

SACRAMENTO-YOLO
MOSQUITO & VECTOR
CONTROL DISTRICT

FEBRUARY 20, 2018

BOARD OF TRUSTEES
REGULAR MEETING

BOARD PACKET

10:00 A.M.

8631 Bond Road
Elk Grove, CA 95624

**SACRAMENTO/YOLO MOSQUITO
& VECTOR CONTROL DISTRICT
BOARD OF TRUSTEES REGULAR MEETING**

8631 Bond Road
Elk Grove, CA 95624

**AGENDA
February 20, 2018
10:00 AM**

In compliance with the Americans with Disability Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the District office at (916) 685-1022 or (916) 685-5464 (fax). Requests must be made as early as possible, and at least one-full business day before the start of the meeting. Documents and materials relating to an open session agenda item that are provided to the SYMVCD Board less than 72 hours prior to a regular meeting will be available for public inspection and copying at 8631 Bond Road, Elk Grove, Ca 95624. The documents will also be available on the agency's website at www.fightthebite.net.

CALL TO ORDER:

- **Roll Call**
- **Pledge of Allegiance**

1. **Items for Approval by General Consent:**
 - a. **Minutes of the January 18, 2018 Board of Trustees Meeting**
 - b. **Expenditures for January 2018**

2. **Opportunity for Public Comment**

This item is reserved for members of the public who wish to speak on items not on the agenda

3. **Reports to the Board**
 - a. **Manager's Report**
 - b. **Reports from Trustees Attending the MVCAC Annual Conference**
 - c. **Reports from District Departments**
 - **Lab/Surveillance**
 - **Ecological Management**
 - **Biological Control**
 - **Larval and Adult Control**
 - **Field Supervisor**
 - **Public Outreach**

4. **Board Review and Discussion for Public Outreach Advertising Budget**

5. **Closed Session- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6-Labor Negotiations)**
Agency Designated Representatives : [Gary Goodman, Janna McLeod, Samer Elkashef, Chris Voight]
Employee Organization: [Operating Engineers Local Union #3]
6. **Board/Staff General Discussion**
7. **Adjournment**

Sacramento-Yolo Mosquito and Vector Control District

February 20, 2018 Board Meeting

1. Items for Approval by General Consent:

- a. Minutes of the January 16, 2018 Board of Trustees Meeting;
- b. Expenditures for January 2018.

Recommendation:

Approve the Items by General Consent

**MINUTES OF THE JANUARY 16, 2018
REGULAR MEETING OF THE BOARD OF TRUSTEES OF THE
SACRAMENTO-YOLO MOSQUITO & VECTOR CONTROL DISTRICT**

PLACE: 8631 Bond Road, Elk Grove, CA 95624
TIME: 10:00 a.m.

TRUSTEES PRESENT:

Sean Denny	President	Woodland
Susan Maggy	Vice President	Sacramento County
Raymond LaTorre	Secretary	Sacramento
Christopher Barker		Davis
Craig Burnett		Folsom
Raul DeAnda		West Sacramento
Bruce Eldridge		Yolo County
Frederick Goethel		Galt
Lyndon Hawkins		Elk Grove
Jayna Karpinski-Costa		Citrus Heights
Robert McGarvey		Rancho Cordova
Rosemarie Moore		Isleton

TRUSTEES ABSENT:

Gregory Lanzaro	Winters
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LEGAL COUNSEL:

Jennifer Buckman

STAFF PRESENT:

Gary Goodman	Manager
Samer Elkashef	Assistant Manager
Janna McLeod	Administrative Manager
Marcia Reed	Laboratory Director
Steven Ramos	Program Coordinator
Marty Scholl	Ecological Management Supervisor
Tony Hedley	Fisheries Supervisor
Kevin Combo	Field Supervisor
Demetri Dokos	Field Supervisor
Michael Fike	Field Supervisor
Ruben Rosas	GIS Coordinator
Tom Price	Shop Supervisor

CALL TO ORDER

The meeting was called to order at 10:00 a.m. by President Sean Denny.

Roll Call

Trustee Gregory Lanzaro is absent; however, a quorum is present.

Pledge of Allegiance

All phones and electronic devices are requested to be silenced during the meeting.

1. ITEMS FOR APPROVAL BY GENERAL CONSENT

On a motion by Trustee Burnett, seconded by Trustee Goethel the Board voted to approve General Consent Items a. through c. The motion passed by the following vote: Ayes: 12, Noes: 0, Absent: 1.

- a. Minutes of the December 19, 2017 Board of Trustees Meeting;
- b. Expenditures for December 2017;
- c. Board Review and Consideration of District Annual Safety Committee Report.

2. OPPORTUNITY FOR PUBLIC COMMENT

This item is reserved for members of the public who wish to speak on items not on the agenda.

There were none.

3. REPORTS TO THE BOARD

a. Manager's Report:

District staff is taking vacation time and completing annual training during this time of year. Staff is working on the annual NPDES report that is due to the State Water Resources Control Board in March. The AMCA continues to push for the NPDES fix language of HR 953 to be included in the next farm bill. MVCAC Annual Conference will be held in Monterey January 29th through February 1st. Form 700 Conflict of Interest form has been sent out and is due by April 2, 2018.

b. Reports from District Departments: Written reports were provided in the Board packet from each department. Department supervisors gave an oral presentation and were available to answer any questions.

Lab/Surveillance: Lab Director, Marcia Reed discussed surveillance activities including mosquito abundance, mosquito trapping, and tick and Lyme disease surveillance. Staff is working on trap maintenance and preparing equipment for the coming season. EVS testing will begin in May with tentative plans for abundance trapping to begin mid-April. A Masters in Public Health student will be working with the Lab on tick flagging activities this season. Marcia also reviewed product trials that are being planned for the 2018 season. The annual bird count was done on January 5th with 492 birds from 45 species identified at the Bond Road facility.

Ecological Management: Ecological Management Supervisor, Marty Scholl discussed the Stormwater, Planning, Swimming Pool and UAS programs. Marty discussed The Delta Conservancy and their list of projects for 2018. Comments from the District are due by January 26th. The UAS program continues to develop with the District getting invited to join a UAS State Agency workgroup after the drone "rodeo" staff attended in December. Marty talked about discussions he has had with Airbus Aerial, a subsidiary of Airbus, regarding pilot programs on high resolution imagery that can auto detect water and green pools.

Biological Control: Fisheries Supervisor, Tony Hedley discussed fish planting and maintenance activities. Equipment maintenance and winter project tasks are ongoing including pond rehab, and new electrical outlets and painting in the fish building. Due to a lack of rain so far this winter the deep well water system had to be used to keep pond water at desired levels. Tony continues to work on and finalize his poster for MVCAC with the assistance of Sarah Wheeler and Samer Elkashef.

Larval and Adult Control: Newly appointed Program Coordinator, Steve Ramos was introduced to the Board. Steve was promoted to Program Coordinator in January having previously worked at the District as an Ecological Management Technician and Field Technician. Technicians are performing regular winter activities including annual training, yard work, facility maintenance, packet assembly, and brush projects. Refresher training specific to District equipment has started. 2017 aerial acreage commitments were reviewed. Although some commitments were not met in 2017 each District participating is responsible for their committed acreage whether it is all used or not. Field Supervisor, Kevin Combo reported on activities for the North Sacramento crew including 653 mosquito service requests, 1088 unmaintained swimming pools, and 140 yellow jackets calls. Technicians performed 72 radius responses for positive mosquito samples and 67 radius responses for positive dead birds. Field Supervisor, Demetri Dokos, reported on activities for the South Sacramento crew including 626 mosquito service requests and 668 yellow jacket calls. One property in Herald had approximately 230 nests alone. Field Supervisor, Michael Fike, reported for the North and South Yolo county crews. Flooding from rainfall in 2017 brought early West Nile virus activity to the area. Rice Fields border residential areas with 21,000 acres of rice inspected this past season. The first aerial treatment was performed the 8th of June with the last treatment of the season on being performed on the 6th of September. Fall flooding started in early September with treatments ending around the 26th of October.

Geographic Information Systems: GIS Coordinator, Ruben Rosas gave a report on his department activities including aerial data analysis, mapping of treatments, swimming pools, service requests and other information. Ruben attended his first AMCA conference where he was able to network with other mosquito professionals on GIS data analysis and workflow. While there Ruben presented on the aerial pool survey done in 2017 and how that data was used including the addition of 160 new pools to District records. Data and information related to the NPDES report was able to be extracted from MapVision allowing the report to be put together much quicker and more efficiently. Ruben is also working on modifying zone boundaries to determine if zones could be adjusted to achieve greater control in specific areas. The GIS department is also working collaboratively with Ecological Management on the analysis of data and other information obtained through the UAS program.

Maintenance Shop: Shop Supervisor Tom Price gave an oral report on maintenance activities. He supervises two full-time mechanics that keep the District's fleet up and running. Tom shared a video presentation of the District's new vehicles and some of the fabrication and modifications the mechanics have done to outfit the new vehicles with spray and other specialized equipment. With the assistance of Ecological Management Technician, Robert Fowler, the District has sold thirty-nine of the old surplus vehicles bringing in an average price of \$4,460 per truck.

Public Outreach: Public Information Officer, Luz Robles provided a written report in the Board packet.

The Board thanked the supervisors for their reports and commended staff for their continued efforts in working together to achieve District goals and objectives.

4. BOARD CONSIDERATION AND APPROVAL OF DISTRICT OFFICERS FOR PRESIDENT, VICE PRESIDENT, AND SECRETARY DELEGATING THE MANAGER TO PERFORM THE RESPONSIBILITIES OF THE SECRETARY.

Trustee Karpinski-Costa nominated Trustee Susan Maggy to serve as Board President for 2018; the nomination was seconded by Trustee Burnett. Trustee Burnett nominated Trustee Raymond LaTorre to serve as Board Vice President for 2018; the nomination was seconded by Trustee Maggy. Trustee Hawkins nominated Trustee Jayna Karpinski-Costa to serve as Board Secretary for 2018; the nomination was seconded by Trustee Maggy. The Board voted and approved the item and nominations. The item passed by the following vote: Ayes: 12, Noes: 0, Absent: 1.

5. BOARD REVIEW OF DISTRICT 5 YEAR PLAN

Assistant Manager, Samer Elkashef introduced the item and reviewed the plan, associated timelines and potential costs. Mr. Elkashef reviewed items that are in progress or completed including continued implementation of aspects of MapVision Software, efficacy trials for products such as, but not limited to, Deltagard, completion of all full-time job descriptions, and the go live date of the accounting software. An AGRAS MGI-S spray drone has been purchased with calibration and testing to be done this coming season. The payroll and time and attendance portions of the accounting software are anticipated to go live this spring. Trustee Raul DeAnda commended staff for putting the plan together and for the continued follow through.

6. BOARD DISCUSSION ON PERB DECISION

Manager Gary Goodman presented the item and was available for questions. The District has voluntarily recognized the Operating Engineers Local No. 3 (OE3) as the exclusive representative of the MOAT unit that includes the following classifications: Administrative Assistant, Ecological Management Technician, Field Technician I, Field Technician II, Laboratory Assistant, Laboratory Technician, Mechanic, and Senior Administrative Assistant. A Letter from PERB acknowledging the agreement was included in the Board packet.

At this time Michael De Anda, Business Representative for the Operating Engineers Local 3, requested to speak and introduced himself and passed out copies of an information request letter submitted by the OE3 (Exhibit A, attached).

7. CLOSED SESSION-CONSIDERATION AND POSSIBLE APPOINTMENT OF BARGAINING TEAM (GOV. CODE S. 54957.6-LABOR NEGOTIATIONS)

President Denny adjourned the regular meeting at 11:13 am. The Board went into Closed Session at 11:22 am. The Board returned from closed session and re-opened the regular meeting at 12:10 pm. The Board reported the following action. On a motion by Trustee Karpinski-Costa, seconded by Trustee Goethel, the Board voted to approve the appointment of the firm Blanning and Baker to represent the District in Labor Negotiations with the Operating Engineers Local No. 3 and the District recognized MOAT unit. The District Bargaining team will consist of the General Manager, Assistant Manager, Administrative Manager, Chris Voight of Blanning and Baker, and up to two other members of the District or Blanning and Baker staff as

determined by the General Manager. The motion passed by the following vote: Ayes: 12, Noes: 0, Absent: 1.

8. CLOSED SESSION-PUBLIC EMPLOYEE PERFORMANCE EVALUATION: MANAGER

President Denny adjourned the regular meeting at 12:11 pm. The Board went into Closed Session at 12:12 pm. The Board returned from closed session and re-opened the regular meeting at 12:38 pm with nothing to report from the closed session.

9. BOARD/STAFF REPORTS AND REQUESTS

The MVCAC Annual meeting is at the end of January and the AMCA meeting is at the end of February. Trustees have been provided with their confirmations. Please see staff with any questions or concerns.

10. ADJOURNMENT

The meeting adjourned at 12:43 pm.

* * * * *

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the January 16, 2018 meeting.

Gary Goodman, Manager

Approved as written and/or corrected by the Board of Trustees at the February 20, 2018 meeting.

Jayna Karpinski-Costa, Board Secretary



OPERATING ENGINEERS LOCAL UNION No. 3

1620 SOUTH LOOP ROAD, ALAMEDA, CA 94502-7089 • (510) 748-7438 • FAX (510) 521-4886

Jurisdiction: Northern California, Northern Nevada, Utah, Hawaii, and the Mid-Pacific Islands

Public Employees Division

January 11, 2018

Mr. Gary W. Goodman
Sacramento-Yolo Mosquito & Vector Control District
8631 Bond Road
Elk Grove, California 95626

RE: Operating Engineers Local Union No. 3, AFL-CIO

Mr. Goodman:

Now that the Sacramento-Yolo Mosquito & Vector Control District "has voluntarily recognized the Operating Engineers Local No. 3 as the exclusive representative of a unit of employees" we request to meet and confer over the wages, benefits and conditions of employment of the employees in the approved appropriate unit.

The unit includes the following classifications:

Administrative Assistant
Ecological Management Technician
Field Technician I and II
Laboratory Assistant
Laboratory Technician
Mechanic
Senior Administrative Assistant

In preparation for meeting and conferring to negotiate a collective bargaining agreement or MOU, we request the following information:

1. The Current salary schedule and salary step placement of all employees in the unit.
2. The current days of work and hours of work for all employees in the unit.
3. The names of the immediate supervisors of all employees in the unit.
4. The names, classification, physical work site, work email, if available, work phone, if available, work cell phone, if provided.
5. Any documents that describes any changes in conditions of employment included but not limited to Health, Dental, Vision, Long Term Disability, Life/AD&D etc. since providing the September 5, 2017 request for information.

It is our understanding that plans, plan designs and choice of plans available may have changed. Also provide any and all information, documents, Benefit Rates, rates etc. provided to employees regarding any "open enrollment" for 2018.

6. Any and all "old" and new and or "revised" job descriptions for employees in the unit since Mr. Goodman became the General Manager. Also provide any old job descriptions that have been eliminated including but not limited to Field Technician III, Mechanic II etc.

7. We would like to understand and discuss any condition of employment for any employee "Y RATED" in the unit.

I would also like to schedule visits to all work locations to ascertain the physical working conditions of all employees in the unit.

Lastly, we would like to reiterate our statement issues on or about August 23, 2017 regarding maintaining status quo conditions of employment:

We expect the Sacramento – Yolo Mosquito & Vector Control District to maintain the wages, benefits and conditions of employment for the employees we now represent in a status quo condition. Any changes made in violation of status quo will result in an Unfair Labor Practice being filed with the Public Employment Relations Board

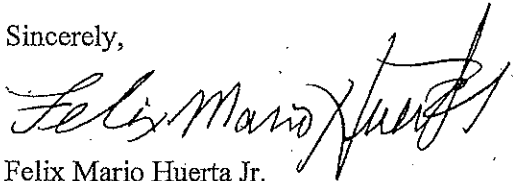
Myers Millias Brown Act section 3506.5, reads as follows:

A public agency shall not do any of the following:

- (a) Impose or threaten to impose reprisals on employees, to discriminate or threaten to discriminate against employees, or otherwise to interfere with, restrain, or coerce employees because of their exercise of rights guaranteed by this chapter.
- (b) Deny to employee organizations the rights guaranteed to them by this chapter.
- (c) Refuse or fail to meet and negotiate in good faith with a recognized employee organization. For purposes of this subdivision, knowingly providing a recognized employee organization with inaccurate information regarding the financial resources of the public employer, whether or not in response to a request for information, constitutes a refusal or failure to meet and negotiate in good faith.
- (d) Dominate or interfere with the formation or administration of any employee organization, contribute financial or other support to any employee organization, or in any way encourage employees to join any organization in preference to another.
- (e) Refuse to participate in good faith in an applicable impasse procedure.

As such, we strongly urge you maintain the wages, benefits and conditions of employment. We also urge you to cease and desist any direct dealing with employees related to wages, hours and conditions of employment.

Sincerely,



Felix Mario Huerta Jr.
Operating Engineers Local No 3, AFL-CIO
Organizer/Business Representative

CC: Tim Neep, Operating Engineers Local No. 3, AFL-CIO
Public Employee Division Director
Sean Denny, SYMVCD Board President
MOAT Unit Employees

Sacramento-Yolo Mosquito and Vector Control **STATEMENT OF FINANCIAL CONDITION**

Please Note: We did not receive our final month end General Ledger for January 2018 from Yolo County in time for the packet. The January 2018 check register reflects the transactions of the District that were authorized.

Please contact Administrative Manager, Janna McLeod prior to the meeting if you have any questions or concerns on the financial reports.

January 2018 Check Register
Activity From: 1/1/2018 to 1/31/2018
Sacramento Yolo MVCD (SYC)

Check Number	Check Date	Vendor Number	Name	Check
051050	1/11/2018	000018	ANDKO Building Maintenance Inc.	2,777.94
051051	1/11/2018	000029	Arthur J Gallagher Risk Mngmt Svcs	222.00
051052	1/11/2018	000062	CA Department of Fish & Game Sac. Valley	62.83
051053	1/11/2018	0000117	City of Woodland	500.28
051054	1/11/2018	0000128	Consolidated Communications	2,462.60
051055	1/11/2018	0000186	Elk Grove Water District	490.74
051056	1/11/2018	0000956	Employee Benefits Law Group	193.50
051057	1/11/2018	0000202	Ferrellgas	95.90
051058	1/11/2018	0000215	G&K Services	1,624.08
051059	1/11/2018	0000246	Inland Business Systems	322.07
051060	1/11/2018	0000963	Rebecca Heinig	19.36
051061	1/11/2018	0000388	Republic Services #922	32.20
051062	1/11/2018	0000424	Safe Side Security	1,048.50
051063	1/11/2018	0000451	SMUD	3,323.12
051064	1/11/2018	0000461	Stericycle Inc	3.78
051065	1/11/2018	0000492	Top Rank Heating Air Conditioning Inc	220.00
051066	1/11/2018	0000494	Totlcom Inc	2,375.00
051067	1/11/2018	0000505	US Bank Equipment Finance	102.37
051068	1/11/2018	0000518	Vector Disease Control International	50,000.00
051069	1/11/2018	0000529	Waste Management	541.86
051070	1/17/2018	0000141	CSAC Excess Insurance Authority	501.15
051071	1/17/2018	0000267	Kaiser Foundation Health Plan	21,765.59
051072	1/17/2018	0000267	Kaiser Foundation Health Plan	1,323.49
051073	1/17/2018	0000267	Kaiser Foundation Health Plan	1,985.25
051074	1/17/2018	0000267	Kaiser Foundation Health Plan	15,270.97
051075	1/17/2018	0000357	P & A Administrative Services Inc	94.50
051076	1/17/2018	0000373	Preferred Benefit Ins Administrators	8,323.70
051077	1/17/2018	0000957	Sutter Health Plus	3,741.40
051078	1/17/2018	0000531	Western Health Advantage	9,131.57
051079	1/17/2018	0000531	Western Health Advantage	6,011.84
051080	1/25/2018	0000014	Alhambra & Sierra Springs	137.47
051081	1/25/2018	0000038	Bartkiewicz Kronick & Shanahan	933.28
051082	1/25/2018	0000186	Elk Grove Water District	159.75
051083	1/25/2018	0000958	GreatAmerica Financial Services	372.82
051084	1/25/2018	0000240	Hunt & Sons Inc	214.39
051085	1/25/2018	0000306	Maita Chevrolet	853.18
051086	1/25/2018	0000367	PG & E	1,265.50
051087	1/25/2018	0000943	Sherwin-Williams	205.71
051088	1/25/2018	0000937	Staples Advantage	318.40
051089	1/25/2018	0000461	Stericycle Inc	86.60
051091	1/25/2018	0000487	The Tremont Group Inc	103.46
051092	1/25/2018	0000497	TriCo Welding Supplies	84.75
051093	1/25/2018	0000538	Woodland Heating & Air Conditioning Inc	90.01
051094	1/31/2018	0000043	Benefit Coordinators Corporation	3,252.69
051095	1/31/2018	0000084	CA State Disbursement Unit	694.00
051096	1/31/2018	0000084	CA State Disbursement Unit	350.00
051097	1/31/2018	0000086	CalPERS 457 Plan	21,785.43

051098	1/31/2018	0000339	Nationwide Retirement Solutions	1,300.00
051099	1/31/2018	0000339	Nationwide Retirement Solutions	3,275.00
051100	1/31/2018	0000083	CA State Board of Equalization	6,503.98
W007151	1/31/2018	0000087	CalPERS Financial Reporting & Accounting	68,547.65
			Bank Y Total:	<u>245,101.66</u>
			Report Total:	<u><u>245,101.66</u></u>

I hereby authorize the use of my signature plate on
the above-listed warrants, 051049-051100, and EFTs

Sean Denny, President of the Board

Sacramento-Yolo Mosquito and Vector Control District

February 20, 2018 Board Meeting

3. Reports to the Board

- a. Manager's Report**
- b. Reports from Trustees Attending the MVCAC Annual Conference**
- c. Reports from District Departments**
 - **Lab/Surveillance (Marcia Reed)**
 - **Ecological Management (Marty Scholl)**
 - **Biological Control (Tony Hedley)**
 - **Larval and Adult Control (Steve Ramos)**
 - **Field Supervisor (Garth Ehrke)**
 - **Public Outreach (Luz Maria Robles)**

a. Manager's Report

District staff is taking earned vacation time and completing annual training during this time of year. Staff is finalizing the annual NPDES report that will be due to the SWRCB in March.

The MVCAC Annual Legislative Day will be March 7 in Sacramento. We will be visiting all of our local legislators. The MVCAC is trying to ensure that we visit all of our state legislators and we may be making visits to other Districts representatives.

The AMCA Annual Legislative Day will be May 14-17 in Washington DC. Epidemiology and Laboratory Capacity Funding, USFWS Mosquito Control Practices and NPDES issues will be the main ask of our federal legislators.

Please be advised that you will need to submit your Conflict of Interest Form 700 prior to April 2018.

b. Reports from Trustees Attending the MVCAC Annual Conference

c. Reports from District Departments

- **Lab/Surveillance (Marcia Reed)**
- **Ecological Management (Marty Scholl)**
- **Biological Control (Tony Hedley)**
- **Larval and Adult Control (Steve Ramos)**
- **Field Supervisor (Garth Ehrke)**
- **Public Outreach (Luz Maria Robles)**

LABORATORY
Monthly Report for February 2018 Board Meeting

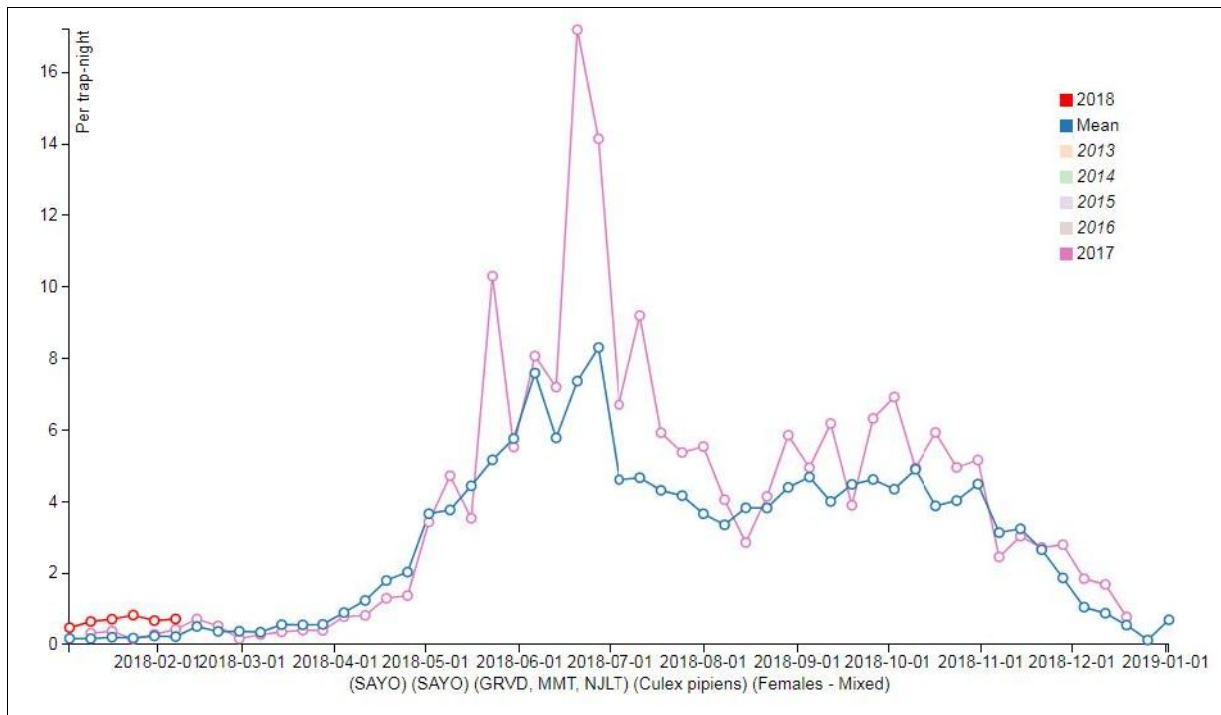
Insectary:

Colonies maintained: *Culex tarsalis* Bakersfield from CDC (susceptible)
Culex tarsalis Kern National Wildlife (susceptible)
Culex quinquefasciatus Cq1 (susceptible)
Culex pipiens Woodland (resistant)
Aedes sierrensis wild

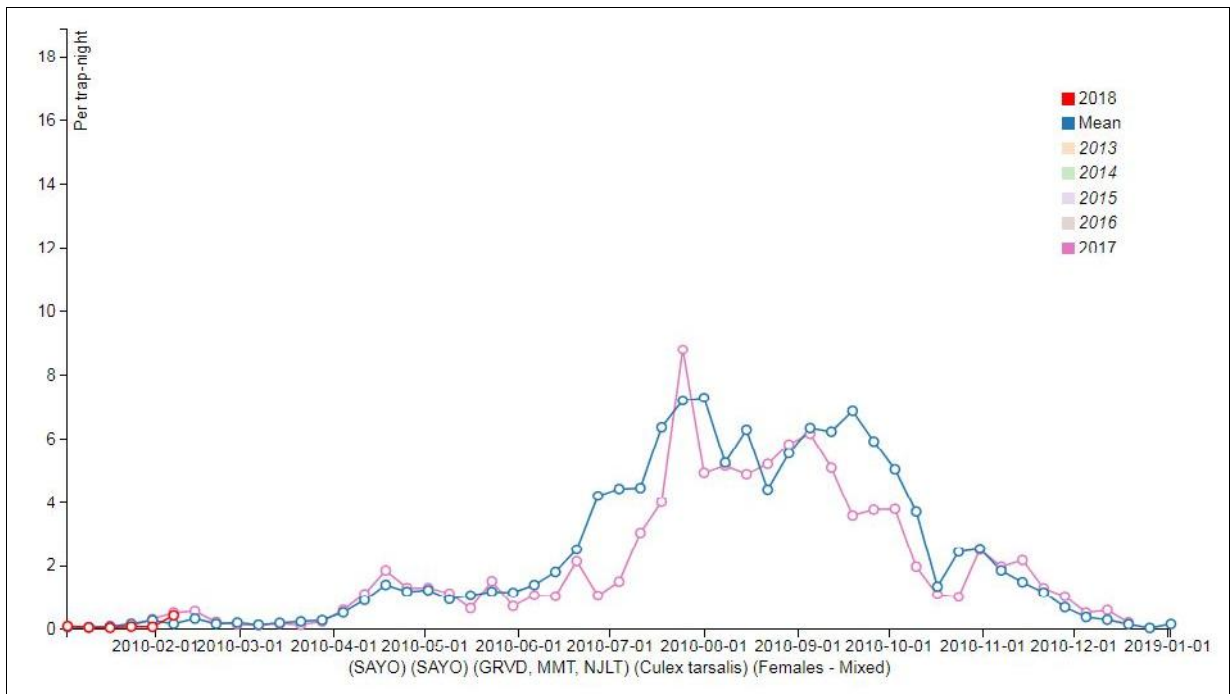
Surveillance:

- **Weekly collections** – New Jersey Light traps (NJLTs), Mosquito Magnet traps (MMTs), and Gravid traps (GTs) results are presented in the graphs below. We are in the process of adding our new custom “Locker Traps” to several of our weekly sites. These are CO₂ based traps and will be replacing the MMTs in our weekly abundance trapping program. We are also reviewing our use of light traps in our surveillance program.

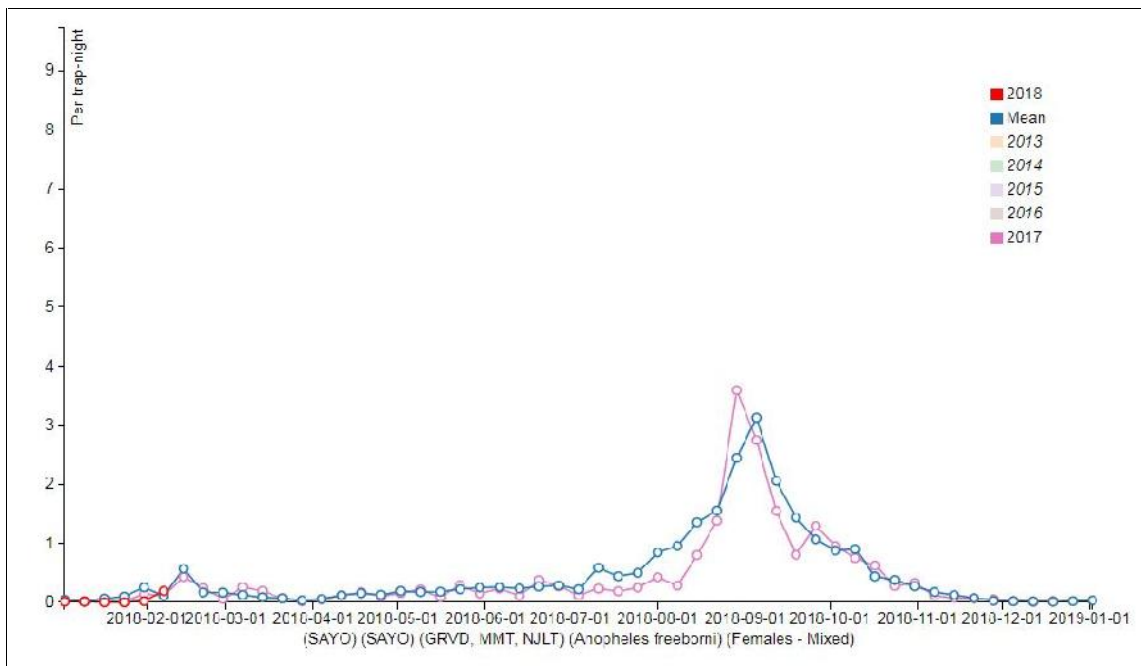
Culex pipiens on abundance traps (NJLT, MMT, GT):



Culex tarsalis on abundance traps (NJLT, MMT, GT):



Anopheles freeborni on abundance traps (NJLT, MMT, GT):



Encephalitis virus surveillance (EVS) – Mosquitoes - The laboratory technicians are making new catch bags and we are evaluating trap sites and planning our weekly EVS runs for the upcoming season. As mentioned last meeting, we will begin setting EVS traps in April and using this data to provide guidance to the control technicians of any areas of increasing mosquito activity. We will begin testing mosquitoes for the presence of viruses in May as usual.

Encephalitis virus surveillance (EVS) – Dead birds – The dead bird hotline opens in April and we will be picking up and testing dead birds again this season.

Encephalitis virus surveillance (EVS) – Sentinel chickens – We have identified where our five chicken flocks we will have this season will be located. Three are in the same locations as last season, and we have moved a coop to Dunnigan from Esparto and added a new coop in the North Sacramento County area. We are doing this due to concerns over the resurgence of St. Louis Encephalitis in California mosquito populations and the finding of two positive mosquito samples for this virus last year north of our District.

Exotic/Invasive Species Surveillance – We will again be utilizing ovitraps, AGO (autocidal gravid ovitraps) traps and BG Sentinel traps this season in our exotic/invasive mosquito surveillance program. We will expend similar staff time and laboratory resources in this program as we did last season.

Tick and Lyme disease surveillance – Tick flagging and testing of any *Ixodes pacificus* ticks found is ongoing. 28 pools (samples) from December's collections have been tested as well as two ticks submitted by the public. From these samples, we identified *Borrelia burdorferi* in four tick pools from three locations. Two of the positive pools were from Negro Bar, one was from Mississippi Bar and one was from East Lake Natoma. Both of the public submitted ticks were negative.

BG Counter Traps – We have ordered eight of the BG Counter traps for use in our rice program and to be evaluated for their utility in other habitats and mosquito producing areas. We expect this to be a huge asset to our rice mosquito surveillance and control programs.

Non-WNV Disease Response Surveillance – The laboratory received notification of another travel related case of dengue and is responding accordingly. Traps will be set near the area of concern to determine if any dengue vectors are present.

The California Arbovirus Surveillance Bulletins will resume in April (Disease Week 14) this year.

The new “Locker Traps”:

Designed by Sarah Wheeler and Ben Weisenberg.
Constructed by Stanley Roberts and Marti Towery.

This trap was designed to replace the Mosquito Magnet Traps in the weekly abundance aspect to our surveillance program. The locker trap uses CO₂ as a attractant to capture host seeking mosquitoes. We are constructing ones that are AC powered in addition to the battery powered trap shown here.



ECOLOGICAL MANAGEMENT DEPARTMENT Monthly Report for the February 2018 Board Meeting

Planning Program

Delta Conservancy, Ecosystem Restoration Grant proposals: Staff worked with three individual entities to obtain additional environmental restoration documents to get a better understanding of the projects that were presented and recommended for funding.

Pool program

Staff has begun assisting District Operations with access to backyard swimming pools as issues arise.

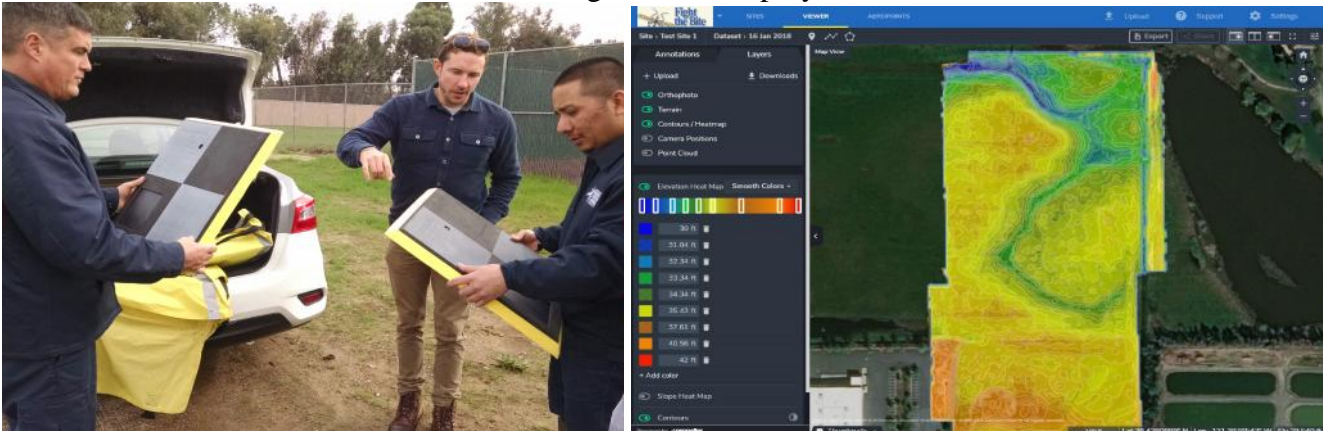
MVCAC

Staff participated in the 86th Annual MVCAC Conference by presenting on the District's UAS meteorological program. Many questions were asked about our UAS program over the course of the conference, and the week after.

A new UAS Special Committee has been formed to help guide MVCAC on UAS issues facing our industry as well as providing a platform to discuss new technologies and their uses for vector control. The Committee will also help develop guidance documents to aide AMCA members and the newly formed AMCA UAS workgroup.

UAS Program

As with almost every month, staff continued to expand the UAS program. Staff conducted a field demonstration with Propeller Aerial and is evaluating their proprietary UAS topographic software. California State Department of Fish and Wildlife will be joining the District in early February to view the software and evaluate the District's DJI Agras MG-1s sprayer.



Airbus Aerial continues to work on providing the District with satellite aerial solutions for considerations. The team is hoping to further their green pool detection software as District staff identify and treat green pools this summer in select urban areas.

Staff will continue to pursue FAA regulatory relief of UAS pesticide applicator licensing in anticipation of CDPR approval of UAS sprayers for vector control later this year. Two other Districts have begun a similar process to petition the FAA directly for relief of the Agricultural Pesticide Applicator requirements to ask for an exemption from having a licensed commercial pilot be part of the UAS operations.

BIOLOGICAL CONTROL
Monthly Report for February 2018 Board Meeting

In the month of January the Fisheries Department finished many of our scheduled projects. Finished projects include painting inside fisheries, running electrical, servicing and calibrating fisheries spray equipment. Fisheries staff continues to work on annual training, servicing trucks, gators and seining nets. With the help of Sarah Wheeler and Samer Elkashef I finished my poster project and displayed it at our MVCAC annual meeting. (see picture)

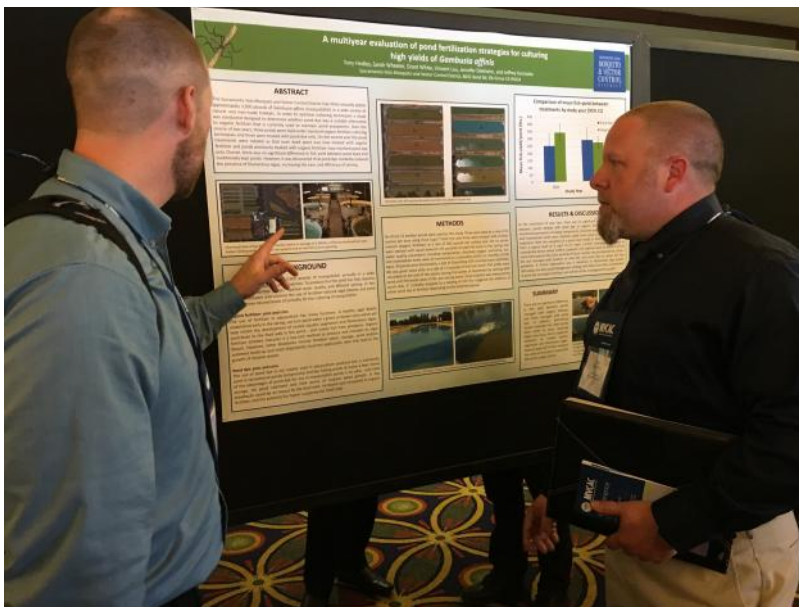
Fisheries will also continue with sanitation of fish transportation tanks, nets and seining gear. The main focus is to continue to have fish available for field technicians to use as they determine necessary. In the month of January fish usage by technicians was only 2.1 pounds. Daily activities were performed as well to maintain the high quality of fish. These activities include tank cleaning, water quality testing, medical treatments, setting up aerators, supplying fish to field technicians, feeding fish and running pumps.

Log of Treatment Applied

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Applic Rate</u>	<u>Treatments</u>
Mosquitofish	2.1 lbs	.5+ Acre	.2 lb/acre	10+
Guppies	.0 lb	0+ sqft	.0 lb/acre	0

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
24,990.00	9,148.20	15,841.80	37%



At the conference explaining my poster project. Fresno-Westside Mosquito abatement District Manager Colin Reis, one of many MVCAC attendees interested in my poster project.

CONTROL OPERATIONS
Monthly Report for February 2018 Board Meeting

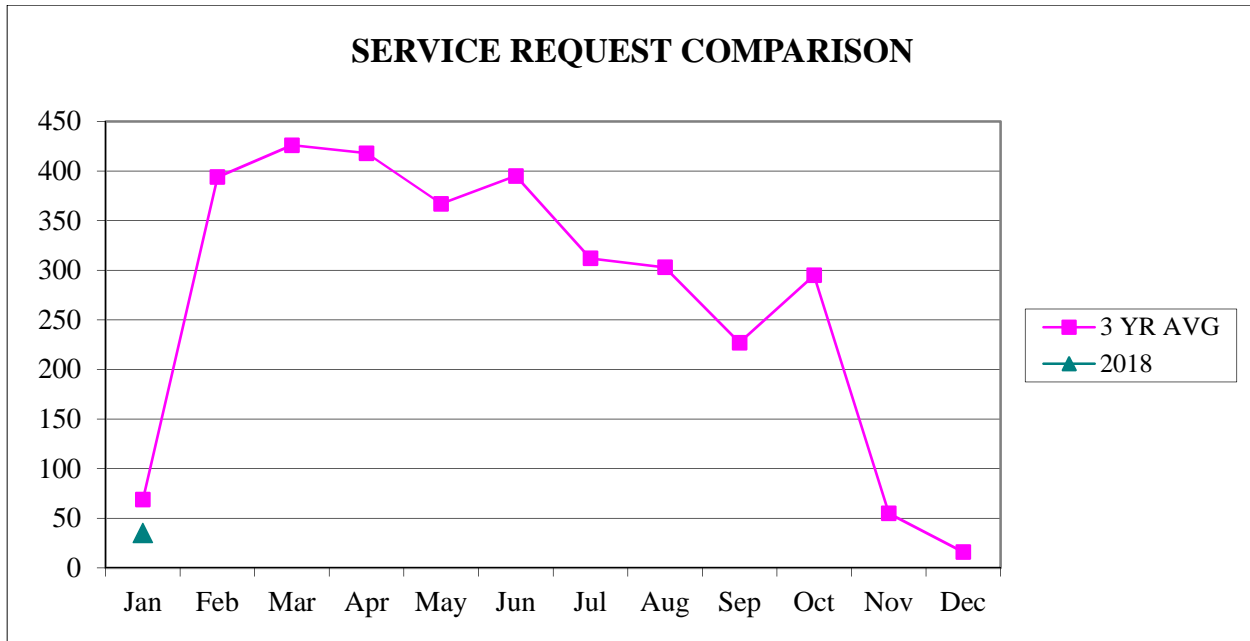
Control operations staff continues to work on their annual safety training modules and update their field technician manuals. Crews have also been calibrating liquid and granular application equipment in their trucks and all small utility vehicles. Treehole inspections have begun in the areas of Rancho Murieta, Goethe Park and Crossroads Community; the need for further inspections will depend on upcoming rainfall. The Catch Basin Crew continues to monitor basins in the Davis and downtown area when in the field or work on map updates when on site. Service requests are coming in at expected winter levels but have begun to increase as the weather warms up. There were no aerial applications in the month of January. In Collaboration with the Lab, Sacramento crew members have started field trials to improve treatment methods with Vectobac WDG and Suspend products (pictures below). The WDG trial focus is on the products ability to reach cryptic and inaccessible sources. The Suspend trial is testing the efficacy of a residual deltamethrin treatment in parks.

WDG Trial on Mock Treeholes



Suspend Polyzone Trial in Park





Larvicide Applications thru January 31 st				
Locations/Roles	2018		2017	
	Treatments	Acres	Treatments	Acres
Sacramento County	24	<1	33	5
Sac County Aerial	0 Orders	0	0 Orders	0
Yolo County	2	<1	0	0
Yolo County Aerial	0 Orders	0	0 Orders	0
CB Treated	0	--	0	--
CB Inspected -not treated	0	--	0	--

Aerial Adulticide Summary thru January 31 st				
County	2018		2017	
	# Applications	Acres	# Applications	Acres
Sacramento Ag	0	0	0	0
Sacramento Urban	0	0	0	0
Yolo Ag	0	0	0	0
Yolo Urban	0	0	0	0
Totals		0		0

VDCI Summary through January 31st, 2018**compared to: 2017**

Contract Acres (our portion) =	530,000	530,000
Acres used =	0	0
Acres remaining =	(530,000)	(530,000)
% Acres used =	0%	0%
% Acres remaining =	100%	100 %

San Joaquin County MVCD has used 0 acres of their 190,000 acre contract commitment.

Placer MVCD has used 0 acres of their 100,000 acre commitment.

Turlock MAD has used 0 acres of their 180,000 acre commitment.

PUBLIC INFORMATION AND EDUCATION
Monthly Report for February 2018 Board Meeting

Fight the Bite Contest

The annual Fight the Bite contest is underway! Changes have been made to the contest flier and most school districts have approved it. Moving forward, copies will be made and distributed to the schools. The contest is being promoted at all school presentations and contest entries have already started coming in. The contest is also being promoted on our social media platforms and we are reaching out previous contest participants and school or teachers that have participated year after year.

Website

As part of the website re-design project, we received and reviewed proposals from a variety of website companies. Spark Creative Design was selected as the firm that will be leading the re-design efforts. To date, the vendor has reviewed Google analytics from our current site to determine popular pages and other important data. A template has been selected for the overall design as well as the look and feel of the website. We have developed a site map and are starting to re-organize content for each specific page that is being developed.

Events:

Preparations for the 2018 Events season are underway and we have started compiling a list of events that we will participate in. To kick off the event season, in January we attended the Galt Bird Festival. Despite being a new location and having cold weather, the turnout was great for this event and we interacted with approximately 330 people. Participants of the event are bird enthusiasts and they were very interested in our laboratory and surveillance program, specifically effects of West Nile virus in the bird population.

Advertising:

We are putting together a draft advertising plan for the 2018 season. Meetings are also underway with both our media consultant and account executives from radio and television stations to begin discussing ideas and strategies that can be implemented for the new season.

Presentations:

In January, three presentations were given at Two Rivers Elementary in Sacramento. Classroom presentations are currently being scheduled for upcoming months. We are promoting the presentations on social media and reaching out to schools and teachers where we have done presentations to in the past.

Sacramento-Yolo Mosquito and Vector Control District

February 20, 2018 Board Meeting

4. Board Review and Consideration of \$ 260,000 to Fund Public Outreach Advertising Plan for 2018 Mosquito Season

Staff Report:

The District's Public Information and Education Department strives to raise awareness of mosquitoes, prevention of mosquito transmitted diseases as well as District services and activities. This is achieved by utilizing various elements including a paid advertising campaign, media relations, government affairs as well as general public outreach and community involvement.

Goals:

- Educate and inform the community about mosquitoes, prevention of West Nile virus and other vector-borne diseases
- Highlight and continue to emphasize District message of draining standing water, personal protection and overall importance of "mosquito control matters to all"
- Increase public awareness of what they can do to prevent mosquito breeding sites
- Change public behavior
- Inform the public about District and services available
- Build public trust and become a reliable resource in the community
- Increase public recognition of Fight the Bite campaign and District 7 D's

Advertising Plan:

Paid advertising campaign utilizing a mix of elements including:

- Television commercials
- Radio commercials
- Cable TV
- Traffic and weather radio sponsorships
- Social media outreach via Facebook, Twitter, Instagram
- Outdoor bus and billboard ads
- Digital web ads served by zip code
- Print ads

Advertising Strategy:

The 2018 advertising campaign will incorporate a mix of these elements including the use of television, radio, print and social media to disseminate District messages. Messages will focus on the importance of controlling mosquitoes, personal protection and awareness of West Nile virus. We can also include messaging relating to invasive

mosquito species and the importance of being prepared or on the lookout for these types of mosquitoes.

Television, both traditional and cable will be the strongest source of advertising. Radio ads will also be a key element of the campaign specifically traffic and weather sponsorships. The television and radio spots will be in English, Spanish, and Russian. Our messages will also be distributed on Crossings KBTV, a local station that specifically targets the Asian and other ethnic communities.

Due to the increase in digital media and everyone accessing news and entertainment on their electronic devices and smart phones, we will continue to implement our social media campaign utilizing Facebook, Twitter and Instagram. We will concentrate on increasing the number of fans using Facebook Ads, engaging with the public, as well as posting timely, relevant, interesting, and shareable content that will increase our exposure to the online community giving the District higher visibility.

We will debut some of the advertising during Mosquito Awareness Week in April to kick off the season. Advertising will be light through the end May until the Memorial Day holiday when people are enjoying the outdoors and messages will focus on the use of repellent for personal protection.

Beginning in June when the weather starts to get warm and we begin to see virus activity, the advertising will also be increased to obtain more public awareness. Television and radio commercial schedules will be negotiated to obtain good frequency and reach to ensure our messages are received by a wide audience.

July and August are the hottest months and when virus activity peaks. These will be the heaviest advertising months with our messages airing consistently across all platforms to ensure that key messages will reach the communities we serve especially around the Fourth of July holiday, National Night Out and through Labor Day.

As part of our paid advertising buy, we will obtain free public service announcements and the opportunity to appear in various public affairs shows hosted by the different stations where we will also be able to disseminate our District messages. Media partners will also distribute our materials and repellent as part of their on-going promotions and events.

The paid advertising buy will be supported by press releases and the free news coverage they generate.

Recommendation:

Approve the 2018 Advertising Plan not to exceed \$260,000

Sacramento-Yolo Mosquito and Vector Control District

February 20, 2018 Board Meeting

5. **Closed Session- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6-Labor Negotiations)**
Agency Designated Representatives : [Gary Goodman, Janna McLeod, Samer Elkashef, Chris Voight]
Employee Organization: [Operating Engineers Local Union #3]

