

AGENDA
1070th MEETING OF THE BOARD OF TRUSTEES
OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
JULY 10TH, 2019

TIME: 5:00 P.M.
PLACE: Office of the District, 23187 Connecticut Street, Hayward
TRUSTEES: Eric Hentschke, President, City of Newark
Wendi Poulson, Vice-President, City of Alameda
P. Robert Beatty, Secretary, City of Berkeley
Cathy Roache, County-at-Large
Alan Brown, City of Dublin
Betsy Cooley, City of Emeryville
George Young, City of Fremont
Elisa Marquez, City of Hayward
James N. Doggett, City of Livermore
Jan O. Washburn, City of Oakland
Robert Dickinson, City of Piedmont
Kathy Narum, City of Pleasanton
Victor Aguilar, City of San Leandro
Subru Bhat, City of Union City

1. Call to order.
2. Roll call.
3. President Hentschke 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 1069th meeting held June 12th, 2019 (**Board action required**)
5. Alameda County Mosquito Abatement District Annexation Plan for Services for the City of Albany (Information only).
6. Resolution 1070-1, a resolution requesting local agency formation commission of Alameda County to take proceedings for the annexation of the City of Albany territory to the District (**Board action required**)
7. Financial Reports as of June 30th, 2019: (Information only).
 - a. Check Register
 - b. Income Statement
 - c. Investments, reserves, and cash report
8. Presentation of the Monthly Staff Report for July 2019 (Information only).
9. Presentation of the Manager's Report for July 2019 (Information only).
 - a. Trustee & Staff Anniversaries
 - b. CSDA GM Summit Recap
 - c. Alameda & Contra Costa counties' special district chapters joint meeting: 9:30 A.M on July 15th at Amador Rancho Community Center Building Bellevista Room 1998 Rancho Park Loop, San Ramon

- d. CSDA Annual Conference: September 25th-28th in Anaheim, CA
- e. MVCAC Trustee Council Survey

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: A copy of this agenda is also available at the District website, www.mosquitoes.org or via email by request. Alternative formats of this agenda can be made available for persons with disabilities. Please contact the district office at (510) 783-7744, via FAX (510) 783-3903 or email at acmad@mosquitoes.org to request an alternative format.

MINUTES

1069th MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

June 12th, 2019

TIME: 5:00 P.M.
PLACE: Office of the District, 23187 Connecticut Street, Hayward
TRUSTEES: Eric Hentschke, President, City of Newark
Wendi Poulson, Vice-President, City of Alameda
P. Robert Beatty, Secretary, City of Berkeley
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Jan O. Washburn, City of Oakland
Robert Dickinson, City of Piedmont
Kathy Narum, City of Pleasanton
Victor Aguilar, City of San Leandro
Subru Bhat, City of Union City

1. Board President Hentschke called the regularly scheduled board meeting to order at 5:01 P.M.
2. Trustees Hentschke, Poulson, Beatty, Roache, Cooley, Young, Marquez, Doggett, Washburn, Narum and Bhat were present. Trustees Brown and Aguilar were absent though Trustee Aguilar listened-in via a cell phone call but could not participate. Trustee Dickinson arrived at 5:09 P.M.
3. Board President Hentschke invited members of the public to speak on any issue relevant to the District. Doug Pryor of Bartel & Associates, LLC was present with intern Kasey Nye to report on the District's CalPERS actuarial report. Vector Biologist Jeremy Sette was present to record the minutes.
4. Approval of minutes of the 1068th meeting held May 8th, 2019. President Hentschke suggested a correction to the last minutes regarding his abstention from approving the minutes of April 2019. Trustee Narum commented that an abstention is counted as a "yes" for minute approvals.
Motion: Trustee Washburn moved to approve the minutes
Second: Trustee Marquez
Vote: motion carries: unanimous.
5. Public hearing on the proposed tax rate.
Discussion:
The General Manager discussed the proposed tax rate. There was no input from the public.

6. Resolution 1069-1, a resolution ordering the levy of assessments for fiscal year 2019-20 for the Alameda County Mosquito Abatement District Mosquito and Disease Control Assessment.

Motion: Trustee Washburn moved to approve Resolution 1069-1

Second: Trustee Cooley

Vote: motion carries: unanimous

7. Presentation by Doug Pryor of Bartel & Associates, LLC on the District's CalPERS actuarial report.

Discussion:

Doug Pryor of Bartel & Associates, LLC presented the District's CalPERS actuarial report and fielded the following discussion. Trustee Narum asked if the report assumes a 3% salary increase and if the District gives more than 3%, will there be an impact on the accuracy of this model (yes, and the 3% accounts for inflation). The General Manager asked if there is a cap on how much CalPERS can provide in retirement benefits (the cap is quite high for classic employees, less so for PEPRA members). Trustee Narum commented that these assumptions are if CalPERS meets their rate of return. Trustee Marquez asked if 6.5% was a conservative return estimate (yes, as current financial models assume that the next ten years will be worse than the following 10 years) Trustee Cooley asked about the effect of less money invested in CALPERs with fewer members or defaulting agencies, (CalPERS risk mitigation measures likely accounted for that assumption), and asked if shifting over to a fixed income portfolio might mean lowering of rates (yes). Trustee Bhat commented that a less volatile outlook is preferred (agreed). Trustee Cooley commented on the District's high retired to active member ratio being 69% and commented on the effect of retirees living longer (CalPERS is adjusting to this). Trustee Marquez asked if there is there a reason to become 100% funded (it is recommended for agencies to strive for 100%, but they should avoid becoming overfunded), and asked which number would be best to strive for (90% funded is a good goal). Trustee Beatty asked for clarification between the two funded scenarios (one scenario is to transfer all 115 trust funds in CalPERS now, the other scenario is to wait a few years, or, until operational costs are affected). The General Manager thanked Trustees Dickinson, Cooley and Narum for suggesting this report to guide this, and future, Boards. Trustee Narum commented on the different scenarios that could change on CalPERS end.

8. Closed session to discuss the General Manager's twelve-month evaluation pursuant to Government Code Section 54957.6.

9. Compensation recommendation of General Manager Ryan Clausnitzer based on a recommendation from the Manager Evaluation Committee and according to the employee contract.

Discussion:

The Board came out of closed session and recommended increasing the salary of the General Manager by 7% in fiscal year 2019-2020 beginning on July 1st, 2019.

Motion: Trustee Narum moved to confirm the increase of the General Manager's salary by 7%.

Second: Trustee Bhat

10. Coastal mosquito and vector control districts proposed mutual aid agreement.

Discussion:

The General manager presented the coastal mosquito and vector control districts proposed mutual aid agreement.

11. Presentation of the Financial Reports as of May 31st, 2019.

Discussion:

The General Manager presented the Financial Reports as of May 31st, 2019.

12. Presentation of the Monthly Staff Report for May 2019.

Discussion:

The General Manager presented the Monthly Staff Report for May 2019 and fielded the following discussion. Trustee Beatty asked how many flyovers for pool surveillance are planned this year (just one, like previous years). Trustee Narum commented on how cities were also against eliminating impact fees on ADU construction.

13. Presentation of the Manager's Report for May 2019.

Discussion:

The General Manager presented the Manager's Report for February 2019. Trustee Bhat commented on his enjoyment at the CSDA Legislative Days with the General Manager, and how impressed he was with the lobbyists for the CSDA. Trustee Narum asked who the lobbyists were (the CSDA has three in-house lobbyists). Trustee Bhat asked for clarification on the funders of Biohub (Mark Zuckerberg of Facebook and his wife, Priscilla Chan). Trustee Beatty commented on Biohub's interest in the mosquito genome. Trustee Cooley asked if the protest vote threshold amount for Albany is 25% of the total residents in the city (yes, and/or the affected weighted property owners). Trustee Beatty asked if the property tax will change for those residents if Albany is annexed (yes, our two assessments would be extended to the annexed areas: a \$1.74 special tax, and a \$2.50 benefit assessment per property). Trustee Narum provided background on the current LAFCo commission.

14. Board President Hentschke asked for reports on conferences and seminars attended by Trustees. None.

15. Board President Hentschke asked for announcements from the Board. None.

16. Board President Hentschke asked trustees for items to be added to the agenda for the next Board meeting. None.

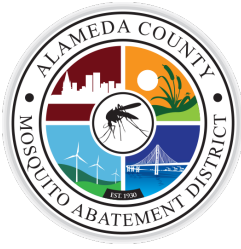
17. The meeting adjourned at 6:50 P.M.

Respectfully submitted,

Approved as written and/or corrected
at the 1070th meeting of the Board of
Trustees held July 10th, 2019

Eric Hentschke, President
BOARD OF TRUSTEES

P. Robert Beatty, Secretary
BOARD OF TRUSTEES



23187 Connecticut Street
Hayward, CA 94545

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acmad@mosquitoes.org

**Alameda County Mosquito Abatement District
Annexation Plan for Services for the
City of Albany
July 2019**

Board of Trustees

President

Eric Hentschke

Newark

Vice-President

Wendi Poulson

Alameda

Secretary

P. Robert Beatty

Berkeley

Cathy Roache

County at Large

Betsy Cooley

Emeryville

Alan Brown

Dublin

George Young

Fremont

Elisa Marquez

Hayward

James N. Doggett

Livermore

Jan O. Washburn

Oakland

Robert Dickinson

Piedmont

Kathy Narum

Pleasanton

Victor Aguilar

San Leandro

Subru Bhat

Union City

Ryan Clausnitzer

General Manager

A. Purpose Statement

The purpose of this Plan for Services (PFS) is to provide an analysis and background information for the proposed annexation of the City of Albany to the Alameda County Mosquito Abatement District (ACMAD, or District), which provides mosquito control to most of Alameda County. This report will provide information to assist Alameda Local Agency Formation Commission (LAFCo) in determining whether mosquito control provided to the affected territory can be reasonably provided, maintained, and financed by the District.

The Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000 (CKH Act) requires that a PFS be prepared prior to “Changes of Organization or Reorganization”. The PFS is a tool LAFCo uses to consider an update to the physical boundary and service area of a local agency. The PFS describes the services to be extended, the level and range of the services, timing for the services, improvements and facility upgrades associated with the services, and how the services would be financed.

This document serves as a PFS for the annexation of approximately 5.46 mi² into ACMAD. This additional area is equal to 0.6% of the current 819.30 mi² service area of ACMAD, or, an additional 20,143 residents which is 1.2% of the population of Alameda County’s 1,663,000 residents,

see Figure 1.



Figure 1. ACMAD District Boundary in yellow, proposed annexation area in purple (Albany city limits)

A PFS demonstrates that adequate services will be provided within the time frame needed by the inhabitants of the area included within the annexed boundary. Government Code Section 56653 states the following requirements for the Plan for Services:

1. Whenever a local agency or school district submits a resolution of application for a change of organization or reorganization pursuant to this part, the local agency shall submit with the resolution of application a plan for providing services within the affected territory.
2. The plan for providing services shall include all of the following information and any additional information required by the commission or the executive officer:
 - a. An enumeration and description of the services to be extended to the affected territory.
 - b. The level and range of those services.
 - c. An indication of when those services can feasibly be extended to the affected territory.
 - d. An indication of any improvement or upgrading of structures, roads, sewer or water facilities, or other conditions the local agency would impose or require within the affected territory if the change of organization or reorganization is completed.

- e. Information with respect to how those services will be financed.

The City of Albany is within ACMAD's Sphere of Influence. The purpose of the annexation is to allow ACMAD to supply the full range of mosquito control services to the City of Albany in a manner that is consistent with the ACMAD and LAFCO policies. This annexation is a logical step for ACMAD and the City of Albany as it would complete the annexation of the last Alameda County city into the District, and it would allow the City of Albany to have local control over its mosquito control activity by way of representation on the ACMAD Board of Trustees. In 2016, the District certified a Final Programmatic Environmental Impact Report (EIR) for its Integrated Mosquito Management Program. The EIR evaluated the potential environmental impacts associated with continuing the Integrated Mosquito Management Program. Even though the City of Albany was not located within the District boundaries at that time, the District included the Albany territory within the scope of the project area analyzed under the EIR.

B. Formation and Annexation History

At the request of the Public Health Center of Alameda County, Professor W. B. Herms, Head of the Division of Entomology and Parasitology, College of Agriculture, University of California, prepared an article entitled "*What Should Be Done in Alameda County Toward Promoting Mosquito Abatement?*" which was published in the November, 1925 issue of the *Alameda County Public Health News*. As a result, a campaign was launched during January 1926 in San Leandro, which led to the formation of ACMAD. A required resolution of endorsement from the city councils of each municipality proposed to be included in the District was secured during 1928-1930. The City Council of Albany declined to act on the resolution of endorsement and no effort was made to include the towns of Pleasanton and Livermore in the eastern part of Alameda County at that time, as the migratory salt-marsh mosquitoes did not particularly affect them. Figure 2 displays the timeline of when Alameda County cities were added to the District

Year	City (or unincorporated area)
1930	Alameda, Berkeley, County of Alameda, Emeryville, Hayward, Oakland, Piedmont, San Leandro
1945	Pleasanton
1956	Fremont, Newark
1959	Union City
1967	Livermore
1981	Dublin

Figure 2. ACMAD City annexation timeline

While the City of Albany was not part of the District, mosquito control services were regularly provided by ACMAD to this area from 1930 to the late 2000's. Mosquito-related services have also been supplied by the Alameda County Vector Control Services District, a division of the County of Alameda Environmental Health Department, since its formation in 1983. The Alameda County Vector Control Services District is separate and distinct from ACMAD.

C. Annexation justification

The District provides mosquito control services for 99.4% of Alameda County (i.e., the entire County except the City of Albany). The service that ACMAD provides is robust, relying on sophisticated data collection and analysis to produce efficient and effective results for the residents of the District. The annexation proposal is based on LAFCo's recommendation to the District, specifically from the District's 2013 Municipal Service Review (MSR):

Annexing the territory of the City of Albany into ACMAD would lessen the fiscal burden on other residents in the County, who are presently subsidizing additional services for the residents of Albany.

Additionally, annexation by ACMAD would allow for more clearly delineated service areas for both ACMAD and VCCSA. It is recommended that the Commission continue to encourage annexation of the City of Albany to ACMAD, as it did during the 2006 SOI updates.

A more recent LAFCo recommendation came during 2017 in the MSR for the City of Albany:

This report also recommends that LAFCo encourage the City of Albany to take the necessary steps to annex into the Alameda County Mosquito Abatement District.

The annexation timing is based on a change of management that occurred in 2015. Current management needed time to determine if the District should move forward with these LAFCo recommendations. A determination to apply for LAFCO annexation was made based on several factors including:

- Clarity
 - Residents of Alameda County would benefit from a single agency for mosquito-related services. Having one District cover 99.4% of Alameda

County, and the County of Alameda providing the other 0.6% leads to confusing messaging to stakeholders, both locally and statewide.

- Efficiency
 - Besides its share of *ad valorem* property tax revenue (.0009% of property tax assessed value), the District only collects \$1.74 per parcel in the form of a special tax, and a \$2.50 per family equivalent (PFE) in benefit assessment. The annexed area would be subject to the same special tax and benefit assessment as the remainder of the District, but otherwise would require no added taxes to existing residents.
 - Mosquito control is a niche industry that requires specialized training, licensing, and equipment. The current mosquito control services provided to Albany are inefficient at this small of a scale, such as the 5 square miles in the proposed annexed area.
- Effectiveness
 - Mosquitoes do not recognize municipal boundaries. The District currently shares three contiguous boundaries with other full-county mosquito control districts (Santa Clara, Contra Costa, and San Joaquin) that utilize similar control methods.
- Accountability
 - The City of Albany would have some local control over the mosquito control activities for the first time in its history. The Albany City Council would appoint a Trustee to the governing body of the District (Board of Trustees) for a two- or four-year term. This Trustee would join the other 14 members of the Board whom represent the other cities in Alameda County and the County of Alameda in governing the District.
- Transparency
 - The District was awarded the District Transparency Certificate of Excellence by the Special District Leadership Academy in both 2016, and again in 2018. ACMAD is one of only a few mosquito control districts in the State of California to be recognized by this voluntary program. On the

District's website, a visitor can find current monthly financial statements, budgets and audits for the past several years, compensation reports, District policies, an organizational chart, and direct contact information for staff.

- Resiliency and Planning
 - The District has been proactive in its strategic planning efforts to ensure risks related to mosquitoes in Alameda County have been identified and mitigated. To plan for financial risks, the District has fully-funded its Other-Post Employment Benefits (OPEB), invested in interest-earning reserve accounts for its capital asset replacement plan, saved for future pension liabilities, and is working to create a mutual aid cost-sharing program for mosquito control districts in the region. The District is also on the forefront of research and planning for impacts to service, due to climate change and sea-level rise. It is sensible to study and apply these long-term resiliency plans across the entire shoreline of Alameda County.

D. Plan for Services Requirements

a. Service Level and Range

Alameda County Mosquito Abatement District is committed to improving the health and comfort of Alameda County residents by controlling mosquitoes and limiting the transmission of mosquito-borne diseases. The full range of mosquito abatement services would be provided to the City of Albany at the same level as services that are provided to the residents and properties within the District's current boundaries. The services in Albany would be provided in accordance with the District Integrated Mosquito Management Program, as the program may be amended from time to time. The program objectives to deliver these services are detailed in the District's 2016 EIR which include:

- Reduce the potential for human and animal disease caused by mosquitoes
- Reduce the potential for human and animal discomfort or injury from mosquitoes
- Accomplish effective and environmentally sound mosquito management by
 - Surveying for mosquito abundance/human contact
 - Establishing treatment criteria

- Appropriately selecting from a wide range of Program tools or components

These objectives are accomplished through an Integrated Vector Management (IVM) framework (Figure 3).



Figure 3: Integrated Vector Management

Beginning on the top circle of Figure 3, the District must first identify the mosquitoes to understand best on how to control them. This occurs through a robust insect surveillance and disease testing program. The District checks over 800 mosquito surveillance traps monthly with a full-time staff of three, and a seasonal staff of three. Different trap types monitor mosquitoes seeking a host and after biting a host using various lures such as odors, lights, and gases. The District's laboratory ensures effective mosquito abatement through quality control measures such as pesticide resistance testing and post-treatment inspections. The District also uses unmanned aircraft systems (drone) technology to survey wild landscapes for standing water conducive for mosquito growth.

Modern vector control includes the use of physical, biological, and chemical methods. An example of physical control used by the District is tidal marsh ditch-clearing using hand-tools. This method, done from September to February every year, allows natural tidal

actions to eliminate any possible mosquito breeding in marsh habitats. Biological control is using naturally occurring bacteria, such as *Bacillus thuringiensis* serotype *israelensis* (*Bti*), our most commonly used mosquito larval control product. *Bti* is a preferred product as it is host-specific and non-residual. Chemical control is traditional “fogging” of adult mosquitoes. While this control method can be effective and necessary in the interest of public health, the District rarely relies on this method of vector control.

Community partnerships, such as working with other local government agencies, are essential to a complete mosquito control program. Lastly, since most mosquito breeding sources are found in residents’ backyards, work is often directed by calls from the public and a sound public outreach program is vital. The District participates in over twenty community events annually in all areas of Alameda County. Community outreach staff evaluate the impact and equity of community events and adjust accordingly. ACMAD uses social media to reach community members along with surveying users of District services to aid in performance management.

The District carries out its mission of improving the health and comfort of Alameda County residents by controlling mosquitoes and limiting the transmission of mosquito-borne diseases to the public through the work of its seventeen full-time and eight seasonal employees (Figure 4).

Alameda County Mosquito Abatement District-2018

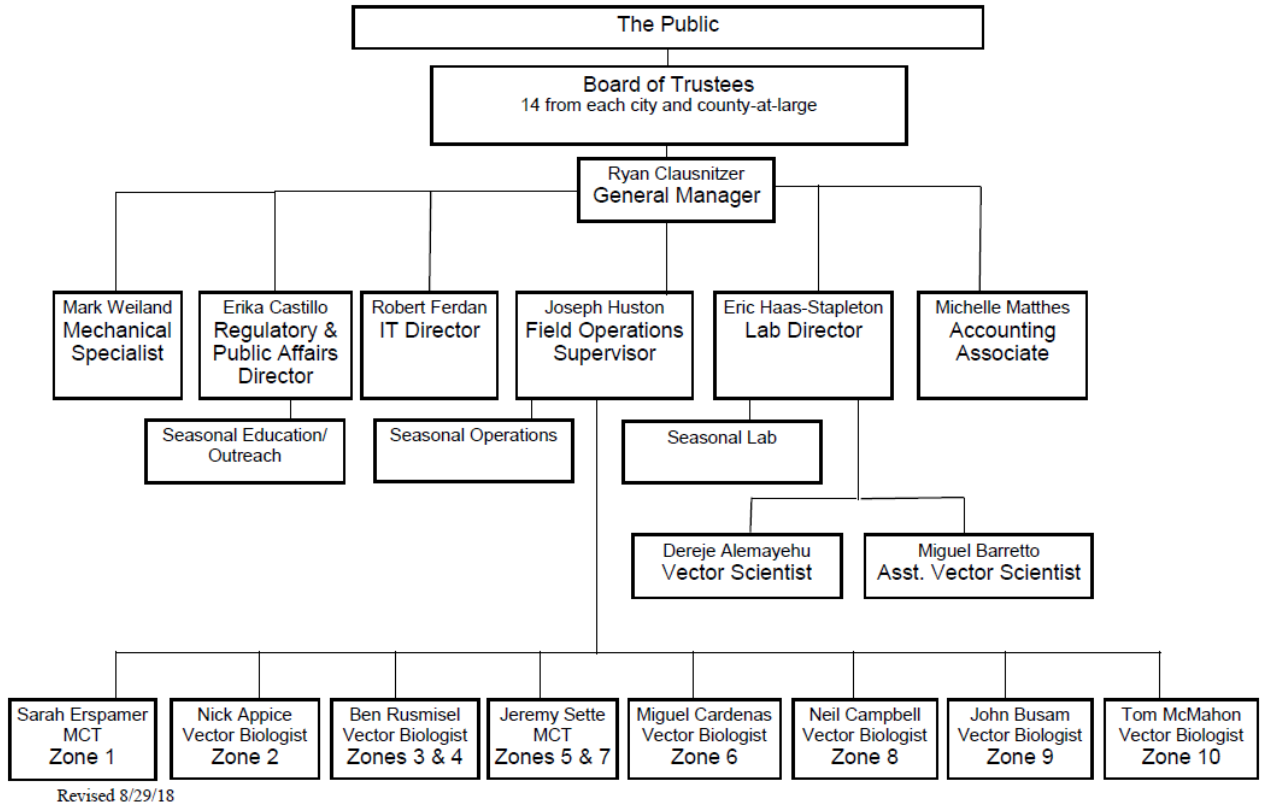


Figure 4: Alameda County Mosquito Abatement District Organizational Chart

Alameda County residents approved a \$5.00 PFE benefit assessment rate in 2008 to fund the enhanced services the District was proposing to offer, but the Board of Trustees decided that it only needed \$2.50 of that amount. The District has kept the benefit assessment level at \$2.50 PFE for over ten years regardless of their authority to raise that amount to over \$7.00 PFE (as the benefit assessment increases according to the consumer price index). Figure 5 illustrates how the District has balanced its budget over the past four years—prioritizing reserve planning for future liabilities while maintaining the current level of service with cost controls:

REVENUES	Budget 19/20	% budget change	Budget 18/19	Actual 17/18	Budget 17/18	A vs B	Actual 16/17	Budget 16/17	A vs B
Ad Valorem Property Taxes	\$2,404,800	10%	\$2,268,000	\$2,054,129	\$2,007,044	2%	\$2,029,076	\$1,823,588	11%
Special Tax (net of Admin)	\$841,491	0%	\$844,239	\$2,026,463	\$812,884	149%	\$821,676	\$802,259	2%
Benefit Assessment (net of Admin)	\$1,146,316	0%	\$1,150,260		\$1,116,182	-100%	\$1,128,235	\$1,096,858	3%
Redevelopment				\$236,382	\$0		\$180,474	\$0	
Interest earned	\$30,000	0%	\$30,000	\$25,505	\$8,000	219%	\$34,156	\$8,000	327%
Charges for Services	\$0		\$0	\$0	\$0		\$0	\$0	
Sale of Property and Equipment, misc	\$6,000		\$6,000	\$86,661	\$5,000	1633%	\$20,824	\$5,000	316%
Reimburse Retiree Health Benefits from OPEB	\$103,630		\$179,229	\$178,000			\$170,229	\$170,909	0%
Reimburse Management fees for OPEB	\$25,000		\$22,000				\$22,100	\$22,100	-100%
Total Revenue	\$4,705,236	5%	\$4,476,728		\$3,949,090	-100%	\$4,366,903	\$3,928,713	11%
EXPENDITURES									
Salaries (including deferred comp.)	\$2,035,791	5%	\$1,933,182	\$1,744,412	\$1,761,305	-1%	\$1,677,469	\$1,700,594	-1%
CalPERS Retirement	\$360,638	19%	\$301,812	\$262,107	\$253,662	3%	\$219,892	\$222,589	-1%
Medicare & Social Security	\$30,843	10%	\$28,031	\$23,564	\$25,881	-9%	\$21,368	\$24,659	-13%
Fringe Benefits	\$502,043	-1%	\$508,680	\$449,954	\$508,388	-11%	\$453,877	\$500,000	-9%
Total Salaries, Retirement, & Benefits (pgs. 2,3)	\$2,929,215	6%	\$2,771,705	\$2,480,037	\$2,547,216	-3%	\$2,372,606	\$2,447,842	-3%
Clothing and personal supplies (purchased)	\$8,000	33%	\$8,000	\$7,309	\$8,500	-14%	\$8,956	\$8,500	5%
Laundry service and supplies (rented)	\$12,750	34%	\$9,500	\$9,819	\$9,000	9%	\$8,840	\$9,000	-2%
Utilities	\$12,800	-65%	\$36,500	\$29,830	\$38,000	-22%	\$27,084	\$35,900	-25%
Communications-IT	\$117,100	-4%	\$122,200	\$102,855	\$109,600	-9%	\$54,128	\$63,650	-15%
Maintenance: structures & improvements	\$25,000	0%	\$25,000	\$21,375	\$28,600	-25%	\$19,503	\$15,000	30%
Maintenance of equipment	\$35,000	0%	\$35,000	\$43,585	\$45,000	-3%	\$27,051	\$45,000	-40%
Transportation, travel, training, & board	\$134,260	0%	\$134,210	\$131,330	\$156,810	-18%	\$134,827	\$176,800	-29%
Professional services	\$169,320	-11%	\$190,820	\$100,563	\$184,770	-48%	\$82,092	\$142,000	-42%
Memberships, dues, & subscriptions	\$22,655	6%	\$21,402	\$15,933	\$22,130	-28%	\$20,191	\$22,935	-12%
Insurance - VCJPA	\$132,666	8%	\$122,471	\$131,393	\$133,810	-2%	\$113,867	\$115,138	-1%
Community education	\$40,000	21%	\$33,000	\$64,109	\$53,000	21%	\$40,222	\$33,000	22%
Operations	\$228,500	-2%	\$234,000	\$178,129	\$260,800	-32%	\$176,758	\$240,000	-26%
Household expenses	\$15,850	-18%	\$19,350	\$18,101	\$20,010	-10%	\$17,373	\$5,000	247%
Office expenses	\$14,500	-4%	\$15,100	\$10,753	\$13,050	-18%	\$18,560	\$14,480	28%
Laboratory supplies	\$137,000	16%	\$118,148	\$113,961	\$105,000	9%	\$80,008	\$83,444	-4%
Small tools and instruments	\$3,000	20%	\$2,500	\$8,376	\$8,500	-1%	\$2,513	\$2,500	1%
Total Staff Budget (pg. 4)	\$1,108,201	-1%	\$1,125,001	\$987,421	\$1,173,580	-16%	\$821,993	\$1,078,397	-24%
Contingency	\$50,000	0%	\$50,000	\$1,039	\$25,000	-96%	\$1,039	\$25,000	-96%
Total Expenditures	\$4,087,416	4%	\$3,946,706	\$3,468,497	\$3,985,796	-13%	\$3,649,516	\$4,046,239	-10%
SURPLUS (DEFICIT)	\$617,820	17%	\$530,021						
CASH CARRIED OVER (pg. 5)	\$485,619	-62%	\$1,269,782						
SURPLUS (DEFICIT) AFTER ADDING THE CASH CARRIED OVER	\$1,103,439	-30%	\$1,799,803						
RESERVE ACCOUNT ALLOCATIONS									
	Budget 19/20	Proposed funded %	Budget 2018/19		Budget 2017/18				
VCJPA Contingency Fund(s)	-\$51,332	52%	\$0		\$50,000				
PARS: Rate Stabilization	\$500,000	57%	\$500,000		\$500,000				
CAMP: Public Health Emergency	\$0	100%	\$0		\$500,000				
CAMP: Repair and Replace (pg. 6)	\$1,196,000	40%	\$193,853		\$1,000,000				
CAMP: Operating reserve	-\$592,561	53%	\$855,950		\$1,000,000				
CAMP: Capital reserve	\$51,332	148%	\$131,752		\$0				
Total reserve allocations (pg. 7)	\$1,103,439	75%	\$1,799,803						
SURPLUS (DEFICIT) AFTER RESERVE ALLOCATIONS	\$0		\$0						

Figure 5: Alameda County Mosquito Abatement District Budget: 2016-2020

b. Service Extension Timing

The District would be able to immediately extend its services to the City of Albany after the conclusion of the LAFCo annexation process. The only substantial changes would include adding a Trustee from the City of Albany which would require an appointment and resolution by the City Council. Existing staff could absorb the additional workload such as requests for services, mosquito control treatments, and mosquito surveillance activities. The District already conducts public outreach events in Albany such as the annual Solano Stroll.

c. Planned Improvements or Upgrades of Services

Albany residents would immediately benefit from the local control and transparency of their services. Besides the financial transparency, residents could request trap and treatment data, or, read monthly reports found on the District's website. Requests for services would typically be responded to within 24 hours using a simple online submission process, or a phone call to a live staff-member. They would also begin to see outreach

into classrooms and at public events. City staff would be introduced to District staff to better coordinate public work planning, such as stormwater management.

d. Financial Plan

Albany residents would fund mosquito control in their city through the extension of an existing annual special tax and benefit assessment that currently charge \$1.74 and \$2.50 per single family residence or equivalent property, respectively. The special tax and benefit assessment in Albany would be subject to the same resolutions, procedures, amounts, rates, and increases that are applied by the District to all territory within the District. Revenue from the annexed area would be collected through the County tax roll at the start of the fiscal year after the conclusion of the LAFCo process (e.g., July 1st, 2020).

RESOLUTION NO. 1070-1

**A RESOLUTION OF APPLICATION BY THE BOARD OF TRUSTEES
OF ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
REQUESTING LOCAL AGENCY FORMATION COMMISSION OF ALAMEDA
COUNTY TO TAKE PROCEEDINGS FOR THE ANNEXATION OF THE CITY OF
ALBANY TERRITORY TO THE DISTRICT**

WHEREAS, the Board of Trustees of the Alameda County Mosquito Abatement District (“District”) desires to initiate proceedings pursuant to the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000 (commencing with Government Code section 56000; the “Act”) for the annexation of the City of Albany territory to the District;

WHEREAS, the District has prepared an Annexation Plan for Services for the City of Albany dated June 2019 (the “Plan”), which describes the District services to be extended to Albany, the level and range of the services, timing for the services, any improvements and facility upgrades associated with the services, and how the services would be financed; and,

WHEREAS, notice of intent to adopt this resolution of application has not been given to each interested and subject agency;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Alameda County Mosquito Abatement District as follows:

1. The District makes and submits this annexation proposal to the Local Agency Formation Commission of Alameda County (“Commission”) pursuant to part 3 (commencing with section 56650) of the Act. This resolution of application is adopted pursuant to Government Code sections 56650 and 56654.
2. This resolution of application proposes to annex the City of Albany territory to the District. The proposal involves a single change of organization, which is annexation of territory to the District.
3. The boundaries of the City of Albany territory proposed to be annexed are described and shown in the attached Exhibit A. The annexation area is inhabited territory within the meaning of the Act.
4. The District proposes and requests that the Commission approve the annexation subject to the following term and condition:

On and after the effective date of the annexation of the City of Albany territory to the Alameda County Mosquito Abatement District, the territory annexed to the District and all inhabitants, registered voters, and property owners within that territory shall be subject to the levying and collection of the previously-authorized District special tax and the District mosquito and disease control assessment in the same manner as applied to the District generally. The District is authorized to

apply, levy, and collect the previously-authorized District special tax and assessment in the annexation territory in accordance with the same resolutions, procedures, amounts, rates, and increases that are applied by the District to all territory within the District.

5. The principal reasons for the proposed annexation are as follows: to extend District mosquito control and related services to the City of Albany territory and its residents and businesses; to create a countywide District covering all cities within Alameda County; to improve the efficiency and effectiveness of mosquito control within Albany; to extend some local control to Albany by expanding the District Board of Trustees to include an Albany representative; and, to implement Commission recommendations from 2013 and 2017. The reasons are further elaborated in the Plan.

6. The District requests that the Commission undertake proceedings for the annexation of the City of Albany territory (as described and shown on Exhibit A) to the District pursuant to part 3 of the Act.

7. This annexation proposal is consistent with the Commission-approved sphere of influence for the District.

8. The District does not request the exchange or transfer of any property tax revenue pursuant to Revenue and Taxation Code sections 99 and 99.01. The District agrees to accept a zero exchange of property tax revenue from the annexation territory.

9. CEQA Finding

a. In 2016, the District certified a Final Programmatic Environmental Impact Report for its Integrated Mosquito Management Program (the "Final EIR"). The Final EIR evaluated the potential environmental impacts associated with continuing the District Integrated Mosquito Management Program (the "Program"). Even though the City of Albany was not located within the District boundaries at that time, the District included the Albany territory within the scope of the Program area analyzed under the Final EIR.

b. In accordance with Public Resources Code section 21166 (part of the California Environmental Quality Act) and CEQA Guidelines section 15162, the Board of Trustees finds and determines as follows: (1) the potential environmental effects of the annexation and mosquito control services within the annexation territory have been fully and adequately analyzed, considered, and mitigated through the Final EIR; (2) the approval and implementation of the proposed annexation are consistent with the Program as evaluated and approved in the Final EIR; (3) there have not been any substantial changes to the Program, substantial changes with respect to the Program circumstances, or new information that necessitate major revisions to the Final EIR; and, (4) therefore, the Final EIR remains adequate and no subsequent or supplemental environmental impact report or additional environmental review is required under CEQA in connection with the annexation.

10. The Board authorizes and directs the General Manager to (a) submit this resolution together with the Plan to the Commission Executive Officer, (b) complete and submit the Commission annexation application and other Commission application-related materials in

accordance with applicable Commission requirements, and (c) approve and execute such other agreements, documents, and certificates as may be necessary or appropriate to effectuate the annexation of the City of Albany territory to the District.

PASSED AND ADOPTED by the Board of Trustees of the Alameda County Mosquito Abatement District at a regular meeting held on the 10th day of July, 2019, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

President, Board of Trustees
Alameda County Mosquito Abatement District

ATTEST:

Secretary, Board of Trustees
Alameda County Mosquito Abatement District

Exhibit A.



ACMAD District Boundary in yellow, proposed annexation area in purple (Albany city limits)

Alameda County Mosquito Abatement Dist.
Check Register
For the Period From Jun 1, 2019 to Jun 30, 2019

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
1634	6/13/19	Payroll	75,220.21
1635	6/14/19	Airgas	442.73
1636	6/14/19	Adapco	10,045.74
1637	6/14/19	All-Ways Green Services	410.00
1638	6/14/19	AT&T	171.68
1639	6/14/19	BARTKIEWICZ, KRONICK & SHANAHAN	2,100.00
1640	6/14/19	CalPERS 457	1,870.00
1641	6/14/19	Clarke	19,101.57
1642	6/14/19	Cintas	225.32
1643	6/14/19	Guaranteed Auto Service	667.68
1644	6/14/19	Industrial Park Landscape Maintenance	215.00
1645	6/14/19	Leading Edge Associate, Inc.	11,760.00
1646	6/14/19	Naylor Steel, Inc.	5.88
1647	6/14/19	NBC Supply Corp	324.86
1648	6/14/19	PG&E	159.10
1649	6/14/19	PC Professional	1,305.94
1650	6/14/19	Ranjit K. Singh	546.56
1651	6/14/19	The Hartford	77.78
1652	6/14/19	Voya Institutional Trust Company	150.00
1653	6/14/19	U.S Bank Corporate Payment System	26,885.93
ACH	6/14/19	CalPERS Retirement	12,154.55
Total Expenditures - June 15, 2019			163,840.53

Alameda County Mosquito Abatement Dist.

Check Register

For the Period From Jun 16, 2019 to Jun 30, 2019

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
1654	6/27/19	Payroll	78,430.39
1656	6/27/19	James N Doggett	100.00
1657	6/28/19	Robert Dickinson	100.00
1658	6/28/19	Eric Armin Hentschke	100.00
1659	6/28/19	Wendi Lynn Poulson	100.00
1660	6/28/19	George Young	100.00
1661	6/28/19	Airgas	740.88
1662	6/28/19	AB Auto Body & Repair	5,588.30
1663	6/28/19	Adapco	15,953.96
1664	6/28/19	Beck's Shoes	162.21
1665	6/28/19	Bartel Associates, LLC	5,420.00
1666	6/28/19	Backupify, Inc	1,800.00
1667	6/28/19	CalPERS 457	1,870.00
1668	6/28/19	Cintas	1,652.08
1669	6/28/19	CCCMA Occupational Clinic	375.00
1670	6/28/19	CarQuest	121.32
1671	6/28/19	Guaranteed Auto Service	1,834.19
1672	6/28/19	Kimball Midwest	77.64
1673	6/28/19	NBC Supply Corp	219.50
1674	6/28/19	PG&E	1,963.32
1675	6/28/19	PC Professional	1,175.65
1676	6/28/19	Pitney Bowes	94.82
1677	6/28/19	Voya Institutional Trust Company	150.00
1678	6/28/19	VSP	667.19
1679	6/28/19	Verizon	1,451.38
1680	6/28/19	Waste Management of Alameda County	272.16
1681	6/28/19	WEX Bank	3,955.82
1682	6/28/19	JCR Custom/ Paul Builder	46,897.00
ACH	6/28/19	CalPERS Retirement	12,126.85
ACH	6/28/19	CalPERS Health	32,515.41
ACH	6/28/19	P. Robert Beatty	100.00
ACH	6/28/19	Subrahmanya Y Bhat	100.00
ACH	6/28/19	Elizabeth Cooley	100.00
ACH	6/28/19	Elisa Marquez	100.00
ACH	6/28/19	Katherine Narum	100.00
ACH	6/28/19	Cathy J Pinkerton. Roache	100.00
ACH	6/28/19	Jan Washburn	100.00

Voided Check: 1655

Total Expenditures - June 30, 2019 216,715.07

Alameda County Mosquito Abatement District
Income Statement
Consolidated
June 30, 2019 (12 of 12 mth, 100%)

REVENUES	Actual 2015/16 ¹	Actual 2016/17 ¹	Current Month	Year to Date 2018/2019	Budget 2018/2019	Actual vs Budget
Total Revenue	\$ 4,180,831.00	\$ 4,366,903.00	\$ 6,579.66	\$ 4,063,848.12	\$ 4,476,728.00	91%

EXPENDITURES	Actual 2015/16	Actual 2016/17	Current Month ²	Year to Date 2018/2019	Budget 2018/19	Actual vs Budget
Salaries	\$1,661,234	\$1,677,469	\$ 164,295.20	\$ 1,874,396.01	\$1,933,182	97%
CalPERS Retirement	\$205,340	\$219,892	\$ 13,843.99	\$ 310,838.21	\$301,812	103%
Medicare	\$21,160	\$21,368	\$ 2,223.89	\$ 25,149.24	\$28,031	90%
Fringe Benefits	\$554,630	\$453,877	\$ 33,260.38	\$ 452,960.30	\$508,680	89%
Total Salaries, Retirement, & Benefits	\$2,442,364	\$2,372,606	\$213,623	\$2,663,344	\$2,771,705	96%
Clothing and personal supplies (purchased)	\$7,169	\$8,955	\$ 708.77	\$ 6,788.74	\$6,000	113%
Laundry service and supplies (rented)	\$7,162	\$8,840	\$ 1,877.40	\$ 12,339.44	\$9,500	130%
Utilities	\$22,214	\$27,084	\$ 2,394.58	\$ 30,055.44	\$36,500	82%
Communications-IT	\$32,756	\$54,128	\$ 20,473.77	\$ 104,551.60	\$122,200	86%
Maintenance: structures & improvements	\$6,739	\$19,503	\$ 4,348.92	\$ 12,750.47	\$25,000	51%
Maintenance of equipment	\$24,175	\$27,051	\$ 8,586.47	\$ 41,881.83	\$35,000	120%
Transportation, travel, training, & board	\$75,326	\$124,827	\$ 5,071.69	\$ 95,402.01	\$134,210	71%
Professional services	\$159,499	\$82,082	\$ 7,895.00	\$ 105,099.96	\$190,620	55%
Memberships, dues, & subscriptions	\$14,540	\$20,191	\$ -	\$ 20,773.00	\$21,402	97%
Insurance - (VCJPA, UAS)	\$106,268	\$113,867	\$ -	\$ 125,189.76	\$127,851	98%
Community education	\$12,450	\$40,222	\$ 5,767.72	\$ 31,951.31	\$33,000	97%
Operations	\$187,490	\$176,758	\$ 45,671.68	\$ 198,911.60	\$234,000	85%
Household expenses	\$13,790	\$17,373	\$ 410.00	\$ 18,562.55	\$19,350	96%
Office expenses	\$14,195	\$18,590	\$ 772.77	\$ 8,800.33	\$15,100	58%
Laboratory supplies	\$76,130	\$80,008	\$ 12,874.94	\$ 76,321.99	\$118,148	65%
Small tools and instruments	\$1,155	\$2,513	\$ -	\$ 2,001.12	\$2,500	80%
Total Staff Budget	\$ 780,944.00	\$833,192	\$ 116,853.71	\$ 891,381.15	\$1,130,381	79%
Total Operating Expenditures	\$ 3,032,263.00	\$3,479,710	\$ 330,477.17	\$ 3,554,724.91	\$3,902,086	91%

1 - Subcategories in Fiscal years 2015/16 and 2016/17 do not add up due to accruals not being posted

2 - Total Operating Expenditures in current month do not match the check register due to Accounts receivable, capital purchases, and petty cash transfer.

**Alameda County Mosquito Abatement District
Investment, Reserves, and Cash Balance Report
June 30, 2019. (12 of 12 mth, 100%)**

Account #	Investment Accounts	Beginning Balance	Deposits	Withdrawals	Interest Activity	New Balance
101109	LAIF	\$ 3,337,839.55	\$ -	\$ (332,000.00)	\$ -	\$ 3,005,839.55
800006	OPEB Fund	\$ 4,227,668.98	\$ -	\$ -	\$ 173,965.56	\$ 4,401,634.54
101106	VCJPA Member Contingency	\$ 348,346.00	\$ -	\$ -	\$ -	\$ 348,346.00
101106.1	VCJPA Property Contingency	\$ 52,025.00	\$ -	\$ -	\$ -	\$ 52,025.00
800007.1	CAMP: Repair and Replace ¹	\$ 420,800.69	\$ -	\$ (84,754.60)	\$ 774.95	\$ 336,821.04
800007.2	CAMP: Public Health Emergency	\$ 515,718.25	\$ -	\$ -	\$ 1,052.30	\$ 516,770.55
800007.3	CAMP: Operating Reserve	\$ 1,905,524.79	\$ -	\$ -	\$ 3,888.16	\$ 1,909,412.95
800007.4	CAMP: Capital Reserve Fund	\$ 230,857.54	\$ -	\$ -	\$ 471.06	\$ 231,328.60
800008	PARS: Pension Stabilization ²	\$ 1,046,919.42	\$ -	\$ -	\$ (10,788.49)	\$ 1,036,130.93
Total		\$ 12,085,700.22				\$ 11,838,309.16
Cash Accounts		Beginning Balance		Withdrawals	Activity	New Balance
101110	Bank of America (Payroll Account)	\$ 119,619.03				\$ 120,567.91
101111	Bank of The West (Transfer Account)	\$ 257,716.05				\$ 335,805.48
100001	County Account	\$ 198,772.77				\$ 204,548.94
Total		\$ 576,107.85	\$ -	\$ -	\$ -	\$ 660,922.33

1 - \$84,754.60 was transferred from CAMP- Repair and Replace to cover remodel project.

2- PARS - Pension Stabilization balance is as of May 31, 2019.

Alameda County Mosquito Abatement Dist.
Balance Sheet
June 30, 2019

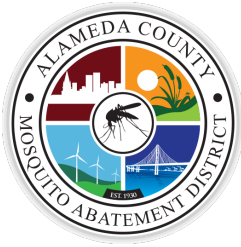
ASSETS

Current Assets		
Pooled cash and investment	\$	204,548.94
Cash		4,401,634.54
VCJPA- Member Contingency		348,346.00
VCJPA - Property Contingency		52,025.00
Cash with LAIF		3,005,839.55
Bank of America payroll		116,196.76
Bank of the West		350,897.46
Petty cash		324.49
CAMP - Repair and Replace		336,821.04
CAMP - Public Health Emergency		516,770.55
CAMP - Operating Reserve		1,909,412.95
CAMP - Capital Reserve Fund		231,328.60
PARS		1,036,130.93
		<u>12,510,276.81</u>
Total Current Assets		12,510,276.81
Property and Equipment		
Acc Dep - stru & improv	(2,316,874.89)	
Acc Dep - equipment	(1,306,030.50)	
Land		61,406.00
Structure/improvement		4,529,022.67
Construction in progress		345,294.40
Equipment		1,619,670.10
		<u>2,932,487.78</u>
Total Property and Equipment		2,932,487.78
Other Assets		
Net OPEB Asset		716,666.00
		<u>716,666.00</u>
Total Other Assets		716,666.00
Total Assets	\$	<u><u>16,159,430.59</u></u>

LIABILITIES AND CAPITAL

Current Liabilities		
Accounts payable	\$	104,215.36
Acc payroll/vacation		167,855.50
Defer outflow pen cont GASB 68		(818,392.00)
Net pension liability GASB 68		2,642,666.00
Def inflow pen defer GASB 68		809,861.00
Def inflow - 75		41,760.00
		<u>2,947,965.86</u>
Total Current Liabilities		2,947,965.86
OPEB Fund		4,401,634.54
		<u>7,349,600.40</u>
Total Liabilities		7,349,600.40
Capital		
Investment in general fixed as		3,641,667.89
Designated fund balances		4,100,295.19
Net Income		1,067,867.11
		<u>8,809,830.19</u>
Total Capital		8,809,830.19
Total Liabilities & Capital	\$	<u><u>16,159,430.59</u></u>

Unaudited - For Management Purposes Only



23187 Connecticut Street
Hayward, CA 94545

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acmad@mosquitoes.org

Board of Trustees

MONTHLY STAFF REPORT – June 2019

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General Manager

1. OPERATIONS REPORT

Operations staff responded to 183 requests for service received from the public in June. The primary mosquito species attributed to most of these requests was *Culiseta incidens*. This species is one of our most common mosquitoes in Alameda county. *Cs. Incidens*, often called the “cool weather mosquito” or the “fish-pond mosquito”, breeds all year-round. They can be aggressive biters in dawn and dusk hours or in shaded areas and are potential vectors of St. Louis Encephalitis, Western Equine Encephalitis, and Japanese Encephalitis. This species is our most commonly encountered mosquito in back-yard sources holding water such as; buckets, plant saucers, cans, tarps, ornamental fishponds, and unmaintained swimming pools. They will also breed in creeks, livestock troughs, and even hoof-prints holding water. Both larvae and adults are large when compared to most of our other mosquito species and thus, are very noticeable to the public. We find this species consistently in both urban and rural areas of our county.

In large part, much of ACMAD’s mosquito fish program was engineered to address *Cs. incidens*. It is almost a given that a backyard fishpond or a horse trough will be a source of breeding for this species if mosquitofish are not present. When operations staff place mosquitofish into ornamental ponds and encounter mosquito larvae, they are usually larvae of *Cs. incidens*. Being that fish requests typically account for half or more of all the requests for service received by ACMAD in a given month, it becomes apparent how big a role this species plays in operational activities on a regular basis.

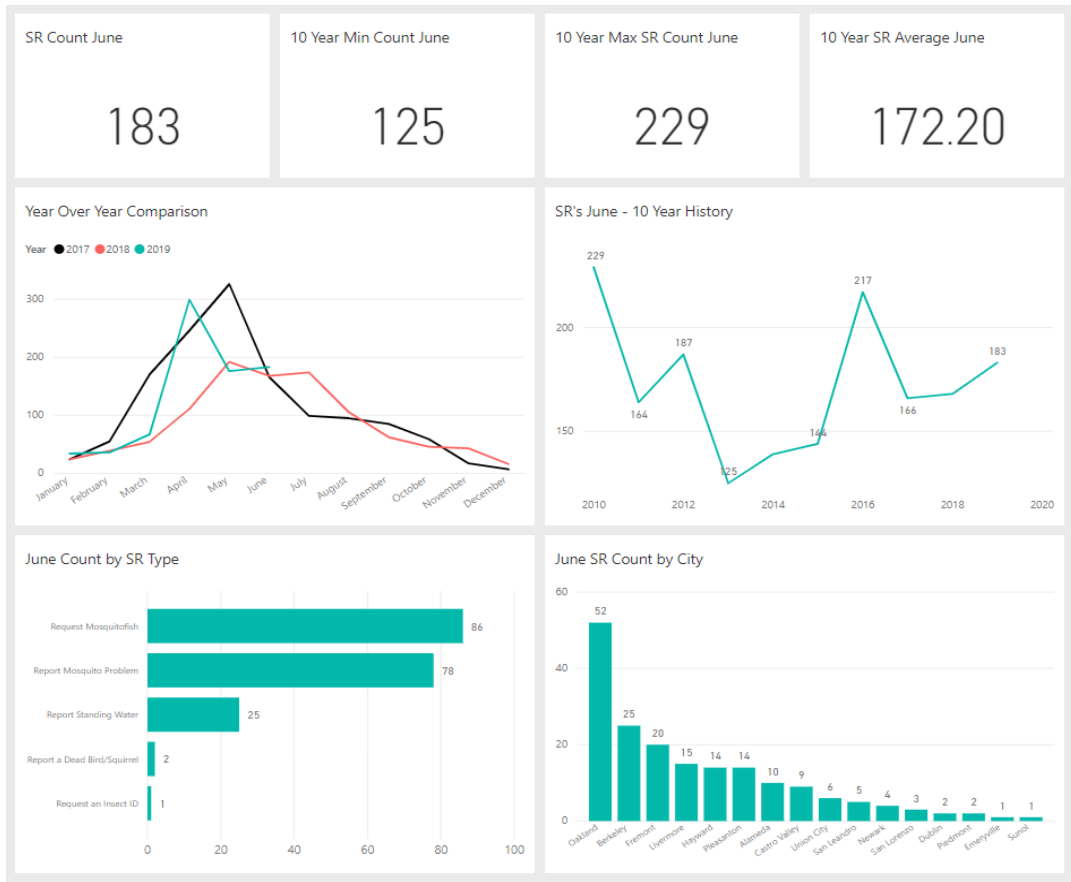
To date, no West Nile virus (WNV) positive birds or mosquitoes have been collected in Alameda county. However, WNV is already active in various counties throughout the state. During June, operations staff spent much of their time inspecting and treating sources for our three WNV species of concern; *Culex pipiens*, *Culex tarsalis*, and *Culex erythrothorax*. Timely control of the larvae of these three species plays a critical role in our efforts to limit the numbers of adults of these mosquitoes in the environment that can potentially transmit WNV. All three species will continue to be the prime focus of operations field work for months to come. Based on current trap and service request data, adult populations of all three species were at lower levels than they have been during June in the prior three years. Considering the amount of rainfall and late rains our county received during the 2018-2019 season, these numbers are a good indicator that effective larval control was achieved during June as well as the months prior.

Culex erythrothorax is closely associated with fresh water tule and bullrush marshes. These marshes can be difficult to inspect and treat due to the density of vegetation and variable water depths. Larvae are very difficult to collect, and the main indicator of significant presence of this mosquito is by the collection of adults in various traps. They are often present in high numbers, fortunately, this species tends to not travel long distances from their breeding sources. The primary sources of focus for *Culex pipiens* were catch basins, storm drains, sumps and sewer plants. These sources will continue to be inspected and treated until the first rains toward the later part of the year arrive and flush out these sites. *Culex tarsalis* larvae were treated in marsh and field areas that have not fully dried down from the late rains earlier this year. Inspections also lead to the collection of larvae and treatments of this species in canals that have started to slow in flow rates and in unmaintained swimming pools.

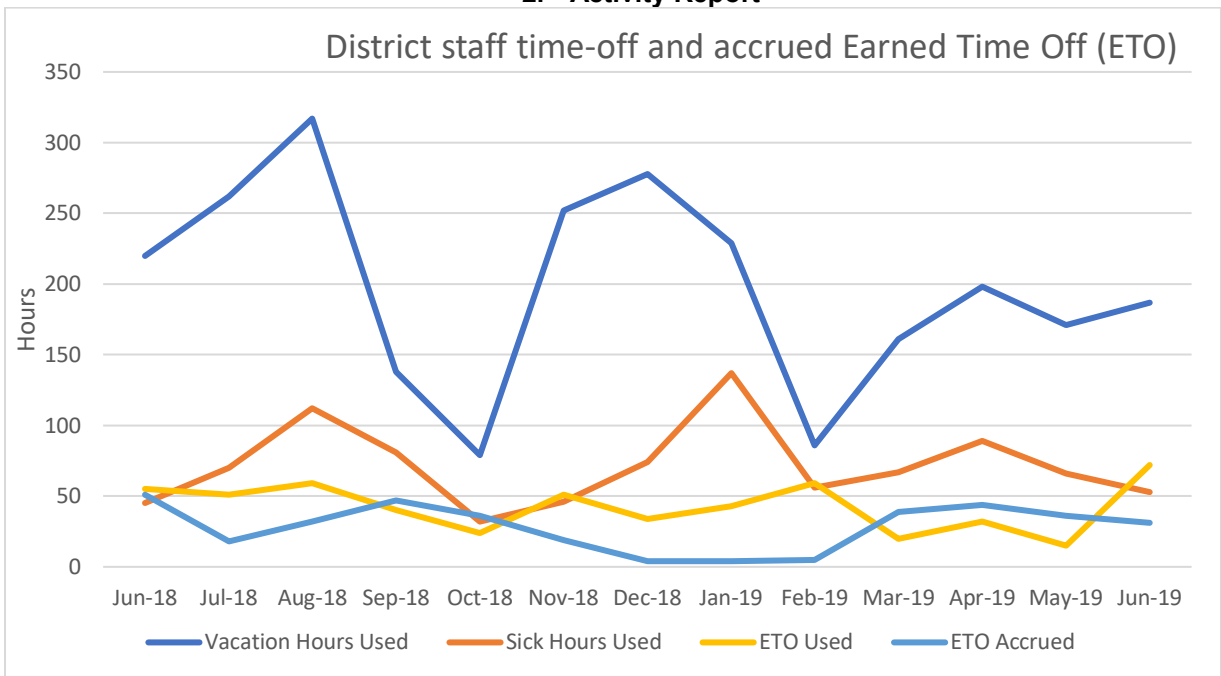
Joseph Huston
Field Operations Supervisor

A. District Data

1. Service Requests

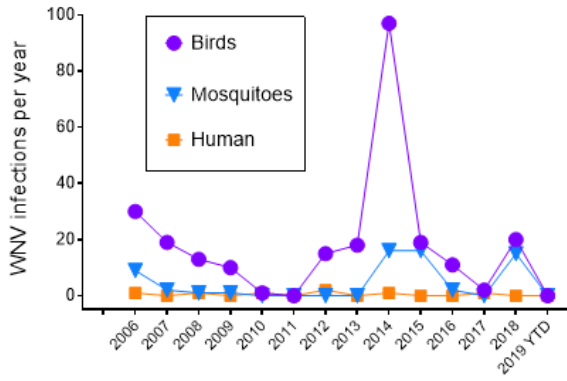


2. Activity Report

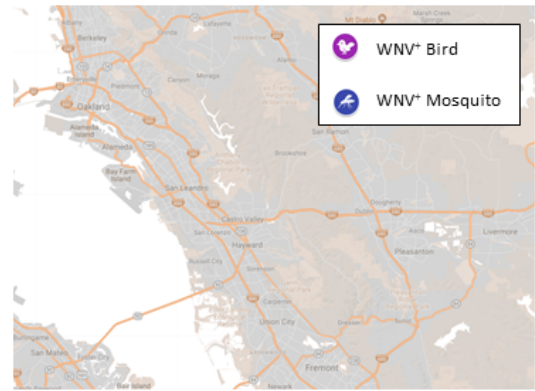


3. WNV Activity

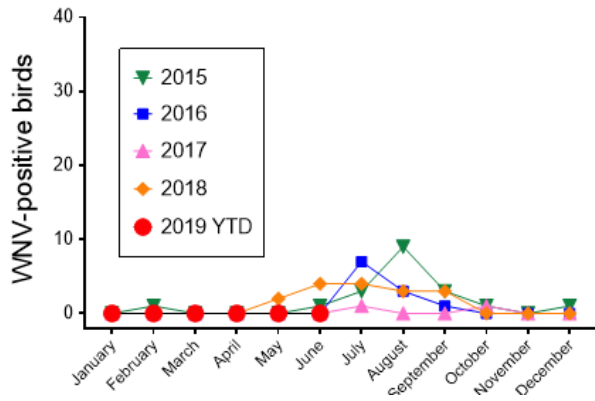
WNV infections detected in Alameda County
2005 – 2019 YTD



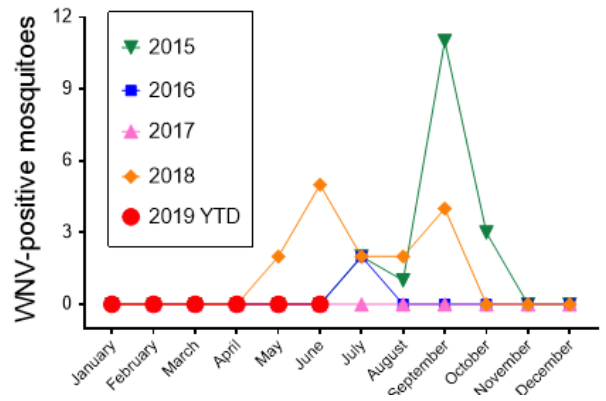
Locations of WNV-infected mosquitoes and birds collected in Alameda County during 2019



WNV-infected birds collected in
Alameda County



WNV-infected mosquitoes collected in
Alameda County



2. LAB

Summary

- West Nile virus (WNV) was not detected in birds or mosquitoes during the month of June.
- Adult mosquito abundance during June 2019 was slightly higher than the prior year because of increased late-season rainfall during the prior month.
- A total of 97,475 adult mosquitoes were captured and killed by lab traps during June.

Arbovirus Monitoring

- West Nile virus (WNV) was not detected in birds or mosquitoes during the month of June 2019.
- None of the mosquitoes or birds that were collected during 2019 were found to contain Saint Louis encephalitis virus (SLEV) or Western equine encephalitis virus (WEEV).

Native Mosquito Abundance

- The month of June was warm and without rain, allowing for ample opportunity for placing mosquito traps. trapping mosquitoes. For the month of June, there was no rainfall and the average maximum temperature was 75 °F (Hayward, CA). The prior two months had average maximum temperatures of 62 °F and 69 °F.
- Over the course of the month, 407 EVS CO₂ traps were placed; 10,186 mosquitoes were collected and identified to species (Figure 1). There was an average of 25.0 mosquitoes per trap night, a 1.6-fold decrease in the number of mosquitoes per trap night relative to the prior month (n = 6,082 mosquitoes collected during April 2019). *Culex erythrothorax* was the most abundant species collected in EVS CO₂ traps, followed by *Culex tarsalis*, and *Culiseta incidens* (Figure 2). The geospatial distribution of mosquito species collected in EVS CO₂ traps at each trap site is displayed in Figure 3. Overall, mosquito abundance during June 2019 as measured by EVS CO₂ traps was slightly higher than the prior year (Figure 2; 2019, red line; 2018, yellow line), but substantially lower than the same period of 2017 (Figure 2; 2017, blue line).
- Mosquito abundance, as measured using NJLT, was similar to the prior month (Figure 4; 1.23 and 1.23 mosquitoes / trap night, respectively; total of 1,150 mosquitoes over 938 trap nights). *Culiseta incidens* was the most prevalent species collected in NJLT during June 2019, followed by *Culiseta particeps* and *Aedes washioni* (Figure 5).
- The lab placed 8 Mosquito Magnet Traps (MMT) in and around Coyote Hills Regional Park. Additional MMT were placed at sites with oak tree holes where service requests were made to control *Aedes sierrensis*. During the month of June, these traps captured a total of 86,997 adult mosquitoes (2,806 mosquitoes per trap night), a 2.0-fold decrease from the prior month. The majority of the mosquitoes that were collected in the MMT during June were *Culex erythrothorax* (48%), followed by *Ae. washioni* (42%) and *Ae. sierrensis* (5%). A total of 97,475 adult mosquitoes were captured and killed by lab traps during June.

Invasive Aedes Monitoring

- Invasive *Aedes* mosquitoes have not been detected in any mosquito trap placed in Alameda County during 2019.

FIGURES

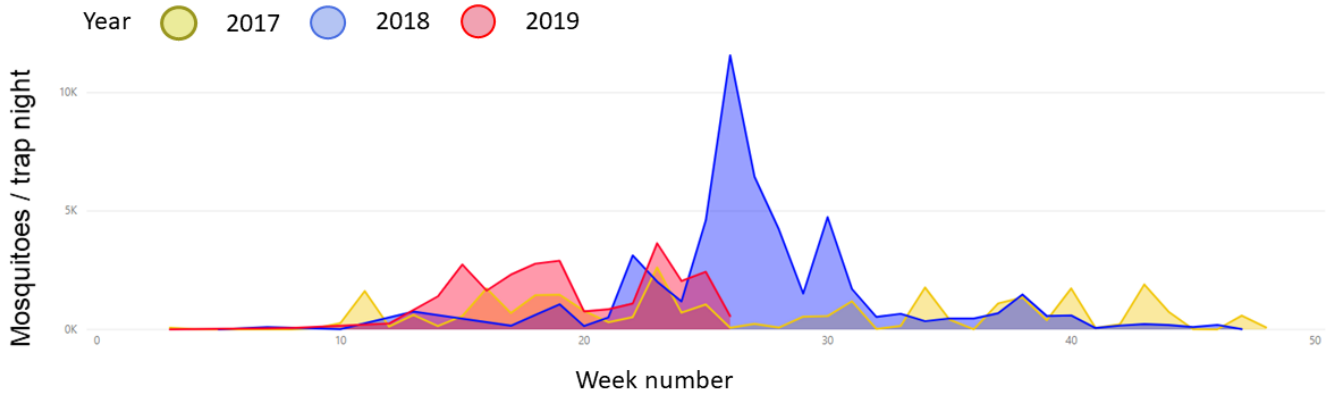


Figure 1. Mosquitoes captured in EVS CO₂ traps from 2017 – 2019. A total of 6,082 mosquitoes were captured in EVS CO₂ traps during June 2019 and identified to species.

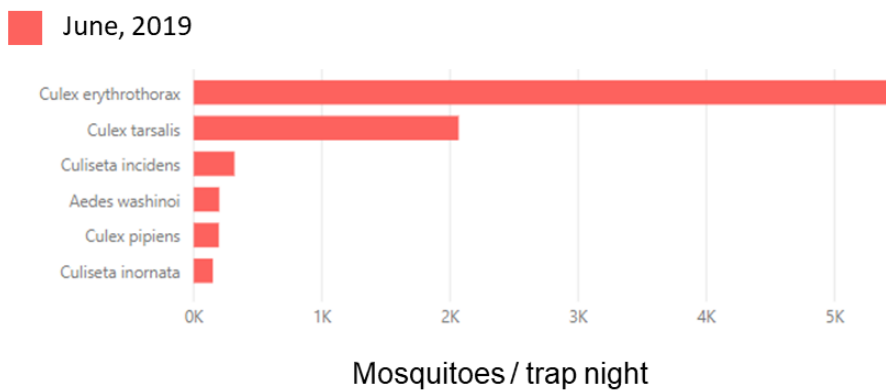


Figure 2. The six-most abundant species of mosquito captured during June 2019 using EVS CO₂ traps.

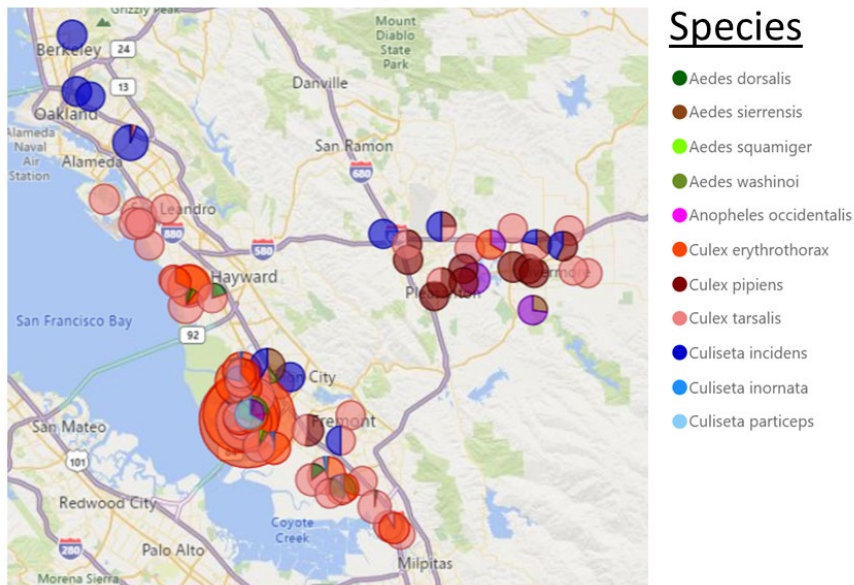


Figure 3. Mosquito abundance by trap site evaluated using EVS CO₂ traps. Pie charts over trap sites indicate the distribution of mosquito species collected at the trap site. The size of the pie charts indicates the relative number of mosquitoes at each site during June 2019. Sites with five or fewer mosquitoes collected in the traps are not shown on the map.

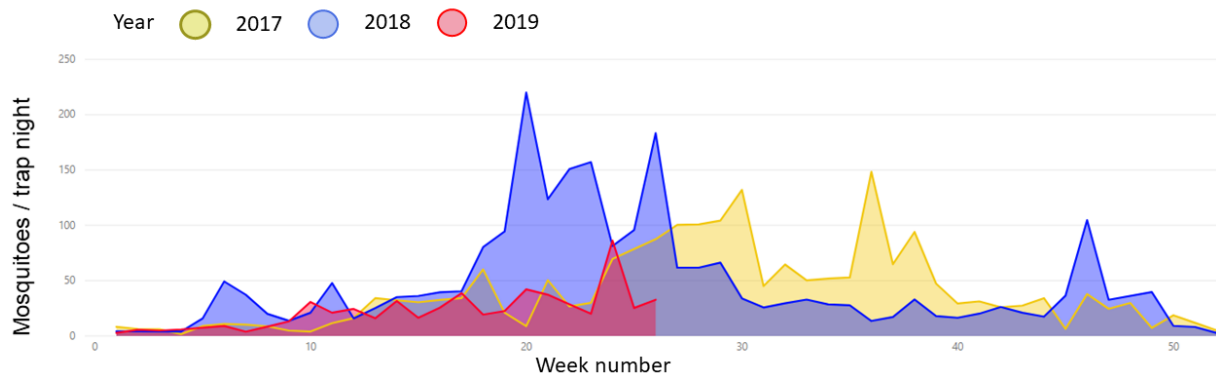


Figure 4. Mosquitoes captured in NJLT from 2017 – 2019. A total of 1,047 mosquitoes were captured in NJLT during June 2019 and identified to species.

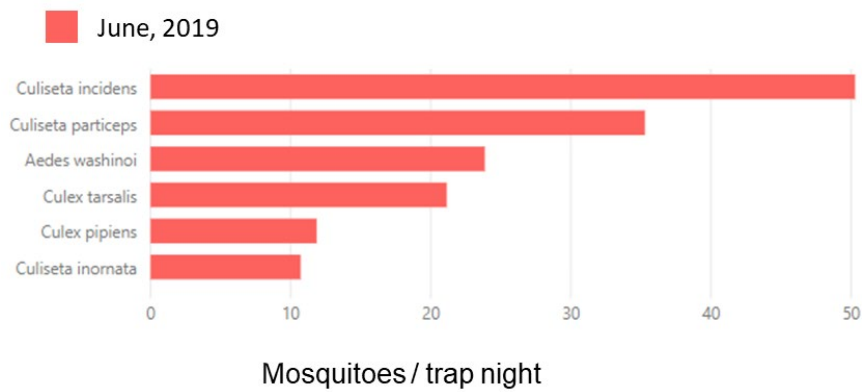


Figure 5. The six-most abundant species of mosquito captured during June 2019 in NJLT.

PUBLIC EDUCATION

A. Events

i. Upcoming

- **Downtown Hayward Street Party** – Thursday, July 18th (Hayward)
- **Downtown Hayward Street Party** – Thursday, August 15th (Hayward)
- **Festival of India** – Saturday, August 17th -Sunday, August 18th (Fremont)

ii. Past

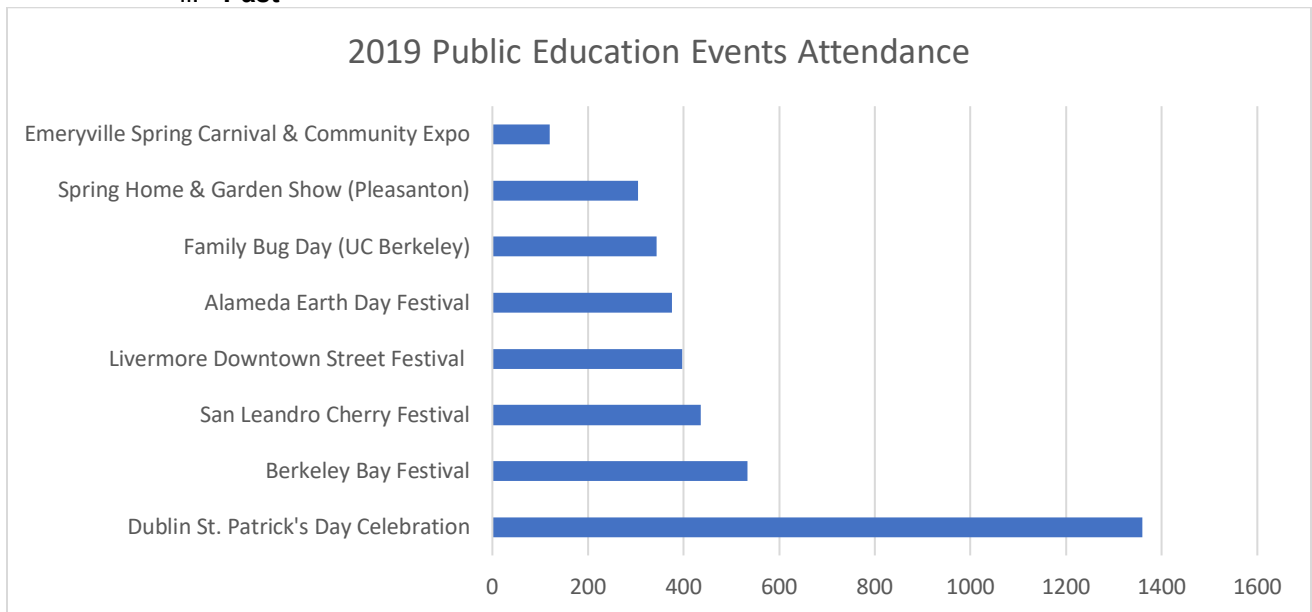


Figure 1. Number of visitors that attended each event

B. Advertisement Campaigns

i. Movie Theater Ads

- Started April 25th and run through July 7th
- Theaters locations: Century 25 Union Landing 25 (Union City), Century Pacific Commons 16 (Fremont), Hacienda Crossings 21 (Dublin), NewPark 12 (Newark)

ii. Internet Ads

- Started June 1st and run through September 30th



OnTarget – Display Creative

Ad Size: 160 x 600

Ad Size: 728 x 90



Ad Size: 300 x 250



C. Google Analytics

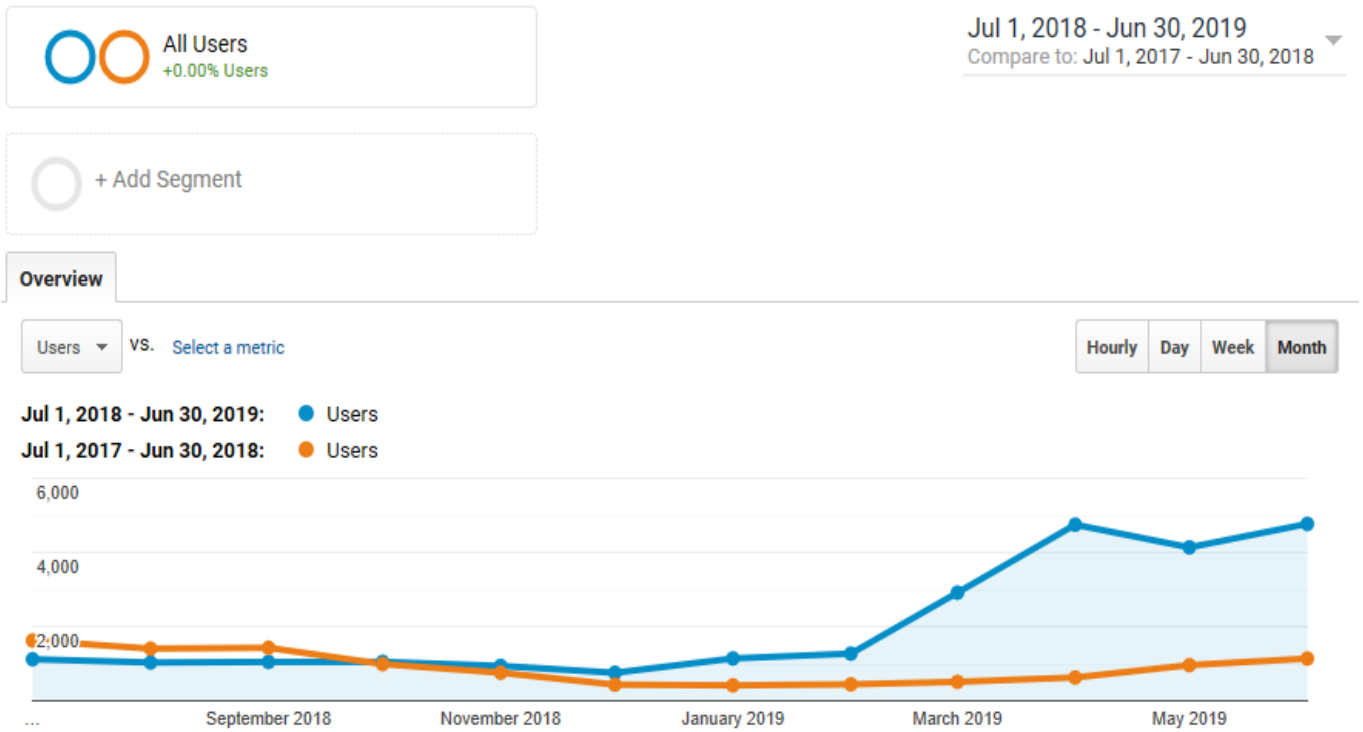


Figure 2. Comparison of website users over the past two years

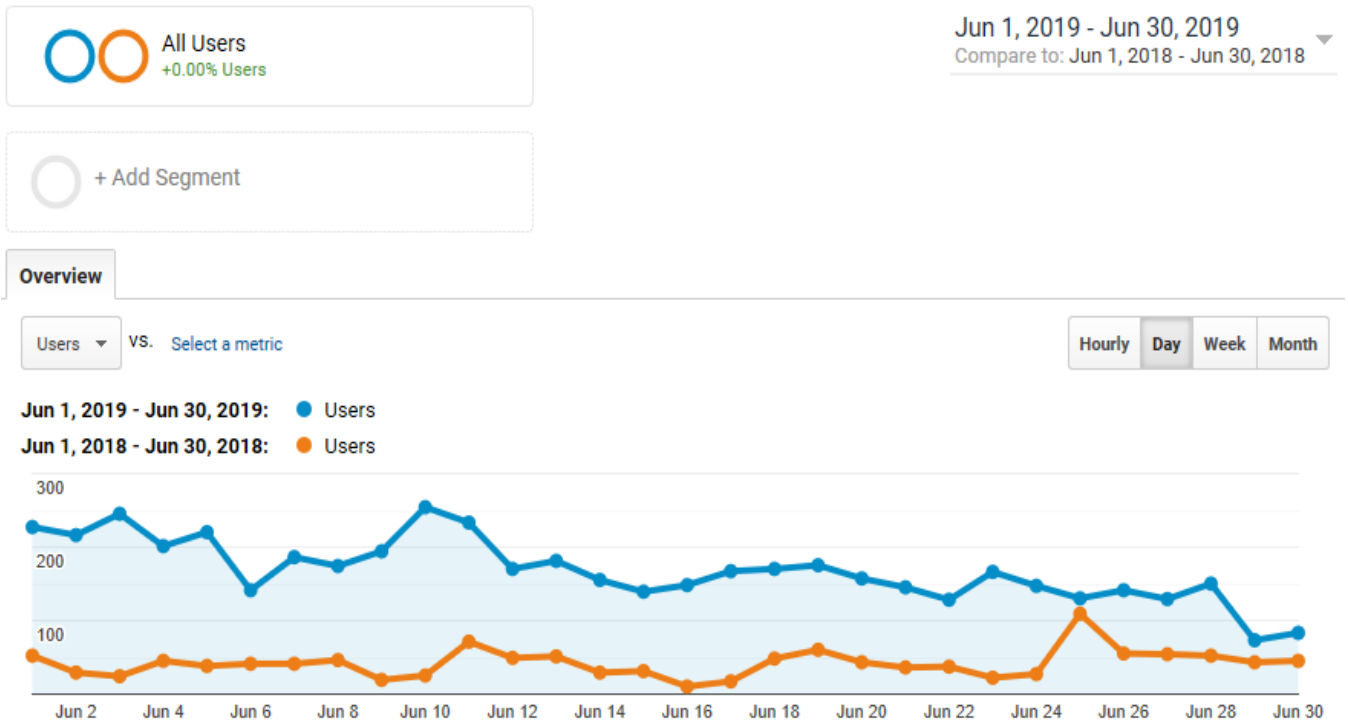
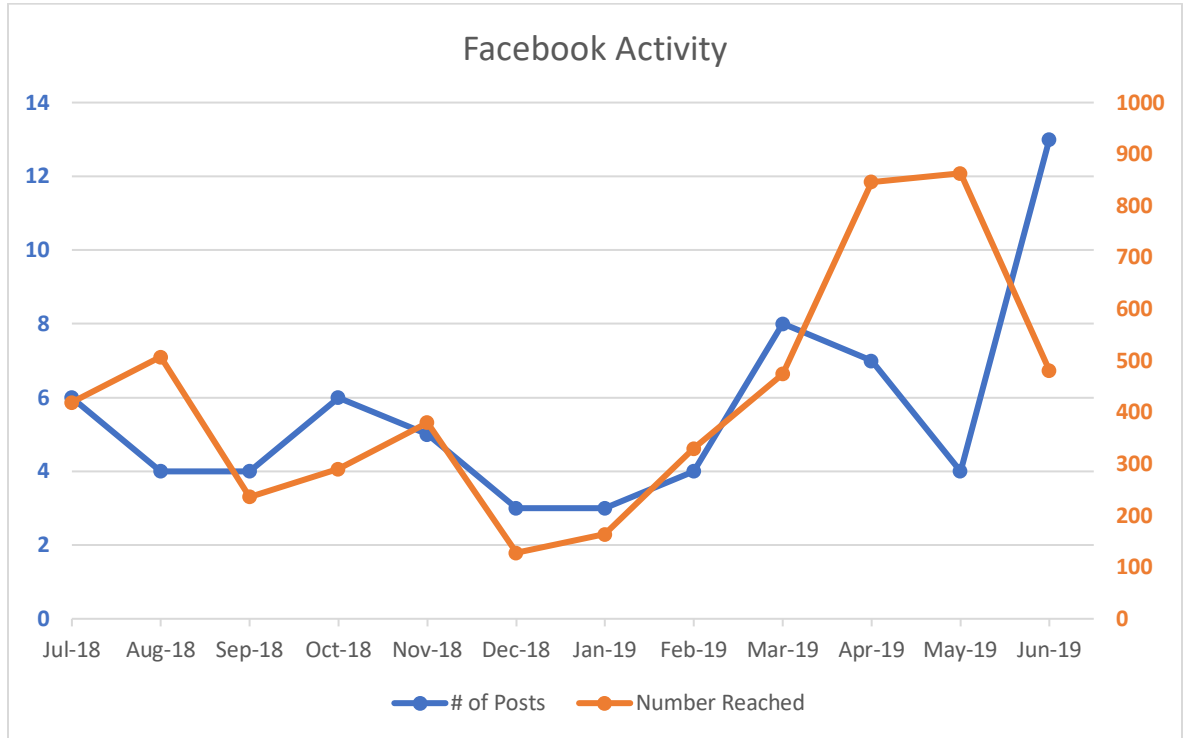


Figure 3. Comparison of website users over the past two years for the month of June.

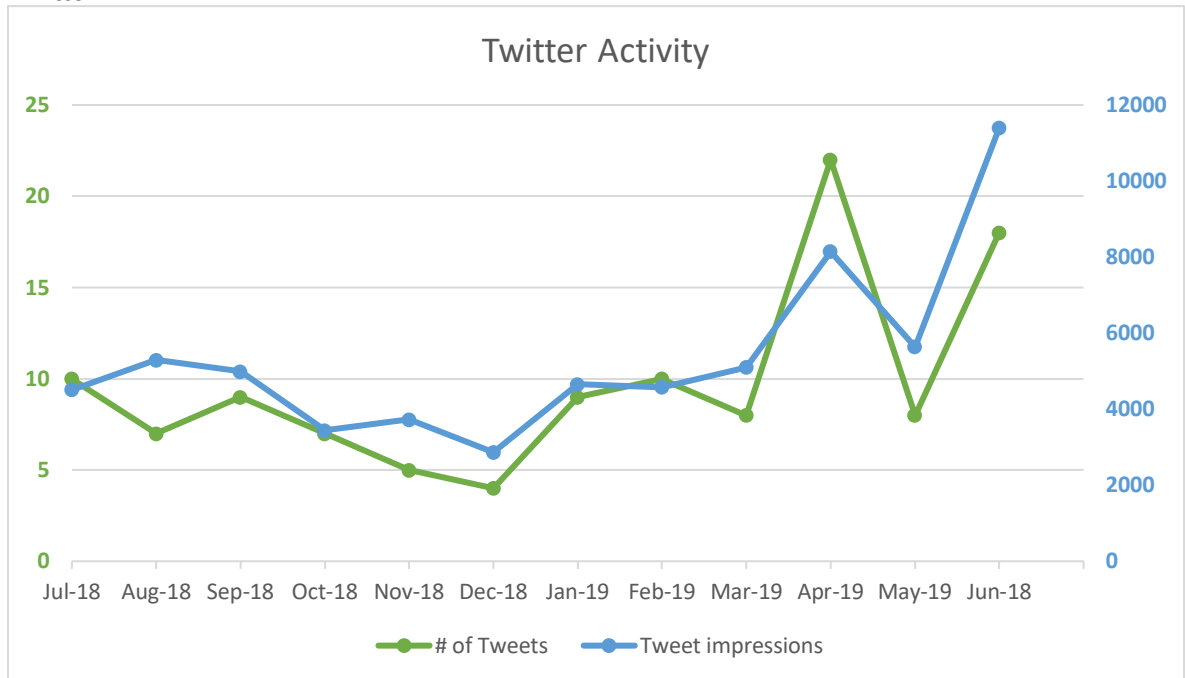
D. Facebook



Total Number of Followers: 194 (up from 191 in May)

June's Most Popular Post: Happy Summer Solstice! The weather will be heating up this weekend so if you plan on being outside make sure to wear insect repellent to prevent mosquito bites! 🌻🌿🐛 (gif)

E. Twitter

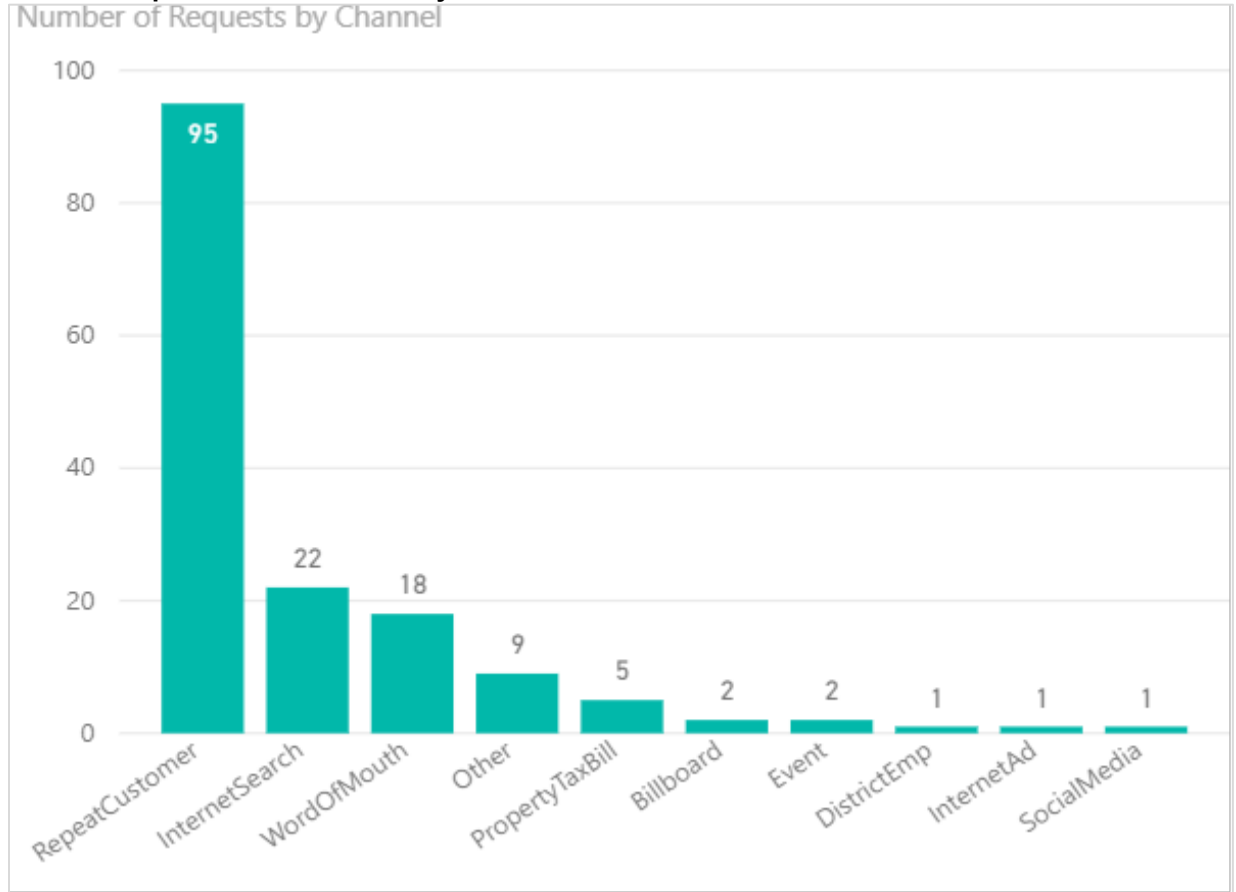


Number of Profile Visits in June: 50

Total Number of Followers (New This Month): 663 (up from 659 in May)

Top June Tweet: A world without #MosquitoControl can lead to devastating mosquito-borne disease impacts on human and animal health. We need to #FightTheBite #NationalMosquitoWeek 🌿 (gif)

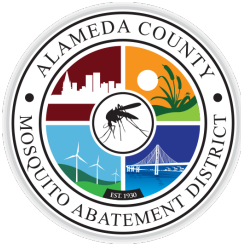
F. Service Request Referral Summary



Note: Movie Theater Ads, News Story and Phone Book are also options for this question, but were not included on this chart, because they were not selected in the month of June. Those who chose Other indicated they heard about us from the Livermore Street Festival, Vector Control, the City of Dublin, the caller works for Environmental Health Department for another County, and a friend who works for Marin-Sonoma County Vector Control. Three people did not indicate a reason.

4. **LEGISLATIVE UPDATE:**

	Bill Name and description	Status	ACMAD Position	ACMAD Action
<i>California</i>				
MVCAC	AB 320: This bill would create the California Mosquito Surveillance and Research Program, to be administered by the University of California, and would require the University to maintain an interactive internet website for management and dissemination of data on mosquito-borne virus and surveillance control and coordinate with the department, among other functions. The bill would make related findings and declarations.	Do pass, but first be re-referred to the Committee on [Education] with the recommendation: To Consent Calendar	Support	Letter of support



23187 Connecticut Street
Hayward, CA 94545

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

acmad@mosquitoes.org

Trustee and Staff Anniversary Recognitions:

Board of Trustees

President

Eric Hentschke

Newark

Vice-President

Wendi Poulson

Alameda

Secretary

P. Robert Beatty

Berkeley

Cathy Roache

County at Large

Betsy Cooley

Emeryville

Alan Brown

Dublin

George Young

Fremont

Elisa Marquez

Hayward

James N. Doggett

Livermore

Jan O. Washburn

Oakland

Robert Dickinson

Piedmont

Kathy Narum

Pleasanton

Victor Aguilar

San Leandro

Subru Bhat

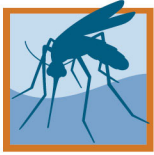
Union City

Ryan Clausnitzer

General Manager

ACMAD is pleased to recognize and thank the following employees on their anniversaries in July

Employee	Job Title	Years of Service	Anniversary Date
Joseph Huston	Field Operations Supervisor	28	July 1 st
Eric Haas Stapleton	Lab Director	4	July 1 st
Ryan Clausnitzer	General Manager	4	July 2 nd
Robert Ferdan	IT Director	4	July 16 th



**SAN MATEO COUNTY
MOSQUITO & VECTOR
CONTROL DISTRICT**

Protecting public health since 1916

1351 Rollins Road
Burlingame, CA 94010

phone (650) 344-8592
fax (650) 344-3843

www.smcmvcd.org

June 6, 2019

Dear President and Board of Trustees,

I want to take this time to introduce myself to you. I am Donna Rutherford a member of the Board of Trustees of the San Mateo County Mosquito and Vector Control District. I have been on the board for 11 years, I was appointed to the board by the East Palo Alto City Council. I also served as the President of the Board of Trustees of the San Mateo County Mosquito and Vector District in Burlingame CA in 2015. My introduction has a twofold purpose, one to give you some information on my background, second let you know that I am your Coastal Regional Representative on the Trustee Advisory Council of the Mosquito Vector Control Association of California (MVCAC).

This year I am honored to serve as the Chair of the Trustee Advisory Council. I want to thank you for serving on your Mosquito Board. I know you are concerned about preventing the spread of vectors and protecting the public's health and quality of life just as I am. At the Trustee Advisory Council, we have some goals we want to reach in 2019 and need your input. Our challenge is to increase Trustee participation at MVCAC Conferences and Improve Communication between the MVCAC Board of Directors and help define the Role of the Trustees with the Board of Directors. We need your help and can't do it alone.

I want to encourage you to become a participant in the Trustee Advisory Council. I have included a short Trustee Advisory Council Survey that I am encouraging you to fill out to help the Trustee Advisory Council understand what's important to you as a Trustee in your District.

Please take a moment to fill out the Survey and return to the address listed.

If you have any questions, please don't hesitate to call me at (650) 787-7801 or email me at drutherford@smcmvcd.org.

I look forward to hearing from you, thanks in advance.

Sincerely,

Donna Rutherford
Chair, MVCAC Trustee Advisory Council

MVCAC TRUSTEE COUNCIL

Trustee Survey – 2019

The Trustee Council of the Mosquito and Vector Control Association of California (MVCAC) requests your help to gauge Trustee awareness of the Trustee Council for our Association. Please complete the following survey. The survey is voluntary. Your personal information and individual responses will be kept confidential. Please feel free to comment in the remarks section or on separate pages. You may return the survey by email (tomandolga@comcast.net) or mail it to Tom Anderson, P.O. Box 1035 Hamilton City, California 95951-1035.

Please return the survey by August 24, 2019. Thank you for your time.

Your district: _____ Your name (optional): _____ Number of years on your Governing Board: _____

	Questions	Please check one box only		
1.	Before you received this survey, did you know there is a Trustee Council? (If no, please go to question 2. Below)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
1a.	Do you know why the Trustee Council exists?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
1b.	Do you know who your area representative is?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
2	Do you think the role the Trustee Council has in MVCAC affairs should be the same, more, or less?	<input type="checkbox"/> Same	<input type="checkbox"/> More	<input type="checkbox"/> Less
3.	Do you think more/better direct communication amongst Trustees state-wide would be useful to you?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
3a.	If so, would you provide your individual contact information to the Trustee Council?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
4.	Have you ever attended the MVCAC annual conference?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
4a.	If so, was it worthwhile?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
5.	Do you think each member District should be required to send at least one Trustee to the annual conference?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
6.	Are there any issues you would like the Trustee Council to address? If so, please list in remarks below.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

Remarks (if you need more space, please use the reverse side and/or attach additional sheets)