

# BOARD OF TRUSTEES ADVANCE PLANNING COMMITTEE \*\*MONDAY, MAY 4, 2020\*\*

# 6:00 PM To be held via teleconference only – see below

# IMPORTANT NOTICE REGARDING COVID-19 AND TELECONFERENCE MEETINGS:

Pursuant to Governor's Executive Orders N-25-20, N-29-20, and N-33-20 and the Contra Costa County Public Health Officer Order No. HO-COVID19-03, and guidance from the CDC to minimize the spread of the coronavirus, please note the following changes to the District's ordinary meeting procedures:

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

#### HOW TO OBSERVE THE MEETING

**Telephone**: Listen to the meeting live by calling (669) 900-9128 and entering the **PASSWORD**: 223281 for MEETING ID: 541 865 3851

**Computer or mobile**: Watch or listen to the meeting from a computer with internet access by navigating to <a href="https://zoom.us/j/5418653851?pwd=eWhGSE9mMll3ZzkxVEd6em9lb1dlZz09">https://zoom.us/j/5418653851?pwd=eWhGSE9mMll3ZzkxVEd6em9lb1dlZz09</a>
NOTE: This is a public meeting that can be seen and heard live by any member of the public.

#### HOW TO SUBMIT PUBLIC COMMENTS

Please email your comments to <a href="mailto:pmacedo@contracostamosquito.com">pmacedo@contracostamosquito.com</a>, write "Public Comment" in the subject line. In the body of the email, include the agenda item number AND title, as well as your comments. Comments may be made at any time prior to the meeting, or as follows. During the meeting, the Committee Chair or designee will announce the opportunity to make public comments and identify the cut off time for submission. A short recess of less than 5 minutes will take place during the time public comment is open to allow emailed comments to be received and provided to the Chair. Once the public comment period is closed, all comments timely received will be read aloud. Comments received after the close of the public comment period will be added to the record after the meeting.

Protecting Public Health Since 1927

#### ACCESSIBILITY INFORMATION

Board meetings are accessible to people with disabilities and others who need assistance. Individuals who need special assistance or a disability-related modification or accommodation (including auxiliary aids or services) to observe and/or participate in this meeting and access meeting-related materials should contact Paula Macedo, General Manager, at least 48 hours before the meeting at (925) 457-8464 or <a href="macedo@contracostamosquito.com">pmacedo@contracostamosquito.com</a>. Advance notification will enable the District to swiftly resolve such requests to ensure accessibility.

#### **AGENDA**

#### CALL TO ORDER:

Roll Call Pledge of Allegiance

## 1. PUBLIC INPUT ON NON AGENDA ITEMS

This time is reserved for members of the public to address the Board relative to matters of the District NOT on the agenda. No action may be taken on non-agenda items unless authorized by law. Public comments may be submitted as specified above.

- 2. <u>APPROVAL OF MINUTES FROM ADVANCE PLANNING COMMITTEE</u> MEETINGS HELD ON APRIL 8, 2019 AND AUGUST 22, 2019
- 3. DISCUSSION OF EMERGENCY AND CONTINUITY PLANNING
- 4. FIVE-YEAR PLAN 2016-2020
- 5. DISCUSSION OF FORMAT FOR 2021- 2025 FIVE-YEAR PLAN
- 6. BOARD AND GENERAL MANAGER ANNOUNCEMENTS
- 7. ADJOURNMENT

I hereby certify that the District Board of Trustee Agenda was posted 6 days, before the noted meeting.

	4/28/2020	
Natalie Martini, Administrative Analyst II	Date	

The Contra Costa Mosquito & Vector Control District will provide reasonable accommodations for persons with disabilities planning to attend CCMVCD meetings who contact Natalie Martini at least 24 hours before the meeting, at (925) 771-6100. Agenda materials are available to the public for inspection at no charge during business hours at our administrative office located at 155 Mason Circle, Concord, California.

## CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT

# MAY 4, 2020 ADVANCE PLANNING COMMITTEE MEETING

- 1. No comment, see agenda
- 2. <u>APPROVAL OF MINUTES FROM ADVANCE PLANNING COMMITTEE</u>
  <u>MEETINGS HELD ON APRIL 8, 2019 AND AUGUST 22, 2019</u> (*Pages 4-7*)
- 3. <u>DISCUSSION OF EMERGENCY AND CONTINUITY PLANNING</u> As directed by the Board at the July 8, 2019 Board of Trustees meeting, the committee will continue discussing options for creating a document for emergency preparedness and continuity planning. Further discussion of mission-critical elements, emergency definitions, goals and objectives of the plan, as well as options on how to proceed and assignments of roles will take place at the committee meeting.
- 4. <u>FIVE YEAR PLAN 2016-2020</u> General Manager Macedo will provide updates on the accomplishments in 2019 as they relate to the goals of the five-year plan 2016-2020 (*Pages 8-20*).
- 5. <u>DISCUSSION OF FORMAT FOR 2021-2025 FIVE-YEAR PLAN</u> At previous meetings, the committee discussed options to changing the next 5-year plan to allow for more flexibility in updating goals and clearer reporting. Committee will discuss and give direction to General Manager Macedo regarding changes the format.
- 6-7. No comment

# ADVANCE PLANNING COMMITTEE MEETING MINUTES

An Advance Planning Committee meeting of the Board of Trustees of the Contra Costa Mosquito and Vector Control District was held on Monday, April 8, 2019, in the District Office at 155 Mason Circle, Concord, California.

TRUSTEES PRESENT Warren Clayton, Chair

Richard Ainsley Richard Means James Murray Lola Odunlami Daniel Pellegrini

TRUSTEES ABSENT Soheila Bana

Marshon Thomas

OTHERS PRESENT Paula Macedo, General Manager

Natalie Martini, Administrative Assistant

#### CALL TO ORDER

Chair Clayton called the meeting to order at 6:02 p.m.

#### ROLL CALL

A roll call indicated that 6 Trustees were present, and two were absent.

- 1. PUBLIC INPUT ON NON AGENDA ITEMS None.
- 2. <u>APPROVAL OF MINUTES FROM ADVANCE PLANNING COMMITTEE</u> MEETING HELD ON APRIL 16, 2018
- \*\* Motion was made by Trustee Pellegrini and seconded by Trustee Murray to approve the minutes from the Advance Planning Committee meeting held on April 16, 2018.
- 3. <u>DISCUSSION OF FORMAT CHANGES TO FUTURE FIVE-YEAR PLANS</u> General Manager Macedo proposed to restructure the future five-year plans to better allow for changing goals and clearer reports. It was suggested that the committee continues to use the adopted format for the remainder of the current five-year plan (2020). Discussion ensued. The committee asked General Manager Macedo to start working on a new format to be presented to the committee in the end of the year for discussion. The new format would work like a working document looking at the future five years ahead from the current year. It was also suggested that the committee should move the meeting to December, when the future annual goals would be discussed ahead of time to allow more

time for budget justifications and any other committee meetings needed before a final recommendation can be presented for the new fiscal year.

- 4. <u>FIVE YEAR PLAN 2016-2020</u> General Manager Macedo reported on the progress of District goals and objectives to date according to the previously approved 5-year plan. In addition, the committee discussed the General Manager's concept for restructuring the District's Safety committee and the Programmatic EIR compliance checklist.
- 5. <u>BOARD AND STAFF ANNOUNCEMENTS</u> None
- 6. <u>ADJOURNMENT</u> 7:25 p.m.

I certify the above minutes were approved as read or corrected at a special meeting of the Advance Planning Committee held on May 4, 2020.

Robert Lucacher, 2020 Chair Advance Planning Committee

# ADVANCE PLANNING COMMITTEE MEETING MINUTES

An Advance Planning Committee special meeting of the Board of Trustees of the Contra Costa Mosquito and Vector Control District was held on Monday, August 22, 2019, in the District Office at 155 Mason Circle, Concord, California.

TRUSTEES PRESENT Warren Clayton, Chair

Richard Ainsley Soheila Bana Richard Means James Murray Lola Odunlami Daniel Pellegrini

TRUSTEES ABSENT Marshon Thomas

OTHERS PRESENT Paula Macedo, General Manager

Maria Bagley, Administrative Services Manager Michael Krieg, Board of Trustee President

# CALL TO ORDER

Chair Clayton called the meeting to order at 6:00 p.m.

#### ROLL CALL

A roll call indicated that seven Trustees were present, one was absent.

- 1. <u>PUBLIC INPUT ON NON AGENDA ITEMS</u> None
- 2. <u>DISCUSSION OF EMERGENCY PREPAREDNESS PLAN</u> The committee started the discussion of an Emergency Preparedness Plan and considered the definition of emergency, as to include conditions such as fire, severe storm, riot, hazardous materials releases, earthquake, power outages, water supply contamination, mass shootings, airplane crashes, hurricane, flood, and other conditions. Discussion followed on how those threats could have an impact on District's operations. General Manager Macedo presented the District's current Emergency Action Plan, signed by previous General Manager Downs. The committee asked the General Manager to identify mission-critical services for continuity of operations prior to the next committee meeting, to be held on December 9, 2019.
- 3. <u>DISCUSSION OF FORMAT FOR 2021-2025 FIVE YEAR PLAN</u> The committee briefly discussed their recommendations from the previous meeting regarding a new format for the next 5-year plan.
- 4. BOARD AND GENERAL MANAGER ANNOUNCEMENTS None

I certify the above minutes were approved as read or corrected at a meeting of the Advance Planning Committee held on May 4, 2020.

Robert Lucacher, 2020 Chair Advance Planning Committee

#### Excerpted from CCMVCD Five Year Plan 2016 - 2020.

### **Goals and Objectives**

The District intends to continue to improve its overall public health service delivery. Program priorities could change over the next five years with the spread and arrival of new vectors or diseases, or changing economic conditions. It is intended that all programs and services will continue to be flexible to meet ongoing and future demands.

# i. Operations

The current workforce for adequate public protection from diseases such as West Nile virus is being tested. Mainly due to new legislation, more and more obstacles are being implemented by other governmental agencies every year. The use of seasonal help supplementing the current full-time workforce may prove adequate. Continued pressure by introductions of new mosquito vectors or mosquito-borne diseases may require increased revenues. Although rodent service requests remain level, the desire to increase proactive control measures remains. Skunk service requests have stabilized. The program emphasizes that the property owner employs exclusion methods and only in limited situations are trapping services offered. Yellowjacket requests are variable year to year but are efficiently handled by seasonal help with periodic assistance by full-time field employees.

The District's marshland source reduction program has been limited in recent years due to the enormous liability and regulations on contaminated soils along the northern county waterfront. Source reduction projects in the future will be the landowner's responsibility.

It remains to be seen if the Africanized Honey Bee will establish in the county. Similar to other areas of the country, the local fire departments should provide emergency response to swarm complaints. The District would respond to non-emergency swarm and nest complaints in a fashion similar to the yellowjacket nest response. Nevertheless, there will be some impact to existing personnel because this would still require field coordination and supervisory oversight.

Any increases to field personnel translates into an increased workload to the maintenance program. Although current maintenance personnel are capable of absorbing some additional work, there may be a need for seasonal help in the future.

#### **Specific Goals and Objectives - Operations:**

• Continue to enhance the Integrated Mosquito and Vector Management Program (IMVMP) to prevent/reduce current and introduced vectors and vector-borne diseases.

2016, 2017 - Ongoing.

- 2018 The District continues to use Integrated Vector Management (IVM) practices to prevent and/or reduce vectors.
- 2019 The District continues to use Integrated Vector Management (IVM) practices to prevent and/or reduce vectors. The District has participated in meetings and additional training to learn more about strategies that have proven effective in the case we find invasive Aedes mosquitoes in Contra Costa County.
- Enhance collaboration with governmental agencies on planning and maintenance.
  - 2016 Recruitment/Hiring of position, Vector Control Planner, in progress.
  - 2017 Vector Control Planner hired. Accomplishments include coordinating maintenance or repair projects with multiple agencies to reduce vector sources, including Contra Costa County Public Works, City of Concord, Delta Diablo, City of Pittsburg, Dublin San Ramon Services District, and private landowners. In addition, the vector control planner has met with municipal planning departments and associated entities to establish or modify project notifications for the District, and has provided feedback and comments on projects as needed.
  - 2018 Vector Control Planner has continued to reach out and coordinate projects with various outside agencies. He has started conversations about the importance of involving the District when planning projects and has attempted to introduce language that includes mosquito preventive and/or control measures on projects by other agencies or their collaborations.
  - 2019 Vector Control Planner has continued to coordinate projects with various outside agencies.
- Strive to enhance roof rat surveillance and education programs.
  - 2016 Addition of canvassing/public education element in evaluation. A pilot program conducted in 2015 proved to be well received by public/media and is being monitored for short/long term success.
  - 2017 Implementation of canvassing and increase in public education continue to be evaluated.
  - 2018 The rodent Program Supervisor has retired unexpectedly and recruitment/hiring is ongoing for that position. Rat surveillance and public education continued to be carried on by technicians in the program. New supervisor will be evaluating the program.
  - 2019 A new Program Supervisor was hired in April of 2019. Rodent programs continue to be evaluated and improvements are being implemented to rodent

baiting strategies as well as updating the rodent literature handouts. Surveillance and education were enhanced in areas that are prone to rodent activity.

Evaluate new vector control methods.

2016 - Ongoing. Supervisory/scientific staff recently attended a workshop hosted by the District on a new spray application method for treating cryptic breeding sources of invasive Aedes species, albopictus and aegypti.

2017 - Ongoing. Federal funding has been obtained for implementation of invasive species surveillance.

2018 – The new Operations Manager was hired in 2018, and he has attended conferences/meetings and has started to visit other mosquito control districts. New ideas and potential new control methods will be evaluated in 2019.

2019 – The position of Operations Manager was vacant again in 2019, as the newly (2018) hired manager left in July 2019. Program supervisors have continued to evaluate their programs and have conducted training of technicians as needed on control methods.

• Continue evaluation of native fishes and other promising biological control methods.

2016 - The District is continuing its research on California native fish species. We are currently working with California roach (Lavinia symmetricus) and Sacramento Hitch (Lavinia exilicauda exilicauda). Other species that we plan to conduct research on are the Hardhead (Mylopharodon conocephalus) and Splittail (Pogonichthys macrolepidotus). We are in talks with California Fish and Wildlife to get a permit to stock these native in public waters.

2017 - The District is continuing its research on California native fish species. We continue to rear the California roach (Lavinia symmetricus) and have initiated research on the Hardhead (Mylopharodon conocephalus). We have obtained individuals that will be of breeding age in Spring of 2018. We continue the talks with California Department of Fish and Wildlife regarding permits to stock native fish species in Contra Costa County. Recommendations have gone to committee and specific conditions will be outlined in 2018.

2018 – The District has continued to explore the potential of native species to replace or augment mosquitofish in various sites. The District continued to work with the California Roach (Lavinia symmetricus), Sacramento Splittail (Pogonichthys macrolepidotus), and Hardhead (Mylopharodon conocephalus). In 2018 the District stocked the California Roach in non-maintained swimming pools and private ponds for the control of mosquito larvae. There are still restrictions in place by the California Department of Fish & Wildlife (CDFW) that do not allow the District to stock them in public waters of Contra Costa

County. The District continued to work with CDFW to get permits to stock this species as well as other California native fish where appropriate.

2019 – Like in the previous years, the District has continued to explore the potential of native fishes like the Sacramento perch (Archoplites interruptus), the California roach (Lavinia symmetricus), and the Sacramento hitch (Lavinia exilicauda exilicauda), to replace or augment mosquitofish and other aquatic mosquito predators.

#### ii. Technical

The existing entomology program can support current vector programs. It may become necessary to increase our disease surveillance capabilities due to new or existing vector-borne diseases and vectors. The District will continue to develop interagency projects in an effort to develop a better understanding of where mosquitoes come from and how they move and disperse. This may lead to regional control capabilities in the event of large-scale disease presence. This regional principle will also apply to other program collaborations. If the District expands surveillance and in-house testing for other diseases such as plague, Hantavirus, and rabies, or other regional projects of value, additional personnel, equipment and facilities will be required.

The District's mosquitofish program continues at full capacity. Fish will continue to be made available to agencies within our region. The program continues to receive annual certification by the Department of Fish & Wildlife (CDFW), in compliance with their regulations that prohibit the stocking of diseased fish. The District presently is working on cooperative projects with the CDFW on culturing native mosquito-eating fishes for stocking for mosquito control. Additionally, an albino mosquitofish strain that shows some retail and research potential has been created and will be maintained.

#### **Specific Goals and Objectives - Technical:**

• Enhance Geographical Information System (GIS) technology to improve analysis of vector and disease distribution and human risk.

2016 - Our current GIS system has seen limited use due to being available on only two workstations (both in the Lab) and only having one employee fully trained in its use. The district is currently evaluating several new map-based database systems which would fully integrate both GIS mapping and field data collection and make this data available to all employees in the field using mobile devices (IPad, tablet e.g.) on a real-time or near real-time basis (see 'mobile data entry solution' below).

2017 - Our current GIS system continues to have limited use mostly due to having only one employee fully trained in its use. The District has contracted with Digital Maps to provide a map-based database system which integrates both GIS

mapping and field data collection and make this data available to all employees in the field using mobile devices (iPads and iPhones) on a real-time basis.

- 2018 We continued to work with Digital Maps to develop an operations software that suits our needs. The software/database is currently being tested by our technicians and will go live in May 2019.
- 2019 The operations software development through Digital Maps did not work out and the District is now working with Leading Edge. Current plans are to go live in the Fall of 2020.
- Stay abreast of new surveillance and control technologies, such as unmanned aerial vehicles (UAVs), Auto-Dissemination Augmented by Males (ADAM), sterile insect technique (SIT) and other inundative releases.
  - 2016 We continue to stay current on these technologies through workshops and publications. At present some of these technologies are still in the experimental stage and/or not available for species currently present in our area.
  - 2017 We continue to stay current on these technologies through workshops and publications. We have purchased a UAV and are in the process of developing guidelines for its use. One employee has been through the certification program to operate the UAV and he is working on developing the program.
  - 2018 We have developed policies and procedures for use of the UAV and they have been approved by the Board. We have used the UAV in 2018 for surveillance purposes and are investigating the technology for use for control once it is approved for that purpose. We have stayed current on new technologies through attendance at meetings and conferences.
  - 2019 UAVs are now approved for application of control treatments and the District is looking into how we can incorporate that into the existing UAV program. Our employees have been attending trainings on other application technologies that can be added to our programs.
- Continue to access pesticide resistance in the county. The frequency of the kdr gene (now present in the county) in mosquito field populations correlates to future pyrethroid resistance.
  - 2016 We are currently incorporating alternative adulticides (e.g. Zenivex) into our program, which should reduce or at least delay the development of resistance.
  - 2017 We are evaluating the addition of resistance testing in our program in order to evaluate the resistance profiles of the mosquito populations in Contra Costa County. The lab will be rearing mosquitoes again and will be trained at neighboring Districts to test for pesticide resistance.

2018 – The lab is planning to start rearing mosquitoes in the insectary again in 2019 and has registered for training on resistance testing to renew their skills in that subject.

2019 – The District laboratory has reinitiated a Culex tarsalis colony and has started testing mosquito populations from our county for resistance to pesticides.

• Expand in-house testing for arboviruses as new rapid test kits are developed.

2016 - Our current testing capabilities are adequate; we continue to coordinate with the University of California (UC) for testing of new or emerging pathogens.

2017 - We are currently coordinating with the University of California for testing of mosquitoes, birds and chickens. We will continue to look for new rapid test kits that can be incorporated into our program and can be conducted in-house.

2018 – Mosquito, dead bird and chicken samples continue to be tested by Davis Arbovirus Research and Training (DART) at UC Davis. In-house rapid tests kits have been discontinued because the California Department of Public Health does not currently accept results from those tests. If those become available in the future, we will evaluate them for use in our programs.

2019 – Ongoing. Testing currently performed the same way as described above for 2018.

• Look into a mobility data entry solution. The project should determine if we can use electronic portable devices to replace desktop computers. It might overhaul the entire inhouse data system (VXS). Electronic data collection can save time by eliminating transfer data between paper and database, decreasing access time to data and information. Also, data can be scrutinized real time to ensure data accuracy. In addition, we can consolidate multiple devices (geographical positioning system (GPS)/personal computer (PC)/phone) and simplify our operation process.

2016 - Evaluation of several commercially available mobile systems is currently in progress. District Operations and Technical staff is working with the vendors to assess how well the available software fits, or can be customized to suit our specific needs and procedures, and to test the practicality of field data entry devices.

2017 - We have contracted with Digital Map Products and they have developed a map-based, real-time data system for our District. Employees will use an iPad and iPhone for data entry in the field and to generate reports. Digital Maps engineers are working closely with our technicians and are customizing the product to our needs. They are currently training staff and the product should go live in the coming month.

2018 – We continued to work with Digital Maps as outlined above. Product development took longer than expected to ensure the final product suited our needs. The software/database is currently in the last phase of evaluation and it is being tested by our technicians in the field, with a live date set for May 2019.

2019 – The operations software development through Digital Maps did not work out and the District is now working with Leading Edge. Current plans are to go live in the Fall of 2020.

#### iii. Public Relations & Outreach

The public affairs department is staffed with three employees and is strategically structured to handle all communication, including emergency communication. All staff is cross-trained in each other's duties and each maintains a protocol binder specific to their duties and roles.

Strategically, the department's adequate staffing levels allow for the ebb and flow of vector control education and response needs. The most powerful communication methods of the internet, traditional media, and social media are easily utilized by current staff. Consistent research and evaluation of communication methods and constituent temperaments remain challenging, but feasible.

# Specific Goals and Objectives - Public Relations & Outreach:

• Enhance social media communication by incorporating memes (a humorous image, video, piece of text, etc. that is copied (often with slight variations) and spread rapidly by Internet users.), videos and Graphics Interchange Format (GIF) images to increase sharing and click-through rates, as well as offering preferred education methods.

2016 - The new In a Minute campaign allows for content sharing across multiple platforms: in social media on Twitter, on the website, in presentations, at events, and on Contra Costa Television which has run the videos hundreds of time. The In a Minute videos are designed to create awareness about the District's programs, services, and vector issues, as well as educate the public with the information and tools to manage their own vector issues in a creative manner. Studies show that a 1-minute video equals 1.8 million words and is more likely to be shared with others than longer, comprehensive communication in any medium.

GIFs always get a better response than static words and in one instance, a GIF resulted in the most-ever widespread sharing, "likes", and retweets for any tweet.

2017 - the Public Affairs Department produced and published 34 In a Minute Videos, which are approximately 1-minute vignettes detailing specific activities of field, laboratory, and administrative staff that can be quickly edited and posted for publication online to our website, social media, and our e-newsletters.

In addition to the In a Minute videos, the public affairs department has enhanced social media communication by using memes and GIFs on Twitter, including a campaign of 90 Facts in 90 Tweets to mark the District's 90<sup>th</sup> Anniversary.

2018 - The Public Affairs Department remains committed to enhancing social media communication through social media content and through the use of additional platforms to expand our opportunities to share important vector control information and education. In 2018, the Public Affairs Department continued to share In a Minute Videos and GIFs within articles featured in the District's Mosquito Bytes Newsletters and tweets.

2019 – The Public Affairs Department remains committed to the use of social media enhancements to digital communication vehicles. The Public Affairs Department continued to use GIFs and videos in the District's Mosquito Bytes Newsletter, on the District's Twitter account and through outreach involving articles and content the department provides to other community-based publications.

• Redesign website to ensure appropriate accessibility on notebooks and smart phones.

2016 - The new redesign ensures access by mobile users which make up nearly half of our website users: 44% use mobile devices while 56% use their desktop computers.

2017 - Completed. The new redesign ensures access by mobile users which make up nearly half of our website users: 44% use mobile devices while 56% use their desktop computers.

2018 – Goal completed in 2017. Nothing to report.

2019 – Goal completed in 2017. Nothing to report.

• Leverage the website as an engagement tool and make our site a valuable and steadfast resource.

2016 - Website engagement has increased with users' ability to access it via their mobile devices and with fresh and meaningful content such as the In a Minute videos. High website engagement to pages for spray notification, West Nile virus updates, and service requests by constituents, including media, continue to make the website our #1 communication tool.

2017 - Videos pertaining to what residents need to do in order to help our District staff better execute our services are highlighted on the District website. The website's main menu has been updated to incorporate an "I Want To..." menu option that, when clicked on, expands to reveal many of the most visited pages to allow visitors to quickly access areas of the website that are most sought after.

2018 – In an effort to provide more transparent information on the District website, we have updated the District's homepage to more prominently feature and provide direct access to Board of Trustees Meeting Agendas and Minutes.

2019 – The Public Affairs Department continued to update various aspects of the website in compliance with introduced legislature and rearranged the six image-based buttons on the homepage to provide further access to Board of Trustees Meeting Agendas and Minutes. The homepage photo rotation has been updated to quickly convey District services. The department also conducted a complete review of the District website to confirm ownership of all pictures featured on the website.

• Investigate the best technology to enhance participation and further cement us as a valuable resource.

2016 – For more than two years, the public affairs manager has exerted much effort to obtain partnership with the social media tool NextDoor. To date, our District has finally been allowed to operate under the County umbrella which is not ideal. Inclusion and set-up in the system are forthcoming and under the County's direction and time line.

2017 - Ongoing. For more than three years, the District has attempted to join the social media tool Nextdoor and remains committed to working with the county to provide important information to our public.

2018 - The Public Affairs Department continued to try to work with the social media platform Nextdoor. Renewed requests to join Nextdoor directly as a public agency were denied. We have requested and are awaiting a response from the county to allow us to provide important information through the Contra Costa County Nextdoor page.

2019 – After repeated attempts to gain county-wide access to Nextdoor, in 2019, the Public Affairs Department was successful in creating a Nextdoor Business page which allows for limited interaction. When Nextdoor posts contain the District's name, the District's Business page is notified allowing for a District response when appropriate. The Nextdoor Business page also communicates valuable information including the District's hours and services.

• Develop strategies to engage residents in sustainable word of mouth movements.

2016 – The 2017s new advertising campaign Mosquito Control is in Your Hands is a fresh approach to empowering our constituents to take mosquito control seriously and understand that they have a role in mosquito control. This approach abandons the "tell our constituents what to do", such as dump water, maintain pools, etc., and instead puts the onus on them in a partnership manner.

Mosquito control is in Your hands graphically illustrates the word you and our-YOUR-a partnership in which we are all responsible.

2017 - The advertising campaign Mosquito Control is in Your Hands utilized in 2017 was very successful. In addition to that message, the District is working on an Invasive Species Campaign, Fight the New Bite, which will be used in brochures, internet banner advertising, digital logo touting, and a banner to be displayed at public events.

2018 – The advertising campaign Fight the NEW Bite involved increased outreach not only through District channels like our website, e-newsletters, presentations and events, but also through partnerships with cities across Contra Costa County that shared this invasive mosquito species campaign through their own websites and social media.

2019 –The Public Affairs Department conducted seasonal advertising focusing on mosquitoes in the summer months and, for the first time, added rat and mouse-specific advertising in the fall and winter. The "Got Rats?" campaign involved Internet advertising that appeared when Contra Costa County residents entered key words during Internet searches. The Internet Banner Ads provided a direct link with a unique URL that allowed the District to track the number of visits to the District website as a result of the advertising campaign.

#### iv. Administration

The District continues to make administrative improvements through technological changes, and will continue to do so. The need for accurate data by regulatory agencies, the desire for instant information by the public, the additional administrative overhead generated by collaborating with cities on administrative citations and swimming pool surveillance has put an additional workload on the front office.

### **Specific Goals and Objectives - Administration:**

• Incorporate GIS into data collection and information expression.

2016 - Evaluation of several commercially available mobile systems is currently in progress. District Operations and Technical staff is working with the vendors to assess how well the available software fits, or can be customized to suit our specific needs and procedures, and to test the practicality of field data entry devices.

2017 - The contract with Digital Maps and the final product will be customized to our needs and has a component for use by the front office for data entry. The company has worked closely with front office staff to ensure that it will suit their needs.

2018 – We have worked with Digital Maps on the development of the new operations software as mentioned above. One of the facets of the new software is the integration of the initial data entered by front office personnel for a service requested by the public with the operations part of the software, which was designed to allow access to parcel information and is easy to use and saves staff time. Software is in the final stages of testing and will go live in May 2019.

2019 – The District is currently working with MapVision, a software developed by Leading Edge, which will enable the integration of the initial data entered by front office personnel for a service requested by the public, with the operations part of the software, which was designed to allow access to parcel information and is easy to use and saves staff time. Expected date to go live is Fall 2020.

• Make surveillance and control information available to public (web-based).

2016 – Nothing to report.

2017 - Current virus activity and spraying information are available in our website.

2018 - Virus activity and spraying information continued to be available in our website. Additional limited surveillance data may now be viewed through calsurv.org for the state.

2019 – Information continues to be available to the public in our website. Virus activity and spraying information can be found in our homepage. Additional surveillance data may be viewed through calsurv.org for the state.

• Enhance collaboration with governmental agencies on enforcement activities.

2016 – Recruitment/Hiring of position, Vector Control Planner, in progress.

2017 - Newly hired Vector Control Planner has worked with multiple agencies such as Contra Costa County Public Works, City of Concord, Delta Diablo, City of Pittsburg, Dublin San Ramon Services District, as well as municipal planning departments and associated entities, and various code enforcement divisions.

2018 – Vector Control Planner and Operations Manager are working on a revised swimming pool program and new procedures for enforcing and securing access for inspections and treatments of potential sources. We continue to communicate with code enforcement regarding issues that need attention and how we could work together to resolve them.

2019 – The District has revised protocols for enforcing and securing access to potential sources and has worked with legal counsel to update warrant documents for abatement procedures.

#### v. Facilities

The present facility was expanded in 1999 to accommodate anticipated growth. Currently, we are not at capacity and can handle a few additional staff. The Brentwood substation continues to be leased to a private party.

## **Specific Goals and Objectives - Facilities:**

• Continue to assess and maintain facilities and equipment. No additional facilities or additions are projected.

2016 - Nothing to report.

2017 - Nothing to report.

2018 – Facilities and equipment needs continue to be assessed as needed. The current layout for the front area inside of the building, where staff interacts with members of the public, has been subject of discussion this year and staff is looking into ways to improve security, which may translate into a change in the design for the front office in 2019-2020. In addition, the settling/shifting ground beneath our building has been causing cracks on the floors and walls, and has also caused windows to leak and front door issues.

2019 – Facilities have been assessed and various deficiencies that will need to be addressed in the coming years were identified, such as:

- Lack of security overall
- Lack of separate front lobby area where public would not have access to the rest of the building without proper authorization
- Cement/pavement cracking due to shifting
- Large cracks in the building due to shifting
- Windows leaking due to shifting
- AC/heat units reaching end of life
- Ductwork needed
- Lack of secure parking garage for trucks and equipment
- Lack of gate preventing access to restricted areas
- Additions needed, such as a break room, additional workspaces/offices, emergency exit for tech room
- Catch up on a vehicle and equipment replacement schedule (delayed due to reduced revenues the past few years).

- 2016-Purchased four new trucks, new ULV truck mounted sprayer, and new Argo all-terrain vehicle.
- 2017 Purchased three new trucks, one Honda side-by-side, and one ATV trailer.
- 2018 Purchased two new trucks.
- 2019 Purchased two new trucks.