

AGENDA
1061st MEETING OF THE BOARD OF TRUSTEES
OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

OCTOBER 10TH, 2018

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

1. Call to order.
2. Roll call.
3. President Marquez 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 minutes of the 1060th meeting held September 12th, 2018 (**Board action required**)
5. Review of bids and awarding of contract for the repair of the main office and laboratory roof (**Board action required**)
6. Presentation and approval of ACMAD Strategic Plan 2018-2021 (**Board action required**)
7. Report on the District's pesticide safety program (Information only)
8. Presentation of 5-year award, a pewter belt buckle, to Trustee Kathy Narum (Information only)
9. Financial Reports as of September 30th, 2018 (Information only):
 - a. Check register
 - b. Income statement
 - c. Investments, reserves, and cash report
10. Presentation of the Monthly Staff Report for October 2018 (Information only)
11. Presentation of the Manager's Report for October 2018 (Information only)

- a. Trustee Anniversary
- b. CSDA Annual Conference Summary
- c. MVCAC Quarterly Meeting: November 1-2, Palm Springs, CA
- d. Alameda County to share costs with San Mateo and Contra Costa counties on a total compensation salary survey
- e. Update on interior remodel project
- f. OPEB Actuarial Report must await preliminary financial audit
- g. City Council Presentations will begin after the November elections

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

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

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

15. 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,0 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

1060th MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

SEPTEMBER 12th, 2018

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

1. Board President Marquez called the regularly scheduled board meeting to order at 5:01 PM.
2. Trustees Marquez, Poulson, Hentschke, Izquierdo, Brown, Cooley, Doggett, Dickinson and Narum were present. Trustees Beatty, Bhat and Young arrived at 5:05 PM. Trustee Hernandez arrived at 5:21 PM. Trustee Washburn was absent.
3. Board President Marquez invited members of the public to speak on any issue relevant to the District. Vector Biologist Miguel Cardenas was present to contribute to the strategic plan discussion. Mosquito Control Technician Jeremy Sette was present to record the minutes.
4. Approval of minutes of the 1059th meeting held August 8th, 2018. Trustee Brown asked why the General Manager (GM) Description was included as an agenda item (the GM answered that changes to the GM job description must be approved by the Board).
Motion: Trustee Hentschke moved to approve the minutes
Second: Trustee Brown
Vote: motion carries: unanimous.
5. Approval of proposed updates to the General Manager's Job Description.
Discussion:
The GM explained the proposed updates to the GM Job Description and fielded the following questions. Trustee Narum requested adding "or designee" to the added language on emergency management. Trustee Brown asked who would be designated in such a scenario (ACMAD Mechanical Specialist, Mark Wieland). Trustee Brown noted a typo in the sentence "...but not limited to social media". President Marquez requested the General Manager email

Board Members contact info of any potential designated emergency managers. Vice President Poulson asked about the “vision” requirement (will have the HR consultant provide an additional review). Trustee Bhat does not think the “vision” requirement is discriminatory. Trustee Doggett reminded the Board that the GM can designate all tasks, why is the emergency management task highlighted for designation? The GM answered that it may make sense to add language as the title of “Emergency Manager” is used. Trustee Dickinson asked who would perform the General Manager duties if the GM is unavailable (a chain of command is in place and was reviewed at a prior Board meeting). Trustee Hentschke agreed that the GM should not be beholden to another agency, so “or designee” is an important addition. Another typo was discovered and will be changed: “preformed” to “performed.”

Motion: Trustee Beatty moved to approve the proposed updates with additional clean-up language to the General Manager’s Job Description

Second: Trustee Doggett

Vote: motion carries: unanimous.

6. The Board reviewed the first draft of the 2018-2021 Strategic Plan.

Discussion:

The General Manager explained the history and reasoning behind developing the first official ACMAD Strategic Plan and fielded the following questions. Vector Biologist Miguel Cardenas thanked the Strategic Planning Committee for their helpful role and reminded the Board that the Committee and himself are still open to any suggestions for edits to the Strategic Plan. Trustee Beatty commented on the integral role of staff input and emphasized that the Strategic Planning Committee is open to suggestions to make the Strategic Plan even more succinct. The GM asked the Board to send any questions or comments regarding the Strategic Plan via email before next meeting. President Marquez commended the quality of the draft and how the 1st page is already helping brand the District. Trustee Narum clarified that “officials” should be “state officials (will be changed), and why city council presentations are not included? Trustee Beatty answered for the Committee that only new goals, rather than existing tasks, are to be included. Trustee Dickinson asked what the plan will be used for, specifically what will it drive internally (individual goals will be restructured to help attain District goals) and asked if the plan was for external or internal purposes (both). Trustee Brown asked what is “determine feasibility of executing a legal abatement proceeding via the Alameda County legal system” (the District’s options to abate a nuisance or inspect through a blanket warrant issued by the Superior Court). Trustee Doggett noted legal action has only been threatened twice during the time he has been on the Board. President Marquez asked the Board to please review the Strategic Plan draft in the next few weeks. The General Manager congratulated Miguel on graduating graduate school and a job well done regarding the Strategic Plan draft.

7. Financial Reports as of August 31st, 2018.

Discussion:

The General Manager presented the Financial Reports as of August 31st, 2018 and fielded the following questions. President Marquez asked for clarification on “Check 1082” (this is a payroll check, paid to the District and deposited through the Bank of America). Trustee Dickinson asked if the GM could change the wording on said check to include the word “payroll” (yes). Vice President Poulson asked what we purchased from “Kimball Midwest” (shop supplies/ hardware vendor), and Tom McMahon (staff member reimbursement for boots). Trustee Dickinson pointed out that the expenditures in the check registry to not match the income statement (ACMAD uses accrual accounting, but the GM will report back on the discrepancy by asking the accountant associate).

8. Presentation of the Monthly Staff Report for August 2018.

Discussion:

The General Manager presented the Monthly Staff Report for August 2018 and fielded the following questions. The General Manager commented on the high number of unmaintained swimming pools that the District inspects per year and asked Mosquito Control Technician Jeremy how many pools he inspects (several hundred). Trustee Brown asked where the unmaintained swimming pool hot spots were located (Fremont and the Tri-Valley). President Marquez asked Mosquito Control Technician Jeremy Sette if we stocked residential fountains with fish (Sette answered yes, however there were other variables involved when determining eligibility of fish feasibility in fountains including size of fountain, flow rate of water, etc.) President Marquez also commented on she liked the Public Relations "Help!" outreach billboard inclusion of a "Do Your Part" section reminding residents to actively help in reducing mosquito habitats.

9. Presentation of the Manager's Report for August 2018.

Discussion:

The General Manager presented the Manager's Report for August 2018 and fielded the following questions. Trustee Beatty asked if District staff were clearing ditches for improved water flow (yes, especially for tidal marsh habitats). Trustee Dickinson asked about how we determined overfunded status of our OPEB when the last actuary study is over three years old (it was overfunded then, and the interest earned is larger than the withdraw amounts since then). President Marquez suggested filming a video clip at the upcoming CSDA Conference of the District receiving multiple awards (the GM will work to complete this).

10. President Marquez asked for reports on conferences and seminars attended by Trustees.
None.

11. Board President Marquez asked for announcements from the Board. Trustee Izquierdo announced this meeting as his last as an ACMAD Trustee as he had taken a new position in Napa County. Trustee Izquierdo addressed his pleasure serving as Trustee and acknowledged the General Manager's positive contribution to the District in a short time. The General Manager in turn commended and thanked Trustee Izquierdo for his service.

12. Board President Marquez asked trustees for items to be added to the agenda for the next Board meeting. Trustee Hernandez brought up the Round-Up lawsuit and asked the GM if he was aware of this and how the District determines risk of pesticide exposure to its staff. The GM began to explain, but Trustees reminded him that this discussion was not on the agenda and should be placed on a future meeting's agenda.

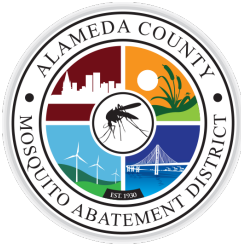
13. The meeting adjourned at 6:07 P.M.

Respectfully submitted,

Approved as written and/or corrected
at the 1061st meeting of the Board of
Trustees held October 10th, 2018

Elisa Marquez, President
BOARD OF TRUSTEES

Eric Hentschke, Secretary
BOARD OF TRUSTEES



23187 Connecticut Street
Hayward, CA 94545

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

acmad@mosquitoes.org

Board of Trustees

President

Elisa Marquez

Hayward

Vice-President

Wendi Poulson

Alameda

Secretary

Eric Hentschke

Newark

Humberto Izquierdo

County at Large

P. Robert Beatty

Berkeley

Betsy Cooley

Emeryville

Alan Brown

Dublin

George Young

Fremont

James N. Doggett

Livermore

Jan O. Washburn

Oakland

Robert Dickinson

Piedmont

Kathy Narum

Pleasanton

Ed Hernandez

San Leandro

Subru Bhat

Union City

Ryan Clausnitzer

General Manager

Roof Replacement

BID REVIEW

1. SCOPE OF WORK:

- ▶ Replace existing roof on main office and adjoining Lab (approx. 8,550 Square Feett) with 60 mil, TPO roof membrane as per normal re-roofing protocol.
- ▶ Replacement of 14 skylights, removal of one.
- ▶ All labor must fall in accordance to Prevailing Wage criteria. Registration with the Dept. of Industrial Relations is required. Upon completion of the project, a detailed list of labor and material will be provided to the district.
- ▶ Fees related to licenses, permits, and testing. Compliance with any demo/recycling programs for the City of Hayward.
- ▶ A detailed list of electrical, mechanical, and structural components required for removal or addition to complete project.

This process follows ACMAD District Policy § 202.3

Three companies submitted bids for this work:

1.	Pacific Summit Roofing, Teri Nichols	\$ 112,500.00
2.	CentiMark Roofing, Michael Brennan	\$ 99,700.00
3.	Gorman Roofing Services, Dan Gorman	\$ 109,500.00

2. Recommendation:

Award the project to CentiMark Roofing as they are the least expensive bid, a very detailed quote and work description, quality of work seen on shop roof, and it includes a 20-year warranty.

PSR



Pacific Summit Roofing
415-504-5632

485 Mare Island Way
Vallejo, California
94590
United States

Pacific Summit Roofing

Billed To

Mark Wieland
Alameda County Mosquito
Abatement
23187 Connecticut St
Hayward, California
94545
United States

Estimate Date

09/17/2018

Estimate Number

0001052

Reference

Alameda
Abatement

Description

Rate

Qty

Line Total

Single ply roofing installation, TPO
23187 Connecticut St

\$112,500.00

1

\$112,500.00

Subtotal

112,500.00

Tax

0.00

Estimate Total (USD)

\$112,500.00

Notes

All Materials to be furnished by Pacific summit roofing within the after mentioned scope of work:

Remove existing coping and store for re-installation

Install one layer of 1/2" DensDeck, over a prepared substrate

Install 60 mil reinforced, TPO roof membrane

Install at the base of HVAC t units 2 3/8" round seam plates to the field membrane. Adhere a second piece of

thermoplastic membrane to the curb with bonding adhesive and install prefabricated universal corners.

Install approximately 100 linear feet of 30" wide TPO protective mat at rooftop access points and serviceable side of mechanical units.

Parapet Wall Detail install 2 3/8" round seam plates to the field sheet at the base of the wall. A second piece of membrane will be adhered to the wall, welded to the field sheet and the existing coping re-installed.

Install new prefabricated 6" thermoplastic pipe boot secured at the top with a stainless steel screw type clamp fully adhered to the field sheet.

Stacks Greater Than 6" In Diameter

Install a 60 mil, non-reinforced thermoplastic flashing, where applicable.

Install ten (5) 33"X50.5" Velux - LuxGuard Double Dome Prismatic Skylights and Interior Safety Screens mechanically fastened to the existing curb.

Install ten (10) 50.5"X50.5" Velux - LuxGuard Double Dome Prismatic Skylights and Interior Safety Screens mechanically fastened to the existing curb.

Install thermoplastic flashings to the roof projections.

Install supports and protection pads under conduit lines, gas lines and free standing units where necessary.

Re-install existing metal coping.

Items not included in estimated cost:

Replacing or repairing any existing deck or structural members, dry rot repair, interior protection, new deck or structural members will be completed on a time and material basis. This work to be approved prior to execution by an Owner's representative.

Terms

45% due upon contract, 45% progress payment, 10% due upon completion

For questions Contact Teri Nichols, CEO Pacific Summit Roofing/ teri.nichols@pacsummit.net/ 415-504-5632

Roof Assessment and Proposed Solution



Alameda County Mosquito Abatement - Hayward, CA

Thank You for Considering CentiMark

www.CentiMark.com



Prepared On: 09/13/2018

Version: 267602.1.6

Prepared For:

Customer Information

Alameda County Mosquito Abatement
23187 Connecticut St
Hayward, CA 94545
Attn: Mark Wieland
Email: markw@mosquitoes.org

Location Information

Alameda County Mosquito Abatement
23187 Connecticut St
Hayward, CA 94545
Attn: Greg Wood
Mechanical Specialist
Email: mechanic@mosquitoes.org

Prepared By:

Project Manager

Michael Brennan
CentiMark Corporation
2380 W Winton Ave
Hayward, CA 94545
Michael.Brennan@centimark.com
Phone: 510-921-5500
Fax: 510-921-5518



Please visit us at www.centimark.com

[See what makes CentiMark different](#)

State license: 497859,
1000013253, 95079 AA



09/13/2018

Mark Wieland
Alameda County Mosquito Abatement
23187 Connecticut St
Hayward, CA 94545

Dear Mark Wieland,

I would like to take this opportunity to introduce you to **CentiMark**. As a full service contractor, we can help you address all of your roofing concerns.

We at **CentiMark** specialize in reroofing commercial, industrial and public buildings. With over 50 years experience, we are sensitive to the needs of manufacturing, retailing and the service markets. Many hotels, hospitals, chemical plants, paper mills, retail stores, and others are under the **CentiMark** roof assemblies. We understand the need to maintain production, safeguard stock, protect employees and guests and most important, address safety issues associated with reroof projects.

In addition to being the largest national roofing contractor, **CentiMark** can offer the financial stability it takes to stand behind its SINGLE SOURCE warranties. With over fifty local offices, we are ready to serve even your smallest needs. We have the capability, for multiple building owners, to provide each client with a planned program; this includes budgets, scope of work and recommendations for prioritizing over a multi-year plan. One of our financial strengths is being able to arrange payment plans to meet the needs of multiple building owners. As a **CentiMark** customer, you will receive a toll-free hotline number available seven (7) days a week, twenty-four (24) hours a day for your service needs.

CentiMark is a customer-oriented contractor. We offer many roofing systems and products to solve even the most difficult roofing problems. We are also available on a consultation basis as well as offering preventative maintenance programs to prolong the life of your existing roof. Additionally, **CentiMark's** flooring division is ready to provide protective coatings, floor resurfacing and other various repair materials to maintain the inside of your building.

With these advantages, we are pleased to offer Alameda County Mosquito Abatement a risk proof system designed to meet the specific requirements for your building.

Sincerely,

Michael Brennan

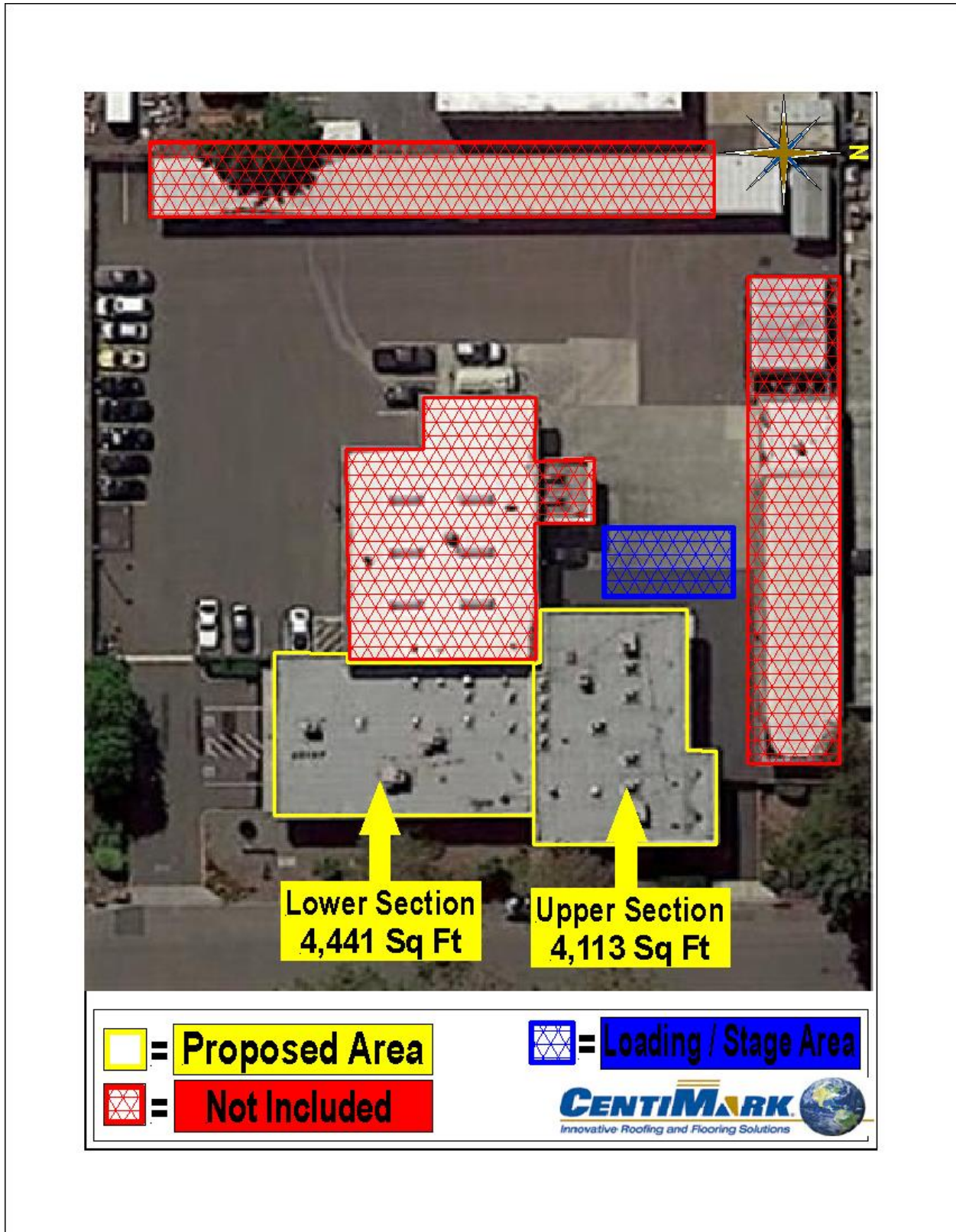
Michael Brennan

Senior Project Manager

◀◀◀ Drawing ▶▶▶

Area: Drawing

Caption: Drawing of Proposed Area



◀◀◀ Construction Specification ▶▶▶

Alameda County Mosquito Abatement
23187 Connecticut St
Hayward, CA 94545

Specifications For CentiMark 20 Year TPO Mechanically Fastened System

Sections included: Upper Section, Lower Section

Project Preparation:


Perform a pre-job meeting to determine jobsite logistics and safety requirements.

Furnish proposed construction schedule, if needed.

Safety Related

Furnish and install proper safety equipment in accordance with Centimark's written safety program. 

Furnish and install warning lines to identified areas associated with ground related roofing activities.

Store roofing materials in accordance with good roofing practices. Material placement will be to distribute weight loads throughout the entire roof area. 

Surface Preparation:

Remove existing coping and store for re-installation.

Interior protection, replacing any existing deck or structural members have not been included; if required, interior protection, new deck or structural members will be installed on a time and material basis. Areas of removal will be approved by an Owner's representative.


Insulation Attachment:


Furnish and install one layer of 1/2" DensDeck, over a prepared substrate utilizing FM Global (FM) approved 3" plates and fasteners.

System Application:

Furnish and install **CentiMark** 60 mil reinforced, TPO roof membrane.

Position the TPO membrane over the prepared substrate and allow the membrane sufficient time to "relax" prior to installation.

Install the new TPO membrane over the prepared surface by utilizing mechanical fasteners on 10 foot centers. 

The thermoplastic membrane seams will be overlapped a minimum of 5", then hot air welded together. Weld width shall be a minimum of 1.5" in width for automatic machine welding. Weld width shall be 2" in width for hand welding. Upon completion of welding, each seam shall be probed to ensure proper securement. 

Specifications for membrane attachment and wind uplift resistance require particular fastener placement within the existing structure. Best efforts will be made to prevent protrusion of fasteners through the underside of the structural plywood or metal deck. Due to variances in the building construction and materials in place, CentiMark cannot guarantee that no fasteners will be extending through the underside of the deck. CentiMark will not be responsible for visible fasteners, the resulting holes from removed fasteners, cracking/ breaking of the wood, or damaging knot holes and other characteristics of the wood or metal deck.

HVAC, Curbed Penetrations and Other Air Handling Unit Details


Furnish and install at the base of the unit 2 3/8" round seam plates to the field membrane. Adhere a second piece of thermoplastic membrane to the curb with bonding adhesive and install prefabricated universal corners for reinforcement.

Furnish and install approximately 100 linear feet of 30" wide TPO protective mat at rooftop access points and serviceable side of mechanical units.

Parapet Wall Detail

Furnish and install 2 3/8" round seam plates to the field sheet at the base of the wall. A second piece of membrane will be adhered to the wall, welded to the field sheet and the existing coping re-installed.

Pipes Less Than 6" In Diameter

Furnish and install new prefabricated thermoplastic pipe boot secured at the top with a stainless steel screw type clamp fully adhered to the field sheet. 



Stacks Greater Than 6" In Diameter

Furnish and install a 60 mil, non-reinforced thermoplastic flashing, where applicable.

Miscellaneous Projections

Furnish and install ten (5) 33"X50.5" Velux - LuxGuard Double Dome Prismatic Skylights and Interior Safety Screens mechanically fastened to the existing curb.

Furnish and install ten (10) 50.5"X50.5" Velux - LuxGuard Double Dome Prismatic Skylights and Interior Safety Screens mechanically fastened to the existing curb.

Furnish and install thermoplastic flashings to the roof projections. Upon completion of welding, each seam shall be probed to ensure proper securement.  

Furnish and install supports and protection pads under conduit lines, gas lines and free standing units where necessary.

Sheet Metal Accessories:

Re-install existing metal coping.

Standard Operating Procedures:

Employee Professionalism

All work shall be performed in a safe, professional manner in compliance with Centimark policy.

Permits

CentiMark shall supply the necessary permits for the project.

Nightly Tie-In's

Depending on new roof system being installed, temporary water cut-offs are to be constructed at the end of each working day to protect the newly installed roof system and building interior.

Clean Up

All work premises will be cleaned daily during the construction process and at the completion of the project.

Job Acceptance and Punch List

Conduct a post job walk through for final sign-off of our job completion form.

Warranty

Upon purchase of the roofing system, you become entitled to receive the benefits of single source responsibility through **CentiMark's** comprehensive written warranty. This warranty protects your roof against defects in materials or workmanship. If your roof leaks at any time during the warranty period, we will provide complete warranty service.

Quote Name	Section Name	Length
All Quotes.	All Sections.	20

CentiMark Corporation disclaims any and all responsibility for pre-existing conditions including, but not limited to: structural damage or deficiencies, clogged drains, mold growth, excessive standing water, removal of hazardous material or other hidden deficiencies such as; damaged or leaking skylights, HVAC units/conduits, electrical or gas lines. This proposal does not cover, and in no case shall CentiMark be liable for, the removal of, or damage to, HVAC units/conduits, gas lines, water lines, electric lines, or conduits, whether located above, below, or in the roof system, lightning protection systems, landscaping, communication cable, communication devices, or other devices, including recalibration of satellites. It is the building owner's financial obligation to provide corrective measures.

◀◀◀ Executive Proposal Summary ▶▶▶

Alameda County Mosquito Abatement
23187 Connecticut St
Hayward, CA 94545

Quote	Section	Sq Ft.	System	Warranty*	Price
Alameda County Mosquito Abatement - 20 Year TPO					\$99,700
	Upper Section	4,113	TPO Fastened	20 years	
	Lower Section	4,441	TPO Fastened	20 years	
* Roof system warranties protect your roof against defects in materials or workmanship for the specified period as outlined in the CentiMark Non-Prorated Limited Roof Warranty or the manufacturer's warranty.					

Michael Brennan

09/14/2018

For internal use only, ID # 267602
Version: 267602.1.6

CentiMark Project Manager Signature

Date

Standard terms: One-third (1/3) of the contract price due at the job start and the balance due net thirty (30) upon job completion, unless otherwise agreed to in the contract document. (Special terms are available upon request)

The quotes appearing in this Proposal have been calculated based on current prices for the component building materials. However, the market for building materials is considered to be volatile, and sudden price increases could occur through no fault of CentiMark. Since the quotes are material terms of this Proposal, CentiMark exclusively reserves the right to revoke, without written notice, the quotes at any time prior to a valid purchase order or fully executed contract.

This quote does not include any supplemental deck attachment as may be required by Factory Mutual Global (FM). Please note that should FM and/or you require such deck attachment, additional costs will be estimated and added as a separate item to the overall cost of this project.

Valid from 09/13/2018 to 11/20/2018



Gorman
Roofing Services, Inc

Alameda County Mosquitoe
Mark Wieland 510-783-7744
94545
markw@mosquitoes.org

Project – TPO Reroof
Job Location: 23187 Connecticut St.
Hayward, CA

Sections included: Upper Roof 4,200 s.f. and Lower Roof 4,500 s.f.

- 1) Prepare the existing roof for an overlay.
- 2) Install a layer of ¼” Dens Deck over the prepared substrate.
- 3) Install 60 mil TPO roof membrane, with associated accessories, in a mechanically attached fashion.
- 4) All walls will be encapsulated with the TPO membrane and the existing coping metal reinstalled.
- 5) Install walk- pad around rooftop units (quote includes 100 linear feet).
- 6) Replace five skylights measuring approximately 3’ x 4’, and ten skylights measuring approximately 4’ x 4’.
- 7) Provide all necessary permits for the project.
- 8) Provide 20-year manufacturer’s warranty, and 5-year coverage on workmanship.

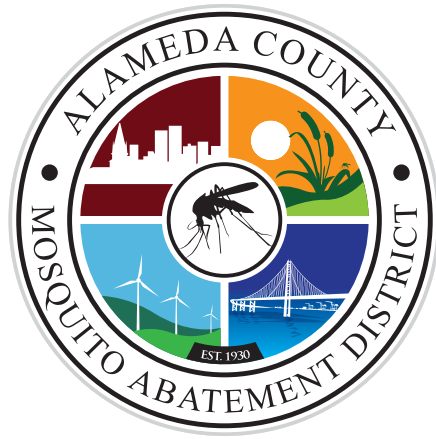
Price - \$109,500

If you have any questions regarding this proposal, or would like to schedule the roof project, please contact me at your convenience.

Dan Gorman

Daniel Gorman

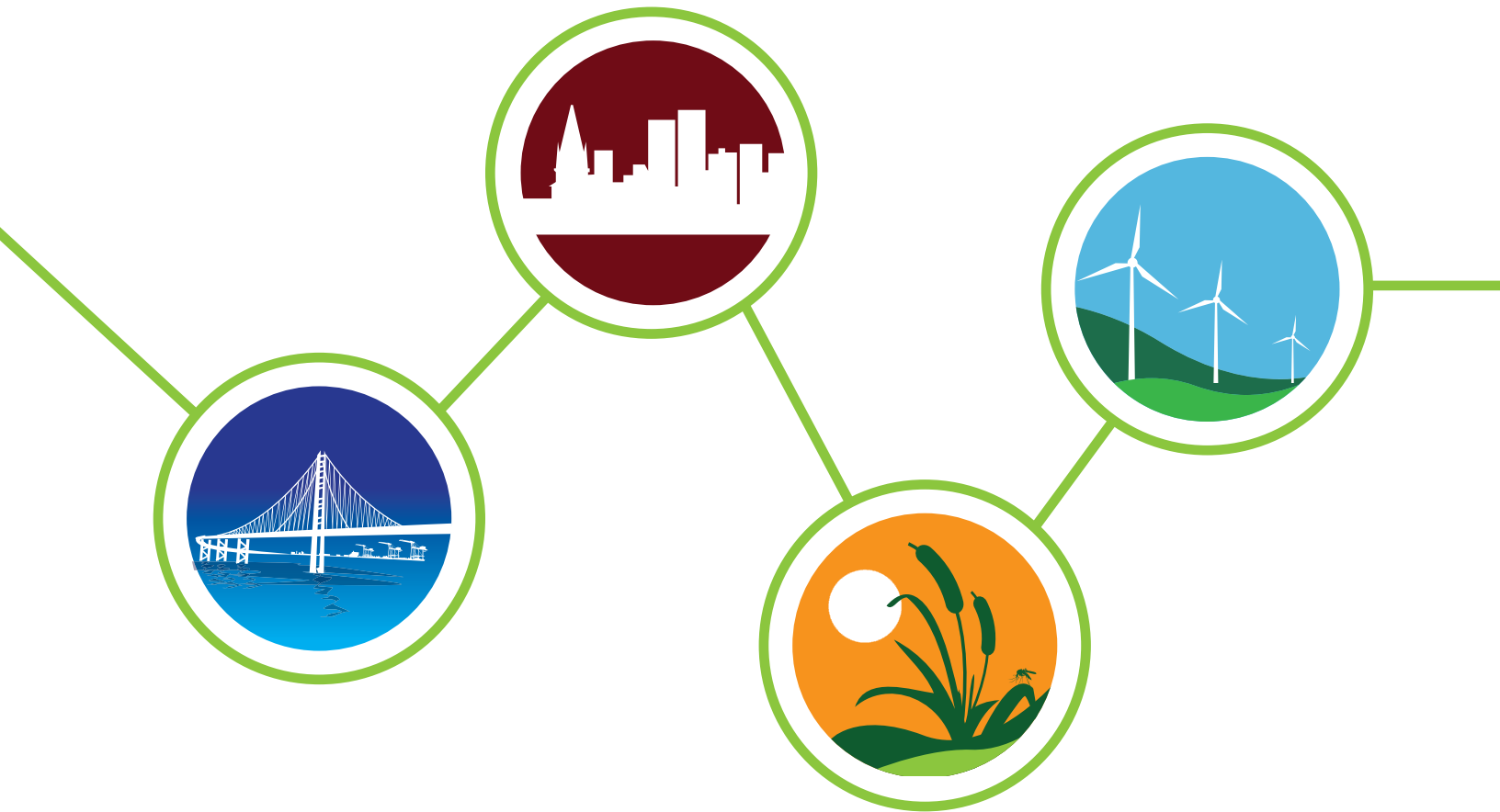
Gorman Roofing Services, Inc.
2229 E. University Drive
Phoenix, AZ 85034
dang@gormanroofingservices.com



ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

STRATEGIC PLAN

2018-2021

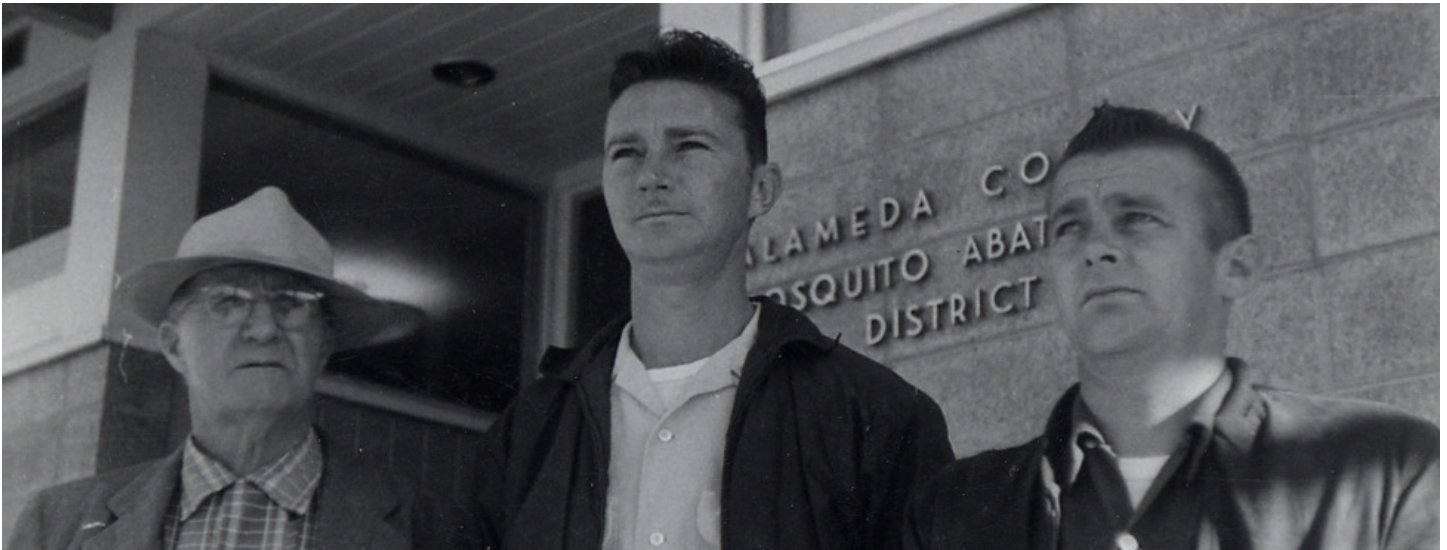


MANAGEMENT STATEMENT

Alameda County Mosquito Abatement District (ACMAD) has a proud history of effective and efficient mosquito control through its prudent financial planning, collaborative decision-making, and balanced integration with partner agencies. The current political, financial, and social climates, combined with the existing staff and Board personnel, offered an ideal opportunity to develop and implement a strategic plan—the first for the District.

The goals of this project are multifaceted. The first is to leverage existing assets towards known and unforeseen future challenges. Secondly, we aim to align individual performance goals into a comprehensive District strategy. Our third goal is to improve communication to realize these goals both internally and externally. Lastly, we will formalize performance and accountability measures by documenting improvements to the District's operating procedures.

With our 100-year anniversary of public service approaching in the next decade, it is important for ACMAD to reaffirm its strong relationship with the community. One method of reaffirming our relationship with the community is through thoughtful planning that leads to effective resource allocations of public funds. District staff, through the leadership of the Board of Trustees, will continue to provide high-quality, and valuable service to the people of Alameda County.



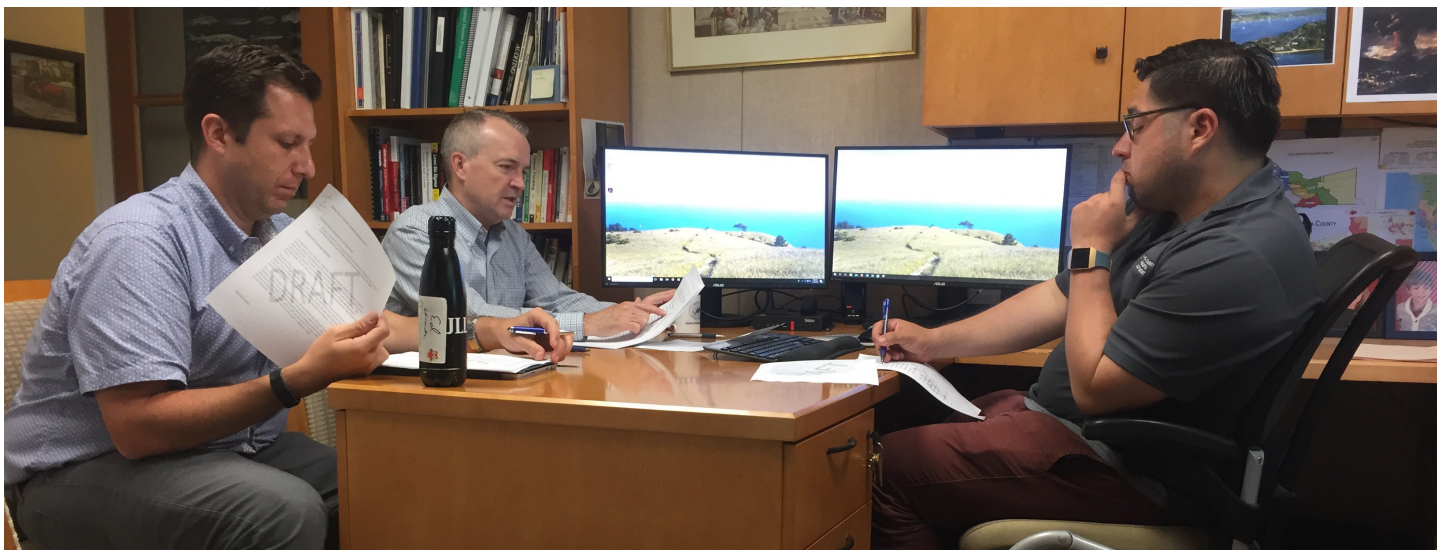
OUR HISTORY

During late 1928 through early 1929, the city councils of Alameda, Berkeley, Emeryville, Hayward, Oakland, Piedmont, and San Leandro passed a resolution endorsing the formation of Alameda County Mosquito Abatement District (ACMAD). Over 32,000 signatures in support of the resolution for establishing ACMAD were collected throughout Alameda County by January 28, 1930. ACMAD was officially formed when the Board of Supervisors passed ordinance B organizing ACMAD on March 11, 1930; three days later, the Secretary of State of California filed the certificate of incorporation.

Initially, ACMAD focused its efforts on ditching in marshes to promote drainage of habitats where salt marsh mosquitoes breed. With the reduction of salt marsh mosquito abundances, citizens started noticing fresh water mosquitoes around their properties and requested service for relief from those mosquitoes as well. To fulfill the demands for mosquito control throughout the county, personnel and equipment were needed to accommodate the increase in services. ACMAD funding from ad valorem property taxes was stable until Proposition 13 passed in 1978. After the passage of Proposition 13, the District's budget was reduced by half. To provide adequate service to Alameda County residents, in 1982 Measure K was approved by over two thirds of Alameda County voters, this allowed for a maximum assessment of \$1.75 per single home as a Special Tax. Around this time, the District consolidated the three depots in Oakland, Pleasanton, and Union City into a single office and shop at the present site in Hayward.

West Nile virus (WMV) was introduced via wild bird transmission into Alameda County during 2003, and control for the mosquitoes that transmit this virus increased ACMAD operation costs by \$280,000 a year. These costs covered additional seasonal staff, pesticides, equipment, and public outreach education programs. ACMAD's Long Range Benefit Committee reviewed methods for adding to the District's revenue stream to meet the increasing financial needs of the District. The Board of Trustees proposed levying a benefit assessment, and a survey was prepared and mailed to 14,500 property owners in Alameda County during the fall of 2007. The survey evaluated the public's support for a benefit assessment, and the results showed greater than 71% approved of the proposed benefit assessment. On May 14, 2008, the ACMAD Board of Trustees passed the resolution approving the benefit assessment.

The approved benefit assessment allows the District to provide enhanced services to the residents of Alameda County while preparing the District for future public health threats caused by mosquitoes. Notably, the District's benefit assessment level has not increased in over ten years. While mosquito control techniques, regulations that monitor our activities, and the public sector financial situation have changed in the past 88 years, the District's dedication and effectiveness has not.



OUR STRATEGY

OUR MISSION

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.

OUR VISION

To serve all residents of Alameda County in a transparent and equitable manner by providing knowledge-driven and environmentally-conscious mosquito control. We strive to provide an exemplary model of good government through fiscal transparency and accountability.



OUR CORE VALUES

ENVIRONMENTAL STEWARDSHIP

- Ecologically responsible
- Proactive in environmental legislation
- Responsive to environmental changes
- Emphasis on biorational treatments for mosquito control

KNOWLEDGEABLE

- Science-based decision making
- Data-driven
- Technology enabled
- Safety program adherent

PROFESSIONAL

- Honest
- Reliable
- Respectful
- Responsive
- Committed
- Inclusionary

ENVIRONMENTAL SCAN

An Environment Scan is a self-assessment process that allows organizations to identify their internal and external strengths, weaknesses, and foreseeable changes that may impact service delivery.

STRENGTHS

- Data sharing and integration of laboratory and operations
- Larval-based control program
- Financial stability and accountability
- Timely responses to public request for service
- Public accessibility to staff and District information
- Culture of independence that fosters effective collaboration
- Innovative methods to monitor mosquito abundance

WEAKNESSES

- Limited mosquito control products
- Limited ability to increase scale of operations in short amount of time
- Low diversity of revenue sources

FORESEEABLE CHANGES THAT MAY IMPACT SERVICE DELIVERY

- Climate change
- Insecticide resistance
- Changes in regulations
- Human population growth
- Introduction of invasive mosquito species
- Emerging mosquito borne infectious diseases
- Natural disasters

OUR GOALS FOR 2018-2019

Provide standardized financial reporting to the Board

Improve the credit card purchase process to include management review and application approval

Adjust staffing in the lab to enable the goals outlined in the strategic plan

Develop and implement maintenance and user safety protocols for drone equipment

Phase out old telephone hardware in favor of voice over internet protocol and hosted services

Setup Skype for Business for cross platform integration with desktop and cell phone

Obtain authorization to conduct operations using drone

Review zone workloads utilizing data from field work and service request data.

Determine feasibility of executing a legal abatement proceeding via the Alameda County legal system

Evaluate land use and water conservation strategies in Alameda County as they pertain to existing and potential mosquito breeding sites

Identify mosquito breeding sites that may be controlled using drone applications

Visit home offices of elected officials

OUR GOALS FOR 2019-2020

Run financial models on future revenue and expenditure predictions

Transfer operating funds to an interest earning account

Reevaluate benefit packages during next memorandum of understanding via a 3rd party

Create a staff community outreach full-time position

Implement an electronic data, inventory, and service program for assets

Complete the integration of new adulticide hardware and software to existing spray unit

Research and deploy physical offsite backup plan for District data

Create dashboards and live data analyses of current and future data

Use drone to evaluate water accumulation on land surfaces

Evaluate adult mosquito abundance in catch basins

Evaluate efficacy of supplemental chemical attractants with adult mosquito traps

Conduct review of the ACMAD invasive Aedes response plan

Analyze the field operation's supervisor position and duties and succession planning

Enhance District relations and collaboration with regulatory agencies, wetland restoration groups, and land management agencies

OUR GOALS FOR 2020-2021

Obtain Government Finance Officers Association award in financial reporting

Improve facilities energy efficiency, plumbing fixtures, heating, ventilation, and air conditioning

Use drone to estimate breeding intensity of mosquito larvae in water

Develop and evaluate solar-powered New Jersey Light Trap to improve trap safety and efficacy

Develop and implement models for assessing mosquito resistance to adulticide and larvicide

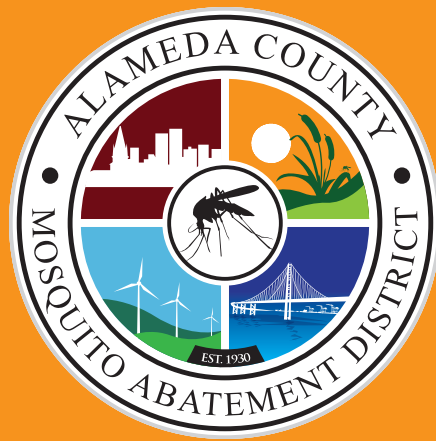
Evaluate correlations between larval and adult mosquito abundance data

Create a Crisis Communications Plan

Update District Control Program document

Develop an education program for Alameda County students

Increase outreach to local school districts to promote education program



510-783-7744

 www.mosquitoes.org

 Alameda County Mosquito Abatement District

 @AlamedaMosquito

www.mosquitoes.org

The District's Injury Illness Prevention Program (IIPP) is found in section 402 of the policy manual. The policy statement in section 402.1 states:

The District will institute and administer a comprehensive and continuous occupational Injury and Illness Prevention Plan (IIPP) for all employees. The health and safety of the individual employee, whether in the field, shop, or office, takes precedence over all other concerns. Management's goal is to prevent accidents, to reduce personal injury and occupational illness and to comply with all safety and health standards.

The administration of the IIPP is the responsibility of the General Manager. These duties are found in section 402.2 which include:

- (a) Ensuring that all supervisors are trained in workplace safety and are familiar with the safety and health hazards to which employees under their immediate direction may be exposed, as well as applicable laws, regulations, and the District's safety rules and policies;*
- (b) Ensuring that employees are trained in accordance with this program;*
- (c) Inspecting, recognizing, and evaluating workplace hazards, including repetitive stress, on a continuing basis;*
- (d) Developing methods for abating workplace hazards;*
- (e) Ensuring that workplace hazards are abated in a timely and effective manner;*
- (f) Maintaining current certification in CPR and first aid training; and*
- (g) Maintaining the District's Safety Binders, which include safety information on equipment and materials used at the District. A copy of the Safety Binder will be located in the Tech room for employee use.*

Alameda County Mosquito Abatement Chemical and Worker Safety Program

Section 402 also includes sections on: employee compliance, communication, inspections, accident and incident investigations, correction of unsafe or unhealthy conditions, training, record keeping, the hazard communication program, safety data sheets, hazardous non-routine tasks, outside contractors, IIPP questions, and the duties of the ACMAD safety committee. The ACMAD safety committee meets quarterly and consists of the General Manager, Mechanical Specialist, Field Operations Supervisor, and Lab Director. Besides this meeting, worker safety is ensured by the following programs:

- Biennial CPR and AED training
- Annual pesticide training (see **Table 1** for a list of all approved mosquito control products, also found on the District’s website: <https://www.mosquitoes.org/labels-and-sds>)
- Annual respirator fit-test
- Annual calibration of equipment
- Annual announced inspection by the Alameda County Agricultural Commissioner’s Office
- Annual field safety bag inspections that must include: SDS and labels, water, spill kit, emergency hospital list, first aid kit, personal protection equipment (PPE), traffic cones, and a fire extinguisher
- Monthly hazard assessment conducted at the Staff Meeting
- Monthly Emergency Equipment Inspections for Facility and Vehicles.
- Biweekly safety meeting coinciding with the Staff Meeting
- Weekly inspections of the facility and equipment by the Mechanical Specialist
- Scheduled safety training videos with discussion
- Surprise field inspections by the Alameda County Agricultural Commissioner’s Office

Table 1: List of mosquito control products included in the District’s Programmatic Environmental Impact Report (PEIR)

Product	Active ingredient	Signal Word	PPE
Agnique MMF	Poly(oxy-1,2-ethanediyl), alpha-(C16-20 branched and linear alkyl)-omega-hydroxy (2EO) 100%	Caution	Gloves, safety glasses
Altosid (30 Day Briquets, LLC, pellets, WSP, XR Briquets)	(s)Methoprene (30 Day Briquets - 8.62%, LLC – 20%, pellets – 4.25%, WSP – 4.25%, XR Briquets – 2.1%)	Danger – SDS; Caution – Label	Gloves, safety glasses, N-95 mask for prolonged exposure
BVA 2	Mineral Oil 97%	Danger – SDS; Caution – Label	Goggles, long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves

Alameda County Mosquito Abatement Chemical and Worker Safety Program

CocoBear	Mineral Oil 10%	Danger – SDS; Caution – Label	Safety glasses, goggles or face shield, long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves
FourStar Briquet (180 Day)	<i>Bacillus thuringiensis</i> ssp. <i>israelensis</i> 1%, <i>Bacillus sphaericus</i> 6%	Warning – SDS; Caution – Label	Gloves, safety glasses
Natular (G30, XRT)	Spinosad (a mixture of Spinosyn A and Spinosyn D) (G30 – 2.5%, XRT – 6.25%)	Warning – SDS; Caution – Label	Gloves, safety glasses, goggles or face shield
Pyrenone 25-5	Pyrethrins 5%, Piperonyl Butoxide 25%	Caution	Goggles, long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves
Scourge 4+12	Resmethrin 4%, Piperonyl butoxide 12.42%	Warning – SDS; Caution – Label	Safety glasses, long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves
VectoBac (12AS, G)	<i>Bacillus thuringiensis</i> ssp. <i>israelensis</i> (12AS - 11.61%, G – 2.8%)	Warning – SDS; Caution – Label	goggles, safety glasses with side shields or full-face shield, impervious protective clothing, including boots and gloves, dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C) or a NIOSH approved respirator with any N, P, R or HE filter
VectoLex (FG, WDG, WSP)	<i>Bacillus sphaericus</i> (FG – 7.5%, WDG – 51.2%, WSP – 7.5%)	Warning – SDS; Caution – Label	goggles, or safety glasses with side shields, impervious protective clothing, including boots and gloves, dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C) or a NIOSH approved respirator with any N, P, R or HE filter
VectoMax (FG)	<i>Bacillus thuringiensis</i> ssp. <i>israelensis</i> 4.5%, <i>Bacillus sphaericus</i> 2.7%	Warning – SDS; Caution – Label	goggles, safety glasses with side shields or full-face shield, impervious protective clothing, including boots and gloves, dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C) or a NIOSH approved respirator with any N, P, R or HE filter
Zenivex E4 RTU	Etofenprox 4%	Warning – SDS; Caution – Label	Gloves, safety glasses, NIOSH approved respiratory protection

Alameda County Mosquito Abatement Dist.
Check Register
 For the Period From Sep 1, 2018 to Sep 15, 2018

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
1141	9/12/18	Payroll	71,293.07
1142	9/14/18	Voya Institutional Trust Company	150.00
1143	9/14/18	CalPERS 457	3,220.00
1145	9/14/18	Delta Dental	4,411.85
1146	9/14/18	The Hartford	74.08
1147	9/14/18	VSP	674.60
1150	9/14/18	Airgas	927.95
1152	9/14/18	Automatic Fire Inc	163.16
1153	9/14/18	All-Ways Green Services	410.00
1154	9/14/18	BioQuip	75.50
1155	9/14/18	BARTKIEWICZ, KRONICK & SHANAHAN	70.00
1156	9/14/18	Beck's Shoes	553.77
1157	9/14/18	CalPERS	700.00
1158	9/14/18	CarQuest	3.45
1159	9/14/18	CSDA	1,676.61
1160	9/14/18	Industrial Park Landscape Maintenance	215.00
1161	9/14/18	Cintas	518.06
1162	9/14/18	California Department of Public Health	56.00
1163	9/14/18	Grainger	849.54
1164	9/14/18	MCES, LLC	301.04
1165	9/14/18	PFM Asset Management	1,852.52
1167	9/14/18	PG&E	53.04
1168	9/14/18	PC Professional	976.50
1169	9/14/18	Jeremy Sette	150.00
1170	9/14/18	Techniclean	116.35
1171	9/14/18	Waste Management of Alameda County	248.94
1172	9/14/18	U.S Bank Corporate Payment System	12,798.27
1173	9/14/18	Quill Corporation	75.73
ACH	9/12/18	CalPERS Retirement	11,920.68

Voided checks

1144V
 1148V
 1166V

Total Expenditures 09/15/18 **114,535.71**

Alameda County Mosquito Abatement Dist.
Check Register
 For the Period From Sep 16, 2018 to Sep 30, 2018

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
1174	9/28/18	Payroll	71,653.97
1175	9/28/18	CalPERS 457	3,220.00
1176	9/28/18	Voya Institutional Trust Company	150.00
1177	9/28/18	Airgas	849.47
1178	9/28/18	Adapco	4,829.00
1179	9/28/18	CCCMA Occupational Clinic	125.00
1180	9/28/18	Cintas	444.26
1181	9/28/18	Charles Katz Insurance Services	452.00
1182	9/28/18	CarQuest	166.31
1183	9/28/18	Dublin GMC	36,910.03
1184	9/28/18	Engravit	13.11
1185	9/28/18	Grainger	188.99
1186	9/28/18	GSO	9.13
1187	9/28/18	Hayward Water System	42.00
1188	9/28/18	Magic Sky	882.32
1189	9/28/18	Mar-Len Supply, Inc.	181.58
1191	9/28/18	PG&E	1,761.82
1192	9/25/18	Pitney Bowes	94.82
1193	9/25/18	Regional Government	63.24
1194	9/25/18	Sonitrol	757.00
1195	9/25/18	Treds	100.00
1196	9/25/18	Verizon	2,407.84
1197	9/25/18	Waste Management of Alameda County	248.94
1198	9/25/18	WEX Bank	4,714.43
ACH	9/25/18	CalPERS Health	33,707.40
ACH	9/25/18	CalPERS Retirement	11,860.26
Total Expenditures 09/30/18			175,832.92

**Alameda County Mosquito Abatement District
Income Statement
Consolidated
September 30, 2018. (3 of 12 mth, 25%)**

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	\$ -	\$ -	\$ 4,476,728.00	0%

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	\$ 157,757.38	\$ 478,789.11	\$1,933,182	25%
CalPERS Retirement	\$205,340	\$219,892	\$ 13,577.95	\$ 187,584.63	\$301,812	62%
Medicare	\$21,160	\$21,368	\$ 2,132.68	\$ 6,454.35	\$28,031	23%
Fringe Benefits	\$554,630	\$453,877	\$ 38,867.93	\$ 113,450.39	\$508,680	22%
Total Salaries, Retirement, & Benefits	\$2,442,364	\$2,372,606	\$212,336	\$786,278	\$2,771,705	28%
Clothing and personal supplies (purchased)	\$7,169	\$8,955	\$ 853.69	\$ 1,802.71	\$6,000	30%
Laundry service and supplies (rented)	\$7,162	\$8,840	\$ 962.32	\$ 2,743.84	\$9,500	29%
Utilities	\$22,214	\$27,084	\$ 2,354.74	\$ 5,977.87	\$36,500	16%
Communications-IT	\$32,756	\$54,128	\$ 6,644.62	\$ 25,888.69	\$122,200	21%
Maintenance: structures & improvements	\$6,739	\$19,503	\$ 424.29	\$ 1,091.82	\$25,000	4%
Maintenance of equipment	\$24,175	\$27,051	\$ 1,126.81	\$ 2,829.48	\$35,000	8%
Transportation, travel, training, & board	\$75,326	\$124,827	\$ 5,612.73	\$ 17,290.06	\$134,210	13%
Professional services	\$159,499	\$82,082	\$ 4,487.37	\$ 34,358.93	\$190,620	18%
Memberships, dues, & subscriptions	\$14,540	\$20,191	\$ 2,100.00	\$ 13,710.60	\$21,402	64%
Insurance - (VCJPA, UAS)	\$106,268	\$113,867	\$ 452.00	\$ 124,486.00	\$127,851	97%
Community education	\$12,450	\$40,222	\$ 111.27	\$ 9,601.66	\$33,000	29%
Operations	\$187,490	\$176,758	\$ 6,106.54	\$ 45,055.30	\$234,000	19%
Household expenses	\$13,790	\$17,373	\$ 1,372.88	\$ 3,819.15	\$19,350	20%
Office expenses	\$14,195	\$18,590	\$ 224.00	\$ 491.53	\$15,100	3%
Laboratory supplies	\$76,130	\$80,008	\$ 7,627.20	\$ 14,429.82	\$118,148	12%
Small tools and instruments	\$1,155	\$2,513	\$ 668.76	\$ 913.07	\$2,500	37%
Total Staff Budget	\$ 780,944.00	\$833,192	\$ 41,129.22	\$ 304,490.53	\$1,130,381	27%
Total Operating Expenditures	\$ 3,032,263.00	\$3,479,710	\$ 253,465.16	\$ 1,090,769.01	\$3,902,086	28%

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 Capital purchase and Petty cash expenses.

**Alameda County Mosquito Abatement District
Investment, Reserves, and Cash Balance Report
September 30, 2018. (3 of 12 mth, 25%)**

Account #	Investment Accounts	Beginning Balance	Deposits	Withdrawals	Interest Activity	New Balance
800005	LAIF	\$ 1,239,081.74	\$ -	\$ (227,000.00)	\$ -	\$ 1,012,081.74
800006	OPEB Fund	\$ 4,415,206.64	\$ -	\$ (184,010.06)	-	\$ 4,231,196.58
101106	VCJPA Member Contingency	\$ 338,010.00	\$ -	\$ -	\$ -	\$ 338,010.00
101106.1	VCJPA Property Contingency	\$ 50,263.00	\$ -	\$ -	\$ -	\$ 50,263.00
800007.1	CAMP: Repair and Replace ¹	\$ 685,129.70	\$ -	\$ (36,910.03)	\$ 1,197.07	\$ 649,416.74
800007.2	CAMP: Public Health Emergency	\$ 506,315.31	\$ -	\$ -	\$ 891.27	\$ 507,206.58
800007.3	CAMP: Operating Reserve	\$ 1,870,781.98	\$ -	\$ -	\$ 3,293.13	\$ 1,874,075.11
800007.4	CAMP: Capital Reserve Fund	\$ 250,652.44	\$ -	\$ -	\$ 441.22	\$ 251,093.66
800008	PARS: Pension Stabilization	\$ 499,016.94	\$ -	\$ -	\$ -	\$ 499,016.94
Cash Accounts		Beginning Balance			Deposits/ Income	New Balance
101110	Bank of America (Payroll Account)	\$ 127,300.82				\$ 124,571.29
101111	Bank of The West (Transfer Account)	\$ 128,024.82				\$ 108,418.56
100001	County Account ²	\$ 346,239.92			\$ 98,129.87	\$ 444,369.79

1 - \$36,910.03 transferred to Bank of the West for lab vehicle

2- Account balance increased in September due to County interfund transfers



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MONTHLY STAFF REPORT – September 2018

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Hayward

Vice-President

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Alameda

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Kathy Narum

Pleasanton

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San Leandro

Subru Bhat

Union City

Ryan Clausnitzer

General Manager

1. OPERATIONS REPORT

For the first time in six years, shovels hit soil as field operations staff (and at times other district personnel), began work on maintaining ditches in the marshes of Alameda county. These ditches perform an important function in ACMAD's IVM (integrated vector management) program. Movement in and out of tidal and impounded water, especially during high tide events, can have a significant impact on the breeding of *Aedes dorsalis*. This species lays eggs in areas that receive impounded water as the result of high tides. The ditches increase water circulation and reduce impounding of tidal water thus reducing mosquito breeding. Some of the sources also impound rain water which produce *Aedes squamiger* and *Culiseta inornata*. Physical control of mosquito breeding sources has been an important part of ACMAD's program since the district's creation in 1930. A combination of environmental laws, restrictions, state and federal regulations, and multiple regulatory agencies have made the process of acquiring the necessary permits required to accomplish this work much more complex.

Operations staff are currently dedicating at least two days a week to maintaining existing ditches in ACMAD's three main marsh zones. As this work hasn't been done for several years, this is arduous work as silt, debris, and vegetation have built up in these ditches. Progress and updates will be noted in upcoming board reports with ditch maintenance continuing until the end of January 2019.

Operations staff continue to spend much of their focus on *Culex* species. West Nile virus (WNV) continues to be active in the county with four positive birds and four positive mosquito pools this past month. Inspecting and treating larval sources for our three main *Culex sp.* remains a priority. This will continue until the first significant rainfall events of the season. WNV has been very active in numerous counties state-wide in 2018 and our efforts are directed at controlling larvae of vector species, which will then limit the adult mosquitoes.

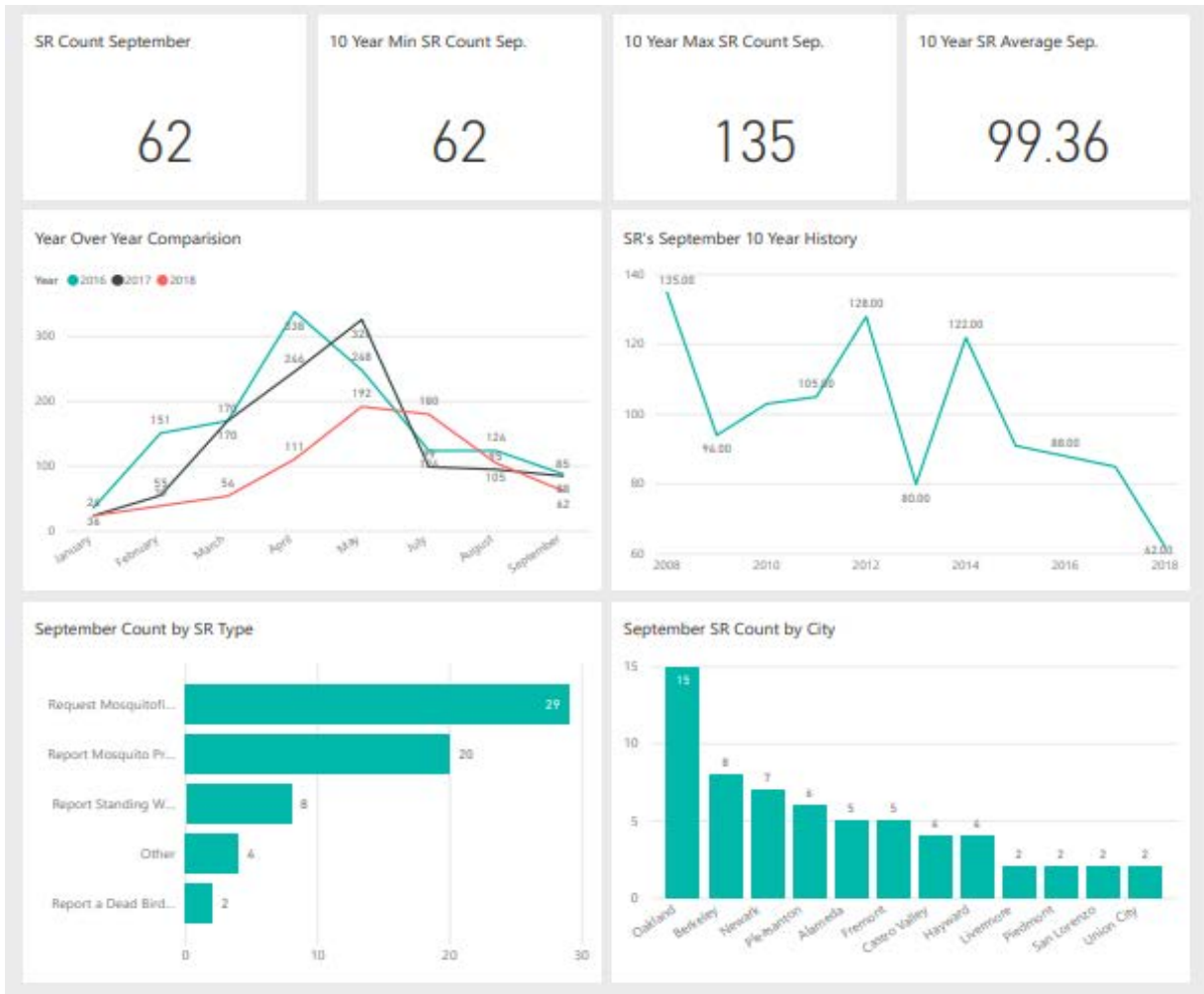
Operations staff, while continuing to work on *Culex sp.*, are also gearing up to make the transition into the winter season as weather dictates. This transition will include equipment preparation, calibration, and a shift in the types and frequencies of mosquito breeding source inspections.

Service request numbers during the month of September were well below the ten-year average for the month. Close to half of the requests for service were requests for mosquito fish.

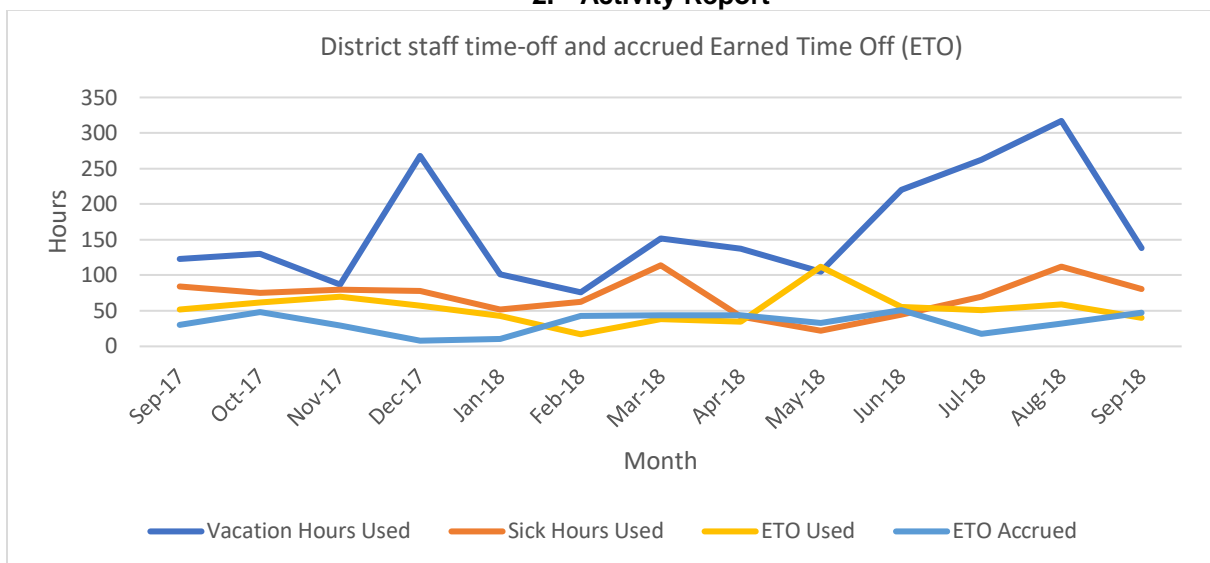
Joseph Huston
Field Operations Supervisor

A. District Data

1. Service Requests

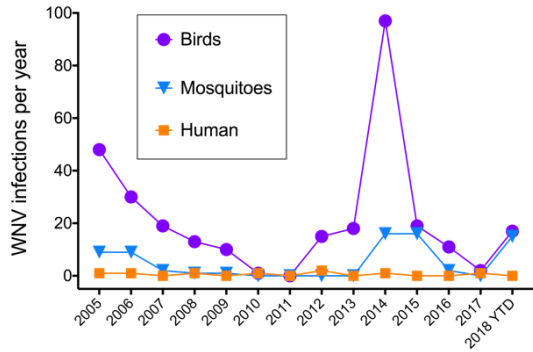


2. Activity Report

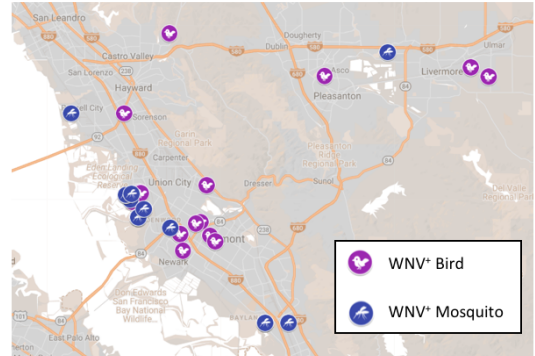


3. WNV Activity

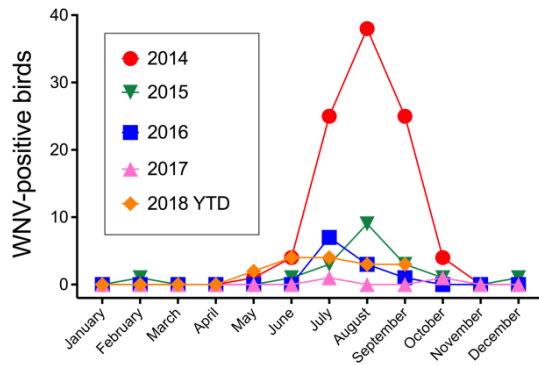
WNV infections detected in Alameda County
2005 – 2018 YTD



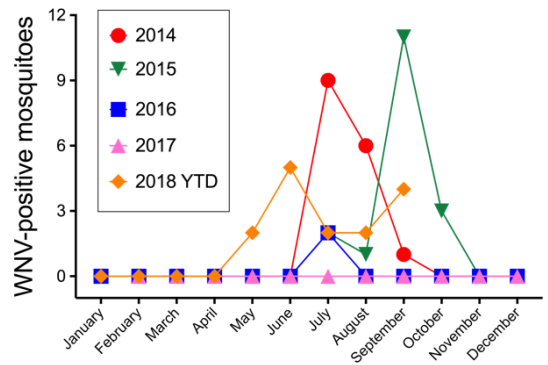
Locations of WNV-infected mosquitoes and birds
collected in Alameda County during 2018



WNV-infected birds collected in
Alameda County



WNV-infected mosquitoes collected in
Alameda County



2. LAB

Summary

- West Nile virus (WNV) was detected in 2 American Crows, 1 Common Raven, and 4 groups of mosquitoes during September 2018.
- Mosquito abundance was moderately similar in September relative to the prior month.

Arbovirus Monitoring

- During the month of September 2018, West Nile virus (WNV) was detected in 2 American Crows, 1 Common Raven, and 4 collections of mosquitoes (see District Data). To date, a total of 14 birds and 11 collections of mosquitoes have been found to contain WNV during 2018.
- None of the mosquitoes or birds that were collected during 2018 were found to contain Saint Louis encephalitis virus (SLEV) or Western equine encephalitis virus (WEEV).

Native Mosquito Abundance

- For the month of September, there was no recorded rainfall and the average maximum temperature was 72 °F, (Hayward, CA). The prior two months had average maximum temperatures of 72 °F and 74 °F.
- Over the course of the month, 379 EVS CO₂ traps were placed; 2,791 mosquitoes were collected and identified to species (Figure 1). There was an average of 7.4 mosquitoes per trap night, which was similar to the prior month. *Culex erythrothorax* was the most highly abundant species collected in EVS CO₂ traps, followed by *Culex pipiens* and *Culex tarsalis* (Figure 2). Notably, the three most abundant species are all vectors of WNV. The geospatial distribution of mosquito species collected in EVS CO₂ traps at each trap site is displayed in Figure 3.
- Mosquito abundance, as measured using NJLT, was similar to the prior month (Figure 4; 1.8-fold lower relative to September; total of 555 mosquitoes over 1008 trap nights). *Culiseta incidens* was the most prevalent species collected in NJLT during September 2018, followed by *Culex tarsalis*, and *Culiseta particeps* (Figure 5).

Invasive Aedes Monitoring

- Invasive *Aedes* mosquitoes have not been detected in any mosquito trap placed in Alameda County during 2018.

FIGURES

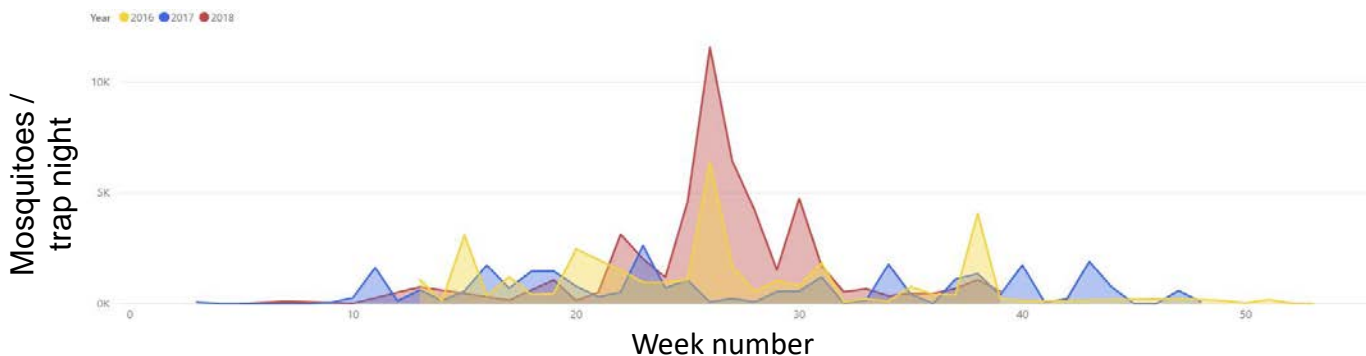


Figure 1. Mosquitoes captured in EVS CO₂ traps from 2016 – 2018. A total of 2,791 mosquitoes were captured in EVS CO₂ traps during September 2018 and identified to species.

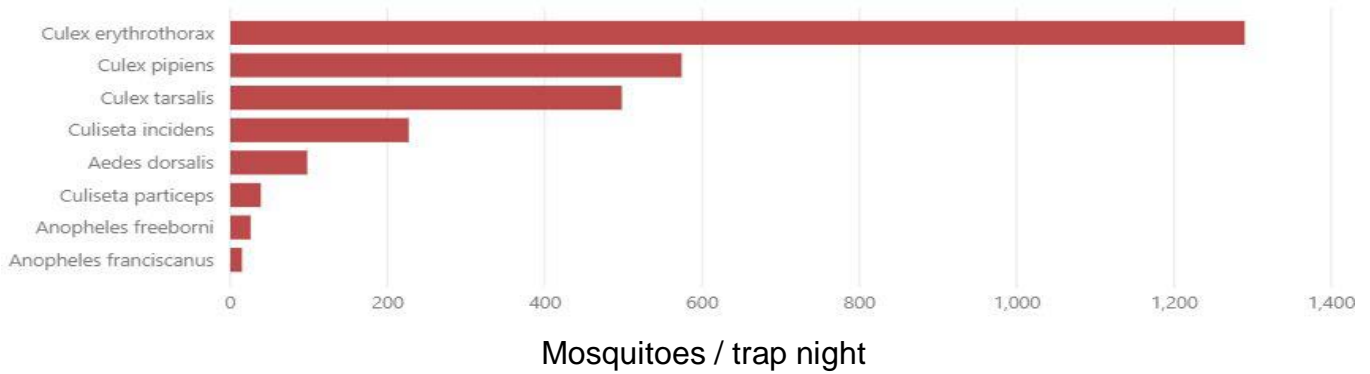


Figure 2. The eight-most abundant species of mosquito captured in EVS CO₂ traps during September 2018.

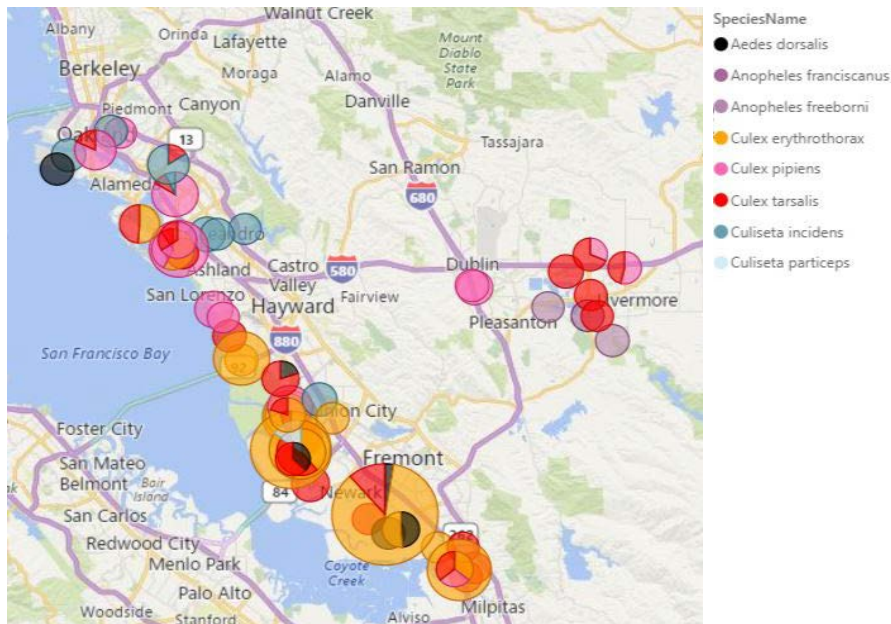


Figure 3. Mosquito abundance by trap site evaluated using EVS CO₂ traps. Pie charts over trap sites indicate the distribution of mosquito species collected at the trap site. The size of the pie charts indicates the relative number of mosquitoes at each site during September 2018. Sites with five or fewer mosquitoes collected in the traps are not shown on the map. The largest orange pie chart over Fremont indicates a total 301 female *Culex erythrothorax* that were collected near Stevenson Ponds in Fremont.

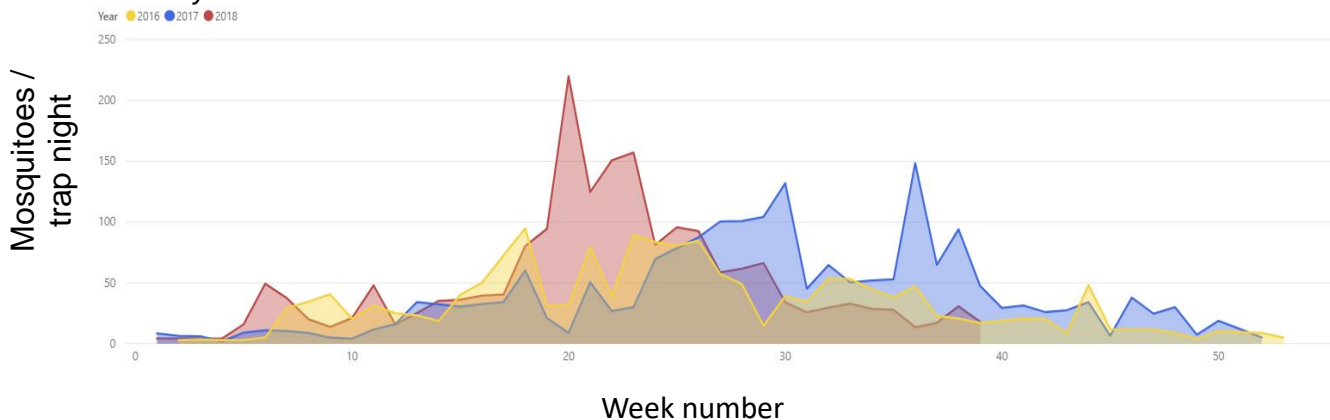


Figure 4. Mosquitoes captured in NJLT from 2016 – 2018. A total of 555 mosquitoes were captured in NJLT during September 2018 and identified to species.

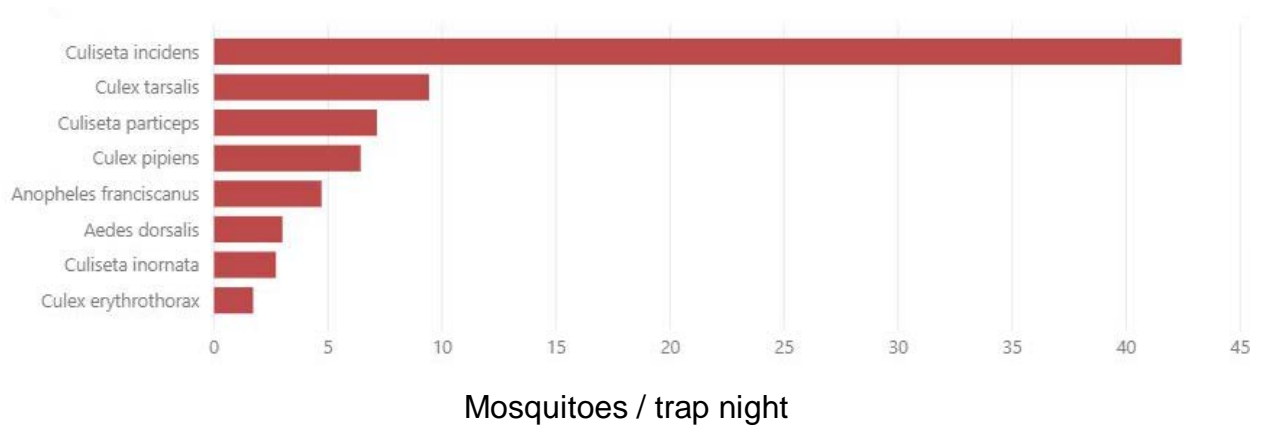


Figure 5. The eight-most abundant species of mosquito captured in NJLT during September 2018.

3. PUBLIC EDUCATION

A. Events

i. Upcoming

- **Alameda County Watershed Confluence** – Wednesday, October 17th (Oakland)
- **Ascend Fall Festival** – Wednesday, October 31st (Oakland)
- **Career Day Presentation** – Friday, November 9th (Castro Valley)
- **Career Day Presentation** – Friday, January 11th (Oakland)

ii. Past

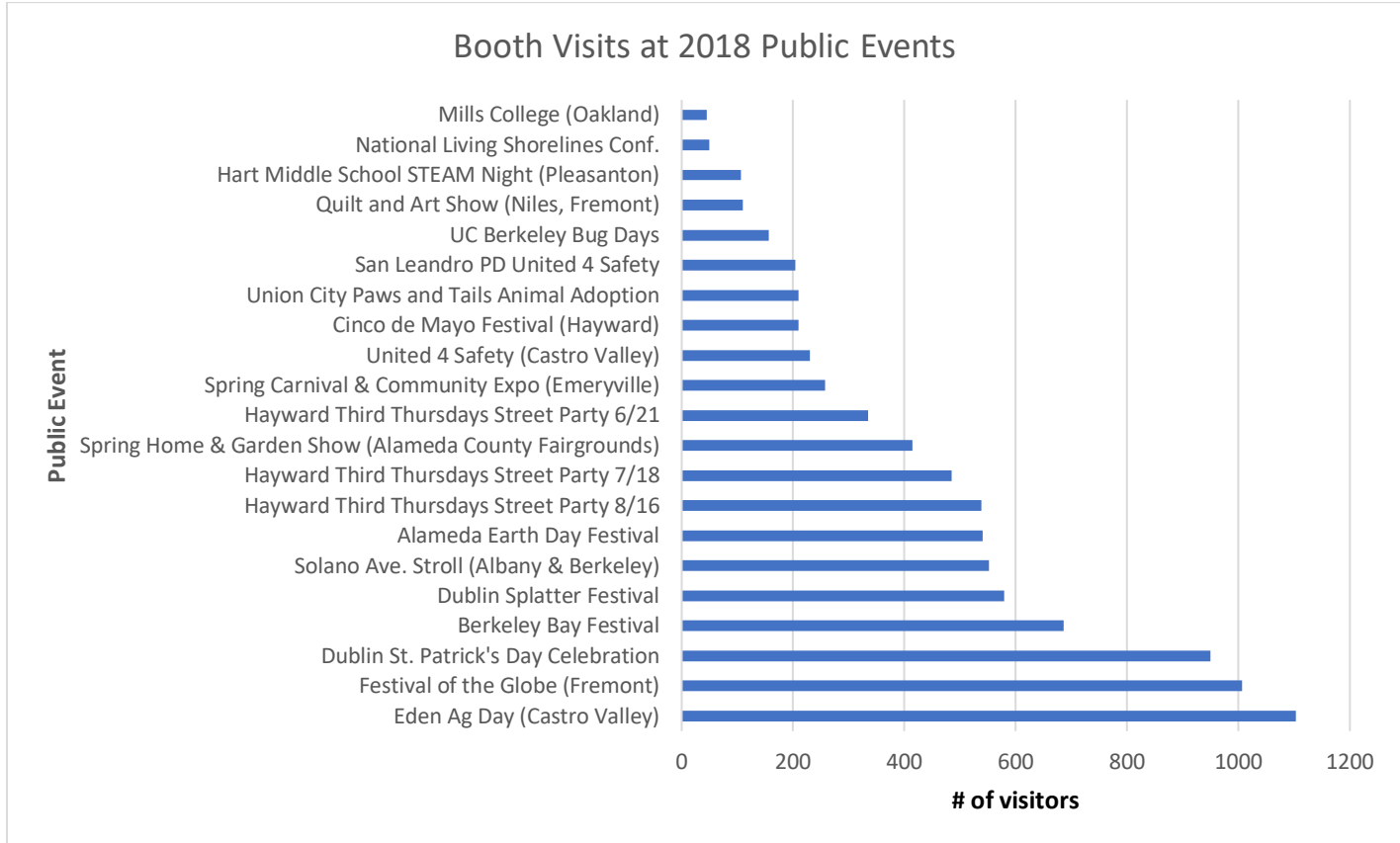


Figure 1. Number of visitors that attended events from January 1st to October 1, 2018

B. Advertisement Campaigns

i. Print ads (*East Bay Express*)

- Started May 30th and run through November 27th



ii. Internet Ads for ACMAD

- Started June 24th and run through October 19th
- Displayed 26,460 times in June (one week only)
- Displayed 102,697 times in July
- Displayed 104,208 times in August
- Displayed 102,477 times in September



C. Google Analytics

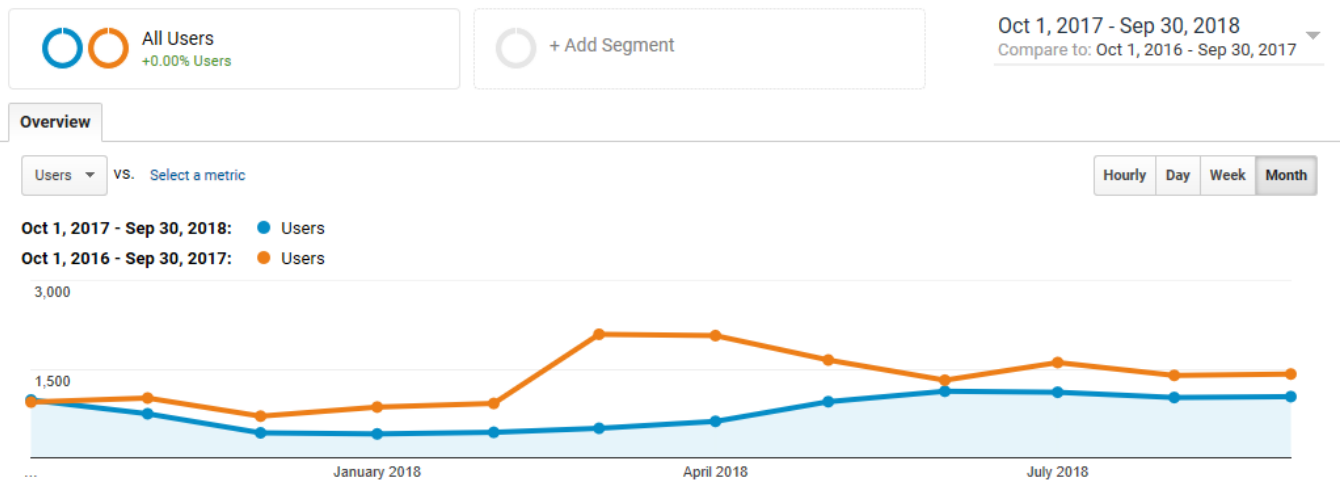


Figure 2. Comparison of website users over the past two years

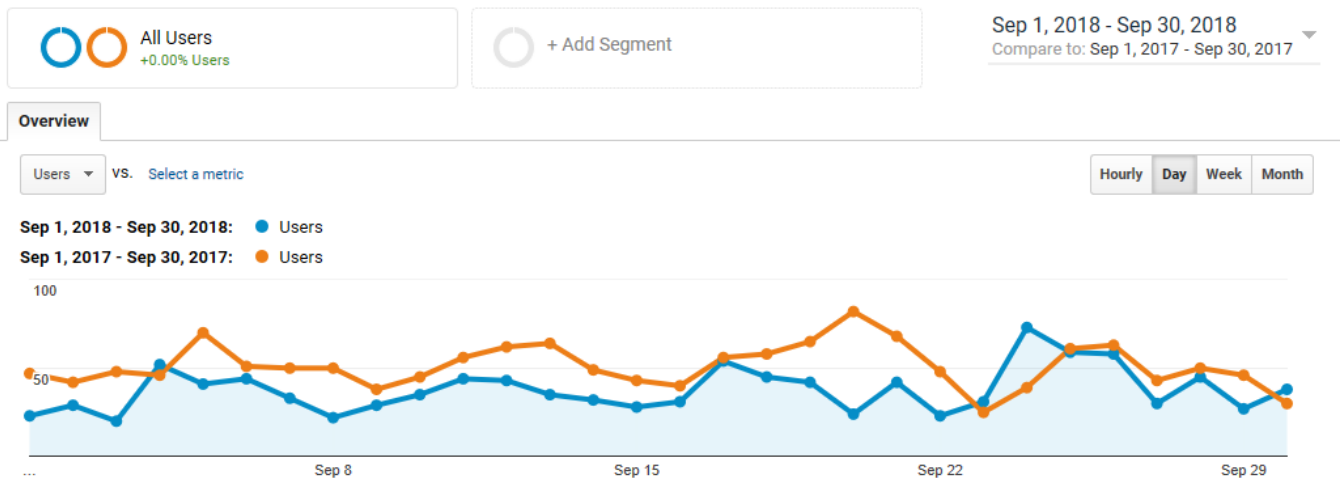
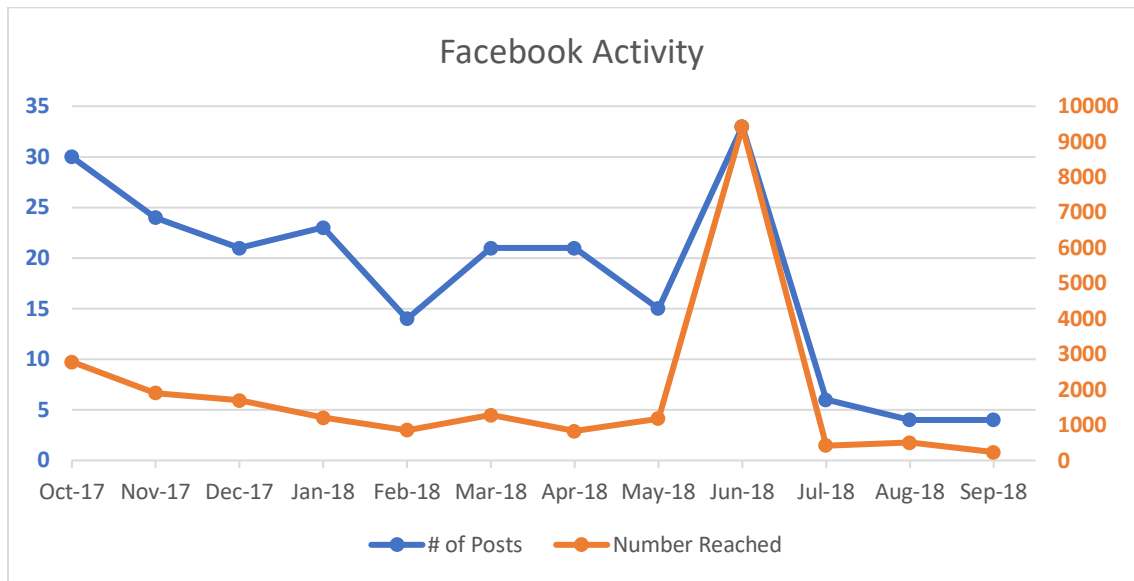


Figure 3. Comparison of website users over the past two years for the month of September.

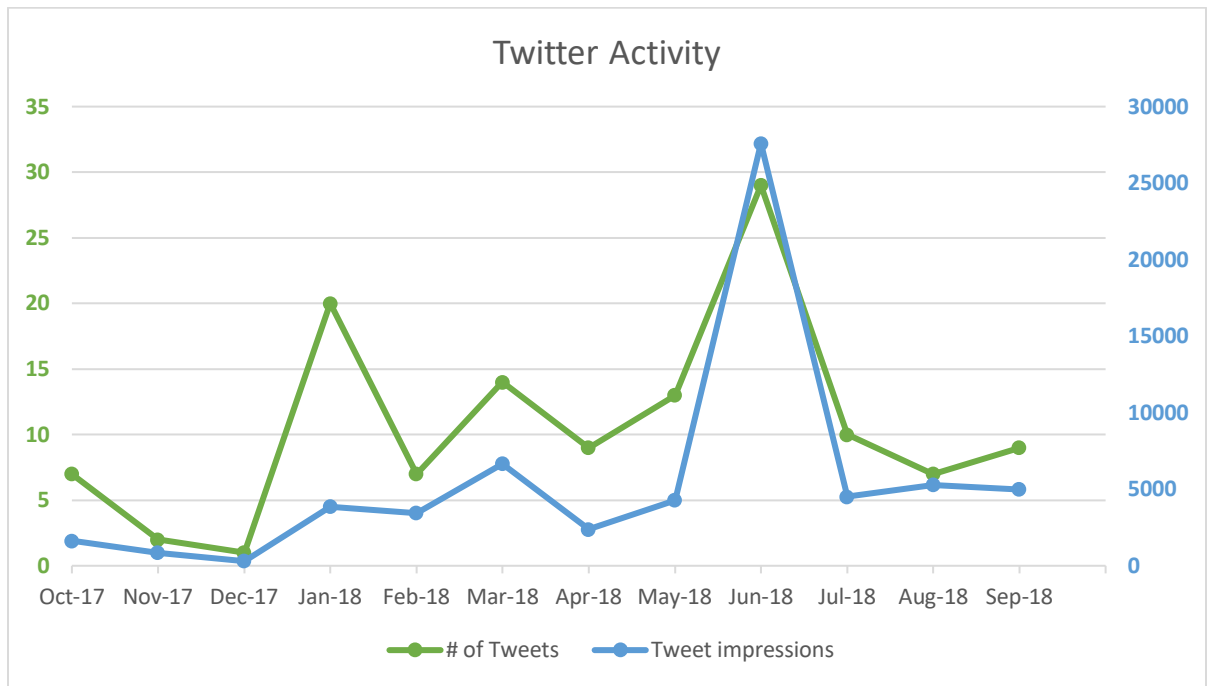
D. Facebook



Total Number of Followers: 169 (down from 170 in August)

September's Most Popular Post: If you'll be hanging out outside this weekend make sure to be using the proper type of repellent to prevent mosquito bites! (picture)

E. Twitter

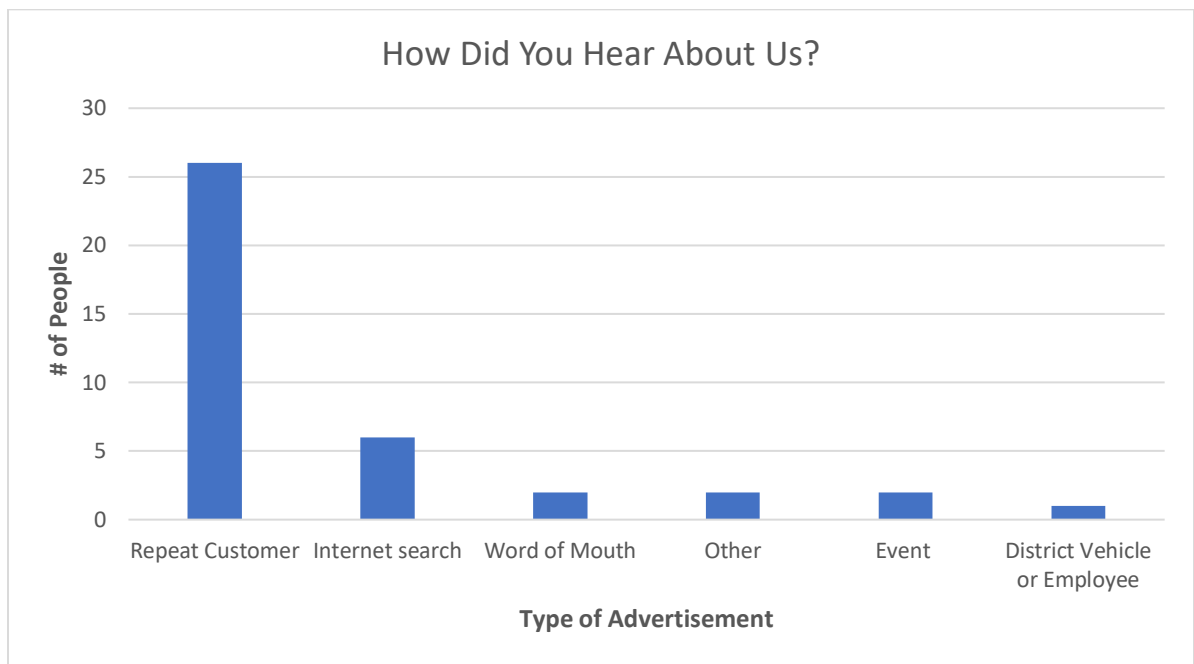


Number of Profile Visits in September: 62

Total Number of Followers (New This Month): 617 (6)

Top September Tweet: We hope everyone had a fun and mosquito free holiday weekend! Make sure to keep checking your yard for standing water. (picture)

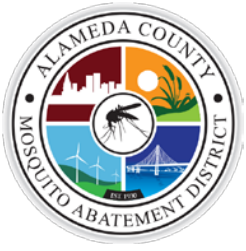
F. Service Request Referral Summary



Note: Internet Ad, Billboard Ad, Movie Theater Ads, Phone Book, News Story, Property Tax, and Social Media are also options for this question, but were not included on this chart, because they were not selected in the month of September. Two people chose “Other” including 1) the East Bay Express and 2) an Association Handbook.

4. **LEGISLATIVE UPDATE:**

	Bill Name and description	Status	ACMAD Position	ACMAD Action
<i>California</i>				
CSDA	SB 929: This bill would require every independent special district to maintain a website that clearly lists contact information for the special district.	Chaptered	Support	Legislative Visits and support letters
<i>Federal</i>				



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Trustee Anniversary Recognitions:

Board of Trustees

President

Elisa Marquez

Hayward

Vice-President

Wendi Poulson

Alameda

Secretary

Eric Hentschke

Newark

Humberto Izquierdo

County at Large

P. Robert Beatty

Berkeley

Betsy Cooley

Emeryville

Alan Brown

Dublin

George Young

Fremont

James N. Doggett

Livermore

Jan O. Washburn

Oakland

Robert Dickinson

Piedmont

Kathy Narum

Pleasanton

Ed Hernandez

San Leandro

Subru Bhat

Union City

Ryan Clausnitzer

General Manager

Background:

ACMAD is pleased to recognize and thank the following Trustees on their anniversaries in the month of October.

Trustee	City	Years of Service	Anniversary Date
Kathy Narum	Pleasanton	5 *	October 1 st
Wendi Poulson	Alameda	3	October 20 th

* Per District Policy §107.1, Trustee Narum is awarded a pewter belt buckle engraved with the District logo.