoyle@ebparks.org
9	Eden Township Healthcare District	20400 Lake Chabot Road, Suite 303 Castro Valley, CA 94546	510- 538-2031	Stephen Cassidy, CEO stephen.cassidy@ethd.org
10	Fairview Fire Protection District	777 B Street Hayward, CA 94541	510-583-6414	Michael Preston, General Manager mike.preston@fairviewfiredistrict.org
11	Hayward Area Recreation & Park District	1099 E Street Hayward, CA 94541	510-881-1716	James Wheeler, General Manager jwheeler@haywardrec.org
12	Livermore Area Recreation & Park District	4444 East Avenue Livermore, CA 94550	925-447-2754	Mathew Fuzie, General Manager mfuzie@larpd.org
13	Oro Loma Sanitary District	2600 Grant Avenue San Lorenzo, CA 94580	510-276-1528	Jason Warner, General Manager jwarner@oroloma.org
14	Union Sanitary District	5072 Benson Road Union City, CA 94587	510-477-7501	Paul Eldredge, General Manager paul_eldredge@unionsanitary.com
15	Washington Hospital Health Care District	2000 Mowry Avenue Fremont, CA 94538	510-791-0121	Christine Bartling, District Clerk christine_bartling@whhs.org

Alameda County Mosquito Abatement Dist.
Check Register
 For the Period From Feb 1, 2021 to Feb 15, 2021

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
2541	2/10/21	Airgas	158.24
2542	2/10/21	AT&T	73.98
2543	2/10/21	BARTKIEWICZ, KRONICK & SHANAHAN	480.00
2544	2/10/21	Cintas	364.65
2545	2/10/21	Coverall North America, Inc.	495.00
2546	2/10/21	Engravit	163.88
2547	2/10/21	Grainger	124.12
2548	2/10/21	Huston, Joseph	74.50
2549	2/10/21	Industrial Park Landscape Maintenance	226.00
2550	2/10/21	KBA Docusys	472.45
2551	2/10/21	MAZE & ASSOCIATES	3,526.00
2552	2/10/21	PC Professional	175.00
2553	2/10/21	PFM Asset Management	1,896.68
2554	2/10/21	PG&E	592.35
2555	2/10/21	Schaeffer MFG.Co.	1,231.05
2556	2/10/21	Singh, Ranjit K.	972.96
2557	2/10/21	The Hartford	80.55
2558	2/10/21	U.S Bank Corporate Payment System	7,999.66
2559	2/10/21	VCJPA	217.92
2560	2/10/21	Voya Institutional Trust Company	178.51
ACH	2/10/21	Alameda County Mosquito Abatement Dist	75,079.79
ACH	2/10/21	CalPERS Retirement	14,603.30
ACH	2/10/21	CalPERS 457	3,080.78
Total Expenditures - February 15, 2021.			112,267.37

Alameda County Mosquito Abatement Dist.

Check Register

For the Period From Feb 16, 2021 to Feb 28, 2021

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
2561	2/23/21	Airgas	283.85
2562	2/23/21	Alco Sheet Metal and Heating, Inc.	1,005.00
2563	2/23/21	Bay Alarm	534.73
2564	2/23/21	Cintas	376.63
2565	2/23/21	Grainger	353.65
2566	2/23/21	Guaranteed Auto Service	552.93
2567	2/23/21	Hentschke, Eric Armin	100.00
2568	2/23/21	NBC Supply Corp	592.65
2569	2/23/21	PC Professional	20.00
2570	2/23/21	PG&E	242.28
2571	2/23/21	SCI Consulting Group	13,475.00
2572	2/23/21	Testa, Julie	100.00
2573	2/23/21	Treds	248.04
2574	2/23/21	Verizon	916.38
2575	2/23/21	Voya Institutional Trust Company	178.51
2576	2/23/21	Waste Management of Alameda County	280.83
2577	2/23/21	WEX Bank	2,198.21
2578	2/23/21	Young, George	100.00
ACH	2/23/21	Aguilar, Victor	100.00
ACH	2/23/21	Alameda County Mosquito Abatement Dist	78,053.56
ACH	2/23/21	Beatty, Robert .P	100.00
ACH	2/23/21	Bhat, Subrahmanya Y	100.00
ACH	2/23/21	CalPERS Health	37,866.83
ACH	2/23/21	CalPERS Retirement	14,640.68
ACH	2/23/21	CalPERS 457	3,082.02
ACH	2/23/21	Cooley, Elizabeth	100.00
ACH	2/23/21	Cox, Steven	100.00
ACH	2/23/21	Jordan, Preston	100.00
ACH	2/23/21	Kumagai, Shawn	100.00
ACH	2/23/21	Marquez, Elisa	100.00
ACH	2/23/21	Mingst, Andrew	100.00
ACH	2/23/21	Poulson, Wendi Lynn	100.00
ACH	2/23/21	Roache, Cathy J Pinkerton.	100.00
ACH	2/23/21	Washburn, Jan	100.00

Total Expenditures - February 28, 2021. 156,401.78

Alameda County Mosquito Abatement District
Income Statement
February 28, 2021. (8 of 12 mth, 67%)

REVENUES	Actual 2018/19	Actual 2019/20 ¹	Current Month	Year to Date 2020/21	Budget 2020/21	Actual vs Budget
Total Revenue	\$ 4,922,549.00	\$ 4,986,220.87	\$ 141,872.98	\$ 3,079,955.46	\$ 4,346,513.00	71%

EXPENDITURES	Actual 2018/19	Actual 2019/20 ¹	Current Month ²	Year to Date 2020/21	Budget 2020/21	Actual vs Budget
Salaries	\$ 1,894,209.00	\$ 1,980,518.00	\$ 169,389.65	\$ 1,344,969.66	\$2,116,177	64%
CalPERS Retirement	\$ 310,838.00	\$ 378,833.00	\$ 17,255.20	\$ 354,454.80	\$423,350	84%
Medicare	\$ 25,149.00	\$ 29,651.00	\$ 2,252.30	\$ 18,042.49	\$31,278	58%
Fringe Benefits	\$ 452,960.00	\$ 465,466.00	\$ 37,947.38	\$ 328,047.16	\$527,031	62%
Total Salaries, Retirement, & Benefits	\$ 2,683,156.00	\$ 2,854,468.00	\$226,845	\$2,045,514	\$3,097,836	66%
Clothing and personal supplies (purchased)	\$ 8,899.00	\$ 6,214.00	\$ 972.96	\$ 2,520.02	\$10,000	25%
Laundry service and supplies (rented)	\$ 12,603.00	\$ 10,648.00	\$ 741.28	\$ 5,891.25	\$15,000	39%
Utilities	\$ 30,161.00	\$ 25,962.00	\$ 1,115.46	\$ 7,000.69	\$12,000	58%
Communications-IT	\$ 108,868.00	\$ 83,135.00	\$ 5,082.32	\$ 43,443.24	\$111,400	39%
Maintenance: structures & improvements	\$ 13,673.00	\$ 16,679.00	\$ 1,480.26	\$ 9,787.65	\$25,000	39%
Maintenance of equipment	\$ 43,629.00	\$ 20,600.00	\$ 2,087.32	\$ 12,913.07	\$35,000	37%
Transportation, travel, training, & board	\$ 98,433.00	\$ 95,814.00	\$ 4,397.58	\$ 43,881.15	\$122,400	36%
Professional services	\$ 115,324.00	\$ 112,887.00	\$ 19,377.68	\$ 70,296.13	\$176,200	40%
Memberships, dues, & subscriptions	\$ 20,774.00	\$ 26,317.00	\$ 39.95	\$ 18,813.95	\$23,337	81%
Insurance - (VCJPA, UAS)	\$ 124,688.00	\$ 134,834.00	\$ 217.92	\$ 141,160.05	\$137,524	103%
Community education	\$ 34,861.00	\$ 22,734.00	\$ 459.78	\$ 6,576.25	\$38,575	17%
Operations	\$ 206,731.00	\$ 179,659.00	\$ 1,141.86	\$ 80,213.46	\$241,000	33%
Household expenses	\$ 18,655.00	\$ 14,817.00	\$ 1,201.06	\$ 9,762.82	\$16,750	58%
Office expenses	\$ 11,796.00	\$ 13,761.00	\$ 595.45	\$ 3,998.86	\$12,000	33%
Laboratory supplies	\$ 95,640.00	\$ 100,878.00	\$ 2,901.74	\$ 38,412.44	\$139,000	28%
Small tools and instruments	\$ 2,211.00	\$ 2,056.00	\$ 12.00	\$ 942.16	\$3,000	31%
Total Staff Budget	\$ 946,946.00	\$ 866,995.00	\$ 41,824.62	\$ 495,613.19	\$1,118,186	44%
Total Operating Expenditures	\$ 3,630,102.00	\$ 3,721,463.00	\$ 268,669.15	\$ 2,541,127.30	\$4,216,022	60%

Total Expenditures

1 - As of June 30, 2020.

2 - Total Operating Expenditures in current month may not match the check register due to accounts receivables and petty cash transactions.

**Alameda County Mosquito Abatement District
Investment, Reserves, and Cash Balance Report
February 28, 2021. (8 of 12 mth, 67%)**

Account #	Investment Accounts	Beginning Balance	Deposits	Withdrawals	Interest Activity	Ending Balance
1004	LAIF ¹	\$ 647,655.96	\$ 2,818,000.00	\$ (156,000.00)	\$ -	\$ 3,309,655.96
1005	OPEB Fund	\$ 4,953,715.76	\$ -	\$ -	\$ 29,544.11	\$ 4,983,259.87
1006	VCJPA Member Contingency	\$ 375,883.00	\$ -	\$ -	\$ -	\$ 375,883.00
1008	CAMP: Repair and Replace	\$ 1,040,697.35	\$ -	\$ -	\$ 76.13	\$ 1,040,773.48
1009	CAMP: Public Health Emergency	\$ 526,075.19	\$ -	\$ -	\$ 38.48	\$ 526,113.67
1010	CAMP: Operating Reserve	\$ 1,943,792.59	\$ -	\$ -	\$ 142.19	\$ 1,943,934.78
1011	CAMP: Capital Reserve Fund	\$ 59,090.86	\$ -	\$ -	\$ 4.32	\$ 59,095.18
1012	PARS: Pension Stabilization ²	\$ 1,783,821.46	\$ -	\$ -	\$ (4,912.60)	\$ 1,778,908.86
Total		\$ 11,330,732.17	\$ 2,818,000.00	\$ (156,000.00)	\$ 24,892.63	\$ 14,017,624.80

Account #	Cash Accounts	Beginning Balance	Withdrawals	Activity	Ending Balance
1001	Bank of America (Payroll Account) *	\$ 106,639.66	-	-	\$ 110,216.82
1002	Bank of The West (Transfer Account) * ¹	\$ 3,165,238.79	-	-	\$ 237,946.90
1003	County Account	\$ 164,719.35	\$ -	\$ 141,872.98	\$ 306,592.33
1013	Petty Cash	\$ 405.78	\$ -	\$ -	\$ 405.78
Total		\$ 3,437,003.58	\$ -	\$ 141,872.98	\$ 655,161.83

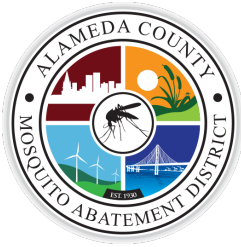
1 - \$2,818,000.00 transferred from Bank of the West to LAIF.

2 -PARS - Pension Stabilization balance is as of January 31, 2021.

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

Alameda County Mosquito Abatement
Balance Sheet Comparison
February

ASSETS	2/28/2021	2/29/2020	Explanation
Current Assets			
Cash	\$ -	-	
Bank of America payroll	107,192.12	109,644.44	Current book balance, different from the ending balance shown on bank statement, due to outstanding deposits (will not match IRC page).
Bank of the West	315,742.02	390,687.52	" "
County	306,592.33	279,563.52	Current balance in County account.
Cash with LAIF	3,309,655.96	1,531,048.79	Current balance in LAIF (working capital) account.
VCJPA- Member Contingency	376,428.00	359,799.00	Reserve amount with VCJPA (updated quarterly)
CAMP - Repair and Replace	1,040,773.48	1,295,857.08	Reserve committed to repair or replace capital assets.
CAMP - Public Health Emergency	526,113.67	523,804.00	Reserve committed for public health emergencies.
CAMP - Operating Reserve	1,943,934.78	1,935,400.79	Reserve committed as an emergency rainy-day fund (= to 60% of current year expenses)
CAMP - Capital Reserve Fund	59,095.18	151,352.69	Reserve for current year capital assets or non-capital facility maintenance
PARS	1,778,908.86	1,612,853.82	PARS is no longer being reported stand-alone on the balance sheet, would only be reported on the balance sheet if it was a liability to the district.
Petty cash	405.78	308.73	To reimburse employees - under \$50
Total Current Assets	9,764,842.18	8,190,320.38	
Property and Equipment			
Acc Dep - equipment	(1,479,068.00)	(1,285,829.43)	Accumulated depreciation expense from date of purchase through current useful life, which reduces assets book values
Acc Dep - stru & improv	(2,485,267.00)	(2,349,631.01)	" "
Acc Dep - conts in progress	-	-	" "
Construction in progress	-	602,327.16	Accumulated cost of a project yet to be completed.
Equipment	1,751,859.00	1,699,506.64	Original cost of depreciable equipment item.
Structure/improvement	4,760,618.00	4,638,621.62	Original cost of depreciable structure/ improvement item.
Land	61,406.00	61,406.00	Original purchase price of owned land; will not change.
Total Property and Equipment	2,609,548.00	3,366,400.98	
Other Assets			
Net OPEB Asset	1,823,556.00	690,338.00	Amount reported on actuary report. Pre-paid amount (overfunded), still considered an asset to the district. The amount has not changed because we have not withdrawn or added to account in the current year.
Total Other Assets	1,823,556.00	690,338.00	
Total Assets	\$ 14,197,946.18	\$ 12,247,059.36	
LIABILITIES AND CAPITAL			
Current Liabilities			
Accounts payable	\$ 104,245.25	\$ 166,731.14	Invoices due but yet to be paid.
AP Credit Card	-	-	Current credit card purchases, no longer shows up on balance sheet due to credit card clearing out when credit card statement is paid.
Acc payroll/vacation	200,290.26	187,668.43	District's debt from employees' unused vacation time.
Def inflow - 75	931,786.00	49,810.00	Other post employment benefit cost. Projected but yet to be incurred. Actuary is suggesting what is going to happen but hasn't happened yet.
Def inflow pen defer GASB 68	289,664.00	192,480.00	Pension benefit cost projected but yet to be incurred. Actuary is suggesting what is going to happen but hasn't happened yet.
Defer outflow pen cont GASB 68	(1,056,534.00)	(1,208,279.00)	Payments into pension incurred but yet to be posted against the outstanding liability at a given point of time.
Net pension liability GASB 68	3,277,554.00	2,952,714.00	Unfunded pension accrued liability as estimated by an actuary as of a given point of time.
Total Current Liabilities	3,747,005.51	\$ 2,341,124.57	
Long-Term Liabilities			
Total Long-Term Liabilities	-	-	
Total Liabilities	3,747,005.51	2,341,124.57	
Capital			
Designated fund balances	4,440,610.19	4,763,137.19	Board approved reserves for designated purposes.
Investment in general fixed as	5,296,151.61	4,637,374.11	Value of fixed assets left any accumulated depreciation and or debt.
Net Income	714,178.87	505,423.49	Net Income = Gross Income - Expenses
Total Capital	10,450,940.67	9,905,934.79	Sum of designated fund balances, investment in general fixed assets and net income.
Total Liabilities & Capital	\$ 14,197,946.18	\$ 12,247,059.36	



MONTHLY STAFF REPORT –1088

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1. OPERATIONS REPORT

In February, spring-like conditions prevailed. Though most of our winter mosquito sources had well below-average water levels, larvae of *Aedes squamiger*, *Aedes washinoi*, *Aedes sierrensis*, and *Culiseta inornata* were collected and treated by ACMAD operations staff. Larvae of the aforementioned *Aedes sp.* appeared to move through their larval instars rapidly, and if left untreated, could potentially emerge as adults earlier than would normally be expected. Operations staff worked through the month on the assumption that the normal expected emergence time of adults of these species, which is typically in the latter weeks of March, may instead occur in the earlier weeks of March. Extensive inspections and treatments of all known potential breeding sources for these winter species were conducted throughout the month.

This included a UAS (drone) treatment for *Ae. washinoi* at Coyote Hills Regional Park in Fremont on February 9th. This operation was piloted by Vector Biologist Tom McMahon. In attendance, were most of the ACMAD operations staff to provide visual observations and to prevent the public from entering the treatment area during the operation. The ACMAD lab staff were present to also provide visual observation and to help measure the effectiveness of the treatment. Also in attendance were the General Manager, I.T. Director, Public Outreach Coordinator, Trustee Eric Hentschke, Coyote Hills Park Supervisor Matt McDonell, and County of Alameda Agricultural Inspector Ashenafi Tadesse and two of his colleagues. The operation went well and facilitated treatment of areas with dense poison oak and willow trees. Much of this area is not accessible to operations staff through our conventional equipment and would otherwise require treatment by helicopter to achieve full coverage. This was ACMAD operation's second UAS treatment to date. Each of these treatments has provided valuable data to provide areas of refinement of the process for future UAS treatment operations.

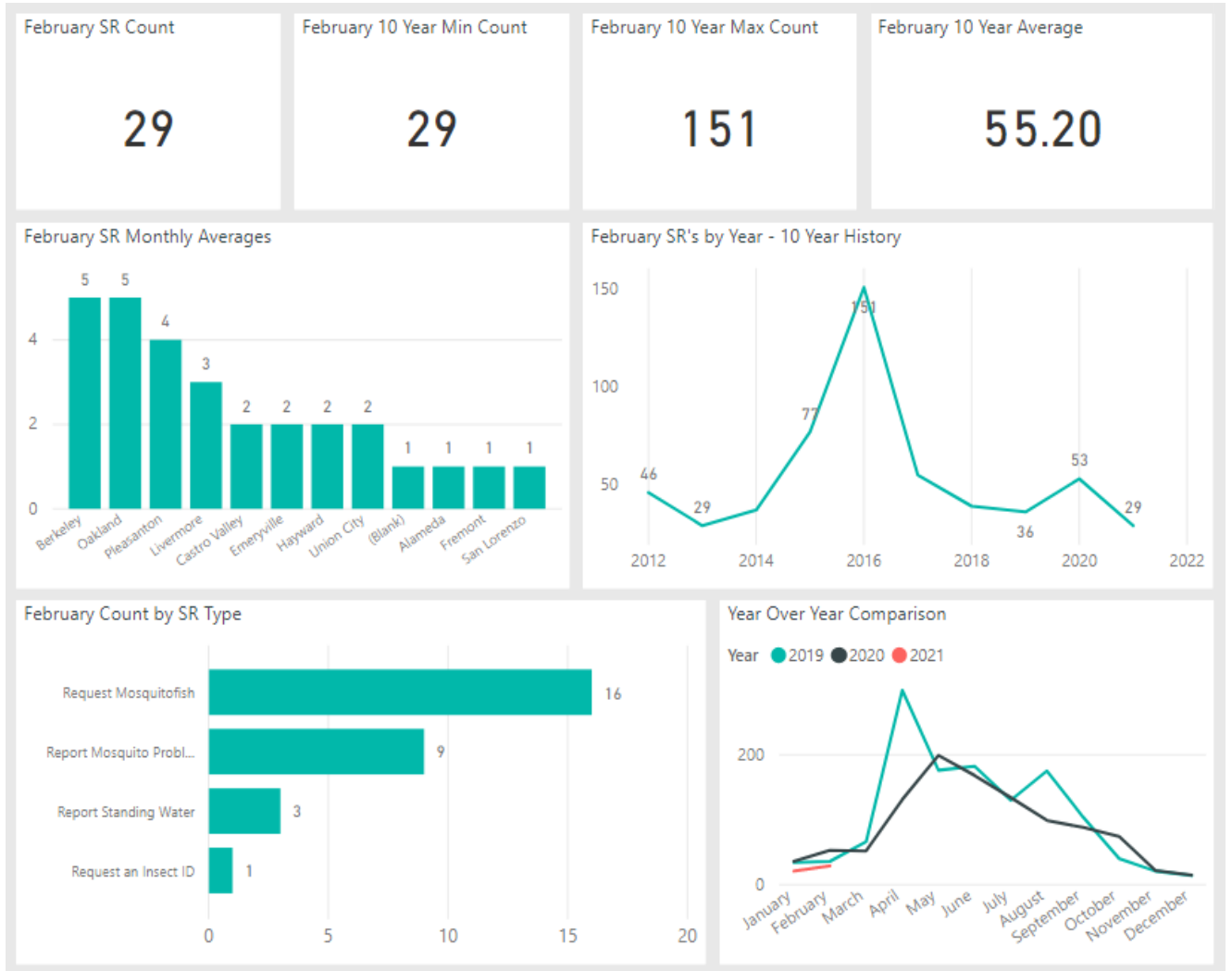
The ACMAD lab detected earlier than normal adult and larval *Culex tarsalis* mosquitoes in February. This species is one of our major species of concern due to its potential to vector West Nile virus. The return to the environment of adults of these mosquitoes from their winter sequestration was also a result of the warmer temperatures and lengthening daylight hours. Operations staff treated several sources for this species in February and will actively continue to do so in the months to come. Early and consistent control of *Cx. tarsalis* larvae is a key aspect of ACMAD's WNV control program. Operations staff will also be closely monitoring for our other spring/summer *Cx. sp.* mosquito species in the months to come. The goal is to treat as many of the larvae of these species early in their life cycle which will limit the number of potential WNV vectoring adults from entering the environment.

Service requests received from the public in February were the lowest in ten years for the month. Over half of the requests were for mosquito fish for back yard ponds, unmaintained swimming pools, and livestock watering troughs. Based on adult trap data from the lab as well as from field observations, February was a very "in between" month for mosquitoes in Alameda county. Winter species were not yet emerging in significant numbers and spring/summer species were just starting to come out of winter sequestration, so overall numbers of mosquitoes were fairly low. This coupled with lower-than-average amounts of standing rainwater made the month rather unique to most February's in the last decade. Thus, the public did not notice much for adult mosquitoes or standing water to report to the district. Operations staff will continue to inspect and treat for both winter and spring/summer species in March.

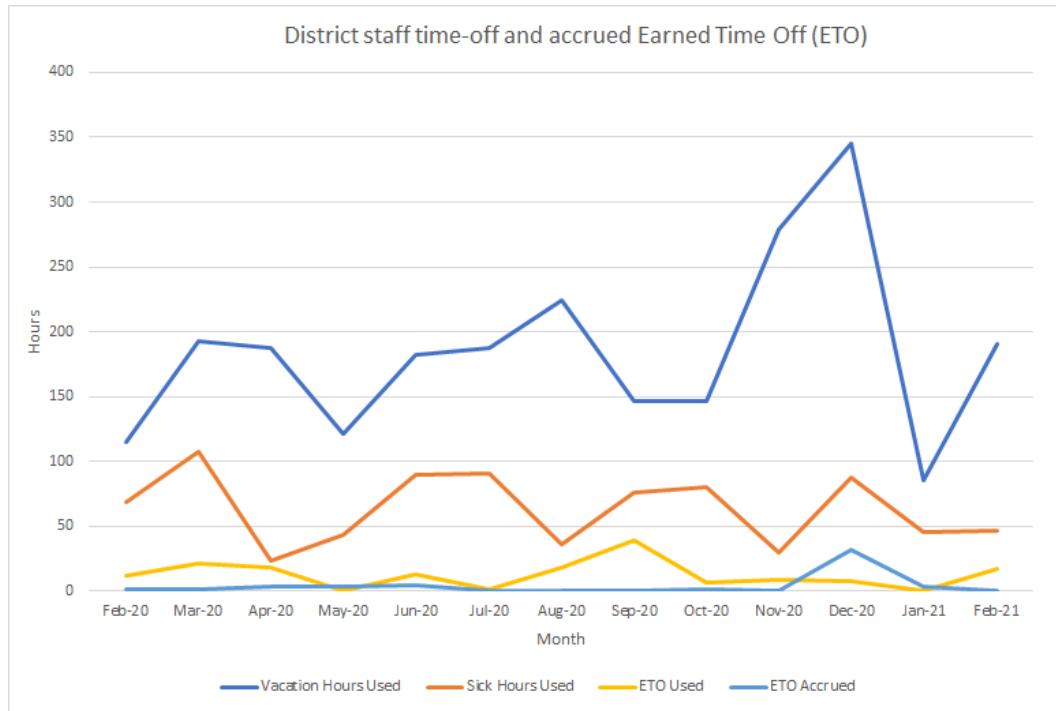
Field Operations Supervisor
Joseph Huston

A. District Data

1. January Service Requests

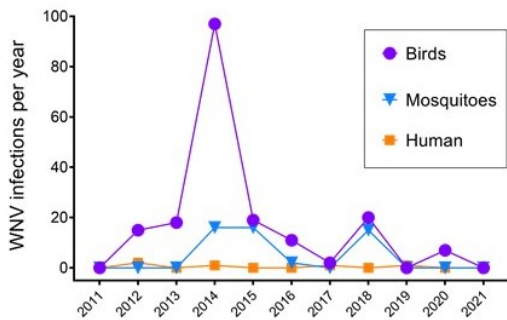


2. Activity Report

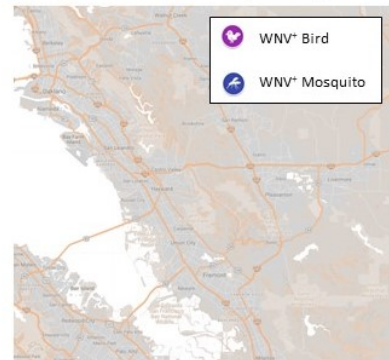


3. WNV Activity

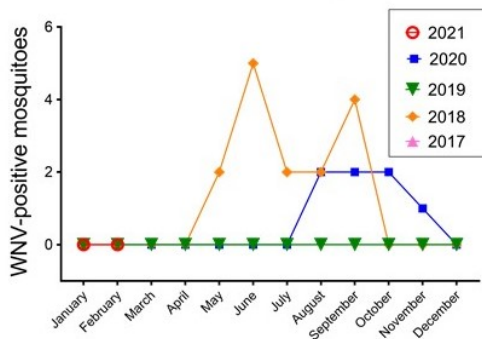
WNV infections detected in Alameda County 2011 – 2021



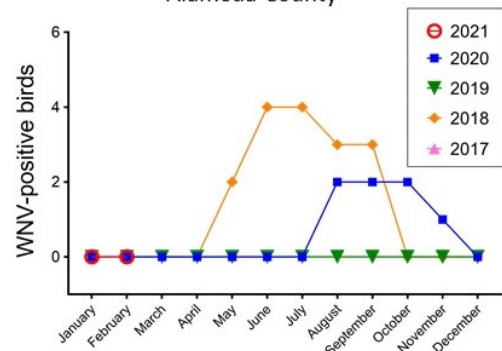
Locations of WNV-infected mosquitoes and birds collected in Alameda County during 2021



WNV-infected birds collected in Alameda County



WNV-infected mosquitoes collected in Alameda County



2. LAB

Summary

- *Arboviruses*. West Nile virus (WNV) was not detected in birds or mosquitoes during February 2021. Saint Louis encephalitis virus (SLEV) and Western equine encephalitis virus (WEEV) was not detected in Alameda County during the prior 5 years.
- *Native mosquitoes*. CO₂-baited encephalitis virus survey (EVS) traps collected 1.5-fold fewer mosquitoes during January 2021 relative to the prior month. New Jersey Light Traps (NJLT) were returned to the field during the last week of February.
- *Invasive mosquitoes*. Invasive *Aedes* mosquitoes were not detected in Alameda County during 2021.

Arbovirus Monitoring

- WNV was not detected in birds collected in Alameda County during February 2021. WNV was last detected in the county during November 2020.
- None of the mosquitoes that were collected during 2021 contained WNV, SLEV, or WEEV. WNV was last detected in mosquitoes during 2018. SLEV and WEEV have not been detected in the County for over a decade.

Native Mosquito Abundance

- Mosquito monitoring efforts increased during February, covering the entirety of the County. Greater effort was focused upon the southern region as it had higher mosquito abundance relative to the northern or eastern regions.
- Over the course of 102 trap nights, a total of 746 mosquitoes were captured in EVS traps. There were on average 7.3 mosquitoes captured per trap night during February 2021; for the prior month, there were 2.8 mosquitoes captured per trap night (a 2.6-fold increase). *Culex tarsalis*, a WNV vector, was the most common species collected in the EVS traps during February 2021, representing 58% of the mosquitoes that were collected (Figure 1 and Figure 2).
- Mosquito abundance, as measured using NJLT, was not assessed during February 2021 as the traps were returned to the field during the final week of the month.

Assessing Application Rate of Larvicide by UAS

The AGRAS MG-1S drone was used to apply Vectobac G granular larvicide at Coyote Hills Regional park during February 2021 from an altitude of approximately 90 feet above the ground (Figure 3A). The quantity of Vectobac G that was deposited was assessed by placing plastic trays (22 x 16 inches) in the treatment area. Sites were selected that had full exposure to the sky and were expected to collect larvicide (N = 9), partially obscured under brush (N = 5) and outside of the treatment area (N = 4).

The quantity of larvicide that was collected in each tray was measured using an analytical balance and reported herein as pounds per acre \pm the standard error of the mean (the value used by pesticide applicators to determine the quantity of insecticide that was applied in an area). The application rate (i.e., label rate) that is permitted for Vectobac G is 2.5 – 20 pounds per acre, with 10 pounds per acre optimal for the habitat and developmental stage of the larvae being treated at CHRP.

The UAS application rate in areas with exposed trays was on average 11.1 ± 1.3 pounds / acre, under brush was 7.3 ± 3.2 pounds / acre, and outside of the treatment area was 3.6 ± 1.3 pounds / acre (Figure 3E). There was no significant difference in the application rate in areas that were exposed or under brush (unpaired t-test, P = 0.2067). Significantly less larvicide was deposited outside of the treatment area relative to the exposed area (unpaired t-test, P = 0.0047).

These results provide evidence of high precision in the location and quantity of larvicide that was deposited by the AGRAS MG-1S drone and that the presence of brush did not significantly reduce the quantity of larvicide that was deposited on the ground. The pounds per acre of larvicide applied is often determined by approximating the size of area treated by foot paces and mass of larvicide applied that is

contained in vessel such as a large plastic bucket or the hopper of a granular blower. The application rate by the UAS was measured a much higher spatial resolution (352 square inches) and showed a very low variance in the quantity of larvicide applied. It may be of interest to compare the uniformity of application by the UAS with applications by hand and granular blower.

FIGURES

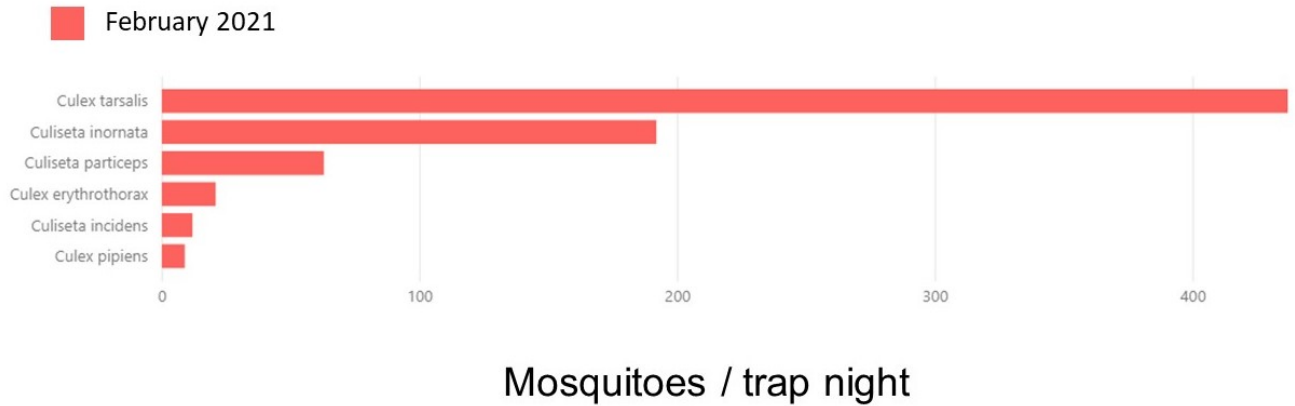


Figure 1. The most abundant species of mosquito captured using EVS CO₂ traps.

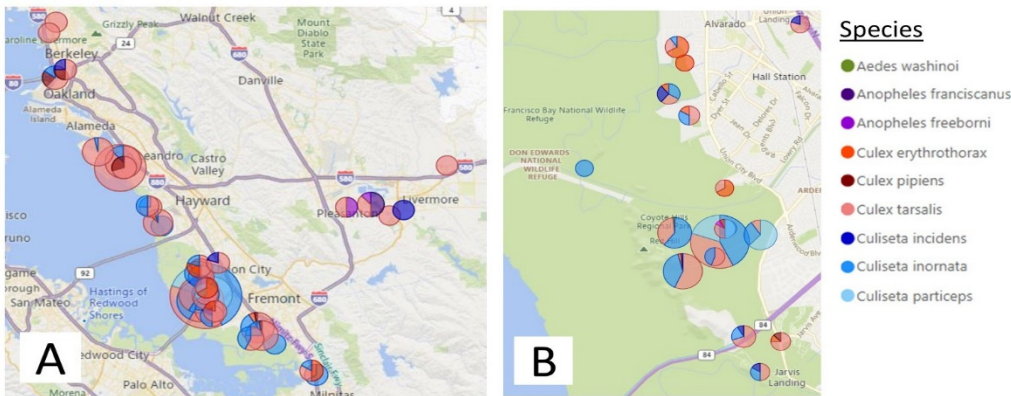


Figure 2. Mosquito abundance by trap site evaluated using EVS CO₂ traps. (A) Pie charts over trap sites indicate the distribution of mosquito species collected at the trap site. The size of the pie charts indicates the relative number of mosquitoes at each site during February 2021. The largest pie chart in the bayside region of Union City represents 141 mosquitoes.

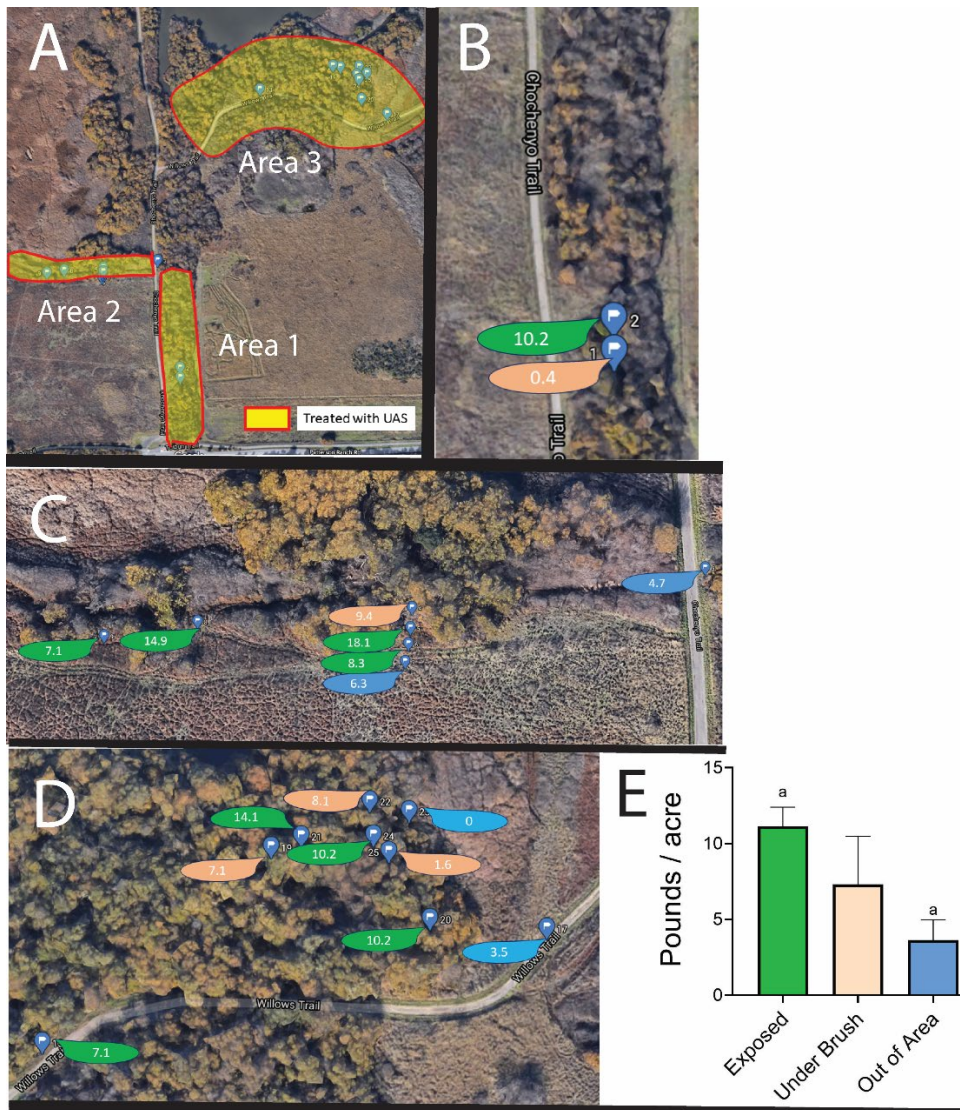


Figure 3. Treatment at Coyote Hills Regional Park with the larvicide Vectobac G using an aerial drone. (A) The three areas that were treated are shown as yellow and red polygons. **(B-D)** Larvicide application rates were estimated by placing 22 x 16 inch trays in the area to collect the larvicide. Green markers indicate exposed trays with visible sky above them, orange markers show locations of trays that were obscured under brush, and blue markers show the location of trays outside of the treatment area. Values within each marker indicate the calculated treatment rate at that site in pounds per acre. **(E)** Average application rate measured in pounds per acre. Bars with letters indicate a significant difference between the groups (unpaired t-test, $P = 0.0047$).

3. PUBLIC EDUCATION

A. Events

- i. Upcoming
- ii. Past

- Virtual presentation to CERT coordinators (Jan 26, 2021)
- Virtual Presentation to 4 H Club of Bayside (Feb 10, 2021)

B. Google Analytics

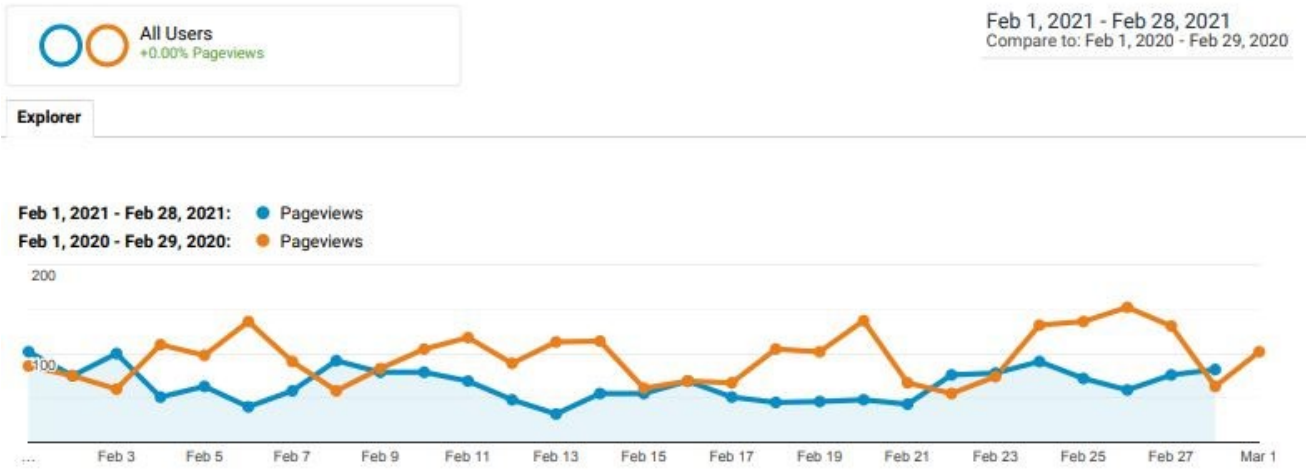


Figure 1. February website users for 2020 compared to 2021.

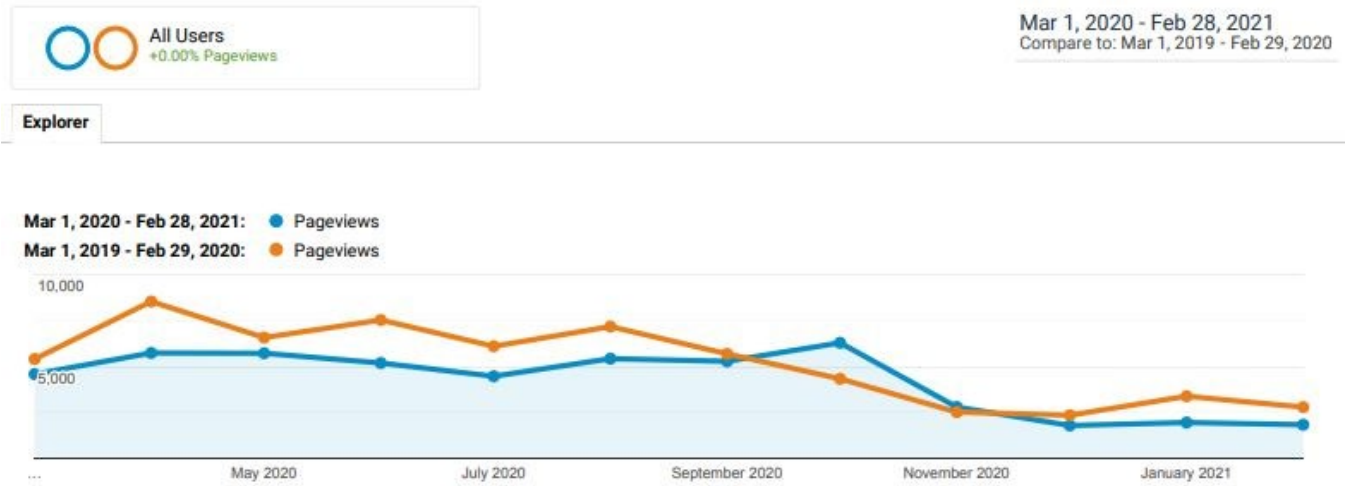
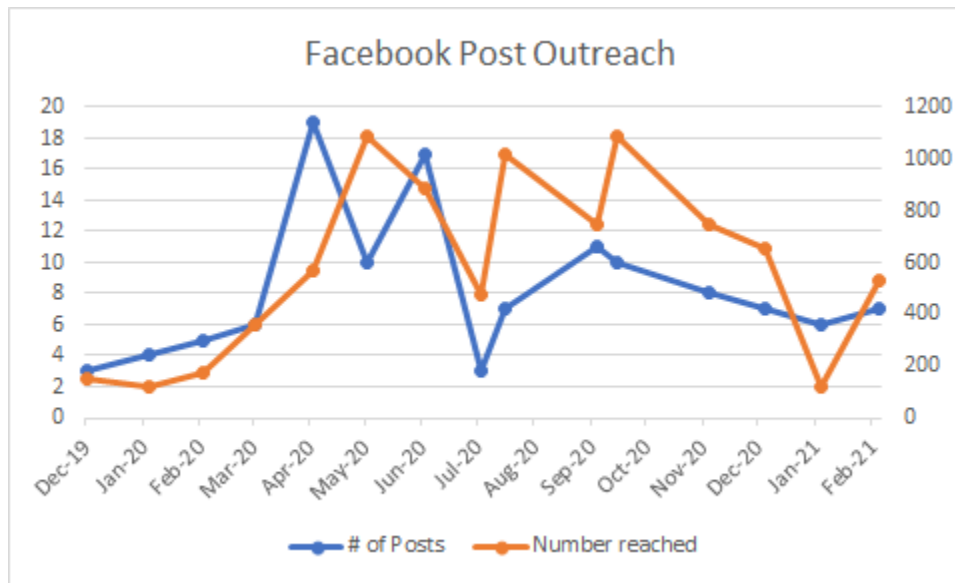


Figure 2. Comparison of website users over the past two years.

C. Facebook

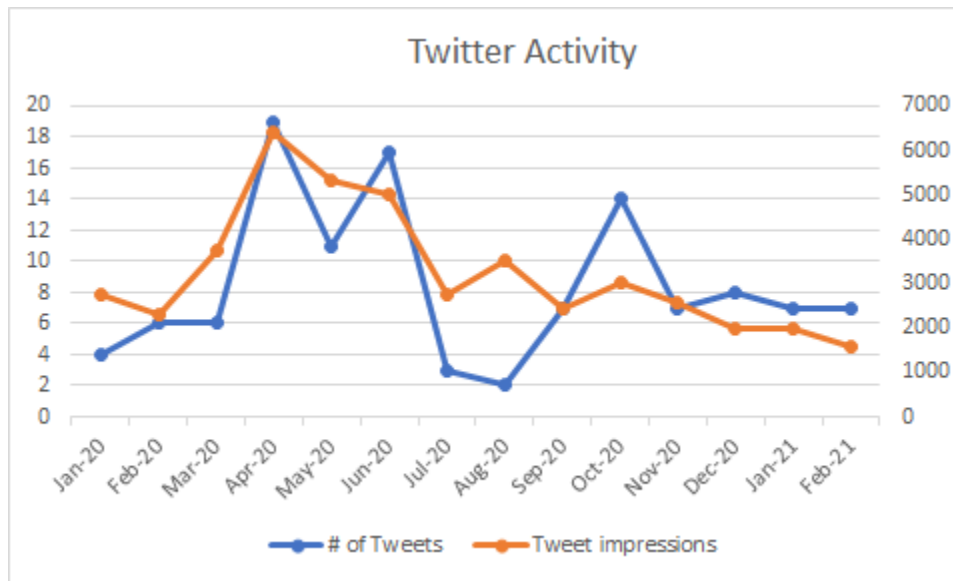


Total Number of Followers: 290 (3 added in February)



February's Most Popular Post: We have mosquitoes that produce in the winter, so make sure to tip, toss or drain any standing water after rain, even if it's cold outside.

D. Twitter



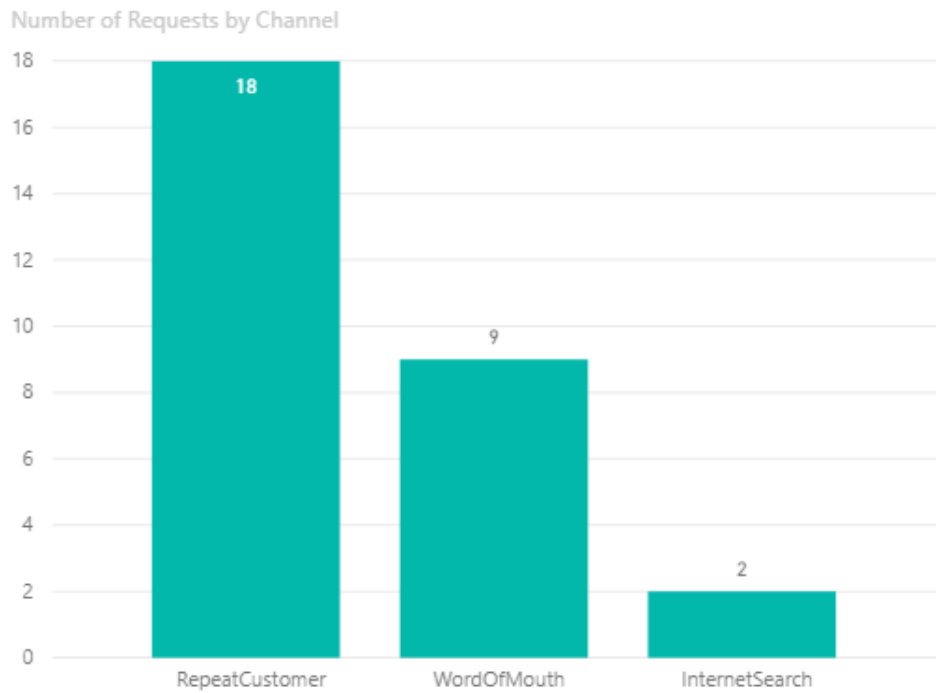
Number of Profile Visits in February: 127

Total Number of Followers: 745 (-1 unfollowed since January)

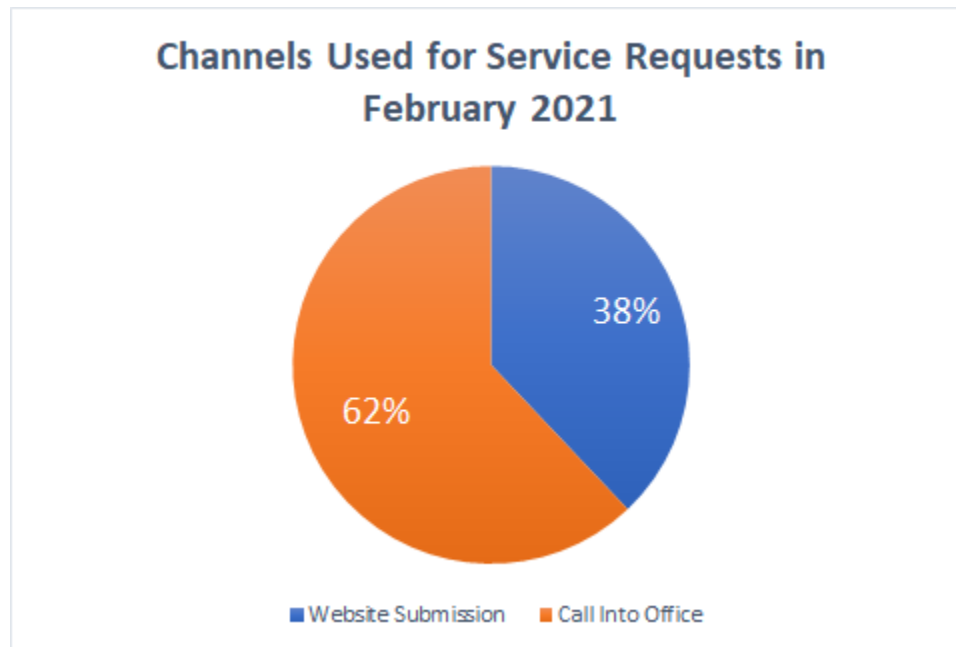


Top February Tweet: We are always looking for ways to improve our services that will save the District time, money and person power. In this picture, one of our longtime biologists is testing a UAS at the local marsh. We hope UAS applications will help in mosquito-heavy areas with thick vegetation.

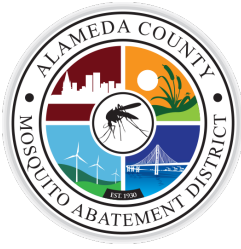
E. Service Request Referral Summary for February



F. Channels Used by Residents to Request Service



29 requests in total, 11 web submissions and 18 calls



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Julie Testa

Pleasanton

Victor Aguilar

San Leandro

Ryan Clausnitzer

General Manager

Background:

ACMAD is pleased to recognize and thank the following Trustees & Staff on their anniversaries in the month of March

Trustee	City	Years of Service	Anniversary Date
Elisa Marquez	Hayward	6	March 3rd
Employee	Title	Years of Service	Anniversary Date
John Busam	Vector Biologist	19	March 1st
Erik Castillo	Regulatory & Public Affairs Director	19	March 1st
Nick Appice	Vector Biologist	7	March 5th