



Coachella Valley Mosquito
and
Vector Control District

43420 Trader Place
Indio, CA 92201
Phone (760) 342-8287
www.cvmosquito.org

Board of Trustees Meeting

Tuesday, March 10, 2020

6:00 p.m.

AGENDA

Assistance for those with disabilities: If you have a disability and need accommodation to participate in the meeting, please call the Clerk of the Board at (760) 342-8287 for assistance so the necessary arrangements can be made.

1. **Call to Order** – Franz De Klotz, President
2. **Pledge of Allegiance**
3. **Roll Call**
4. **Motion to Excuse Absences**
5. **Confirmation of Agenda**
6. **Public Comments**

Those wishing to address the Board should complete a Public Comment Card and provide it to the Clerk of the Board.

A. **PUBLIC Comments — AGENDA ITEMS:** Persons wishing to address the Board on agenda items are requested to do so at this time. When addressing the Board, please come to the podium and give your name and address for the record. In order to conduct a timely meeting, a three-minute time limit per person per item has been established.

B. **PUBLIC Comments — NON-AGENDA ITEMS:** Persons wishing to address the Board on items not appearing on the agenda are requested to do so at this time. When addressing the Board, please come to the podium and give your name and address for

the record. In order to conduct a timely meeting, a three-minute time limit per person has been established. California Government Code Section 54950 prohibits the Executive Committee from taking action on a specific item until it appears on the agenda.

7. Presentations

- A. 2020 Environmental Reports – **Jennifer A. Henke, M.S., Laboratory Manager**
- B. General Manager’s Report – **Jeremy Wittie, M.S., General Manager**

8. Board Reports

- A. President’s Report – **Franz De Klotz, President**
 - Executive Committee oral report and minutes for March 2, 2020 **(Pg. 6)**
- B. Finance Committee – **Clive Weightman, Treasurer**
 - Finance Committee oral report and minutes for February 11, 2020 **(Pg. 8)**

C. Items of General Consent

The following items are routine in nature and may be approved by one blanket motion upon unanimous consent. Any member of the Board or the public may request an item be pulled from Items of General Consent for separate discussion.

- A. Minutes for February 11, 2020, Board Meeting **(Pg. 12)**
- B. Correspondence **(Pg. 17)**
- C. Approval of expenditures for February 12, 2020 to March 10, 2020 and Financial Reports **(Pg. 21)**
- D. Approval of Proclamation designating the week of April 19-25, 2020, as Mosquito Awareness Week – **Tammy Gordon, Public Information Officer (Pg. 22)**
- E. Informational Items:
 - District Travel **(Pg. 24)**
 - Board Business Log **(Pg. 25)**
 - National Pollutant Discharge Elimination System (NPDES) Annual Report – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 26)**
 - EPA Pesticide Environmental Stewardship Program (PESP) – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 30)**
 - California Environmental Quality Act (CEQA) Mitigated Negative Declaration Annual Compliance Report – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 40)**

- Important Budget Meeting Dates, **Finance Committee (Pg. 50)**
- Riverside Local Agency Formation Commission Eastern Area – **Franz De Klotz, President of the Board (Pg. 51)**

Staff Reports:

- Mosquito and Vector Control Association of California Spring and Legislative Day Meeting – **Jeremy Wittie, M.S., General Manager (Pg. 56)**
 - Vector Control Joint Powers Agency Annual Workshop – **Clive Weightman, Treasurer and Jeremy Wittie, M.S., General Manager (Pg. 67)**
 - Pacific Southwest Center of Excellence in Vector-Borne Diseases Annual Progress and Planning Meeting – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 70)**
 - Co-Innovating Solutions for Container Mosquito Control A WALs Summit – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 71)**
 - Quarterly Department Reports and Goals for Calendar Year 2020 – **Department Managers (Pg. 72)**
- F. Approval for one additional staff member to attend the American Mosquito Control Association (AMCA) Annual Conference in Portland, OR in an amount not to exceed \$2,000 from Fund 7600.01.500.027 – Professional Development *Not Budgeted; Funds available* – **Roberta Dieckmann, Interim Operations Manager (Pg. 102)**

10. Old Business

None.

11. New Business

- A. Discussion and/or approval of Resolution 2020-03 and Resolution 2020-04 to close demand deposit accounts with First Foundation Bank and open demand deposit accounts with California Bank & Trust – **David I' Anson, Administrative Finance Manager (Pg. 104)**

12. Closed Session Public Comments

Persons wishing to address the Board on closed session items are requested to do so at this time. When addressing the Board, please come to the podium and give your name and address for the record. In order to conduct a timely meeting, a three-minute time limit per person per item has been established.

- 13. Closed Session:** Conference with Labor Negotiators pursuant to Government Code Section 54957.6

Agency Designated Representatives: *Lena D. Wade, Anita Jones and David I' Anson.*

Employee Organizations: California School Employees Association and Teamsters Local 911.

B. **Closed Session:** Conference with legal counsel regarding threatened litigation pursuant to Government Code section 54956.9(d)(1)(3) and/or (4).

13. Trustee Comments, Requests for Future Agendas Items, Travel, and/ or Staff Actions

The Board may not legally take action on any item presented at this time other than to direct staff to investigate a complaint or place an item on a future agenda unless (1) by a majority vote, the Board determines that an emergency situation exists, as defined by Government Code Section 54956.5, or (2) by a two-thirds vote, the board determines that the need for action arose subsequent to the agenda being posted as required by Government Code Section 54954.2(a). Each presentation is limited to no more than three minutes.

14. Adjournment

At the discretion of the Board, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board. All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 43420 Trader Place, Indio, California.

Certification of Posting

I certify that on March 6, 2020, I posted a copy of the foregoing agenda near the regular meeting place of the Board of Trustees of the Coachella Valley Mosquito & Vector Control District and on the District's website, said time being at least 72 hours in advance of the meeting of the Board of Trustees (Government Code Section 54954.2)

Executed at Indio, California, on March 6, 2020.

Graciela Morales, Clerk of the Board

SECTION
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BOARD REPORTS

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Executive Committee Meeting Minutes

TIME: 9:00 a.m. Monday, March 2, 2020

LOCATION: 43420 Trader Place, Indio, CA 92201

TRUSTEES PRESENT:

County at Large Franz De Klotz Palm Desert Doug Walker
Indian Wells Clive Weightman

ABSENT: La Quinta Doug Hassett

OTHERS PRESENT:

David I' Anson, Administrative Finance Manager
Graciela Morales, Clerk of the Board

1. Call to Order: *President De Klotz called the meeting to order at 9:00 a.m.*

2. Roll Call: *Roll call indicated three (3) committee members out of four (4) were present.*

3. Confirmation of Agenda: *On motion from Trustee Weightman, seconded by Trustee Walker, the agenda was approved as presented.*

Ayes: President De Klotz, Trustees Walker and Weightman.

Noes: None.

Abstained: None.

Absent: Trustee Doug Hassett.

4. Public Comments (including closed session comments): *None*

5. Review of March 10, 2020 Board Meeting Draft Agenda

The draft March Board meeting agenda was reviewed by the Committee. Changes to the agenda and discussions included moving General Consent Item 9D - Discussion and/or approval to change banking services with California Bank & Trust to Item of New Business; adding a closed session item; limitation of staff presentations to five minutes each; reducing the overall Board meeting time to no more than two hours; staff to record videos and post to the District's website

in the lieu of presentations during Board meetings; and General Manager to include an update on the CVAG insurance/ MOU matter during his General Manager report.

6. Trustee/Staff Comments: *None.*

7. Confirmation of Next Meeting Date: *The next Executive Committee Meeting was scheduled for Friday, May 1, 2020, at 12:00 p.m.*

8. Adjournment: *The meeting was adjourned by President De Klotz at 9:26 a.m.*

DRAFT

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

**Finance Committee Meeting
Minutes**

TIME: 4:30 p.m. **DATE:** February 11, 2020

LOCATION: 43420 Trader Place, Indio, CA 92201

TRUSTEES PRESENT:

County at Large Bito Larson
Indian Wells Clive Weightman

TRUSTEES ABSENT: Rancho Mirage Isaiah Hagerman

STAFF PRESENT:

Jeremy Wittie, General Manager
David l'Anson, Administrative Finance Manager
Graciela Morales, Executive Assistant/Clerk of the Board

1. Call to Order: *Treasurer Weightman called the meeting to order at 4:34 p.m.*

2. Roll Call: *Roll call indicated two (2) committee members out of three (3) were present.*

3. Confirmation of Agenda: *The Agenda was confirmed as presented with the exception to move Item 8 B – District Banking Services after Items of General Consent.*

Ayes: Trustees Larson and Weightman.

Noes: None.

Abstained: None.

Absent: Trustee Hagerman

4. Public Comments: *None.*

5. Items of General Consent:

Approval of Minutes from January 14, 2020 Finance Committee Meeting
The minutes were approved as presented with the exception to make a correction: Page 2, Item 10 - Trustee and/or Staff comments; Mr. Weightman's last name was misspelled.

Ayes: Trustees Larson and Weightman.

Noes: None.

Abstained: None.

Absent: Trustee Hagerman.

8. New Business

B. District Banking Services

Leonard Macias, Senior Relationship Manager and Nicholas Thompson, Desert Area Manager of California Bank & Trust (Cal B&T) shared information with the Committee regarding the various banking services they have to offer. Scott Burnett of Zions Capital Advisors (affiliated with Cal B&T Bank) also joined the meeting via teleconference. Mr. Burnett shared with the group regarding his experience in the banking industry. He is a registered investments advisor under the Securities and Exchange Commission and stated he has worked with public entities in California for many years. Mr. Burnett offered to forward his references and can provide investment options tailored to the District's needs. The Committee requested an investment proposal. Mr. David l'Anson was to forward the District's Investment Policy and current holdings portfolio to Mr. Burnett.

6. Discussion and/or Review:

A. Review of Check Report from Abila MIP for the period of January 11 2020 to February 4, 2020.
The Committee reviewed the check report and asked questions regarding a few checks and expenses. Administrative Finance Manager, David l'Anson and General Manager, Jeremy Wittie gave further explanations.

B. CalCard Charges – January 2020.

The Committee reviewed the new CalCard report and asked questions regarding specific charges. The Committee also asked questions in regards to recent charges for vehicle repairs. The Committee requested a report on vehicle accidents and insurance claims at the next Finance Committee meeting.

C. Review of January 2020 Financials and Treasurer's Report.

Financials and Treasurer's Report were reviewed.

7. Old Business: None.

8. New Business

A. Review draft Budget Calendar and confirm dates

The Committee reviewed the calendar and confirmed the dates and activities planned are descriptive of the tasks that each group shown is involved with. Treasurer Weightman asked Administrative Finance Manager, David l' Anson to give a brief overview at the Board meeting the same evening.

9. Schedule Next Meeting: *The next Finance Committee meeting was scheduled for Tuesday, March 10, 2020 at 4:30 p.m.*

10. Trustee and/or Staff Comments/Future Agenda Items: *None.*

11. Adjournment: *The meeting was adjourned by Treasurer Weightman at 5:31p.m.*

Finance Committee Action Items

1. Cardholder names will be added to CalCard report by January 2020 Finance Committee meeting – **Completed**
2. Trustees wanting to attend VCJPA workshop will notify Clerk of the Board by January 2020 Finance Committee meeting – **Completed**
3. Check with the Palm Springs Airport to find out if they waive parking fees for agencies such as ours – **Completed**
4. High travel charge for fuel pump service fee – **Completed**
5. Draft budget planning document by February meeting – **Completed**
6. Request an investment proposal and references from *Zions Capital Advisors* – **Completed**
7. Report on vehicle accidents and insurance claims – **Planned for March 11 meeting**

SECTION
9



ITEMS OF GENERAL CONSENT

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Board of Trustees Meeting Minutes

MEETING TIME: 6:00 p.m. February 11, 2020

LOCATION: 43420 Trader Place, Indio, CA 92201

TRUSTEES PRESENT:

PRESIDENT: Doug Hassett	La Quinta
VICE PRESIDENT: Franz De Klotz	County at Large
TREASURER: Clive Weightman	Indian Wells
Philip Bautista	Coachella
Bito Larson	County at Large
Gary Gardner	Desert Hot Springs
Ben Guitron	Indio
Dr. Doug Kunz	Palm Springs

TRUSTEES ABSENT:

SECRETARY: Doug Walker	Palm Desert
Sergio Espericueta	Cathedral City
Isaiah Hagerman	Rancho Mirage

STAFF AND COUNSEL PRESENT:

Jeremy Wittie, General Manager
Lena Wade, Legal Counsel, SBEMP
Anita Jones, Human Resources Manager
David l'Anson, Administrative Finance Manager
Edward Prendez, Information Technology Manager
Jennifer Henke, Laboratory Manager
Kim Hung-Lyu, Vector Ecologist
Roberta (Bobbye) Dieckmann, Interim Operations Manager
Mike Martinez, Field Supervisor
Oldembour Avalos, Field Supervisor
Rosendo Ruiz, Vector Control Technician I
Tammy Gordon, Public Information Officer

- 1. Call to Order:** *President De Klotz called the meeting to order at 6:01 p.m.*
- 2. Pledge of Allegiance:** *Trustee Gardner led the Pledge of Allegiance.*
- 3. Roll Call:** *Roll call indicated eight (8) Trustees out of eleven (11) were present.*

4. Motion to Excuse Absences

On motion from Trustee Hassett, seconded by Trustee Gardner, and passed by unanimous vote, the Board of Trustees excused the absence of Trustees Doug Walker, Sergio Espericueta and Isaiah Hagerman.

- a. Ayes: President De Klotz, Trustees Bautista, Hassett, Gardner, Guitron, Kunz, Larson, and Weightman.
- b. Noes: None.
- c. Abstained: None.
- d. Absent: Trustees Espericueta, Hagerman and Walker.

5. Confirmation of Agenda

On motion from Trustee Guitron, seconded by Trustee Hassett, and passed by unanimous vote, the Board of Trustees approved the Agenda as presented.

Ayes: President De Klotz, Trustees Bautista, Hassett, Gardner, Guitron, Kunz, Larson, and Weightman.

Noes: None.

Abstained: None.

Absent: Trustees Espericueta, Hagerman and Walker.

6. Public Comments:

Mr. Brad Anderson made public comments regarding the following Items on the agenda: Item 13B – Closed Session for District's legal counsel performance evaluation matter, he stated counsel has been dishonest; Item 10A – Minutes being recorded inefficiently; Item 10B – Correspondence no longer include comments from the public and asked Trustees to read his letters; Item 10E – Salton Sea contract renewal; and a Non-Agenda Public Comment regarding a claim he filed and his previous employment at the District.

7. Recognition

President Franz De Klotz presented a plaque to former Board President, Doug Hassett, and thanked him for his service as president during 2019.

8. Presentations

- A. General Manager's Report – Jeremy Wittie shared information regarding staff participation at the MVCAC annual meeting; highlights of the District's Annual Report (a copy was shared with

each Trustee); major goals of the District's Strategic Plan; General Manager's goals for 2020; and updates of the CV Link, Street and Thermal.

- B. Vector-Borne Disease Report – Jennifer Henke, Laboratory Manager gave a presentation focused on the 2018 Strategic Plan to identify, prioritize, and track global emerging vector-borne disease threats most likely to arrive in the Coachella Valley, and develop or implement methods locally to detect those potential emerging threats. Information shared included: types of disease tracking; key facts about dengue; local transmission of dengue in the US; key facts about Zika, and what everyone can do to help with our mission.

9. Board Reports

A. President's Report:

President De Klotz stated the Executive Committee had met previously to review the Board meeting agenda and all had gone well.

B. Finance Committee Oral Report:

Treasurer Weightman reported the Finance Committee had met prior to the Board meeting and reviewed the check report, CalCard Expenditure Journal, and financials. The expenses are 3.4% below budget, (noted some positions are vacant), Operations is over in the control products line item but may change the inventory and actual expenses method of accounting in the future. In summary, the District has about five months left in the current budget and we should be in a good position at the end of June, 2020.

10. Items of General Consent

The following items are routine in nature and may be approved by one blanket motion upon unanimous consent. Any member of the Board or the public may request an item be pulled from Items of General Consent for separate discussion.

- A. Minutes for January 14, 2020, Board Meeting
- B. Correspondence
- C. Approval of expenditures for January 15, 2020 to February 11, 2020 and Financial Reports

- D. Approval of Resolution 2020-02 Adopting Employee Pay Schedule, in conformance with California Code of Regulations, Title 2, Sections 570.5 and 571 – **Anita Jones, Human Resources Manager**
- E. Approval to renew the annual agreement with Salton Sea Aerial Services, Inc. to conduct both aerial adulticiding and larviciding aerial applications in an amount not to exceed \$1,650 per hour for daytime applications and \$1,850 per hour for nighttime applications from fund 9000.01.500.000 – Operations Contingency Budgeted; *Funds Available* – **Roberta Dieckmann, Interim Operations Manager**
- F. Approval of Travel Calendar Update and Training Opportunity for David l’Anson, Administrative Finance Manager and Bito Larson Trustee, to attend the CMTA Annual Conference in an amount not to exceed \$3,000. *Funds Available* – **David l’Anson, Administrative Finance Manager**
- G. Informational Items:
- District Travel
 - Board Business Log
 - Staff Reports:
 - Mosquito and Vector Control Association of California Conference – **Jennifer Henke, M.S., Laboratory Manager**

On motion from Trustee Guitron, seconded by Trustee Hassett, and passed by unanimous vote, the Board of Trustees approved Items of General Consent.

Ayes: President De Klotz, Trustees Bautista, Hassett, Gardner, Guitron, Kunz, Larson, and Weightman.

Noes: None.

Abstained: None.

Absent: Trustees Espericueta, Hagerman and Walker.

11. Old Business

None.

12. New Business

Discussion and review of Fiscal Year 2020-2021 Budget Calendar – **David l’Anson, Administrative Finance Manager**

Administrative Finance Manager, David l’Anson gave an overview of the budget calendar and key activities and Staff/Trustee responsibilities.

On motion from Trustee Kunz, seconded by Trustee Hagerman and passed by unanimous vote, the Board of Trustees approved Item 12.

Ayes: President De Klotz, Trustees Bautista, Hassett, Gardner, Guitron, Kunz, Larson, and Weightman.

Noes: None.

Abstained: None

Absent: Trustees Espericueta, Hagerman and Walker.

13. Closed Session Public Comments:

Refer to the minutes recorded under Item 6, Public Comments.

A. Closed Session: Conference with Labor Negotiators pursuant to Government Code Section 54957.6

Agency Designated Representatives: Lena D. Wade, Anita Jones and David l’Anson
Employee Organization: California School Employees Association and Teamsters Local 911

B. Closed Session: Public Employee Performance Evaluation pursuant to Government Code Section 54957

Title: District Legal Counsel

Upon returning from Closed Session, President Hassett announced there was no reportable action.

14. Trustee Comments, Requests for Future Agendas Items, Travel, and/ or Staff Actions

None.

15. Adjournment – President De Klotz adjourned at 8:31 p.m.

Franz De Klotz
President

Doug Walker
Secretary

February 11, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201

(888) 343-9399 - www.cvmvcd.org

Attn: Clerk of the Board and Board of Trustees

Re: Written letter to be entered in to the Public record for the scheduled CVMVCD Board of Trustees Meeting held on the date of February 11, 2020 – 6:PM Item: 10-A (Minutes for January 14, 2020 Board Meeting plus Minutes for January 30, 2020 Executive Committee Meeting)

Dear CVMVCD Board of Trustees,

Please be advised that the minutes for the January 30, 2020 CVMVCD Executive Committee Meeting have been recorded Inaccurate for portions of the Public Comments (Item: 4) that were given by speaker (Brad Anderson).

The topics/Items were combined into one grouping by the CVMVCD minutes, and as you are aware their were more then one Item being addressed by the speaker. Items should be divided into each subject (Agenda Item) that was spoken about, as the speaker had done prior to addressing the sub-committee members.

The Public comment addressing the Closed session Item (A letter was also submitted) was Inaccurate. The minutes reflected that it was said "legal counsel had sent a cease and desist letter he disagrees with". As it was illustrated in the letter No reasons were given to explain the CVMVCD legal counsel letter or to explain what its meaning was? Please correct this misguided approach to modified statements that were clearly established and understood.

Please correct the written minutes for the January 14, 2020 Board of Trustees Meeting. As your well aware of how the CVMVCD grouped all the Speaker's (Brad Anderson) Public comments together. Please separate each Public Comment to each Item of the agenda that was spoken to, as the speaker was required to do prior to addressing the CVMVCD Board of Trustees.

Thank you,

Brad Anderson | Rancho Mirage, CA.

February 11, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201

(888) 343-9399 - www.cvmvcd.org

Attn: Clerk of the Board and Board of Trustees

Re: Written letter to be entered in to the Public record for the scheduled CVMVCD Board of Trustees Meeting held on the date of February 11, 2020 – 6:PM Item: 6 -B (Public comments - Non-Agenda)

Dear CVMVCD Board of Trustees,

Please be advised that the recently changed agendaized Public comment portion of the CVMVCD meetings have been seen as a direct attempt by CVMVCD to limit the Public's participation in CVMVCD matters.

As your well aware - Items of concern that the Public wishes to address will No longer be available to be directed to the CVMVCD Board of Trustees to be reviewed. And will longer be able to have direct testimony heard during the potential board comments and or the voting on any Item.

If the CVMVCD Board of Trustees wishes to continue to limit the Public's participation in CVMVCD meetings – please direct the Current CVMVCD legal counsel and the CVMVCD Clerk of the Board to correct future agendas to reflect the Implemented administrative directed changes to Illustrate how the General Public will be allowed to approach the ruling beach of the Honorable Trustees.

Sincerely,

Brad Anderson | Rancho Mirage, CA.

February 11, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201

(888) 343-9399 - www.cvmvcd.org

Attn: Clerk of the Board and Board of Trustees

Re: Written letter to be entered in to the Public record for the scheduled CVMVCD Board of Trustees Meeting held on the date of February 11, 2020 – 6:PM Item: 10-B (Correspondences)

Dear CVMVCD Board of Trustees,

It was mentioned (written letter was submitted also) at the January 2020 CVMVCD Board of Trustees Meeting, that the CVMVCD Correspondences that were listed in the CVMVCD Board of Trustees Meeting agenda packets were suspiciously lacking any of the many previous letters and received phone calls from the Residents conveying "only" positive experiences with CVMVCD management and staff members.

It was noticed again in this month's (February 2020) that their were No letters and or received phone/emails messages of "only" positive feed-back from the community? Other than the letters submitted by Resident (Brad Anderson) and letters from the current CVMVCD Trustees of what they learned on a CVMVCD expense paid outing (Governmental Conference).

After reviewing the CVMVCD Trustees letters I was concerned of how and what Information is being released at those closed to the general public conferences that are paid for by Public resources. The Cathedral City Trustee was Impressed by a long established reporting system (CalSurv) that just Recently became another Government agency. CVMVCD Palm Springs Trustee stated misinformation with regards to Aedes aegypti Mosquitoes. And one of the CVMVCD Riverside appointed Trustees made statements with regards to liaisons to cities (I believe that's should be the city's appointed Trustees mission to bridge the gap) and there was a statement that was centered around youths (#7 of letter) I'm unsure of what was attempted to be related? And last was the CVMVCD Palm Desert Trustee letter, that Illustrate how many of the CVMVCD staff hold postions on out of the area committees and Board assignments to other organizations.

Please review how and what Public resources and the ethical retrieval of Information has been provided by the CVMVCD to be submitted to the Public.

Brad Anderson | Rancho Mirage, CA.

February 11, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201

(888) 343-9399 - www.cvmvcd.org

Attn: Clerk of the Board and Board of Trustees

Re: Written letter to be entered in to the Public record for the scheduled CVMVCD Board of Trustees Meeting held on the date of February 11, 2020 – 6:PM Item: 10-E (Renewal of Service Agreement with Salton Sea Aerial Service's, Inc.)

Dear CVMVCD Board of Trustees,

Please carefully review the renewal and or the Implementation of New contracts with any and all CVMVCD administrators having the ability to potentially Influence client's and or contractor's. This concern is based on past negative actions and provide Public testimony of the credibility of CVMVCD Supervisor (Roberta "Bobbye" Dieckmann) to be truthful and conduct CVMVCD Public business in an ethical matter.

Please be advised that their had been No prior mention at the January 30, 2020 CVMVCD Executive Committee Meeting of any contract price Increases relating to the Salton Sea Aerial Service's Contract for services. This price Increase appears to have been allowed without prior discussion by any sub-committees or Public review and not publicly listed until the February Board of Trustees Meeting agenda was released.

Being a past seasonal employee of the CVMVCD has Inlighted me of the close relationship between the now CVMVCD Supervisors and the companies that Contract service's for the CVMVCD. One such Company is the Salton Sea Aerial Service's, Inc. And the numerous times I was Instructed to accompanied my then assigned CVMVCD Technician (Michael Martinez) to the private home of that company's owner for purely non- CVMVCD business during working hours.

Please consider the malfunctioning equipment that caused a hard drop (potential unreported accident) of the proposed contract company's helicopter this past year (2019) in the area of Palm Springs, CA. That cause a delay in the "Needed" Insecticide area-wide treatment. And of course the hazardous condition that could have been devastating if conditions were arranged differently.

Please consider the Public good (Public Resources) over the status-quo relationships and the potential Inflated financial gouging of service Contracts for Public Health related Issues. (Ethical standards)

Brad Anderson | Rancho Mirage, CA.

Coachella Valley Mosquito and Vector Control District

Checks Issued for the Period of:

February 7 - March 5, 2020

Check No	Payable To	Description	Check Amount	Total Amount
	Payroll Disbursement	February 7, 2020	182,324.88	
	Payroll Disbursement	February 21, 2020	189,455.80	
				371,780.68
Pre-Approved Expenditures Utilities/Benefits:				
42820	CalPERS - Retirement Acct	Retirement Contributions Classic & PEPRA 1/19-2/1/2020	25,682.19	
42821	ICMA Retirement Trust	457 Plan Contributions 2/1/2020	9,420.23	
42844	CalPERS Healthcare Acct	Healthcare Contribution 3/2020	75,445.79	
42845	CalPERS - Retirement Acct	Retirement Contributions Classic & PEPRA 2/2-2/15/2020	25,715.91	
42846	ICMA Retirement Trust	457 Plan Contributions 2/15/2020	9,344.42	
42847	Imperial Irrigation District	Electric Services 1/7 - 2/4/2020	1,339.47	
42848	Imperial Irrigation Dist-Lab Acct	Electric Services 1/7 - 2/4/2020	3,382.25	
42849	Principal Life Insurance Co.	Dental/Life Insurance 3/2020	10,004.11	
42850	Verizon Wireless	District Cell Phone 1/8 - 2/7/2020	2,115.96	
42851	Vision Service Plan (CA)	Vision Care March 2020	857.56	
				163,307.89
Pre-Approved Expenditures less than \$10,000.00:				
42822	Airgas Safety Inc.	Dry Ice	198.57	
42823	Gregorio Alvarado	MVCAC Annual Conference	172.50	
42824	Salvador Becerra	MCAC Annual Conference	635.64	
42825	Cintas Corporation #3	Uniform Expense	844.99	
42826	Roberta Dieckmann	MVCAC Annual Conference	142.81	
42827	Eisenhower Occupational Health Serv	Physician Fees	865.00	
42828	Gempler's Inc.	Safety Expense	261.03	
42829	High Tech Irrigation, Inc.	Repair & Maintenance	55.82	
42830	Kim Hung-Lyu	MVCAC Annual Conference	43.59	
42831	Bito Larson	Trustee Travel	92.32	
42832	Marlin Business Bank	Contract Services	623.70	
42833	NAPA Auto & Truck Parts	Vehicle Parts & Supplies	991.79	
42834	Richard Ortiz	MVCAC Annual Conference	184.00	
42835	Puretec Industrial Water	Equipment Parts & Supplies	300.49	
42836	Slovak Baron Empey Murphey & Pinkney LLP	Attorney Fees	6,447.50	
42837	SoCo Group Inc., The	Motor, Fuel & Oil	6,688.62	
42838	Tops N Barricades, Inc.	Safety Expense	149.69	
42839	Douglas Walker	Trustee Travel	149.20	
42840	Clive Weightman	Trustee Travel	602.25	
42841	WESCO, Western Scientific Company, Inc.	Maintenance and Calibration	770.00	
42842	Crystal Moreno	Tuition Reimbursement	2,510.00	
42843	Roberta Dieckmann	Aflac Refund	570.67	
42852	Advance Imaging Systems	Contract Services	153.67	
42853	American Engraving Co.	Reproduction & Printing	2,465.07	
42854	CarQuest Auto Parts	Vehicle Parts & Supplies	102.96	
42855	Cintas Corporation #3	Uniform Expense	1,657.75	
42857	G & C Smog and Auto Repair	Permits, License & Fees	45.00	
42858	Doug Kunz	Trustee Travel	178.83	
42859	Liebert Cassidy Whitmore	Attorney Fees	39.56	
42860	MAAS Companies, Inc.	Professional Fees	165.00	
42861	NAPA Auto & Truck Parts	Vehicle Parts & Supplies	5.67	
42862	Praxair Distribution, Inc.	Cylinder Rentals	50.51	
42863	Salton Sea Air Service	Aerial Application	5,125.00	
42864	Technical Safety Services, Inc.	Maintenance and Calibration	778.00	
42865	Uline	Safety Expense	150.14	
42866	UPS	Postage	94.00	
42867	Waxie Sanitary Supply	Repair & Maintenance	118.76	
Cash - First Foundation Bank Checking				34,430.10
Cash - First Foundation Bank Checking				
42856	Environmental Systems Research Inst	Maintenance Contract	17,400.00	
42868	US Bank	2/24 CalCard Statement	40,701.87	
Cash - First Foundation Bank Check Run Total to be Approved				58,101.87
Total Expenditures: February 7 - March 5, 2020				627,620.54

Franz De Klotz, President

Clive Weightman, Treasurer



COACHELLA VALLEY MOSQUITO & VECTOR CONTROL DISTRICT

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🌐 www.cvmosquito.org ✉ CVmosquito@cvmvcd.org 📱 @cvmosquito 📱 @CV_mosquito

MOSQUITO AWARENESS WEEK APRIL 19-25, 2020

WHEREAS, the mission of the Coachella Valley Mosquito and Vector Control District (“District”) is to enhance the quality of life for the District’s community by providing effective and environmentally sound vector control and vector-borne disease prevention programs;

WHEREAS, in fulfilling the District’s mission, the District seeks to reduce the risk of disease transmission by mosquitoes and other vectors to protect Coachella Valley residents and visitors; and

WHEREAS, the District recognizes that West Nile and St. Louis encephalitis viruses can lead to serious mosquito-borne diseases that can result in debilitating cases of meningitis and encephalitis and death to people, horses, avian species, and other wildlife; and

WHEREAS, an invasive mosquito species, *Aedes aegypti*, which is capable of transmitting deadly viruses to people, has been detected in all Coachella Valley cities; and

WHEREAS, a safe and environmentally sound procedure needs to be used in the control of mosquitoes; and

WHEREAS, adequately funded mosquito and vector control, disease surveillance, and public awareness programs are the best way to prevent outbreaks of mosquito-borne diseases; and

WHEREAS, educational programs have been developed for schools, civic groups, businesses, and government agencies in order to help the public understand how to reduce mosquito habitats by eliminating standing water where mosquitoes lay eggs; and

WHEREAS, educational programs have also been developed to help the public understand how to protect themselves from mosquito-borne threats by staying indoors when mosquitoes are most active, wearing pants and long-sleeved shirts, using repellents containing EPA-registered active ingredients.

BOARD OF TRUSTEES

President DOUG HASSETT La Quinta | **Vice President** FRANZ DE KLOTZ County at Large
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DR. DOUGLAS KUNZ Palm Springs | ISIAIAH HAGERMAN Rancho Mirage | JEREMY WITTIE General Manager

NOW, THEREFORE, the Board of Trustees of the Coachella Valley Mosquito and Vector Control District does hereby proclaim the week of April 19-25, 2020 as

Mosquito Awareness Week 2020

Dated this 10th day of March, 2020.

Franz De Klotz, President Board of Trustees

	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>March 10, 2020</p>
<p>Agenda Item: Informational Item</p> <p>District Travel and Trustee Training Opportunities – Graciela Morales, Executive Assistant/Clerk of the Board</p>		
<p>August 24-27, 2020: CSDA Annual Conference (Palm Desert, CA) ~ “Come together with other special district leaders from across the state to meet with industry suppliers, hear from the best in special district-specific topics with over 30 breakout session options, network with your peers, and more.”</p> <p>Requests to attend must be made by the June 2020 Board Meeting.</p>		

Board Business Status Log 2020

Board Action Item / Description		Month	Status	Comment
Agreements				
	Cleaning Services agreement with CleanExcel	January	Completed	
	Adulticiding and larviciding aerial applications agreement with Salton Sea Air Service	February	Completed	
Resolutions				
	Resolution 2020-01 Adopting the District's Social Media Policy and Resolution	January	Completed	
	Resolution 2020-02 Adopting Employee Pay Schedule	February	Completed	
Other				
	IT Security Awareness Training Program Kickoff	October	In Progress	
	Proclamation supporting participation in the 2020 census	January	Completed	
	General Manager Employment Agreement	January	Completed	
	General Counsel evaluation	February	Completed	



**Coachella Valley Mosquito and
Vector Control District**

March 10, 2020

Staff Report

Agenda Item: Informational Item

National Pollutant Discharge Elimination System (NPDES) Annual Report – **Jennifer A. Henke, M.S., Laboratory Manager**

Background:

The District’s application of pesticides to and adjacent to Waters of the United States are subject to compliance of the Clean Water Act. In California, the State Water Resources Control Board administers the Vector Control General Permit for the National Pollutant Discharge Elimination System (NPDES). The District must annually file a report with the State Water Board and the Colorado River Regional Water Quality Control Board. The report is required to address:

1. Applications of control products made to or near waters of the United States
2. Any proposed changes to our Best Management Practices for applications to or near waters of the United States
3. A map of our application and target areas which are waters of the United States

The executive summary of the report is attached.

Exhibits:

- 2019 NPDES annual report executive summary

2019 NPDES Annual Report

1. Annual Report**a. Executive Summary**

The Coachella Valley Mosquito and Vector Control District (hereafter, the District) is a non-enterprise independent special district accountable to the citizens of the Coachella Valley, charged with the protection of public health through the control of vectors and vector-borne diseases within its boundaries. The District operates in the Colorado River Basin Regional Water Quality Control Board District (Region 7). The District operates under the Statewide National Pollutant Discharge Elimination System (NPDES) Permit for Biological and Residual Pesticide Discharges to Waters of the United States from Vector Control Applications (Water Quality Order No. 2011-0002-DWQ as amended by Water Quality Order No. 2012-0003-DWQ, 2014-0038-EXEC, and 2014-0106-DWQ) since it became effective on November 1, 2011. The District currently operates under Water Quality Order No. 2016-0039-DWQ since it became effective on March 1, 2016.

The District made 818 larvicide treatments to 185 waters of the U.S. in 2019. The District also made 42 ULV applications of adulticides near private duck club ponds and 4 barrier applications of adulticides to vegetation adjacent to a water of the U.S. in 2019. The District complied with the instructions on the labels of the pesticides and continued to follow the guidelines of its Pesticide Application Plan (PAP) to minimize biological and residual pesticides. Per Order 2016-0039-DWQ, the monitoring and reporting requirements of the Vector Control Permit were modified to consist of reporting of any visual adverse effects or reporting of non-compliant applications as well as monitoring and reporting of pesticide application rates for all applications. The District continued to follow the guidelines of its Pesticide Application Plan (PAP).

b. Summary of Monitoring Data

No adverse impacts from vector control applications were noticed or reported by any of the individual applicators. No non-compliant applications were performed. The annual report tables have been modified to include the application rate for each application reported.

The Coalition will provide information on the incidence of West Nile virus and other similar public health threats in the Coalition's annual report. The

District detected West Nile virus in 513 mosquito pools and St. Louis encephalitis virus near the Salton Sea in 105 mosquito pools.

- c. Identification of Current Best management Practices (BMPs)
The District uses the BMPs outlined in the District's PAP. These include: training employees to prevent and respond to chemical spills; keeping pesticides in secure locations; calibrating spray equipment; checking the accuracy of use on a daily basis; maintaining certification of staff as State Certified Public Health Vector Control Technicians; and use of biological and physical methods of control mosquitoes when appropriate.
- d. BMP Modifications Addressing Violations
No violations of the General Permit were observed.
- e. Map of Applications
See Attachments A, B and C. Attachment A was made using our Mosquito Mobile application to show larvicide applications. Sites in the application are either points or polygons (polys) depending on the size of the site when it was digitized. Attachment B is the route where aerial ULV for adult mosquitoes took place. Attachment C is the maps of the barrier routes.
- f. Log of Applications made to Waters of the U.S.
See Pesticide Application Log (Attachment D). The application log includes 818 applications of larvicide made to waters of the U.S. It also includes 42 ULV applications of adulticide adjacent to waters of the U.S. and 4 barrier applications to vegetation situated near waters of the U.S.
- g. General Information on Applications.
See Pesticide Application Log. Dosage, concentration, and quantity of pesticide used are derived from District recommended rates based upon biological research and are within pesticide label rates. In some cases, the division of the application amount by the area applied makes it appear as if there was an exceedance per the label. The District discussed with the Riverside County Agricultural Commissioner the inaccuracy of measuring small amounts of liquid for application to small areas. The District adopted a standard procedure of measuring no less than 0.5 mL of liquid larvicide to be applied at small acreage sites.

Examining the ownership of properties within the District, several parcels are owned by Native American tribes. To be compliant with NPDES, the District has obtained permission to treat and an EPA NPDES permit for coverage of these areas. This may mean that there is a reduction in the number of

locations or in the locations themselves that are reported to the California Water Resources Control Board when compared to previous years.

- h. Visual Monitoring Data
No adverse impacts from vector control applications were seen or reported by individual applicators.
- i. Monitoring Program, BMPs and PAP Recommendations
The District has no recommendations for improving the current PAP and monitoring and reporting program.
- j. Pesticide Application Log
See 1f.

2. Updated PAP Components


Not applicable.

3. Self-Monitoring Reports

The District was not asked to submit any self-monitoring reports by the State Water Board or by the Colorado River Regional Water Quality Control Board.

4. Monitoring Reports

The District is a member of the Mosquito and Vector Control Association of California's Monitoring and Reporting Coalition. The MVCAC Coalition Monitoring Annual Reports summarizes the direction and outcome of the conversations between MVCAC and the SWRCB on potential changes to the Vector Control Permit.

	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>March 10, 2020</p>
<p>Agenda Item: Informational Item</p> <p>EPA Pesticide Environmental Stewardship Program (PESP) – Jennifer A. Henke, M.S., Laboratory Manager</p>		
<p>Background:</p> <p>In 1994, the Environmental Protection Agency (EPA), established the Pesticide Environmental Stewardship Program (PESP) to promote the use of Integrated Pest Management (IPM) among users of pesticides. The American Mosquito Control Association (AMCA) became a member in 1997 and has since become a Gold level member. AMCA tracks the methods that mosquito control districts across the United States reduce the risk of pesticide exposure to their employees and the members of their community.</p> <p>The District became a Bronze level member in 2012. As part of its five-year strategy document, the District committed to tracking components of IPM that reduce the risk of pesticide exposure and that demonstrate that we are stewards of the environment. The District updated its five-year strategy in 2018 to account for the changing work. The summary of our annual report for 2019 is attached.</p>		
<p>Exhibits:</p> <ul style="list-style-type: none"> • 2019 CVMVCD EPA PESP annual report 		

The Coachella Valley Mosquito and Vector Control District's EPA Pesticide Environmental Stewardship Program 2019 Report

Introduction

The Coachella Valley Mosquito and Vector Control District (hereafter, the District) is an independent special district in southern California. We have adopted an Integrated Vector Management (IVM) program to control mosquitoes and red imported fire ants, and to a lesser extent, eye gnats and filth flies. In addition, the District helps Coachella Valley residents to rodent-proof their property by carrying out property inspections and providing expert advice. The work is done in the 2,400 square miles of our District boundary. We learned of the EPA's Pesticide Environmental Stewardship Program (PESP) through the American Mosquito Control Association (AMCA), a Gold Tier PESP Member. The District chose to join in 2012 to engage with others to reduce "potential health and environmental risks associated with pests and pesticide use and in implementing pollution prevention strategies." In 2017, the District updated its Strategy Document to reflect changes in the work being completed to protect public health.

The District applies control products where people live, work, and play to protect public health. The District's IVM program involves procedures for minimizing potential environmental impacts, while providing the necessary level of public protection from vectors and the pathogens they can transmit. The District employs IVM principles by first determining the species and abundance of vectors through evaluation of public service requests and field surveys of immature and adult vector populations; and then, if the populations exceed predetermined criteria, use the most efficient, effective, and environmentally sensitive means of control. For all vector species, public education is an important control strategy, and for some species, it is the District's only control method. In some situations, the District also uses biological control such as the placing of mosquitofish in ornamental ponds. When these approaches are not effective or are otherwise inappropriate, then control products are used to treat specific vector-producing or harboring areas to reduce vector populations.

The principles for mosquito and red imported fire ant control apply similarly to other vectors or nuisance species, including assessing the proximity to populated regions; the threat to surrounding organisms; the use of control products in strict accordance with label requirements; the eradication of breeding sources to prevent future re-infestation; educating the general public on preventative measures to prevent future colonization; and the administration of funding and institutional support necessary to accomplish these goals.

The IVM program as a whole, including registration and continuing education of state-certified field personnel, is reviewed and approved by the California Department of Public Health Services through a formal Cooperative Agreement that is renewed annually. For work on state lands and riparian zones, wetlands or other sensitive habitats, the District

coordinates and reviews activities with the California Department of Fish and Wildlife, the U.S. Fish and Wildlife Service, and the California State Lands Commission as Trustee Agencies. For chemical control activities, the District reports to and is periodically reviewed by the Riverside County Agricultural Commissioner.

The District's five-year strategy is to track the following criteria and to update the EPA PESP about our progress in our annual reports. What follows is the summary of our work in 2019, with a comparison to numbers reported in our 2018 report where appropriate.

ACTIVITY 1: SOURCE REDUCTION AND WORKING WITH MANAGERS OF PUBLIC LANDS

The District will work with other public agencies to implement focused and environmentally sound mosquito control strategies where necessary. As part of our IVM program, these activities typically include source reduction, sanitation, and the use of biopesticides to control vectors early in their life cycle. In some cases, highly focused applications of chemical pesticides are directed at confirmed vector species to control populations and protect public health. Appropriate measures include:

Measure 1: A list of non-drainage source reduction and sanitation efforts conducted to prevent mosquito and fly breeding.

The District and the Coachella Valley Water District are cooperating in an effort to ensure property owners properly control artesian wells to comply with state code. In recent years, sufficient groundwater pressure has returned to areas within the eastern Coachella Valley to cause flowing conditions in artesian wells and indicates a healthy aquifer. Decreasing overdraft and returning artesian conditions are goals of the *Coachella Valley Water Management Plan*, which seeks to reduce pumping costs and protect groundwater quality. Replenishing the eastern portion of the Coachella Valley's aquifer with imported water is a crucial component of the valley-wide plan. It is important that the construction or repair of artesian wells is performed in a manner to prevent unchecked flowing conditions. Uncontrolled flows from artesian wells, can result in non-beneficial use of water, and may create standing pools that become unwanted breeding grounds for mosquitos. The Districts cooperated to work with property owners to repair wells and developed a rebate program to defer some of the costs for these repairs; 3 sites were repaired, impacting 61 acres of potential breeding sources. The District can provide a list of property owners and locations upon request. This is same as what was listed in 2016.

Some property owners in the eastern Coachella Valley operate duck hunting clubs in the winter. Water confined to ponds on the property can breed mosquitoes, but mosquito activity typically decreases as the water ages. Breaks in levees and release of water to desert flooding sites create new mosquito breeding sites which can be difficult to treat. In order to reduce desert flooding, the District implemented a policy in 2015 for duck clubs where any water not confined in a pond or designated drainage ditch system would result in charges for mosquito control products used to treat those areas. The duck clubs owners

discussed their flooding plans and conducted conservation efforts which led to less mosquito production and fewer chemical treatments. In 2016, two clubs (Pintail and Tres Rios) did not flood, resulting in 51.7 acres of dry land. In 2017, five clubs did not flood (Adohr's, Middle Farms, Northwind, Pintail, and Tres Rios) resulting in 205.43 acres of dry land. In 2018 and 2019, the same clubs did not intentionally flood, resulting in 186.49 acres of dry land.

Measure 2: A list of the drainage source reduction projects that are actively reducing mosquito breeding and therefore any risks that would have been associated with pesticide applications. This list may include projects completed in previous years that are still functioning.

The eastern half of the valley is primarily agricultural and contains 70 miles of open channels that convey water from the subsurface tile drain system and storm water to the Salton Sea. Between scheduled maintenance, channels grow vegetation which may create places for mosquitoes to breed. The Coachella Valley Water District is the agency primarily responsible for maintaining these channels. In 2012, we began working with CVWD to prioritize channel maintenance schedules. Seventeen channels have been cleared or restored since 2012, consisting of 155,450 linear feet and impacting 169.2 acres of potential breeding.

Measure 3: A list of the names and numbers of municipalities, agencies, agricultural land owners, and other members of the public that are performing Best Management Practices to reduce vector development. This may include changes in irrigation to agricultural lands, water management practices on golf courses for ant control, and water and waste management practices at nurseries.

The District works with municipalities, agencies, agricultural land owners, and other members of the public to reduce vector development. Because of the District's extensive work in previous years, this list is unchanged from our 2018 report.

Mosquito issues: City of Cathedral City, City of Coachella, City of Desert Hot Springs, City of Indian Wells, City of Indio, City of La Quinta, City of Palm Desert, City of Palm Springs, City of Rancho Mirage, Community of Bermuda Dunes, Community of Mecca, Community of Northshore, Community of Oasis, Community of Thermal, Community of Thousand Palms, Coachella Valley Water District, County of Riverside, California Department of Public Health, California Department of Fish and Wildlife, University of California Extension Service, California Department of Food and Agriculture, Agua Caliente Band of Cahuilla Indians, Cabazon Band of Mission Indians, Torres Martinez Desert Cahuilla Indians, Twenty-Nine Palm Band of Mission Indians, US Fish and Wildlife, Artesian Duck Club, Coldwater Duck Club, Mecca Land Duck Club, Model A Duck Club, Sunrise Marsh, LLC, 26th Corporation, Adohr's Duck Club, Middlefarms Duck Club, Northwind Duck Club, North Shore Duck Club, Cocopah Date Farm, Hadley Dates, Oasis Dates, Bagdesarian Ranch, Desert Mist Ranch,

Primetime Industries, Blue Beyond Fisheries, Desert Sea Farms, Golden Pond Fishery, Inc., Sunshine Forest, Inc., Kent Sea Tech Corp., Tres Rios Duck Club, Pintail Duck Club, 1 private homeowner, Palm Valley Country Club, the Desert Cities Homeowner Association Council, Outdoor Resorts Motorcoach Park and Safari Mobile Home Park.

Flies: C and R Farms, Living Desert, SA Recycling, University of California Extension Service, California Department of Food and Agriculture, Prime Time Farms, Andalusia at Coral Mountain Golf Course, The Palms Golf Club, and Trilogy Golf Club

ACTIVITY 2: VECTOR AND DISEASE SURVEILLANCE

As part of the District's IVM program, surveillance is a key component that drives the use of pesticides in appropriate doses and locations. Prior to any pesticide application, confirmation is made of the number and species of vector. For mosquito control, surveillance is also conducted for the pathogens which cause disease in the public, e.g., the viruses that cause West Nile Encephalitis, St. Louis Encephalitis, and western equine encephalomyelitis. Detection of high numbers of adult mosquitoes and virus drives the District Risk Modeling and Operational Strategy, where focused applications of adulticides are made to protect vulnerable members of the public.

Measure 1: The number of days we apply control products for adult mosquito control. For Ultra Low Volume (ULV), the amount of acreage covered and the amount of product used. For barrier applications, the linear feet covered or the acreage covered and the amount of product used. For catch basin adulticiding, the number of control application spots, the number of areas or neighborhoods covered, and the amount of product used.

In 2019, the District used adulticide products 296 days, 63 more days than in 2018. This has increased over the past few years as a result of *Aedes* mosquito treatments, primarily conducted at residences using small amounts. The District also had record levels of virus activity in 2019 and conducted adult mosquito control operations in accordance with our Emergency Arbovirus Surveillance and Response Plan.

We applied 204.55 gallons of Aqua-Reslin, 108.13 gallons of Duet, and 97.22 gallons of EverGreen 5-25 to cover 74,030.69 acres on 46 nights using Ultra Low Volume methods through helicopter-mounted sprayers. We used ULV application methods on truck-mounted sprayers to cover 37,742.78 acres using 17.43 gallons of Aqua-Reslin, 146.21 gallons of DeltaGard, 9.45 gallons of Duet, 88.93 gallons of EverGreen 5-25, and 1 gallon of Merus 3.0. In residential yards, we used 1.57 gallons of Aqua-Reslin using backpack sprayers for ULV applications for *Aedes* treatments, down from 2.71 gallons in 2018.

Using barrier sprays, we applied 4.5 gallons of Demand CS to 384.52 acres over 7 days in response to high mosquito collections as well as WNV and SLEV positive samples. We applied 1.80 gallons of Demand CS to backyards for control of *Aedes* mosquitoes, an increase from 1.68 gallons in 2018.

Measure 2: The number of nights we trapped for adult mosquitoes and the number of trap-nights, where a trap-night is one night for which a trap is set (for example, four traps set for three nights equals 12 trap-nights). Numbers will be specific to *Culex* mosquitoes and to invasive *Aedes* mosquitoes, as they vector different diseases and require different control strategies.

We trapped on 150 nights for *Culex* surveillance for a total of 6,150 trap nights where a trap night is one night for which a trap is set (for example, four traps set for three nights equals 12 trap nights). Additional surveillance for *Aedes* was performed on 299 nights for a total of 14,744 trap-nights. This brings us to a combined total of 301 nights of trapping (CO₂, gravid, AGO, and BG-Sentinel traps) for 10,269 total trap nights.

Measure 3: The number of inspections made for larval mosquitoes.

We made 43,669 inspections for larval mosquitoes, a 13% decrease.

Measure 4: The number of applications made for larval mosquitoes and the amount of chemical used.

We made 22,251 applications to control larval mosquitoes, which includes treatments as a result of invasive *Aedes* inspections. The total number of treatments is a 21.37% decrease in individual treatments. Total acreage treated was 4,276.63 acres for larval mosquitoes.

Product Name	EPA Registration Number	2019 Amount Used	Percent Change
Agnique MMF	53263-28	11.51 gallons	395.69%
Altosid Briquets	2724-375	766 briquettes	-42.23%
Altosid Liquid	2724-392	96.97 gallons*	2,312.19%
Altosid Pellets	2724-448	1,682.59 pounds	-49.63%
Altosid P35	89459-95	1,866.00 pounds	New in 2019
Altosid XR Briquets	2724-421	1,232 briquettes	-18.03%
Aquabac 200G	62637-3	1,725.83 pounds	1,091.71%
FourStar Briquet 180d	83362-3	30 briquettes	New in 2019
Kontrol	73748-10	20.16 gallons	-66.00%
MetaLarv S-PT	73049-475	942.77 pounds	-33.41%
Natular 2EC	8329-82	5.31 gallons	-14.08%
Natular G	8329-80	2,577.50 pounds	2.29%
Natular G30	8329-83	6,596.97 pounds	1.76%
Natular T30	8329-85	465 tablets	13.14%
Natular XRT	8329-84	1,439 tablets	-22.84%
Spheratax WSP	84268-2	29 pouches	262.50%
VectoBac 12AS	73049-38	36.36 gallons	104.50%

VectoBac G	73049-10	2,389.61 pounds	104.53%
VectoBac WDG	73049-56	3,794.99 pounds*	1,698.91%
VectoLex WDG	73049-57	116 pounds	958.39%
VectoLex WSP	73049-20	144 units	Rarely used in 2018
VectoMax FG	73049-429	5,211.11 pounds	30.10%
VectoMax WSP	73049-429	1416 pouches	3,193.02%

* Agnique MMF is no longer being sold and the District is using its remaining supply as permitted under the registration. Altosid Liquid Larvicide was used in an truck larvicide campaign against *Aedes aegypti* mosquitoes in 2019 but not in 2018. VectoBac WDG was used in an aerial larvicide campaign.

Measure 5: The number of dead birds tested for virus and the number of dead birds positive for virus.

We tested 4 dead birds for WNV and found 0 positives. This is 3 more birds tested than in 2018.

Measure 6: The number and timing of mosquito pools collected for disease surveillance and the number and timing of positive mosquito pools.

Month	½ of month	Period	# pools tested	# WNV positive pools	# SLEV positive pools	# CHIK, Dengue, Zika positive pools
January	1	1	41	0	0	0
January	2	2	2	0	0	0
February	1	3	17	0	0	0
February	2	4	5	0	0	0
March	1	5	219	0	0	0
March	2	6	347	0	0	0
April	1	7	397	0	0	0
April	2	8	463	0	0	0
May	1	9	616	16	0	0
May	2	10	467	26	0	0
June	1	11	595	105	0	0
June	2	12	443	102	4	0
July	1	13	291	74	1	0
July	2	14	431	137	4	0
August	1	15	261	26	7	0
August	2	16	255	10	18	0

September	1	17	301	13	47	0
September	2	18	296	1	18	0
October	1	19	385	2	2	0
October	2	20	418	1	3	0
November	1	21	170	0	1	0
November	2	22	76	0	0	0
December	1	23	30	0	0	0
December	2	24	1	0	0	0
Totals			6,527	513	105	0

This is an 16% increase in the number of samples tested, and it includes 359 pools which were tested for arboviruses such as chikungunya, dengue, and Zika. The number of positive WNV samples increased by 2038% (24 WNV positive samples in 2018) and the number of SLEV samples increased by 114%.

Measure 7: The percentage of infestation of red imported fire ants at inspected locations.

Inspections done to determine if treatment is needed showed that 95% of sites surveyed did have red imported fire ants.

Measure 8: The percent reduction of red imported fire ants at follow-up visits.

Follow-ups to sites showed that there was a 72% reduction in the fire ants.

Measures 9 and 10: The number and location of traps used for fly surveillance. An estimate of the number and timing of flies trapped for the year.

Date	Location	City	Total number of traps set	Total number of flies captured	Average number of flies / trap
4/25/2019	Trilogy HOA	La Quinta	9	15398	1710.89
5/16/2019	Trilogy HOA	La Quinta	9	19806	2200.67
6/14/2019	Trilogy HOA	La Quinta	9	8786	976.22
7/18/2019	Trilogy HOA	La Quinta	9	8450	938.89
8/15/2019	Trilogy HOA	La Quinta	9	12470	1385.56
9/12/2019	Trilogy HOA	La Quinta	9	420	46.67
10/10/2019	Trilogy HOA	La Quinta	9	226	25.11
11/21/2019	Trilogy HOA	La Quinta	9	2	0.22

We collected on seventeen occasions in 2018, and we caught 46,164 more flies than in 2018.

ACTIVITY 3: BIOLOGICAL CONTROL

The District conducts biological control where feasible, using mosquitofish reared on site. Biological control agents are stocked on private property in accordance with California Department of Fish and Wildlife Policy.

Measure 1: The number of mosquitofish stocked.

We stocked **5,341** mosquitofish (a 73.90% decrease). In part, this decrease reflects the decision to no longer place mosquitofish at the duck club ponds as they are temporary habitat that can use other mosquito control methods.

ACTIVITY 4: TRAINING VECTOR CONTROL STAFF

District technicians are highly trained individuals who daily use techniques to reduce pesticide risk. As certified California Vector Control Technicians, staff receives training in biennial cycles on pesticides, mosquitoes, other invertebrates, and vertebrates of importance to public health as approved and required by the California Department of Public Health. In addition, staff is also trained in-house on standard operating procedures, including but not limited to, spill prevention and clean-up, identification of protected species, and calibration of equipment.

Measure 1: The number of certified VCTs on staff was **47** as of December 31, 2019. This is two more VCTs than at the same time the previous year.

Measure 2: The type of training received annually. This may include annual conferences, college programs, special training, and in-house training.

Outside Training:

Training	Number of Attendees
Mosquito and Vector Control Association of California Annual Conference	13
American Mosquito Control Association Annual Conference	5
Entomological Society of America Annual Conference	2
Society for Vector Ecology Annual Conference	1
Pacific Branch of the Entomological Society of America Annual Conference	1

In-house Training:

TRAINING	DATE	ATTENDEES
Staff-wide Training (at Staff Meetings)		
Evacuation Plan Training	02/20/2019	45
Anti-Harassment	9/13/2019	50
Earthquake Safety	10/20/2019	50

Department Specific		
N-Series - Annual Pesticide Handler Safety Training	1/9/2019	40
Labels and Safety Data Sheets	1/9/2019	40
Control Product Use and Selection	1/15/2019	46
Resistance Management and Product Rotation	1/15/2019	46
Respirator Use and Fit	1/29/2019	42
Listed Species, CEQA, and NPDES	1/29/2019	42
Safe Pesticide Handling and Personal Protective Equipment	1/15/2019	46
Spill Prevention and Clean-up	1/15/2019	46
Recognizing and Preventing Heat Stress	2/12/2019	41

**The date above reflects when the initial training was given. Additional or make-up trainings may have occurred at later dates.*


ACTIVITY 5: PUBLIC OUTREACH

The District believes that educating members of public is important in reducing pesticide risk. As the public becomes better informed about vectors and vector control issues, vector populations will be reduced and applications of chemicals will be reduced.

Measure 1: The number of IVM brochures and flyers distributed for the calendar year was **33,000**. This included mosquito-transmitted disease notifications, invasive *Aedes* detection notifications, and area-wide mosquito control notifications sent by mail or delivered door-to-door, and brochures and informational handouts distributed at talks and events, all including IVM messaging. This is an increase from 2018 when 29,000 IVM information materials were distributed.

Measure 2: The District conducted **98** outreach activities in 2019 that covered the topics of IVM, environmental stewardship, or PESP, reaching about **8,000** people. We performed 72 outreach activities in 2018.

Measure 3: The number of paid TV, radio, and newspaper spots was 1,500 in 2019, compared to 1,429 paid spots in 2018. When adding each media outlet's reach, the total reach was about 1,000,000, which is an increase in 200,000 from the previous year. We also ran a movie theater campaign on 120 cinema screens with 280,000 projected impressions. Twenty-six media releases were distributed in 2018 (fourteen more than the previous year), resulting in 49 TV, radio, newspaper, and electronic news stories (about the same as the previous year). The District's website was updated November 1, 2019. There were 16,000 visitor sessions logged on the District website in 2019, compared to 15,000 sessions the previous year.

	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>March 10, 2020</p>
<p>Agenda Item: Informational Item</p> <p>California Environmental Quality Act (CEQA) Mitigated Negative Declaration Annual Compliance Report – Jennifer A. Henke, M.S., Laboratory Manager</p>		
<p>Background:</p> <p>On October 11, 2011, the Board of Trustees of the Coachella Valley Mosquito and Vector Control District approved a Mitigated Negative Declaration regarding District activities, specifically its Integrated Vector Management Program (Resolution 2011 – 18). Pursuant to Section 21081.6 of the Public Resources Code and the CEQA Guidelines Section 15097, a public agency is required to adopt a monitoring and reporting program for assessing and ensuring compliance with the required mitigation measures applied to a proposed project for which a mitigated negative declaration has been prepared. As stated in the Public Resources Code:</p> <p style="text-align: center;"><i>“...the public agency shall adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects.”</i></p> <p>The District is required to self-monitor continuously and to complete an annual Compliance Report. The summary of the report is attached.</p>		
<p>Exhibits:</p> <ul style="list-style-type: none"> • 2019 CEQA annual report executive summary 		

Coachella Valley Mosquito and Vector Control District
43-420 Trader Place, Indio, CA 92201

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)
MITIGATED NEGATIVE DECLARATION
2019 ANNUAL COMPLIANCE REPORT

BACKGROUND

The California Environmental Quality Act (CEQA) requires public agencies to conduct an environmental review to determine the cumulative impact of their activities on the environment. The Coachella Valley Mosquito and Vector Control District (hereafter, the District) conducted an Initial Study in July 2011 to determine the cumulative effects of its Integrated Vector Management Program to all parts of the District's jurisdiction (Project). In the Initial Study, the District determined that the Project could have a significant impact on the environment that could be made not significant through mitigation. Thus, the District prepared and adopted a Mitigated Negative Declaration on October 11, 2011.

As part of its Mitigated Negative Declaration, the District, in accordance with Section 21081.6 of the Public Resources Code and the *CEQA Guidelines* Section 15097, adopted a monitoring and reporting program for assessing and ensuring compliance with the required mitigation measures applied to its Project. This is the Annual Compliance Report detailing the monitoring which took place in 2019.

The District followed the Mitigation Monitoring and Reporting Program outlined in the Mitigated Negative Declaration. The District determined what actions would indicate compliance with the Mitigation Measure. What follows are the mitigation measures listed in the Mitigated Negative Declaration, the actions indicating compliance from the Mitigation Monitoring and Reporting Program, and a summary of what occurred in 2019. Overall, the District complied with the Mitigation Monitoring and Reporting Program, ensuring that its Integrated Vector Management Program did not have significant impact on the environment.

Mitigation Measure 1: *The District does not conduct routine control activities within 18 designated CVMSHCP conservation areas. The District conducts surveillance and control measures within the Coachella Valley Storm water Channel and Delta, and small residential communities found within the Thousand Palms and West Deception Conservation areas.*

Action indicating compliance: The District will maintain a map of the areas that may be impacted by surveillance and control measures. The Laboratory Manager will create a report using the Mosquito Mobile information to create a record of inspections and treatments made to the Coachella Valley Storm water Channel and Delta, Thousand Palms, and West Deception Conservation Areas. A copy of this report will be available upon request.

2019 activity: The District made 185 applications of larval mosquito control products to duck clubs and Salton Sea marshes (53 sites) within the Coachella Valley Storm Water Channel and Delta. Applications were made in accordance with the District's Larval Control Procedures and the District Recommended Rates. The District made 42 applications of adulticide products by ULV and 3 applications by barrier methods to duck club and Salton Sea marshes to areas within and adjacent to the Coachella Valley Storm Water Channel and Delta. Applications were conducted according to the District's Mosquito-borne Surveillance and Emergency Response Plan using the District Recommended Rates. The District made 1 application for red imported fire ant (RIFA) control to a private residence within a conservation area.

Mitigation Measure 2: *The District shall comply strictly with control product labels that are written to ensure that no significant impact to biological resources can occur.*

Actions indicating compliance:

- An annual refresher course organized by the Operations Manager to discuss products and District recommended applications will be conducted.
- The Operations Manager, Field Supervisors, and Lead Technicians examine the Mobile information for discrepancies. These are then reviewed with the technician by the Field Supervisors. A file of these discrepancies and the recommendation for improvement is kept by the Operations Manager.
- Reports of non-compliance with control product labels are made to the Riverside County Agricultural Commissioner by the Operations Manager.
- Monthly reports of product usage are made by the Operations Manager to the Riverside County Agricultural Commissioner.

2019 activity: The District conducted training on products, including the N-Series (January 9, 2019), product labels and Safety Data Sheets (January 9, 2019). District recommended rates, Spill Prevention and Clean-up, and Safe Pesticide Handling (all three on January 15, 2019), and Respirator Fit Test (January 29, 2019). Monthly reports of product use were made to the County Agricultural Commissioner.

Mitigation Measure 3: *Project activities shall be highly selective in space and time, based on a detailed list of potential mosquito sources, pre-control surveillance for mosquito abundance, and threshold criteria for control applications.*

Action indicating compliance: A file will be made available for review at the front desk that will include the annual map of all known sources, the location of adult surveillance traps, the location of larval surveillance (using the mosquito inspections from the Mosquito Mobile), and the District thresholds for treatment (both larval and adult procedures).

2019 activity: Maps and thresholds are available on request.

Mitigation Measure 4: *The District's field technicians shall be certified by the California Department of Public Health Services as highly-trained control product applicators and required to complete frequent continuing education sessions sponsored by the District and by the Mosquito & Vector Control Association of California pursuant to State Regulations.*

Action indicating compliance: A file containing copies or scans of all technician certifications will be made and will be located at M:\CEQA. This file will include information on the continuing education sessions completed by the technicians.

2019 activity: Information on technician certification is available upon request.

Mitigation Measure 5: *The Project is routinely monitored for safety, efficacy, and environmental impact by the District's Supervisors and General Manager, by the Riverside County Agricultural Commissioner, and other Trustee and Responsible agencies.*

Action indicating compliance:

- The District's Supervisors and General Manager will review the annual safety report created by the Safety Officer of the District, the annual report on

quality control created by the Biologist, and the annual report created by the Laboratory Manager.

- The District will keep a copy of the report made by the Riverside County Agricultural Commissioner on file.
- The District will keep a copy of the report made by the California Department of Public Health on file.

2019 activity: Reports on safety, quality control, and environmental compliance were made to the General Manager. The Vector-Borne Disease Section of the California Department of Public Health reviewed the District's Program on October 24, 2019; no recommendations were made. The District was not inspected by the Riverside County Agricultural Commissioner in 2019.

Mitigation Measure 6: *The District and the Mosquito & Vector Control Association of California will routinely fund and collaborate with researchers from the University of California and other academic institutions on research projects to evaluate activities and to ensure that practices are used with the least potential impact on biological resources consistent with operational requirements.*

Action indicating compliance: A copy of the annual budget and annual reports completed by these researchers will be available.

2019 activity: The District funded two researchers in 2019. Copies of their annual reports are available on request.

Mitigation Measure 7: *Project activities shall be consistent with the Riverside County General Plan's Conservation Element, and the Coachella Valley Multiple Species Habitat Conservation Plan, California and Federal Endangered Species Act and City General Plans in the Service Area.*

Action indicating compliance:

- The Laboratory Manager will review these plans and inform the District of any changes that need to be made to the Project's activities.
- The Laboratory Manager will conduct annual training of the District's employees to inform them of species that are listed as endangered.

2019 activity: The Laboratory Manager provided all field staff with training and updated manuals on Federal and State Listed Species on January 29, 2019.

Mitigation Measure 8: *District staff shall coordinate and consult with other responsible agencies, including the California Department of Health Services, the California Department of Fish and Game, and the Bureau of Land Management to ensure that Service Area activities do not result in significant impacts to biological resources.*

Actions indicating compliance:

- A copy of the cooperative agreement with California Department of Health Services is updated annually and available. This is coordinated by the General Manager.
- A copy of the permits awarded by the California Department of Fish and Wildlife (CDFW) is available. Permits are updated as needed by the Laboratory Manager
- The Laboratory Manager will obtain a MOU from the Bureau of Land Management if necessary.

2019 activity: When applying to the California Department of Fish and Wildlife for a permit for 2012, the District was informed that a permit was not needed to stock private water:

In California Code of Regulations, Title 14, Section 238.5 (f) the following is stated:

"In Inyo and Mono counties, and in public waters of San Bernardino, Riverside and Imperial counties, mosquitofish may not be planted without the written concurrence of the department".

No work was conducted requiring an MOU from the Bureau of Land Management. A copy of the agreement with the California Department of Public Health for 2019 is available on request.

Mitigation Measure 9: *The movement of All Terrain Vehicles (ATVs) shall be guided by the ground crew to avoid any damage to wildlife, if present. The use of ATVs by the District shall not have a significant effect on the environment by limiting its activities to agricultural areas such as irrigated date gardens. In the spring months on the west side of the Salton Sea, use of the ATV's shall be limited to existing dirt roads around the flooded areas of fishery ponds. The District staff shall use existing dirt roads around the fish farm ponds and shall enter only those open areas under the salt grass in the vicinity of the fish farm ponds. In the fall months the use of ATVs shall be limited to sites such as*

duck club ponds that are man-made.

Actions indicating compliance:

- The Clerk will maintain a record of where District staff use ATVs from the key log of the Lead Technicians.
- The Field Supervisors and Fleet Maintenance Staff train the technicians annually on the proper use of ATVs as well as the appropriate habitats in which they should be used.

2019 activity: The District used ATVs twenty-five times during breeding season (March – June) near the shoreline to examine the need for an aerial application and to make applications in response to West Nile virus positive samples. Use was restricted, and staff watched for signs of wildlife. Otherwise, ATV use in the spring and early summer was restricted to agricultural fields. ATVs were used in the duck clubs during the late summer, fall and winter. Staff was trained on appropriate use of ATVs on September 11, 2019.

Mitigation Measure 10: *The District shall use mosquitofish (*Gambusia affinis*) only in private man-made bodies of water for mosquito control – neglected pools.*

Action indicating compliance: The District Biologist will provide a report of the use and location of mosquitofish stocking.

2019 activity: Mosquitofish were stocked in neglected swimming pools, ornamental ponds, storm water structures, and duck clubs. Fish were used in man-made bodies of water for mosquito control. A map of treatments is available upon request.

Mitigation Measure 11: *The District shall maintain a California Department Fish and Game (CDFG) Permit for mosquitofish stocking.*

Action indicating compliance: A copy of the permit is available at the front desk.

2019 activity: See Mitigation Measure 8.

Mitigation Measure 12: *The District shall plant mosquitofish only in temporary man made wetlands that are covered by a CDFG permit which include Sections 19, 28, 29, 30, 31, Township 7, Range 9.*

Actions indicating compliance:

- A copy of the permit is available at the front desk.
- The District Biologist will provide a report of the use and location of mosquitofish stocking.

2019 Activity: See Mitigation Measures 8 and 10.

Mitigation Measure 13: *The District shall not plant mosquitofish in the following Desert Pupfish refugia ponds:*

- McCallum/Simone pond and Visitor center pond or any water course at the Thousand Palms Preserve, along Thousand Palms Canyon Drive.*
- The Seep pond, the Oasis pond or the Cienega (Sonoran) pond located at the Living Desert Zoological Gardens.*
- The small pond behind the Salton Sea State Park Headquarters.*
- Any pond or watercourse located at the Dos Palmas Preserve.*

Action indicating compliance: The District Biologist will provide a report of the use and location of mosquitofish stocking.

2019 Activity: See Mitigation Measure 10.

Mitigation Measure 14: *When mosquito numbers exceed District control thresholds and other control methods would be ineffective, contrary to permits or other environmental protections, or otherwise inappropriate, the District shall utilize only those specific insecticides that are registered for use in California and that possess a current EPA label.*

Action indicating compliance: A copy of the current pesticide labels will be available.

2019 Activity: Current product labels are posted at www.cvmvcd.org.

Mitigation Measure 15: *The District shall maintain current and updated maps and other information from the California Department of Fish and Game Natural Diversity Data Base, the Coachella Valley Multiple Species Habitat Conservation Plan, the Bighorn Sheep Recovery Plan and similar sources on the location of Special Status Species and designated Natural Communities in the Service Area.*

Actions indicating compliance:

- The Laboratory Manager will review these plans and inform the District of any changes that need to be made to the Project's activities.
- Copies of these plans are located at the front desk.
- Information from these maps is used by the IT department to maintain digital records of these maps within ArcGIS.

2019 Activity: The District uses the maps available from the Coachella Valley Association of Governments (CVAG). All maps are up-to-date.

Mitigation Measure 16: *The District shall coordinate its activities with approved Habitat Conservation Plans and Species Recovery Plans.*

Actions indicating compliance:

- The Laboratory Manager will review these plans and inform the District of any changes that need to be made to the Project's activities.
- The Laboratory Manager will conduct annual training of the District's employees to inform them of species that are listed as endangered.

2019 Activity: See Mitigation Measure 7.

Mitigation Measure 17: *The District shall conduct all its activities consistent with the requirements of the California Department of Fish and Game, the Regional Water Quality Control Board, the US Fish and Wildlife Service and the US Army Corps of Engineers.*

Actions indicating compliance:

- Copies of permits that have been obtained from CDFW and from the State and the Regional Water Quality Control Boards are available at the front desk. These permits are updated as needed by the Laboratory Manager.
- The District will develop a plan for dealing with endangered species that will be submitted to the US Fish and Wildlife Service.
- The District currently does not have any activities that require input from the US Army Corps of Engineers.

2019 Activity: The District maintained its State and Regional Water Quality Control Board permits. The District has not developed a plan for dealing with endangered species, but it is involved in the American Mosquito Control Association which is creating a Federal position on vector control and endangered species. The District


did file a document outlining its mosquito control efforts on property that is intended to be habitat for desert pupfish, *Cyprinidon macularius*, with US Fish and Wildlife Service in 2013 and continues to discuss the location of the pupfish with US and CA Fish and Wildlife Services. The District assisted the CA Fish and Wildlife Service with its population surveys for the desert pupfish, *Cyprinidon macularius*, in 2015 and did not find mosquitoes in areas where the pupfish were present.

Mitigation Measure 18: *The District shall maintain policies and programs for the continuing education of field personnel to ensure minimization of specific mosquito control activities and/or the use of alternative mosquito control methods which might impact Special Status Species or designated Natural Communities.*

Actions indicating compliance:

- The District will maintain records of in-house training sessions for staff as well as records of CEUs completed by staff. The District will maintain records of conferences attended by the staff.

2019 Activity: See Mitigation Measures 4 and 17. The freshwater and coastal marshlands are home to the desert pupfish, *Cyprinidon macularius*. According to the Recovery Plan, desert pupfish are omnivorous on algae, plants, invertebrates, and detritus. Desert pupfish prefer slow flowing water with some open vegetation, which is not a source of larval mosquitoes. Thus, there is no reason that mosquito control products for larval mosquitoes would be used in habitats with desert pupfish. Even if they were used, the products are not toxic to fish.

	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>March 10, 2020</p>
<p>Agenda Item: Informational Item</p> <p>Important Budget Meeting Dates – Finance Committee</p>		
<p>Background:</p> <p>The Finance Committee and staff have scheduled the following meetings in preparation for the development of FY 2020-21 Budget. Please mark your calendars. We hope you can join us at these meetings as your input is very important.</p> <ul style="list-style-type: none"> • <u>Tuesday, April 14, 2020</u> - Special Finance Committee Meeting 1:00 p.m. to 3:00 p.m. to discuss Budget draft #1 • <u>Friday, May 1, 2020</u> - Special Finance Committee Meeting 1:00 p.m. to 3:00 p.m. to finalize Budget draft • <u>Tuesday, May 12, 2020</u> - Regular Finance Committee meeting 3:30 p.m. to 4:30 p.m.; Budget Workshop with Board 4:30 p.m. to 5:30 p.m. • <u>Tuesday, June 9, 2020</u> - Regular Board meeting – Approval of FY 2020-21 Budget 		



via electronic mail

March 2, 2020

Notice to all Special District Board Presiding Officers c/o District Clerks:


Later this month, we will begin the process of selecting a Special District Member and an Alternate Special District Member of the Riverside Local Agency Formation Commission (LAFCO). The purpose of this letter is to inform all districts of the process in advance in order to avoid any confusion. Historically, the Special District Selection Committee (SDSC) has conducted its elections at a physical meeting in conjunction with a dinner meeting hosted by the Special District Association of Riverside County. Due to cost and logistics, it has been determined such a physical meeting is not entirely feasible. Therefore, this next election (and likely subsequent elections) will be conducted by electronic mail (e-mail), as explained below, and as was conducted for the most recent Special District Elections.

Specifically, the election will be for two LAFCO positions as follows: a Regular Special District Member from the eastern portion of the County (any district with the majority of its assessed value east of the intersection of I-10 and Highway 111) and an Alternate Special District Member from any special district within the County. Presiding officers from all Districts are eligible to vote for both positions. The terms of the incumbents, Nancy Wright, the eastern District Member, and Robert Stockton, the Alternate District Member, expire on May 4, 2020. However, by statute incumbents will continue to serve until a successor is appointed. The new terms will run through May 6, 2024.

The SDSC is comprised of the presiding officers of each independent special district of Riverside County. In approximately 2 days, Riverside LAFCO will transmit a formal call for nominations to SDSC members, in care of each District's Clerk. The District Clerks are responsible for transmitting the nomination package to the Board Presiding Officer. Formal nominations must be submitted by SDSC members (i.e., presiding officers) or designated alternates (see below). The nomination period will be approximately 30 days. If only one candidate is nominated, that candidate will be deemed appointed. After nominations are received, an emailed ballot will be sent mailed to the voting member, in care of the District Clerks, to cast a vote.

If the presiding officer is unable to submit a nomination or vote, the governing body of the District may designate another board member to act in place of the presiding officer. District managers or other staff members may not nominate candidates or vote. Please note that neither nominations nor votes of the presiding officer require action of the governing body. Board members designated by their governing body to vote in place of the presiding officer should provide that authorization (in the form of a resolution or minute order) to LAFCO no later than the time the ballot is cast. Ballots will be due approximately 30 days from receipt. A quorum consisting of ballots from a majority of the SDSC members is required to conduct a valid election.

Again, in order to expedite this process, please ensure this information is passed to your Presiding Officer when received. Please send this information to Rebecca Holtzclaw at rholtzclaw@lafco.org.

Sincerely,

Gary Thompson
Executive Officer

cc: District General Managers

General Information

Local Agency Formation Commissions (LAFCOs) are state-mandated regulatory agencies established by the Legislature in 1963. LAFCOs were created to help implement State policy of encouraging orderly growth and development through the regulation of local public agency boundaries. This daunting task requires each Commission to balance the development required for a growing population with the competing State interests of discouraging urban sprawl, preserving agricultural resources and open space and extending government services efficiently. Each of California's 58 counties has a LAFCO, however, they are independent of county government. Riverside LAFCO generally has jurisdiction over changes in boundaries of local agencies (cities and special districts) within Riverside County. For more information on the origins of LAFCO, see the **Background** section of this site.

Composition of LAFCOs can vary between counties. The Riverside LAFCO has seven members as follows: two members from the County Board of Supervisors; two members from city councils appointed by the mayors of all the cities in the County; two special district board members selected by all the independent special districts in the County; one public member selected by the other six members. An alternate is also appointed for each of the four categories. Commissioners serve four year terms. For information on current Commissioners, [click here](#).

General Purpose and Responsibilities

LAFCO has both regulatory and planning functions. On the regulatory side, it carries out its legislative mandate through the consideration of proposals for boundary changes. Boundary change proposals are also known as "changes of organization". When a proposal includes more than one change of organization, it is called a "reorganization". These proposals can be initiated by petition of landowners or voters or adoption of a resolution by one or more affected agencies.

The most common type of boundary change is an annexation (addition of territory) to a local agency, such as a city or a water district. Most annexations are initiated by landowners in order to facilitate development. Annexations are sometimes initiated by a group of voters in order to receive a specific service or an increased level of service. Other types of changes of organization include, but are not limited to, detachment (removal of territory), incorporation (formation of a new city), special district formation, dissolution (elimination) of a district, consolidation of two or more agencies, and the authorization for a special district to provide a new service. In addition, under certain circumstances, LAFCO can authorize an agency to provide services outside of its boundaries. The Commission can exercise its discretion to approve, disapprove or even modify the boundaries of proposals. It can approve proposed boundary change

proposals subject to certain terms and conditions, as allowed by law. For more information on the LAFCO process, [click here](#).

LAFCO's planning function is exercised through the establishment and amendment of "spheres of influence" (SOI). LAFCO is required to designate and periodically review a SOI for each local agency in the County. A SOI is defined as "a plan for the probable physical boundaries and service area of a local agency, as determined by the commission". The SOI usually delineates the area that an agency could be expected to "grow in to" in the future. A SOI that is the same as the current boundaries indicates that the agency should be considered in its ultimate configuration. However, an SOI can also be smaller than the current agency boundaries, specifying that territory should be detached over time. LAFCOs prepare Municipal Service Reviews (MSRs) as an aid in reviewing SOIs. An MSR will include information relevant to a specific service, an agency or a geographic region. Based on the MSR, the Commission will make determinations with respect to several factors including expected growth, service and facility capacity, the financial ability of agencies to provide services, opportunities for shared facilities and improved efficiency, and governmental structure alternatives.

The Commission usually meets on the fourth Thursday of each month. For more information on Commission meetings, [click here](#).



via electronic mail

March 4, 2020

**CALL FOR NOMINATIONS FOR A SPECIAL DISTRICT MEMBER
AND AN ALTERNATE SPECIAL DISTRICT MEMBER OF THE
RIVERSIDE LOCAL AGENCY FORMATION COMMISSION**

To the Special District Selection Committee (Presiding Officers of Independent Special Districts of Riverside County c/o District Clerks):

As you were recently notified (see attached letter), we are commencing the appointment process for a Regular Member and an Alternate Member of the Riverside Local Agency Formation Commission (LAFCO). I have determined that a physical meeting of the Special District Selection Committee (SDSC) is not feasible at this time. Therefore, selection proceedings will be conducted by electronic mail (e-mail). Specifically, the two positions are as follows:

Regular Special District Member-must be a board member from a district in the eastern portion of the County (any district with the majority of its assessed value east of the intersection of Interstate 10 and Highway 111).

Alternate Special District Member-must be a board member from any district with the majority of its assessed value within Riverside County.

Terms of LAFCO Members are four years and until appointment of a successor or reappointment of the incumbent. The term of this position will run until May 6, 2024.

The nomination period for the two positions will begin on Thursday, March 4, 2020 and close on Friday, April 3, 2020. Any member of the Special District Selection Committee (presiding officer or an alternate board member designated by the governing body) may nominate a member of the legislative body of an independent special district board to fill the position, consistent with the geographic requirements noted above.

All nomination forms must be signed and dated by the presiding officer, or the designee of your District Board of Directors. Once complete, please scan the form and email it to Rebecca Holtzclaw at rholtzclaw@lafco.org. **Nominations must be received in our office by 5 p.m., April 3, 2020.**

Following the nomination period, ballots and voting instructions will be sent to SDSC members. However, if only one candidate is nominated, that candidate will be deemed selected with no further proceedings.

If you have any questions, please contact our office.

Sincerely,


Gary Thompson
Executive Officer

cc: District Managers

**SPECIAL DISTRICT SELECTION COMMITTEE
2020 NOMINATION FORM**

I, _____ of the _____
Print Name of Presiding Officer or alternate* Name of District

hereby nominate(s) the following individual(s) for the position of:

Regular Special District Member of the Riverside Local Agency Formation Commission - Eastern Area. The term of this position will run until May 6, 2024.

Nominee: _____

District: _____

Alternate Special District Member of the Riverside Local Agency Formation Commission. The term of this position will run until May 6, 2024.

Nominee: _____

District: _____

I hereby certify that I am the presiding officer of the above named district or alternate designated by the governing body*.

Signature

Date

*If an alternate has been designated by the governing body, please provide a resolution or minute order documenting the action.



**Coachella Valley Mosquito and
Vector Control District**

March 10, 2020

Staff Report

Agenda Item: Informational Item

Staff report from:

MVCAC Spring Meeting and Legislative Day, March 2-4, 2020 in Sacramento, CA

Spring Meeting Report:

The spring quarterly meeting of the Mosquito and Vector Control Association of California provides an opportunity for committees that complete specific tasks within the association to meet and update the MVCAC Board of Directors and membership on their activities. Committees address statewide issues that impact mosquito and vector control districts from surveillance and control to outreach and legislation. The spring meeting was March 3-4, 2020.

District Staff serve on:

- Executive Committee – Jeremy Wittie, MVCAC Past President
- Laboratory Technologies Committee – Kim Hung and Jeremy Wittie, Board liaison
- Legislative Committee – Jeremy Wittie, Board Liaison
- Regulatory Affairs Committee – Jennifer Henke, Chair
- Vector Control Research Committee – Jennifer Henke, and Jeremy Wittie, Board Liaison
- Vector and Vector-borne Disease Committee – Kim Hung
- MVCAC Treasurer – David l’Anson
- Trustee Council Southern Region Representative – Doug Walker

Attendees:

Jeremy Wittie, District Manager

Tammy Gordon, Public Information Officer

Jennifer Henke, Laboratory Manager

Kim Hung, Vector Ecologist

Legislative Day Report:

Each year, MVCAC organizes a Legislative Day in Sacramento where local district members educate their elected officials about the importance of mosquito and vector control in California. When members meet with legislators on behalf of their district and MVCAC, they help build a foundation of knowledge, form allies, and set the stage for favorable legislative and policy outcomes. The afternoon prior to Legislative Day, District Public Information Officer Tammy Gordon and Jeremy Wittie attended a training geared at targeting our message for legislators. This year's ask was support in the coming State's budget, an allocation of \$500,000 for the ongoing funding and development of the CalSurv Gateway. The Gateway is a statewide surveillance database used to track and predict the emergence of invasive species, mosquito-transmitted virus activity and resistance management. District General Manager, Jeremy Wittie, and Public Information Officer, Tammy Gordon, met with Coachella Valley state legislators or their staff:

- Assemblyman Eduardo Garcia, 56th District
- Assemblyman Chad Mayes, 42nd District

Attendees:

Jeremy Wittie, District Manager

Tammy Gordon, Public Information Officer

Attachments:

2020 MVCAC Leg day materials



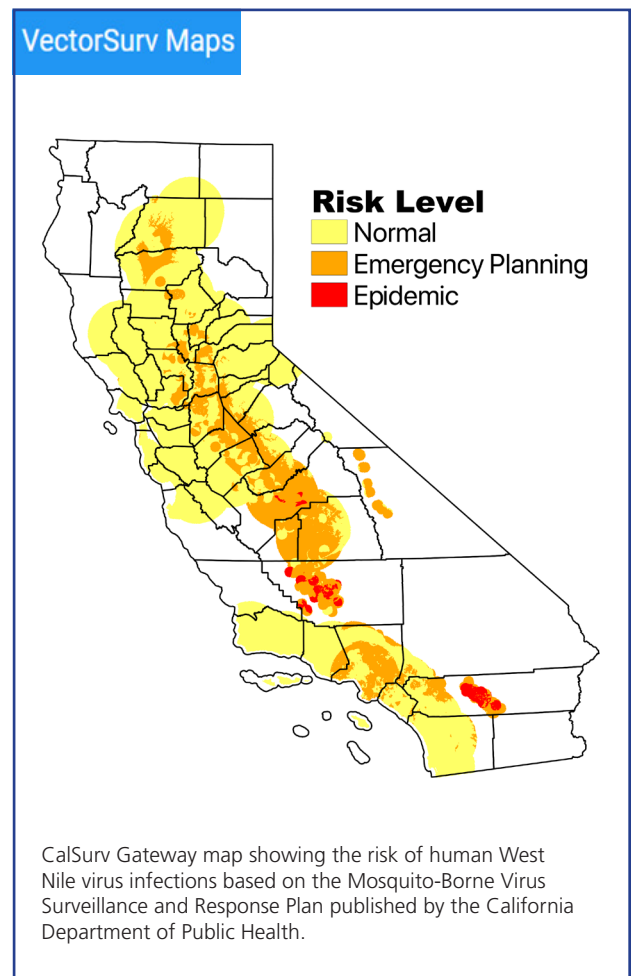
Ongoing State Funding is Critical for Mosquito Surveillance and Research

The Mosquito and Vector Control Association of California (MVCAC) seeks ongoing state support of \$500,000 annually for the California Vectorborne Disease Surveillance Gateway (CalSurv Gateway). **Without additional funding, the future of CalSurv is in jeopardy, putting public health at risk.**

CalSurv Gateway serves 81 mosquito and vector control and public health agencies in California providing tools for real-time data collection, visualization, and analysis that allows agencies to make informed decisions on interventions. The system tracks disease-spreading mosquitoes – where they are, where they’ve been, where they may appear in the future, and where new diseases might be emerging.

- In 2019, CalSurv Gateway was codified in statute (AB 320 – Quirk) as the statewide surveillance database that enables public health and vector control agencies to proactively identify invasive and native mosquitoes, prioritize problematic areas, and develop the most effective responses to prevent the spread of mosquito-borne diseases.
- In the 2018-19 state budget, there was a one-time provision of \$500,000 directly to UC Davis to support the CalSurv Gateway. This has allowed the program to hire programmers who have developed the following new features:
 - Interactive maps and graphs of mosquito and virus activity showing real-time views of invasive mosquito spread, dengue and Zika infection risk, and mosquito abundance
 - Improved statewide tracking of insecticide resistance
 - Scalable software services that allow local agencies to interact with data and define custom reports

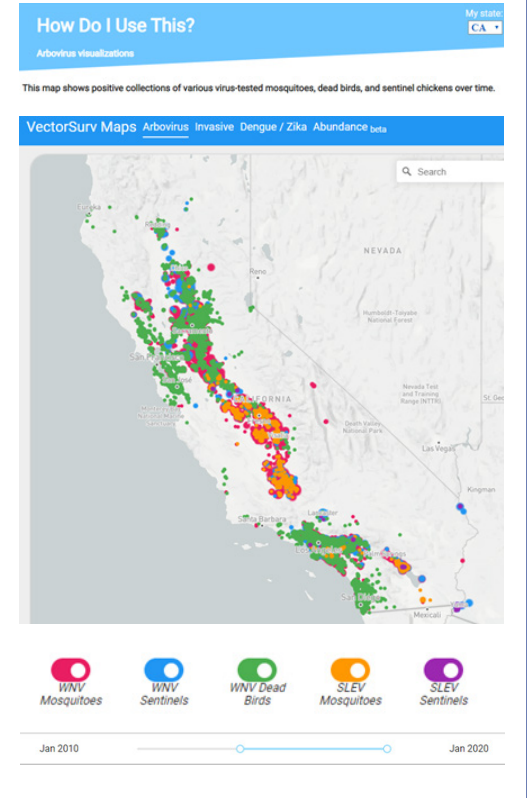
WEST NILE VIRUS HUMAN RISK ASSESSMENT FOR THE WEEK OF JULY 27, 2019



ADDITIONAL FUNDING IS NEEDED TO SUSTAIN AND GROW CALSURV

- Mosquito control needs — the spread of invasive mosquitoes throughout the state, Zika virus emergence and the ongoing burden of West Nile virus — extend beyond the available resources and state support is desperately needed.
- The one-time state appropriation of \$500,000 is being used to support staffing, develop maps and research tools, and maintain software services for the CalSurv Gateway. This funding will run out in June 2020.
- Without additional funding, the CalSurv program will be forced to eliminate staff who support the system, drastically impacting the ability to maintain this valuable research resource and fully support mosquito and vector control districts and public health agencies throughout the state.
- State funding is needed to ensure adequate staffing, provide certainty for future planning, and support the development of new tools such as maps showing insecticide resistance that will guide mosquito control efforts throughout the state.

CALSURV MAP SHOWING MOSQUITO-BORNE VIRUS ACTIVITY DETECTED BY SURVEILLANCE, JANUARY 2010 – JANUARY 2020



Mosquito control and public health professionals need the tools to combat the spread of mosquito-borne diseases. This will ensure that California will be prepared for current and future threats from vector-borne diseases. Funding CalSurv is a cost-effective and smart investment in California’s public health.



Scan this QR code to learn more and see our digital story map



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Impact of Vector-Borne Diseases and the Role of Mosquito Control in California

THE MOSQUITO IS THE DEADLIEST CREATURE ON THE PLANET

- Mosquito-transmitted diseases contribute to the deaths of nearly one million people every year worldwide and sicken millions more.
- In the United States, mosquitoes routinely transmit more than half a dozen viruses, including West Nile (WNV) and St. Louis encephalitis viruses. Some newly established mosquito species in the United States are capable of transmitting several exotic viruses such as chikungunya, dengue, and Zika, which have been transmitted locally in several states and have had devastating effects worldwide.
- There are no human vaccines available for West Nile, St. Louis encephalitis, dengue, chikungunya, or Zika viruses, which are costly to treat and can have long-term health and financial consequences.

WEST NILE VIRUS IS A SERIOUS THREAT

- Infected mosquitoes can spread West Nile virus – a disease which can cause debilitating cases of meningitis, encephalitis, and even death. There is no cure for West Nile virus.
- West Nile virus activity was detected in 34 counties in California in 2019 and there were 214 human disease cases reported, of which 143 (66.8%) were the more severe neuroinvasive form.
- Six West Nile virus-related fatalities from six counties were reported in 2019.
- Since 2003, more than 7,000 human WNV disease cases have been reported in California, including more than 300 deaths.

ZIKA VIRUS IN CALIFORNIA

- No local transmission of Zika virus has occurred in California, but 745 cases of travel-related Zika virus infections have been reported since 2015, many in areas where invasive mosquitoes have been detected. Zika virus can cause miscarriage, stillbirth, and severe birth defects among pregnant women.
- Local transmission of Zika virus has only been reported in Florida and Texas, but it is essential that California enhances its detection and prevention capabilities to ensure that mosquito control agencies, as well as local and state health departments, are adequately prepared to respond to possible local transmission events in the future.

MOSQUITO-BORNE DISEASES HAVE SIGNIFICANT ECONOMIC IMPACTS

- The economic costs to patients can be high, including costs for inpatient and outpatient medical care and rehabilitation, nursing homes, transportation, home health aides, childcare, and loss in productivity.
- The total mean cost of West Nile virus hospitalized cases and deaths reported to the U.S. Centers for Disease Control and Prevention for 1999–2012 was ~\$778 million.
- In 2005, an outbreak of West Nile virus disease occurred in Sacramento County. The total economic impact of the outbreak, including vector control response and patients' medical costs, was \$2.98 million.

Continued

- A study published in the PLOS Neglected Tropical Diseases Journal looking at the potential economic burden of Zika across six states estimated costs of more than \$1 billion dollars if 1% of the population were infected, which would have catastrophic implications to Medi-Cal.

MOSQUITO CONTROL WORKS

- In 2012, the West Nile virus outbreak in Texas focused attention on the importance of having established, efficient mosquito control programs to prevent widespread disease outbreaks. The unprecedented number of human cases (1,868) and deaths (89) reinforced that mosquito surveillance and control are an important use of funds to protect public health.
- Mosquito control agencies in California have protected people against mosquito-transmitted diseases and enhanced quality of life by controlling mosquitoes for more than 100 years. The introduction of invasive mosquitoes and the threat of mosquito-borne diseases such as West Nile virus, chikungunya, dengue, and Zika reinforce the need to support these public health agencies into the future.



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Invasive *Aedes* By the Numbers

“The long-term impact of invasive *Aedes* on our districts’ operations will be catastrophic.”

INVASIVE *Aedes* ARE SPREADING LIKE WILDFIRE

Districts across the state report:

- By the 3rd year of detection they had proliferated over the entire city
- Year over increase was 309%
- 2015: 1 sq. mi; 8 cities; 2019: 100 sq. mi; 31 cities

INVASIVE *Aedes* HAVE A MASSIVE IMPACT ON MOSQUITO AND VECTOR CONTROL DISTRICTS’ BUDGETS

Invasive *Aedes* =



Labor costs
Equipment costs
Testing costs
Pesticide costs
Surveillance costs

“We had to increase our budget by 34% in FY 18/19 for staffing, equipment, chemicals and outreach to deal with the *Aedes* infestation.”

Districts across the state report:

- Need for year-round technicians as opposed to seasonal staff
- Approximately 1000% year-over-year increase in service requests and call volume
- Outreach has increased approximately 500%
- Increased costs for surveillance, pesticides and new equipment including *Aedes*-specific traps and batteries
- Approximately \$12,000 per travel-related *Aedes* disease case in 2019



“We have maxed out the Benefit Assessment and had to reallocate staffing and resources to accommodate the increase in requests and diseases responses.”

INVASIVE *Aedes* REQUIRE INNOVATIVE SOLUTIONS

Invasive *Aedes* mosquitoes exploit small and cryptic water sources and have shown resistance to many commonly used insecticides, limiting the efficacy of traditional control approaches.

- New technologies including a form of Sterile Insect Technique that utilizes a naturally-occurring bacteria called Wolbachia are being evaluated. When *Aedes* males are infected with a particular strain of Wolbachia and then are released to breed with wild female mosquitoes infected with a different strain of Wolbachia the resulting offspring are not viable.

“Initial trials using Wolbachia in Los Angeles County and Fresno County show great promise, but districts need funding to get these abatement techniques off the ground.”

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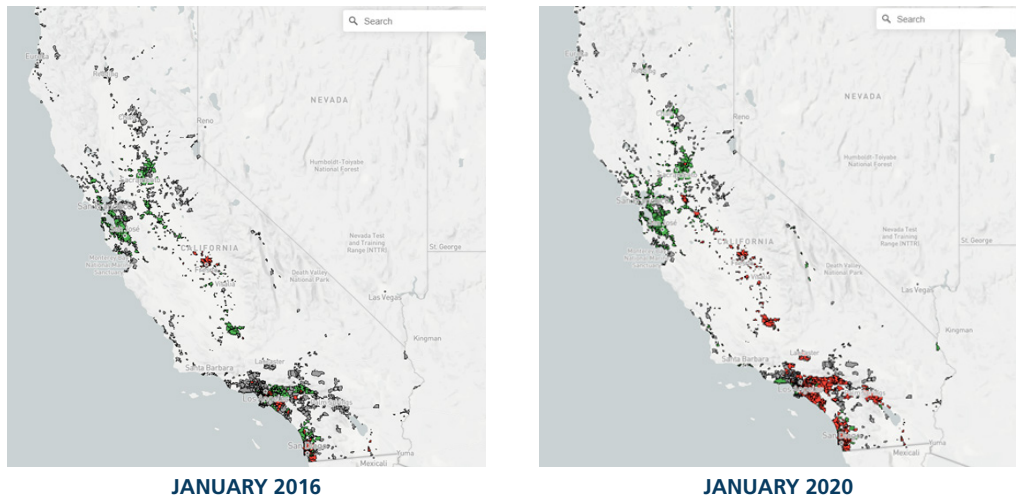
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Mosquito and Vector Control Association of California



Invasive Mosquito Species in California: A Growing and Expensive Challenge

Global warming has facilitated the spread of two invasive mosquito species, *Aedes albopictus* and *Aedes aegypti*, throughout the state. Invasive *Aedes* are vectors of Zika, dengue, chikungunya, yellow fever, West Nile virus, and dog heartworm. With over 6.5 million international travelers arriving at California ports of entry each year, the potential for local transmission of imported diseases in the state is increasing. These invasive mosquitoes are now in 16 counties in California and continue to spread. They pose a daunting challenge for mosquito and vector control districts and a serious public health threat.

CALSURV MAP SHOWING *Aedes aegypti* (IN RED) AND *Aedes* SPECIFIC SURVEILLANCE (IN GREEN)



NEED FOR ADDITIONAL FUNDING TO COMBAT INVASIVE AEDES

The spread of invasive *Aedes* has put an enormous strain on mosquito control districts' budgets. For example, one Southern California district's annual operational expenses increased by 34% as a result of the introduction of invasive mosquitoes. Districts across the state report:

- **Increased costs for staff:** Mosquito seasons now extend well beyond the traditional summer months and districts need year-round technicians as opposed to seasonal staff.
- **Increased costs for surveillance, pesticides and new equipment:** Invasive *Aedes* exploit small and cryptic water sources and have shown resistance to many commonly used insecticides, limiting the efficacy of traditional control approaches and increasing the need for innovative ways to treat this difficult-to-manage species.
- **Increased costs for outreach and education:** *Aedes* females bite throughout the day, resulting in numerous irritating bites, and will follow people indoors. One district had to increase public education efforts by 200% to encourage preventative practices.

- **Increased costs to fulfill additional service requests:** One district saw a 350% increase in service requests over the past 10 years with an exponential increase in 2019 when *Aedes* were detected in their region.

Federal funding that supported enhanced *Aedes* surveillance, control, and education has expired and districts need additional state support in order to prevent future disease epidemics and improve quality of life for Californians.

THE NEED FOR NEW SOLUTIONS

In order to deal with invasive *Aedes* some mosquito control districts have invested heavily in intensive outreach campaigns (media and door-to-door) to encourage the public to help eliminate mosquito breeding sources. Others are refining techniques for wide-area immature mosquito control from air and ground vehicles, which have shown some initial success but are costly and difficult to sustain. One technique that is currently being evaluated in California is a form of Sterile Insect Technique that utilizes different strains of a naturally-occurring insect bacteria called Wolbachia. When lab reared *Aedes* males are infected with a particular strain of Wolbachia and then are released to breed with wild *Aedes* female mosquitoes infected with a different strain of Wolbachia, the resulting offspring do not survive to adulthood. Initial trials in Los Angeles County and Fresno County show great promise, but there are still funding and regulatory hurdles to overcome. Implementation and sustainability of this control method will have a considerable impact on local vector control agency resources that will require partnerships between private industry and state and local government policymakers to ensure success. Unfortunately, this promising potential solution to a growing public health and economic threat is currently unattainable for most mosquito and vector control agencies due to modest annual budgets.



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PARTNERSHIPS

CALSURV GATEWAY

MVCAC played an integral role in the development of the CalSurv Gateway, an online data management and visualization platform that has been used since 2006 by public health and vector control agencies. MVCAC works to secure ongoing support for the CalSurv Gateway so that agencies can better track and predict the emergence of mosquitoes, prioritize problematic areas and develop the most effective responses to mitigate the risks of vector-borne diseases.

WEST NILE VIRUS CALL CENTER

MVCAC collaborates with the CA Department of Public Health to provide information about West Nile virus activity in California and how residents can protect themselves from mosquito-transmitted diseases. Dead birds are often the first indication that West Nile virus is active in an area. Californians are encouraged to report dead birds online at www.westnile.ca.gov or by calling toll-free 1-877-WNV-BIRD (968-2473).

AMERICAN MOSQUITO CONTROL ASSOCIATION

MVCAC partners with the American Mosquito Control Association on federal regulatory and legislative issues that impact mosquito and vector control as well as shares information about innovative research and control techniques in California. MVCAC also helps promote "National Mosquito Awareness Week" which takes place each summer.



OUR MEMBERS

More than sixty mosquito and vector control agencies throughout the state are members of MVCAC. Our membership represents a diverse group of experts with varied interests, all committed to protecting public health and the advancement of the science of mosquito control.

CORPORATE MEMBERS

Mosquito control districts and entities engaged in mosquito and vector control in California

ASSOCIATE MEMBERS

Employees of the universities of California, the state of California, or public agencies outside of California

AFFILIATE MEMBERS

Individuals with mosquito research interest or expertise who do not qualify as Associate members

SUSTAINING MEMBERS

Individuals, organizations, or businesses who desire to contribute financially to benefit mosquito and vector control

HONORARY MEMBERS

Individuals who have contributed exceptional and distinguished service in the interest of mosquito or vector control in California



We are the statewide voice for mosquito and vector control professionals. We provide public health information, expertise, mosquito and vector-borne disease surveillance, innovative research, professional training, effective legislative and regulatory advocacy on behalf of California public agencies.



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MVCAC

Mosquito and Vector Control Association of California

MOSQUITO CONTROL MATTERS

Over a century ago, California enacted legislation to combat mosquito threats in the state. The California Mosquito Abatement Districts Act of 1915 (AB 1590) aimed to control the dangers that mosquitoes posed to California's economic development and health and well-being of its residents.

More than 100 years later, the threat is just as great, and California mosquito and vector control agencies are on the front lines of protecting public health and promoting prevention strategies for mosquito-transmitted diseases such as West Nile, St. Louis encephalitis, dengue, chikungunya, or Zika viruses.

Today, global commerce, travel, and climate change pose an ever-greater public health threat and require complex monitoring and prevention strategies. MVCAC agencies use Integrated Vector Management (IVM), an evidence-based, data-driven decision making tool used to suppress vector-borne diseases.

IVM prioritizes surveillance of mosquito populations, removal of breeding sites, and public outreach and education campaigns. It incorporates various tools to target mosquitoes at different life stages which can include physical, biological and chemical control. When implementing a control program, districts continually evaluate the strengths, weaknesses, risks, and resource cost of each type of intervention to determine what combination in each area is most appropriate for the current risk posed to public health from vectors and the pathogens they transmit.

Throughout the state, mosquito and vector control districts work to protect Californians from the discomforts, health risks and economic impacts of vector-borne diseases.

WHAT WE DO



ADVOCACY

MVCAC is the leading voice for mosquito and vector control in the California Legislature. Each year, the organization hosts a Legislative Day at the State Capitol where participants meet with legislators to promote the importance of mosquito and vector control. MVCAC's legislative committee and advocates monitor legislation that could potentially affect mosquito and vector control and mobilize member agencies to take action. MVCAC members also engage in grassroots advocacy at the district level.

REGULATION & PERMITTING

MVCAC collaborates with state and federal regulatory agencies to ensure that the best vector management practices are implemented across the state in order to protect public health and the environment.

CERTIFICATION & CONTINUING EDUCATION

MVCAC partners with the CA Department of Public Health to provide mosquito and vector control certification and continuing education. This partnership ensures that technicians receive training based on the latest science allowing them to use the most advanced techniques as well as products registered with the U.S. Environmental Protection Agency.

PUBLIC EDUCATION

MVCAC works to increase public awareness and educate Californians about the importance of mosquito and vector control through a variety of activities including "Mosquito & Vector Control Awareness Week," which takes place each spring. MVCAC also collaborates with stakeholders to promote Best Management Practices and increase education about mosquito and vector-borne disease prevention.

MOSQUITO RESEARCH

MVCAC works with the University of California, CA Department of Public Health and the Mosquito Research Foundation to secure funding and support essential research projects benefiting member agencies and public health throughout the state.

COLLABORATION

MVCAC provides a forum for its members to collaborate and support advancements in surveillance, laboratory techniques, and mosquito and vector control and management. MVCAC's annual conference provides an important venue for mosquito and vector professionals to stay abreast of changing trends in the industry.



MVCAC
Mosquito and Vector Control Association of California

ASSOCIATION WEBSITE: www.mvcac.org

AGENCY LOCATOR BY ZIP CODE: westnile.ca.gov

CALSURV WEBSITE: www.calsurv.org



Coachella Valley Mosquito and Vector Control District

March 10, 2020

Staff Report

Agenda Item: Informational Item

Staff report from:

Vector Control Joint Powers Agency (VCJPA) Annual Workshop February 26-28, 2020 in Santa Cruz, California

Report:

The annual workshop of the Vector Control Joint Powers Agency (VCJPA) included a review of VCJPA's finances and various programs, a legislative update from VCJPA legal counsel, a review of service providers, and a training session, *Balanced Leaders and the People Who Follow Them*, presented by Gerry Preciado that outlined effective strategies for leaders in an organization.

The District's current coverages with VJCPA are as follows

- General Liability - limit \$14 million per occurrence
- Worker's Comp - limit \$50 million per occurrence; average claim cost for entire VCJPA membership in 2019 ranged from \$5k to \$28K depending on job class.
- All Risk Property insurance - limit \$1 billion it total for all members. Current property insured by all VCJPA members is \$191 million.
- Auto Physical Damage - \$35K per accident; *may increase in coming physical year based on VCJPA Board action to \$50K or \$100K per accident with minimal change impact to premium.*
- Business Travel Accident - \$150K per accident per covered employee which covers certain staff and Trustees.
- Group Fidelity - \$3 million limit per loss; covers loss to potential fraud or theft of money/property.
- Deadly Weapon Response - \$500K limit per event

Tom Kline, VCJPA Risk Control Manager, covered various trainings being offered to the membership. Trainings for this year by VCJPA have already included defensive driving for District staff. We will also be scheduling Root Cause investigation training aimed and at preventing conditions that cause accidents and also reasonable suspicion training.

ATTENDEES:

Jeremy Wittie, General Manager

Clive Weightman, Treasurer

**COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT
REPORT OF TRUSTEE'S ATTENDANCE
AT CONFERENCE/SEMINAR**

Trustee: Clive Weightman

Name of Conference/Seminar: Annual VCJPA Conf.

Date: Feb 26-28 2020

Location: Santa Cruz, CA.

Significant points learned of benefit to the District and the community:

This was the first time I have attended a VCJPA conference. It was very well worthwhile. I learnt many new things that the VCJPA does for the District that are important for me to understand in the role as District Treasurer. The conference was very well presented and included several very knowledgeable speakers.

In particular I was impressed with the keynote speaker on "Leadership", emphasizing the many styles and approaches that a good leader needs to invoke to achieve success. I would strongly recommend that The District consider inviting him to give a presentation to all managers/supervisors.

In the Pooled Insurance area, the speaker on the "Car Pool" area indicated many claims arose due to backing-up, inattentiveness and unfamiliar treatment areas. Claims have been high in frequency, but low in value.

Reg. AB1234, Section III, Subsection 3.13 ~ Upon returning from seminars, workshops, conferences, etc., where expenses are reimbursed by the District, Trustees will either prepare a written report for distribution to the Board, or make a verbal report during the next regular meeting of the Board. Said report shall detail what was learned at the session(s) that will be of benefit to the District. Materials from the session(s) may be delivered to the District office to be included in the District library for the future use of other Trustees and staff.

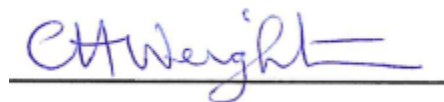
Liability coverage on drones was discussed at length, stress was made to read carefully the existing Memorandum of Coverage. It was suggested that a Pre-flight check list should be created and adhered to. Special attention should be paid to all contracts with suppliers using non-owned aircraft. These contractors should be fully accountable for the entire operations, including all off-loading of materials from the Districts trucks. Our staff should NOT assist in any way. Consideration should be given to establishing a Risk Transfer Insurance agreement and/or purchasing specific liability coverage for non-owned aircraft operations.

Rapid and accurate reporting to ERMA of all incidents is critical.

There was a good presentation/discussion on Cyber Security. Stressing that daily/weekly back-ups should be made that are off-site and have NO connectivity to the Districts infrastructure.

Presentations were made on the outlook on all 4-5 areas of pooled insurance. Most premiums will increase by 5-10% in 2020/21, with a max of 20%. Consideration is being given to raising the car pool insurance per car from \$50 to \$57, including raising coverage to \$100,000 on a full replacement cost basis.

March 1, 2020

A handwritten signature in blue ink, reading "C. A. Wright", is written over a horizontal line.

Reg. AB1234, Section III, Subsection 3.13 ~ Upon returning from seminars, workshops, conferences, etc., where expenses are reimbursed by the District, Trustees will either prepare a written report for distribution to the Board, or make a verbal report during the next regular meeting of the Board. Said report shall detail what was learned at the session(s) that will be of benefit to the District. Materials from the session(s) may be delivered to the District office to be included in the District library for the future use of other Trustees and staff.



**Coachella Valley Mosquito and
Vector Control District**

March 10, 2020

Staff Report

Agenda Item: Informational Item

Staff report from: Pacific Southwest Center of Excellence in Vector-Borne Diseases Annual Progress and Planning Meeting February 19-20, 2020 in Riverside CA – **Jennifer A. Henke, M.S., Laboratory Manager**

Report:

In 2017, the Centers for Disease Control and Prevention (CDC) established five universities as regional centers of excellences to prevent and rapidly respond to emerging vector-borne diseases across the United States. The Pacific Southwest COE is a joint venture of UC Davis and UC Riverside, where researchers address public health challenges using cutting-edge research in surveillance, vector control, genetics, epidemiology, and effective insecticide development. The COE holds an annual meeting, alternating between Davis and Riverside, where researchers meet with CDC officials and vector control professionals to discuss projects completed in the previous year and to plan for the coming year.

The District has had an active role in providing material and working with several of the researchers on projects that benefit the residents of the Coachella Valley as well as southwestern U.S. Lark Coffey, Ph.D., presented on work that the District collaborated with on sugar feeding and detecting virus in sugar wicks. Sarjeet Gill, Ph.D., used mosquitoes from the Coachella Valley and elsewhere to examine mechanisms for insecticide resistance. Aviva Goldmann, Ph.D. presented on the collaborative effort examining pesticide residue on bromeliads that was conducted during wide area larvicide control efforts that the District staff conducted in 2019. District staff are working with several researchers to develop potential projects for 2020.

ATTENDEES:

Jennifer A. Henke, Laboratory Manager
Kim Hung, Vector Ecologist



**Coachella Valley Mosquito and
Vector Control District**

March 10, 2020

Staff Report

Agenda Item: Informational Item

Staff report from: Co-Innovating Solutions for Container Mosquito Control A WALs Summit, February 25, 2020 in Sacramento, CA – **Jennifer A. Henke, M.S., Laboratory Manager**

Report:

Wide Area Larviciding Strategies (WALS) have been under development since the 1980s when researchers working with bacterial larvicides noticed that there was a need to produce small droplets over a large area to control *Anopheles* and *Aedes* mosquitoes in areas where they are important disease vectors. Valent BioSciences has actively worked to improve the delivery mechanisms by backpack, truck-mounted, and aerial applicators to produce effective and efficient application methods.

Work that the District staff have conducted since 2016 has been an important part of the development of this strategy. Previous work had primarily been conducted in more humid environments, so much of the work that we did was helpful to characterize work in more arid environments. Jennifer Henke was invited to share the work that the District conducted via aerial and truck-mounted applications. She spent time hearing how others had modified equipment and what successes they experienced, adding to items that the District staff may explore in 2020 with planned applications to improve efficiency and efficacy.

ATTENDEE:

Jennifer A. Henke, Laboratory Manager



DEPARTMENT REPORTS

Coachella Valley Mosquito and Vector Control District
FINANCES AT A GLANCE
ALL FUNDS COMBINED
For the Month Ended February 29, 2020

	Beginning of the Month	Change During the Month	End of the Month
INVESTMENTS	11,833,478	(503,814)	11,329,664
CASH	460,643	(177,364)	283,279
INVESTMENTS & CASH	12,294,120	(681,177)	11,612,943
CURRENT ASSETS	1,286,948	(30,621)	1,256,327
FIXED ASSETS	10,624,757	-	10,624,757
OTHER ASSETS	4,969,170	-	4,969,170
TOTAL ASSETS	29,174,997	(711,799)	28,463,198
TOTAL LIABILITIES	5,329,057	(105,884)	5,223,173
TOTAL DISTRICT EQUITY	23,845,940	(605,915)	23,240,025
TOTAL LIABILITIES & EQUITY	29,174,997	(711,799)	28,463,198
RECEIPTS			
		\$ 45,458	
CASH DISBURSEMENTS			
Payroll	\$ 372,350		
General Admin	\$ 352,517		
Total Cash Disbursements		\$ (724,866)	
NON-CASH ENTRIES:			
Accrual Modifications -		\$ (32,390)	
Changes in A/P, A/R & Pre-paid insurance		_____	
Change during Month - Excess of Cash over Receipts & Non-Cash Adjustments		\$ (711,799)	

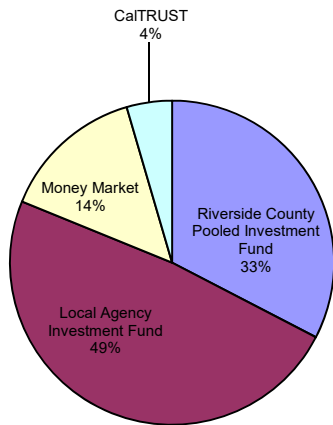
CVMVCD
Cash Journal - deposits
From 2/1/2020 Through 2/29/2020

Effective ...	Transaction Description	Deposits	Payee/Recipient Name
2/6/2020	February Receipts - Reimbursement M.E.	645.20	
2/19/2020	February Receipts - Surplus Vehicles	30,927.00	Paymac Inc
2/24/2020	Aflac Refund	570.67	
2/29/2020	February Receipts	388.78	First Foundation Bank
2/29/2020	February Receipts - Prior Year Supplemental	512.10	Riverside County
2/29/2020	February Receipts- Prior Year Supplemental	<u>12,414.31</u>	Riverside County
Report Total		<u><u>45,458.06</u></u>	

**COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT
INVESTMENT FUND BALANCES AS OF FEBRUARY 29, 2020**

INSTITUTION	IDENTIFICATION	Issue Date	Maturity Date	YIELD	General Fund	Thermal Capital Fund	Capital Equipment Replacement Fund	Capital Facility Replacement Fund	BALANCE
	Investment Fund Balance				8,080,859	6,739	1,398,646	1,843,420	\$ 11,329,664
LAIF	Common Investments			1.92%	3,923,706	3,272	679,120	895,083	\$ 5,501,181
Riverside County	Funds 51105 & 51115			1.82%	2,634,836	2,197	456,041	601,064	\$ 3,694,138
CalTRUST	Medium Term Fund			1.71%	365,045	304	63,182	83,275	\$ 511,806
First Foundation	Market Rate			0.25%	1,157,266	965	200,301	263,997	\$ 1,622,529
	Total Investments				8,080,852	6,739	1,398,645	1,843,418	\$ 11,329,654

**PORTFOLIO COMPOSITION AS OF FEBRUARY 29, 2020
WEIGHTED YIELD 1.64%**



In compliance with the California Code Section 53646; the Finance Administrator of the Coachella Valley Mosquito and Vector Control District hereby certifies that sufficient liquidity and anticipated revenue are available to meet the District's budgeted expenditure requirements for the next six months.

Investments in the report meet the requirements of the Coachella Valley Mosquito and Vector Control District's adopted investment policy

Respectfully submitted

NOTED AND APPROVED

CVMVCD
Statement of Revenue and Expenditures
From 2/1/2020 Through 2/29/2020

	Annual Budget	YTD Budget	YTD Actual	YTD Budget Variance	Current Period Budget	Current Period Actual	Current Period Variance	Annual Budget Variance	Percent Annual Budget
Revenues									
4000 Property Tax - Current Secured	3,825,113	2,046,686	2,075,187	28,501	0	0	0	(1,749,926)	-46%
4010 Property Tax - Curr. Supplmntl	45,034	0	0	0	0	0	0	(45,034)	-100%
4020 Property Tax - Curr. Unsecured	170,237	161,531	159,276	(2,255)	0	0	0	(10,961)	-6%
4030 Homeowners Tax Relief	42,209	21,106	19,161	(1,945)	0	0	0	(23,048)	-55%
4070 Property Tax - Prior Supp.	27,704	0	12,926	12,926	0	12,926	12,926	(14,778)	-53%
4080 Property Tax - Prior Unsecured	8,493	0	0	0	0	0	0	(8,493)	-100%
4090 Redevelopment Pass-Thru	4,478,852	2,239,426	2,281,428	42,002	0	0	0	(2,197,424)	-49%
4520 Interest Income - LAIF/CDs	200,000	100,000	105,642	5,642	0	389	389	(94,358)	-47%
4530 Other Miscellaneous Receipts	63,000	42,000	36,880	(5,120)	5,250	645	(4,605)	(26,120)	-41%
4551 Benefit Assessment Income	2,147,755	1,151,851	1,181,002	29,151	0	0	0	(966,753)	-45%
Total Revenues	11,008,397	5,762,601	5,871,504	108,903	5,250	13,960	8,710	(5,136,893)	-47%
Expenditures									
Payroll Expenses									
5101 Payroll - FT	4,848,777	3,232,518	2,935,451	297,067	404,065	351,638	52,426	1,913,326	39%
5102 Payroll Seasonal	205,140	136,760	147,651	(10,891)	17,095	12,128	4,967	57,489	28%
5103 Temporary Services	6,900	4,600	6,900	(2,300)	575	0	575	0	0%
5105 Payroll - Overtime Expense	18,700	12,467	18,406	(5,939)	1,558	442	1,116	294	2%
5150 CalPERS State Retirement	1,221,020	1,066,592	1,045,728	20,864	38,607	32,516	6,091	175,292	14%
5155 Social Security Expense	304,643	203,095	192,883	10,212	25,387	23,227	2,160	111,760	37%
5165 Medicare Expense	71,247	47,498	46,234	1,264	5,937	5,432	505	25,013	35%
5170 Cafeteria Plan	1,093,206	728,804	804,422	(75,618)	91,101	89,771	1,330	288,784	26%
5172 Retiree Healthcare	352,420	234,947	11,175	223,771	29,368	0	29,368	341,245	97%
5180 Deferred Compensation	105,231	70,154	55,825	14,329	8,769	7,368	1,402	49,406	47%
5195 Unemployment Insurance	32,066	21,378	31,420	(10,042)	2,672	5,517	(2,845)	647	2%
Total Payroll Expenses	8,259,352	5,758,813	5,296,096	462,717	625,135	528,040	97,095	2,963,256	36%

CVMVCD
Statement of Revenue and Expenditures
From 2/1/2020 Through 2/29/2020

	Annual Budget	YTD Budget	YTD Actual	YTD Budget Variance	Current Period Budget	Current Period Actual	Current Period Variance	Annual Budget Variance	Percent Annual Budget
Administrative Expenses									
5250 Tuition Reimbursement	15,000	10,000	7,467	2,533	1,250	2,510	(1,260)	7,533	50%
5300 Employee Incentive	10,000	6,667	5,634	1,032	833	0	833	4,366	44%
5301 Employee Support	3,500	2,333	2,212	122	292	213	79	1,288	37%
5302 Wellness	600	400	185	215	50	0	50	415	69%
5305 Employee Assistance Program	3,500	2,333	2,448	(115)	292	0	292	1,052	30%
6000 Property & Liability Insurance	114,911	67,941	74,533	(6,592)	11,743	11,856	(114)	40,378	35%
6001 Workers' Compensation Insurance	180,303	105,202	58,303	46,899	18,775	18,765	10	122,000	68%
6050 Dues & Memberships	28,500	26,830	27,293	(463)	418	624	(207)	1,207	4%
6060 Reproduction & Printing	26,750	17,833	6,053	11,780	2,229	2,561	(332)	20,697	77%
6065 Recruitment/Advertising	7,000	4,667	4,234	433	583	0	583	2,766	40%
6070 Office Supplies	19,200	12,800	9,930	2,870	1,600	842	758	9,270	48%
6075 Postage	5,500	3,667	1,566	2,100	458	94	364	3,934	72%
6080 Computer & Network Systems	5,000	3,333	3,360	(27)	417	190	227	1,640	33%
6085 Bank Service Charges	120	80	0	80	10	0	10	120	100%
6090 Local Agency Formation Comm.	1,200	1,200	2,287	(1,087)	0	0	0	(1,087)	-91%
6095 Professional Fees	52,500	35,000	37,203	(2,203)	4,375	2,224	2,151	15,297	29%
6100 Attorney Fees	49,000	32,667	41,116	(8,450)	4,083	6,487	(2,404)	7,884	16%
6106 HR Risk Management	4,500	3,000	5,625	(2,625)	375	0	375	(1,125)	-25%
6110 Conference Expense	53,500	36,167	26,359	9,808	9,833	9,931	(97)	27,141	51%
6115 In-Lieu	13,200	8,800	8,800	0	1,100	1,100	0	4,400	33%
6120 Trustee Support	4,800	3,200	3,733	(533)	400	0	400	1,067	22%
6200 Meetings Expense	4,620	3,080	1,149	1,931	385	92	293	3,471	75%
6210 Promotion & Education	26,500	17,667	8,258	9,409	2,208	258	1,950	18,242	69%
6220 Public Outreach Advertising	45,000	30,000	1,762	28,238	3,750	0	3,750	43,238	96%
6500 Benefit Assessment Expenses	96,000	96,000	84,970	11,030	0	0	0	11,030	11%
Total Administrative Expenses	770,704	530,866	424,482	106,384	65,460	57,747	7,712	346,222	45%
Utilities									
6400 Utilities	105,000	70,000	74,690	(4,690)	8,750	4,722	4,028	30,310	29%
6410 Telecommunications	11,000	7,333	23,570	(16,236)	917	4,189	(3,272)	(12,570)	-114%
Total Utilities	116,000	77,333	98,259	(20,926)	9,667	8,911	756	17,741	15%

CVMVCD
Statement of Revenue and Expenditures
From 2/1/2020 Through 2/29/2020

	Annual Budget	YTD Budget	YTD Actual	YTD Budget Variance	Current Period Budget	Current Period Actual	Current Period Variance	Annual Budget Variance	Percent Annual Budget
Operating									
7000 Uniform Expense	30,500	20,400	28,061	(7,661)	2,525	4,211	(1,686)	2,439	9%
7050 Safety Expense	25,000	16,667	10,179	6,488	2,083	1,699	385	14,821	59%
7100 Physican Fees	5,000	3,333	3,805	(472)	417	865	(448)	1,195	24%
7150 IT Communications	40,000	26,667	20,747	5,919	3,333	0	3,333	19,253	48%
7200 Household Supplies	4,000	2,667	2,152	515	333	254	80	1,848	46%
7300 Repair & Maintenance	42,000	28,000	30,180	(2,180)	3,500	506	2,994	11,820	28%
7310 Maintenance & Calibration	7,800	5,200	4,988	212	650	2,088	(1,438)	2,812	36%
7350 Permits, Licenses & Fees	21,750	14,500	3,464	11,036	1,813	45	1,768	18,286	84%
7400 Vehicle Parts & Supplies	39,600	26,400	20,891	5,509	3,300	3,948	(648)	18,709	47%
7420 Offsite Vehicle Maint & Repair	17,000	11,333	21,760	(10,426)	1,417	0	1,417	(4,760)	-29%
7450 Equipment Parts & Supplies	15,500	10,333	10,000	333	1,292	460	832	5,500	35%
7500 Small Tools Furniture & Equip	1,700	1,133	2,351	(1,218)	142	0	142	(651)	-38%
7550 Lab Supplies & Expense	36,500	24,333	15,652	8,682	3,042	1,037	2,005	20,848	57%
7570 Aerial Pool Surveillance	25,000	16,667	54	16,613	2,083	0	2,083	24,946	100%
7575 Surveillance	52,000	34,667	46,262	(11,595)	4,333	1,794	2,539	5,738	11%
7600 Staff Training	87,250	58,167	32,335	25,832	7,271	167	7,104	54,915	63%
7650 Equipment Rental	1,000	667	518	149	83	198	(114)	482	48%
7675 Contract Services	154,800	103,200	77,987	25,213	12,900	22,369	(9,469)	76,813	50%
7700 Motor Fuel & Oils	80,200	53,467	64,107	(10,641)	6,683	6,689	(5)	16,093	20%
7750 Field Supplies	9,400	6,267	7,220	(953)	783	0	783	2,180	23%
7800 Control Products	785,000	523,333	703,929	(180,596)	65,417	0	65,417	81,071	10%
7850 Aerial Applications	124,500	83,000	137,000	(54,000)	10,375	5,125	5,250	(12,500)	-10%
8415 Capital Outlay	53,300	35,533	45,118	(9,584)	4,442	0	4,442	8,182	15%
8510 Research Projects	150,000	150,000	130,454	19,546	0	0	0	19,546	13%
9000 Contingency Expense	150,000	100,000	34,398	65,602	12,500	0	12,500	115,602	77%
Total Operating	1,958,800	1,355,933	1,453,614	(97,681)	150,717	51,454	99,263	505,186	26%
Contribution to Capital Reserves									
8900 Transfer to other funds	503,547	335,698	335,698	0	41,962	41,962	0	167,849	33%
Total Contribution to Capital Reserves	503,547	335,698	335,698	0	41,962	41,962	0	167,849	33%
Total Expenditures	11,608,403	8,058,643	7,608,150	450,493	892,940	688,115	204,825	4,000,253	34%
Net revenue over/(under) expenditures	(600,006)	(2,296,042)	(1,736,646)	559,396	(887,690)	(674,154)			

CVMVCD
Balance Sheet
As of 2/29/2020

		Current Year
Assets		
Cash and Investments		
1000	Cash - Investments	11,329,664.07
1016	Petty Cash	500.00
1017	Petty Cash Checking	1,500.00
1025	First Foundation - General	28,334.32
1026	First Foundation - Payroll	252,944.71
	Total Cash and Investments	11,612,943.10
Current Assets		
1050	Accounts Receivable	20,261.14
1085	Inventory	510,872.04
1168	Prepaid Insurance	137,570.03
1169	Deposits	587,624.00
	Total Current Assets	1,256,327.21
Fixed Assets		
1170	Construction in Progress	7,050.00
1300	Equipment/Vehicles	2,124,325.38
1310	Computer Equipment	450,521.22
1311	GIS Computer Systems	301,597.91
1320	Office Furniture & Equipment	1,218,124.91
1330	Land	417,873.30
1335	Oleander Building	5,665,861.83
1336	Signage	23,651.39
1340	Structures & Improvements	3,026,125.52
1341	Bio Control Building	6,998,161.74
1342	Bio Control Equip/Furn	43,986.77
1399	Accumulated Depreciation	(9,652,522.60)
	Total Fixed Assets	10,624,757.37
Other Assets		
1520	Resources to Be Provided	3,514,102.32
1525	Deferred Outflows of Resources	1,142,648.00

CVMVCD
Balance Sheet
As of 2/29/2020

		Current Year
1530	Deferred Outflows of Resources - OPEB	312,420.00
1900	Due to/from	0.08
	Total Other Assets	4,969,170.40
	Total Assets	28,463,198.08
Liabilities		
Short-term Liabilities		
Accounts Payable		
2015	Credit Card Payable	13,755.19
2020	Accounts Payable	545.73
2030	Accrued Payroll	0.06
2040	Payroll Taxes Payable	65.37
2185	Employee Dues	(65.85)
	Total Accounts Payable	14,300.50
	Total Short-term Liabilities	14,300.50
Long-term Liabilities		
2100	Pollution Remediation Obligation	2,100,000.00
2200	Net Pension Liability	1,585,309.00
2210	Deferred Inflows of Resources	118,606.00
2300	Net OPEB Liability	715,923.00
2500	Compensated Absences Payable	689,034.56
	Total Long-term Liabilities	5,208,872.56
	Total Liabilities	5,223,173.06
Fund Balance		
Non Spendable Fund Balance		
3920	Investment in Fixed Assets	10,698,793.35
3945	Reserve for Prepaids & Deposit	1,373,799.43
3960	Reserve for Inventory	532,128.63
	Total Non Spendable Fund Balance	12,604,721.41
	Committed Fund Balance	

CVMVCD
Balance Sheet
As of 2/29/2020

		Current Year
3965	Public Health Emergency	4,103,640.00
	Total Committed Fund Balance	4,103,640.00
	Assigned Fund Balance	
3910	Reserve for Operations	4,500,000.00
3925	Reserve for Future Healthcare Liabilities	877,253.00
3955	Thermal Remediation Fund	463,724.00
3970	Reserve for IT Replacement	277,991.00
3971	Reserve for Vehicle Replacement	344,376.00
3990	Reserve for Future Constructio	(315.00)
	Total Assigned Fund Balance	6,463,029.00
	Unassigned Fund Balance	
3900	Fund Equity	1,745,084.30
3999	P&L Summary	213,934.75
	Total Unassigned Fund Balance	1,959,019.05
	Current YTD Net Income	(1,890,384.44)
	Total Current YTD Net Income	(1,890,384.44)
	Total Fund Balance	23,240,025.02
	Total Liabilities and Net Assets	28,463,198.08

FINANCE

The financial reports show the balance sheet, receipts, and the revenue and expenditure reports for the month ending February 29, 2020. The revenue and expenditure report shows that the operating budget expenditure for July 1, 2019 to February 29, 2020 is \$7,608,149; total revenue is \$5,871,504 resulting in excess revenue over (under) expenditure for the year to February 29, 2020 of (\$1,736,645).

THREE YEAR FINANCIALS

	Actual	Budget	Actual	Actual
	2/29/2020		2/28/2019	2/28/2018
Total Revenue	5,871,504	5,762,601	5,595,614	5,373,187
Expenses				
Payroll	5,296,096	5,758,813	4,597,866	4,407,180
Administrative Expense	424,482	530,866	404,612	560,475
Utility	98,259	77,333	69,088	60,857
Operating Expense	1,453,614	1,355,933	929,544	814,015
Contribution to Capital Reserves	335,698	335,698	321,743	
Total Expenses	7,608,149	8,058,643	6,322,853	5,842,528
Profit (Loss)	(1,736,645)	(2,296,042)	(727,239)	(467,341)

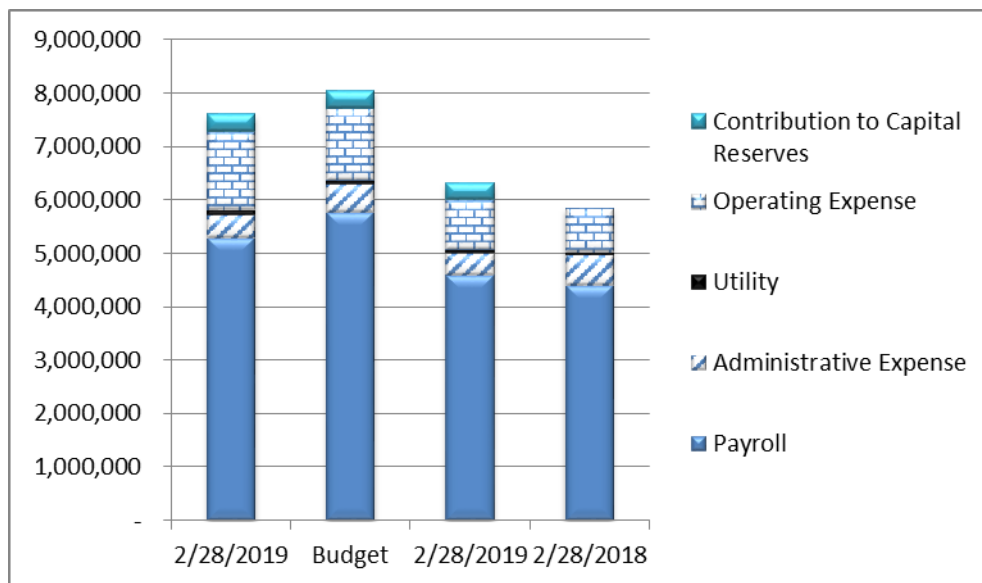


Figure 1 - Three Year Expenditure

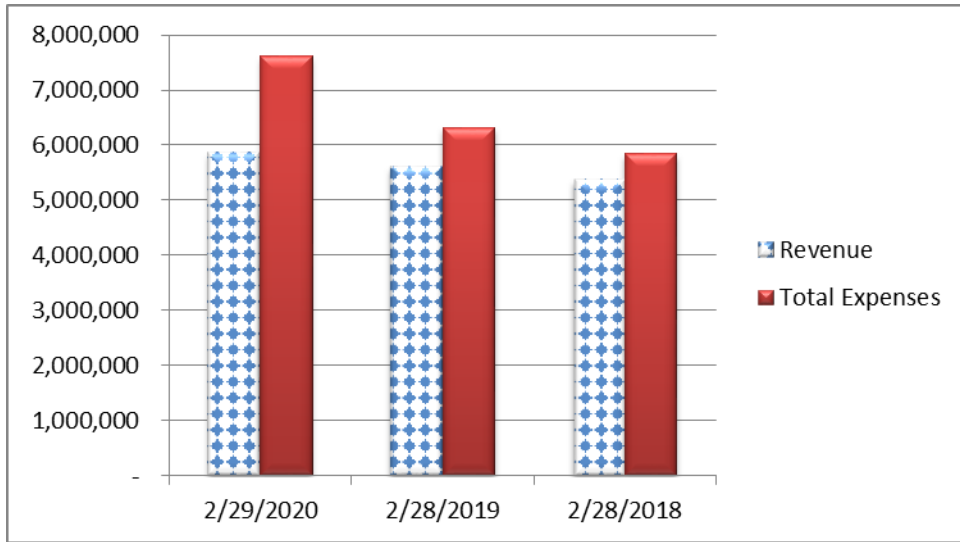


Figure 2 - Three Year Revenue & Expenditure

THREE YEAR CASH BALANCE

CASH BALANCES	2/29/2020	2/28/2019	2/28/2018
Investment Balance	11,329,664	12,289,258	11,547,590
Checking Accounting	28,334	28,635	11,965
Payroll Account	252,945	55,724	96,115
Petty Cash	2,000	2,000	2,000
TOTAL CASH BALANCES	11,612,943	12,375,617	11,657,670

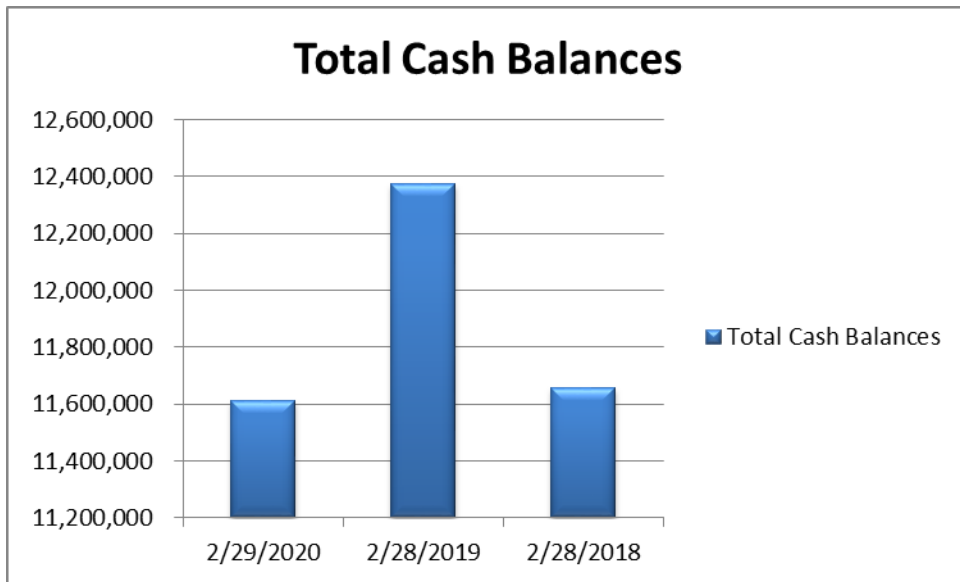


Figure 3 - Cash Balances

DISTRICT INVESTMENT PORTFOLIO 2/29/2020

The District’s investment fund balance for the period ending February 29, 2020 is \$11,329,664. The portfolio composition is shown in the pie chart. Local Agency Investment Fund (LAIF) accounts for 49% of the District’s investments; the Riverside County Pooled Investment Fund is 33% of the total. The LAIF yield for the end of February was 1.92% and the Riverside County Pooled Investment Fund was 1.82%; this gives an overall weighted yield for District investments of 1.64%.

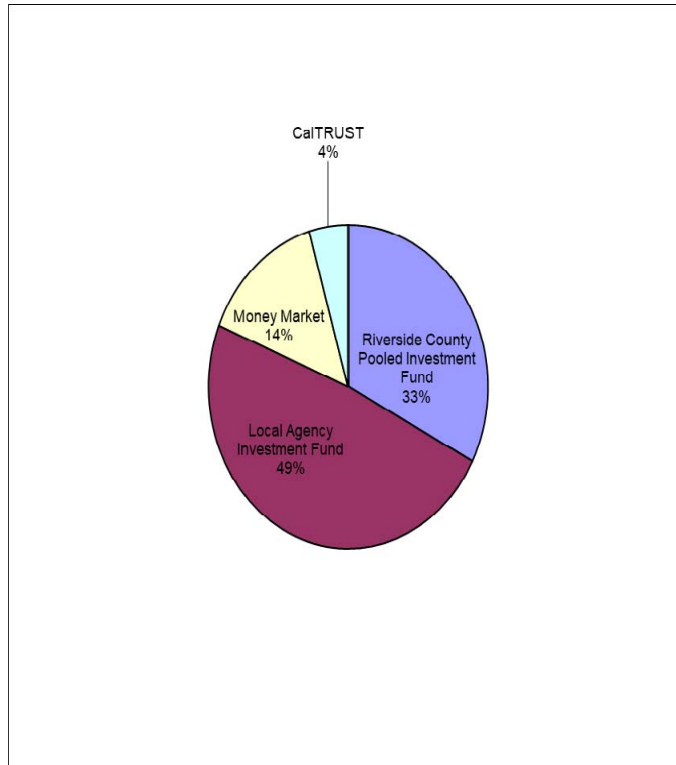


Figure 4 - Investment Portfolio 2-29-20

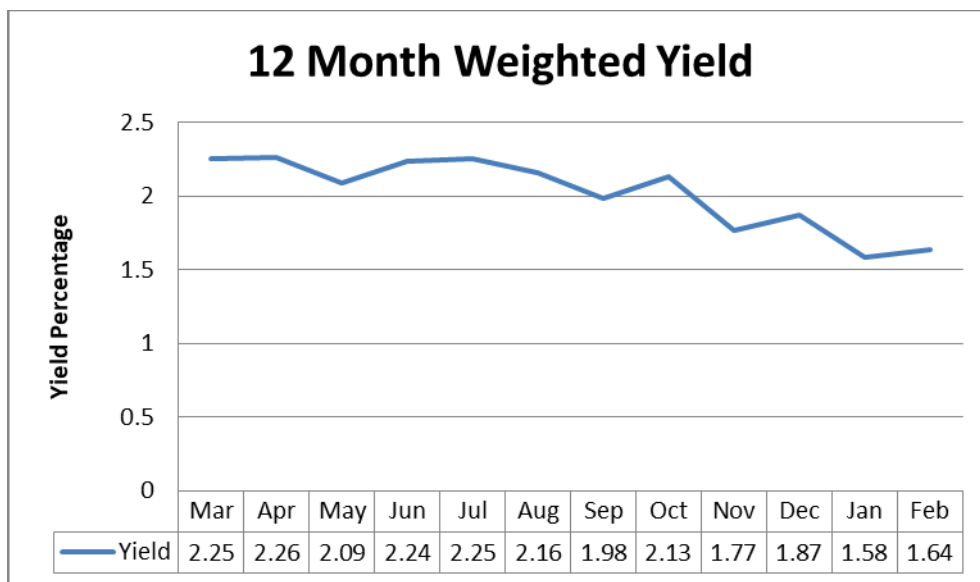
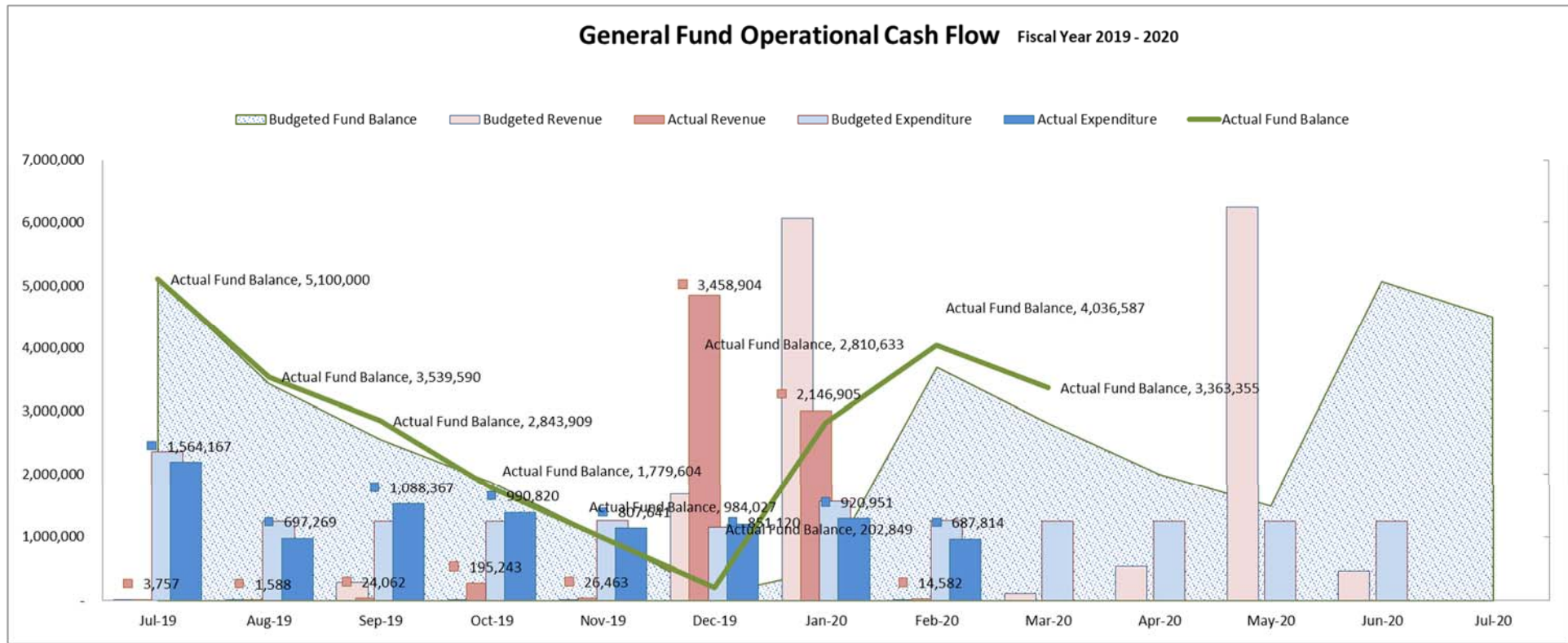


Figure 5 - District Investments Weighted Yield



The **General Fund Operational Cash Flow** graph outlines the District’s working capital for the fiscal year July 1 2019 to June 30 2020. The beginning fund balance is \$5.1 million and ending fund balance is \$4.5 million. Expenditure is approximately divided by 12 equal months, with some differences accounting for the seasonality of the program for example control products and seasonal employment which are greater in the mosquito breeding season. July expenditure is higher than average because of the prefunding lump sum of \$750,000 for CalPERS unfunded liability. The budget also accounts for prepayments. The revenue follows a different pattern, Riverside County distribute the property tax revenue in January and May with advancements in December and April.

The *shaded area* represents the **Budgeted Fund Balance** which has a formula of (beginning) **Fund Balance** plus **Revenue** minus **Expenditure**. The *green line* represents the **Actual Fund Balance** and is graphed against the *shaded area* **Budgeted Fund Balance**.

The graph shows for June 1 the \$5.1 million **Fund Balance** plus total Revenue for July 1 to February 29, 2020 of \$5.87 million minus total Expenditure of \$7.6million is \$3.3 million. For planning purposes the District is slightly under budget, showing expenditure is \$450,493 less than budgeted. Revenue is higher than budgeted by \$108,903, with Property tax and Benefit Assessment receipts higher than anticipated. As long as the green line stays out of the shaded area the District is within budget, as of February 29, 2020, the line is outside the shaded area.

Finance Department

GOAL FINANCIAL MANAGEMENT: EXTEND BUDGETING AND THE FINANCIAL PLANNING HORIZON TO ENSURE LONG-TERM STABILITY, FINANCIAL SECURITY, AND TAXPAYER VALUE.

Goal Statement: Enhance financial policies and practices to further promote long-term financial strength and stability.

- Implement Districtwide Microix Workflow Budget Software
- Update capital reserves study and vehicle replacement schedule
 - Allocate funding for future replacement and enhancements of facilities and equipment
 - Move projects from reserve policy into Capital Budget

Goal Statement: Ensure financing, reserves, and other key financial plans and policies are regularly reviewed and updated.

- Identify key District financial policies and create a timeline for when each policy should be reviewed/or revised by District staff, Finance Committee and the Board.
 - Reserve Policy – review and/or update FY20/21
 - Investment Policy – review and/or update FY20/21

Human Resources

New Employees

- *Eric Ortiz* began work in the position of Vector Control Technician Trainee on December 18th. Eric worked as a Seasonal employee for one season.
- *The following began work in November in the position of Seasonal Vector Control Operator:*
 - *Jose Rodriguez*
 - *Guillermo Delgado*

Recruitment

- Recruitment is continuing for the positions of Operations Manager and Seasonal Vector Control Operator.

Training

- All District employees completed ALICE (Alert, Lockdown, Inform, Counter, Evacuate) online training. ALICE provides preparation and a plan on how to more proactively handle the threat of an aggressive intruder or active shooter event.

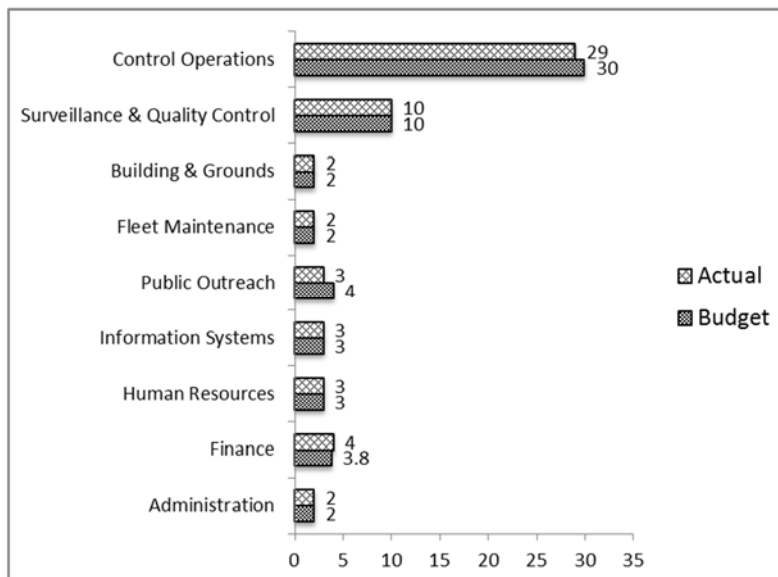
Team Building

- District staff participated in a team building event on January 10, 2020, held at the Escape Room in Palm Springs. This event facilitated an interaction between the employees that encouraged communication, organization, and strategic approaches to solving problems.

Human Resources Department Goals for 2020 – Due December 2020

- Revise performance evaluation forms for all job classes.
- Develop a supervisory employee professional development program.
- Update Personnel Policies, Procedures and Regulations Manual.

Regular Employee Headcount by Program



Information Technology

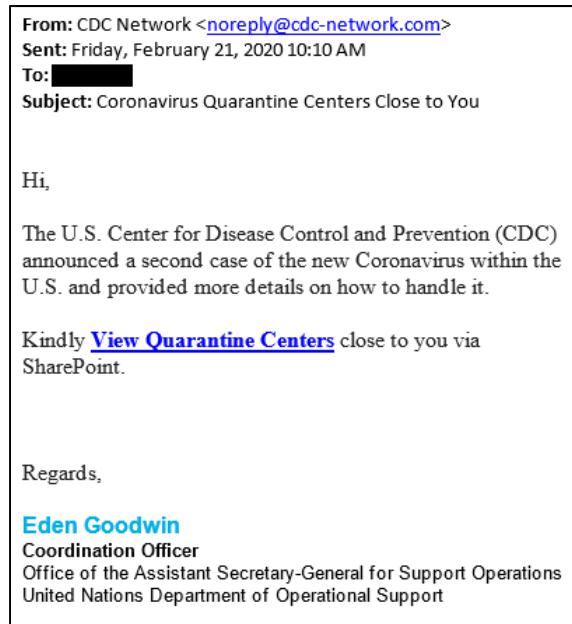
Email Security Awareness Report Card

Group: District Employees

Two campaigns have been initiated in the month of February along with one Scam of the Week Informational Item dealing with 'Malicious Apps in the App Store'. The Scam of the Week informs users, Google recently removed several applications (apps) from their Google Play store because they contained a strain of "clicker" malware that can view your sensitive data. KnowBe4 reminds users 'Stop, Look and Think...When in doubt, avoid downloading questionable applications, and look for a safer alternative.

Testing users security engagement, a Coronavirus Phishing Campaign was initiated. The Phishing Email to the right offered a link to view quarantine centers near the user via a SharePoint Link. The red flags in the email are the email address ending in dot-com (.com), SharePoint Link directing users to 'http://breakingnew.comano.us' and the signature is from the United Nations Secretary-General.

Eleven users opened the email and unfortunately eight user clicked the hyperlink directing user to KnowBe4's 'Opps! You clicked on a simulated phishing test.'



Using this information, additional campaigns will focus around current events to test users' security engagement. The IT Department received three phone calls and two emails from staff reporting the unusual emails from the campaigns, highlighted in the table below.

Email Phishing Campaigns	Sent	Delivered	Opened	Reported	Clicked	Failed %
CDC Health Alert Network: Coronavirus Quarantine Centers Close to You (Link)	57	57	11	0	8	14
Pantera Bread (Panera Bread): Try our new bowls! (Link)	47	47	0	0	0	0
Overdue Invoice (Excel Attachment with Macro)	58	58	4	0	0	0

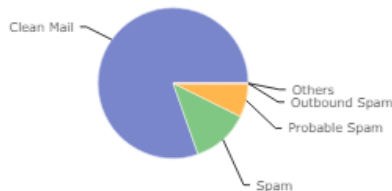
Information Technology

Instagram: Unidentified Device (Link) (Credentials Landing Page)	58	58	8	0	2	3.4
Dick's Sporting Goods: Score 50% Off Holiday Deals + Up to 25% Off (Link)	97	97	3	0	0	0
Spirit: 50 Off Halloween Purchase Deal (Link)	59	59	7	0	0	0
CNN News: Trump to Purchase Christopher Columbus's Remains for Display in White House (Link)	55	55	3	0	0	0
Navy Federal Credit Union: Free \$100 Holiday Gift Card (Link)	58	58	0	0	0	0

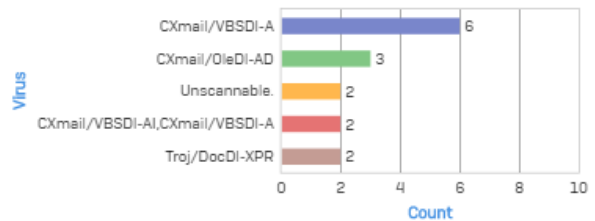
Mail Traffic Summary

This overview displays the types of email traffic along with the number of emails and percentage distribution among the traffic type, as well as, a list of viruses blocked by the Firewall with the number of occurrences per blocked virus.

Mail Traffic Types



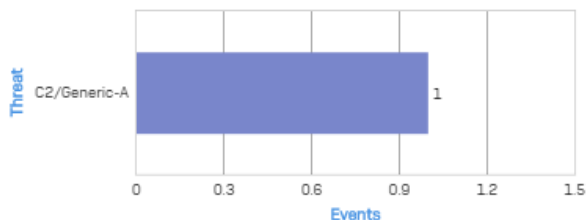
Blocked Viruses



Traffic	Mail count	Percent
Clean Mail	77262	80.38 %
Spam	11850	12.33 %
Probable Spam	6966	7.25 %
Outbound Spam	20	0.02 %
Others	18	0.02 %

Virus	Count
CXmail/VBSDL-A	6
CXmail/OleDI-AD	3
Unscannable	2
CXmail/VBSDL-AI, CXmail/VBSDL-A	2
Troj/DocDI-XPR	2

Blocked Malware



Threat	Host count	Origin	Events
C2/Generic-A	1	Web	1

Information Technology

Fleet Services

December 2019, Fleet Services received four green Workhorse Bodies to replace the blue Yamaha Ordered at the Board of Trustee Meeting in February 2019. The workhorse bodies were replaced at no cost.

February 2020, Juan Carols Herrera, Shop Mechanic I passed three exams from the Automotive Service Excellence (ASE):

- A1 – Engine Repair
- A6 – Electrical/Electronic Systems
- A7 – Heating & Air Conditioning

The National Institute for Automotive Service Excellence is an independent non-profit organization working to improve the quality of vehicle repair and service by testing and certifying automotive professionals. To remain ASE certified, professionals must retest every five years to keep up with ever-advancing automotive technology.

2020-2021 Information Technology Department Goals

- Implement a tablet based IVM Application Data System
 - Evaluate and implement new District mobile system capable of incorporating routing operations department field staff workflow. (2018 SIP)
 - Review, Enhance and modify all reports
 - Display Gateway Data
- Prepare for Unmanned Aerial (UAS) Aerial Applications
 - Acquire the proper certification and regulatory documentation to apply using UAS
- Effective, Secure and Scalable Backup Solutions
 - Cloud Replication with Veeam Software
 - Backupify.com for Office 365

SURVEILLANCE AND QUALITY CONTROL MANAGEMENT PROGRAM

The vector-borne statewide surveillance program was established in 1969. The District began encephalitis surveillance in the early 1980s and the surveillance program has been in place since 1990. The District program includes the monitoring of vector and vector borne diseases and the implementation, evaluation and analysis of integrated vector management strategies in the Coachella Valley. Information generated by this department is used by District Operations staff to ensure control measures are efficiently implemented in the field.

DISEASE SURVEILLANCE (As of 2/28/2020)

California – Last year West Nile virus activity in people was higher than in 2017 but lower than the five-year average. No activity has been reported in 2020. St Louis encephalitis virus was detected in fewer counties in 2019 than in 2018 (12 compared to 10), but there were approximately the same number positive mosquito samples. There were 6 human cases in California, one more than in 2018.

Coachella Valley – Testing mosquitoes for arboviruses is being conducted at the District. Thus far in 2020 there have not been any mosquito samples that have tested positive for WNV or any other virus. Viruses in mosquitoes are usually first detected beginning in June, although earlier viruses detections have been made in the District during previous years.

ENDEMIC MOSQUITO SURVEILLANCE

CO₂ TRAPS

During the normal mosquito season (March through mid-November) the District Laboratory staff maintains 109 CO₂ (carbon dioxide) traps through the District to monitor the mosquito populations. Extra emphasis is placed on mosquito species that are known to be vectors of virus that cause human disease. These vector species in the Coachella Valley are *Culex tarsalis* and *Cx. quinquefasciatus*. In the rural areas *Cx. tarsalis* is the most abundant vector species. CO₂ traps release carbon dioxide to attract mosquitoes looking to obtain a blood meal and are very effective at collecting *Culex* mosquitoes. The average number of vectors captured per trap per night is monitored and used to guide operational activities of the District. The number of mosquitoes collected in half-month periods is compared to the previous 5-year average to determine anomalies in mosquito abundance. The surveillance program mosquito abundance is broadly reported in two areas – Urban and Rural. These Urban and Rural areas are also broken down into smaller zones to look at more specific regions of the Districts when planning mosquito control activities.

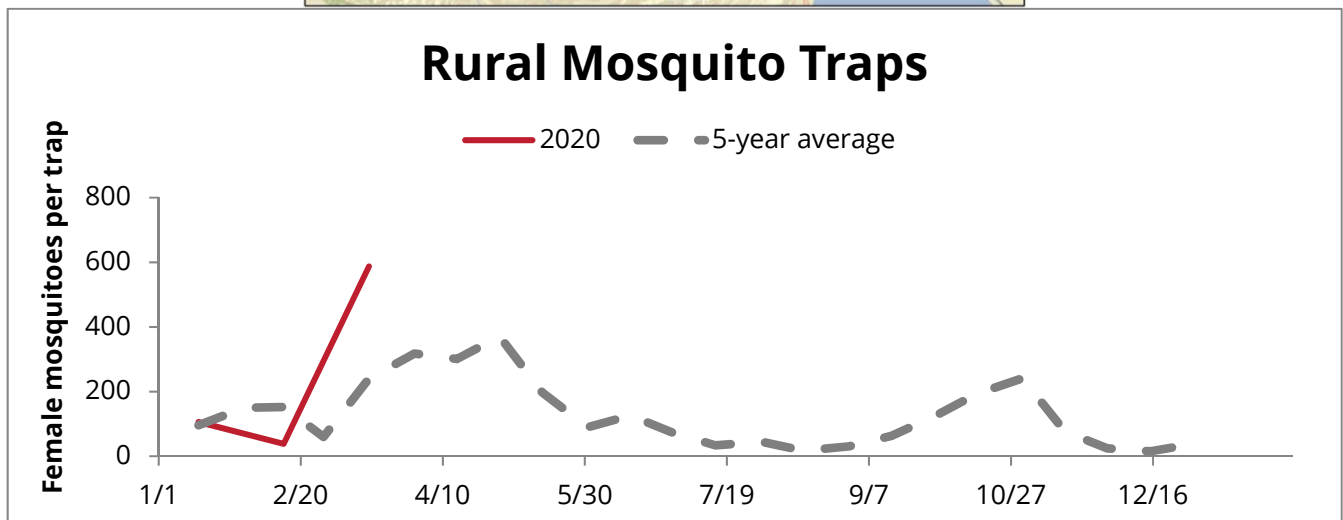


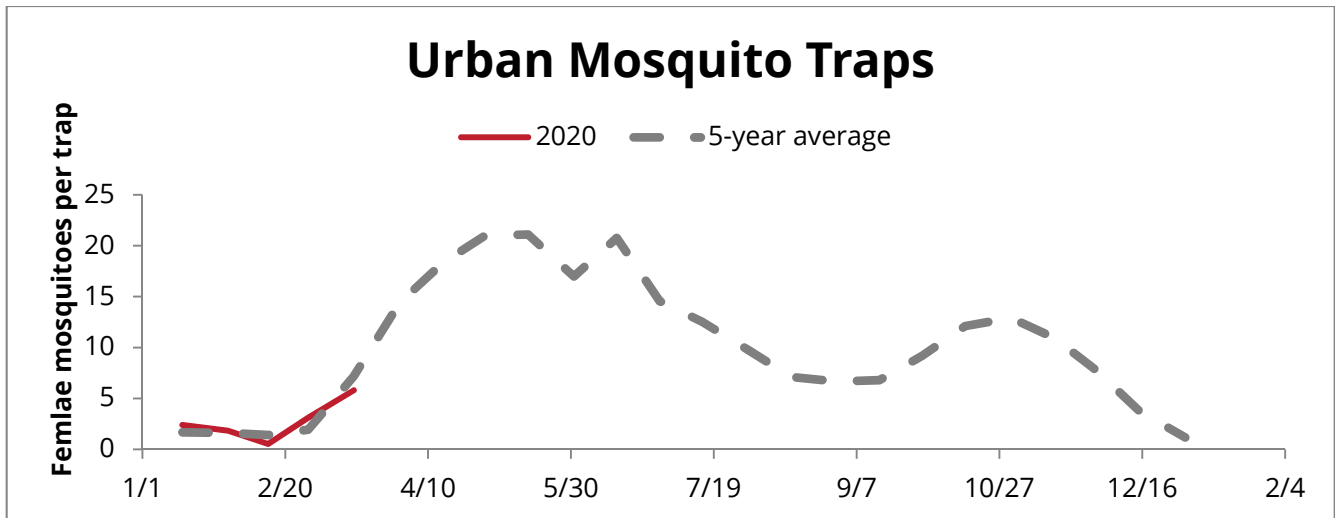
Gravid Traps

Gravid traps use water infused with organic matter such as alfalfa to attract mosquitoes looking to lay eggs. These traps are especially effective at collecting *Cx quinquefasciatus* mosquitoes, which are the primary disease vector in the urban areas of the District. However, other mosquito species, including *Cx tarsalis* are not attracted to these traps. Because of their use in targeting *Cx quinquefasciatus* mosquitoes these traps are placed in urban areas of Coachella Valley. The District currently uses gravid traps at 53 locations during the normal mosquito season.



MOSQUITO SURVEILLANCE ZONES





EXOTIC MOSQUITO SURVEILLANCE

Aedes aegypti has been detected throughout the District service area. BG-Sentinel traps are deployed weekly at each region to detect and monitor for adult mosquitoes. We have 53 permanent BG trap locations which are being systematically reviewed and adjusted in 2020 to re-balance the sampling effort. When *Aedes* were first detected in 2016, we established trap locations only in the specific areas of the Valley where the mosquitoes were being found at the time. As our detections determined that *Aedes* was in a larger area, it is important that we adjust our surveillance efforts accordingly. Using past collection results from both our traps and home inspections, we have developed a plan to optimize the placements of our BG-Sentinel traps. This will be done on a city by city basis, beginning with Coachella in March. The goal is to have roughly 8-10 traps per city, spread out geographically, by the end of the year. This should result in a much more even and widespread distribution of our trapping efforts for *Aedes aegypti*.



SURVEILLANCE STUDIES

Trap efficacy. The BG-sentinel trap has proven to be the most efficient in collecting *Aedes aegypti* adults and is used world-wide in detections. However, these traps are expensive and require more resources than a traditional CO₂ trap. We conducted a study from August to mid-November to determine whether modifying our standard CO₂ traps would improve their *Ae. aegypti* catch rate. These modifications included lowering the height of the trap, as well as adding a BG lure scent stick to the dry ice bait. A three-way comparison was conducted by placing each trap type at four routine *Ae. aegypti* surveillance locations one night per week. While the modified CO₂ caught more *Ae. aegypti* than the standard CO₂, it did not match the efficacy of the BG-sentinel trap. We plan to continue using the BG-sentinel trap for *Ae. aegypti* surveillance in 2020.



Modified CO₂ trap in the field.

***Aedes aegypti* rearing.** *Aedes aegypti* mosquitoes can be used for evaluation and resistance monitoring control efforts. Methods for rearing an ongoing *Ae. aegypti* colony in the lab are being tested. Two methods were used for blood-feeding female *Aedes* adults. An artificial device made of a hog-casing membrane with defibrinated calf blood and the other is a bird which has been used for *Culex* females. Although *Aedes* females blood fed from both, keeping the blood membrane warm required more time than the bird. The membrane would cool quickly and have to be put in warm water to re-heat or wrapped with a hand warmer to stay warm. A low level of dissolved oxygen in water can trigger egg hatching for *Ae. aegypti*. Egg papers were placed in small water filled containers of Reverse Osmosis (RO), deionized, and distilled water and observed daily for hatching. The hatching rate is currently being examined to compare which of these types of purified water has a better hatching rate.

PRODUCT EFFICACY

Resistance Testing. Bottle bioassay resistance testing is conducted annually to monitor effectiveness of products used to control adult mosquitoes. By exposing mosquitoes to a small amount of product, wild mosquitoes are compared to our susceptible strain laboratory-reared mosquitoes. This year, we plan to examine pesticide resistance of *Culex tarsalis*, *Cx. quinquefasciatus*, and *Aedes aegypti* to a number of products we are currently using and potential products we may want to use at the District. These products include Scourge 18+54, Aqua Reslin, DeltaGard, Duet, Merus 3.0, Zenivex E4, and Naled. After conducting bottle bioassays, we will verify product efficacy by doing semi-field and field trials against local wild adult populations. Evergreen 5-25 cannot be conducted with bottle bioassays and we will be monitoring resistance for this product with semi-field and field studies.

We will also conduct cup assays to examine resistance to active ingredients in control products for larval mosquitoes. This year, we are working on our standardized procedures, with plans to examine the pesticide resistance of *Culex quinquefasciatus*, *Cx. tarsalis*, and *Aedes aegypti* to bacterial larvicides (Bti, *L. sphaericus*, and spinosad) and insect growth regulators (methoprene).

Salt feeding in mosquito adults. The District along with other labs participated collaboratively with the University of Southern Mississippi to conduct a study with different species of mosquitoes to examine how different feeding treatments would impact adult mosquitoes. The marketed product has salt and sugar with no other active ingredients. The District used *Culex quinquefasciatus* and *Cx. tarsalis* adults for the study. There were ten males and ten females, less than one week old per cage, for a total of twelve cages. Food treatments were given with an absorbent wick placed in a vial inside the cage. The treatment levels used were water only (negative control), salt only (1.03%), sugar only (8% and the positive control), and salt and sugar (1.03% and 8% respectively). We found that mosquitoes given water only or salt only dies faster than those given sugar or sugar and salt, emphasizing the importance of sugar for mosquito health.

EXTERNAL RESEARCHERS

Dr. David Oi, USDA Center of Medical, Agricultural, and Veterinary Entomology, worked with District staff in February to select locations for the comparisons for the efficacy of standard fire ant bait under several irrigation patterns. Two sites were selected, and each site will be partitioned into segments where 1. irrigation is temporarily withheld after bait application; versus 2. the normal irrigation pattern is followed after baiting; and 3. the normal irrigation pattern is followed on an untreated, control site. The trials will begin in mid-April of 2020.

ENVIRONMENTAL COMPLIANCE

NPDES. The District submitted its Annual Report for 2019 to the State Water Resources Control Board and Colorado River Regional Water Quality Control Board on February 29 for compliance with the Clean Water Act's National Pollutant Discharge Elimination System Permit. The District also submitted its Annual Report to the Environmental Protection Agency for activities conducted on tribal property on February 15.

CALIFORNIA ENVIRONMENTAL QUALITY ACT. The District filed its Annual Report for 2019 in-house on February 1 as required by its Mitigated Negative Declaration for its Integrated Vector Management (IVM) Program. Overall, the District complied with the Mitigation Monitoring and Reporting Program, designed to ensure that the IVM Program does not have a significant impact on the environment.

PESTICIDE ENVIRONMENTAL STEWARDSHIP PROGRAM. The District filed its PESP report on its work completed being a steward of the environment while responsibly using pesticides on January 31.

Projects from Strategic Plan due in 2020

1. Real cost of arbovirus emergency response plan
2. Feasibility of sterile insect releases for control of vectors
3. Implement protocols for CDZ testing for *Aedes* as outlined in Dec. 2019
 - a. Budget to bring in primers for late summer 2020 to be able to conduct work on-site if local transmission occurs

Review samples sent in 2019 to ensure adequate budget for off-site testing for 2020

Operations Department

General Control Overview

This update covers the months of November 2019 through February 2020 contrasted with the same period in 2018 and 2019. The department’s workflow focuses on three areas that include 13 urban and four rural and agricultural zones that are covered by 17 technicians. Two additional workflows are the Red Imported Fire Ants (RIFA) and the Invasive *Aedes* programs that each has assigned two full-time technicians, assisted by five seasonal staff on each program.

Larval Mosquito Inspections and Control (non-invasive Aedes)

The operations activities completed in the November 2019 through February 2020 were compared to similar months in 2018 and 2019 are as follows:

Month	Mosquito larval Inspections		Total ground larval applications		Total aerial larval applications	
	2018-2019	2019-2020	2018-2019	2019-2020	2019	2020
November	1720	1300	1711	920		
December	2461	1775	1131	866		
January	3562	2773	1331	1061		
February	3549	3065	1150	1584	1	1
Total	11292	8913	5323	4431	1	1
% Change	-21		-17			

The month- to-month mosquito inspections and treatments in November 2019 through February 2020 were less than the similar months in 2018 – 2019 due to the amount of unprecedented rain we had during that time and usually dry sites held water.

Control of invasive *Aedes aegypti*

In March 2018, the Operations Department started conducting its inspections and control of *Aedes aegypti* by the Invasive *Aedes* Program of two full-time technicians assisted by five seasonal staff. The staff has been canvassing neighborhoods for properties infested with *Aedes aegypti* mosquitoes confirming the presence of eggs, larvae, pupae and/or adults. The inspections and treatments over these four months were conducted in the cities of Coachella, Indio, Cathedral City, Palm Springs, Palm Desert, Rancho Mirage, Indian Wells, Desert Hot Springs and Mecca. Treatments of properties against invasive *Aedes* is being conducted by treatments of such properties which include barrier sprays and residential fogging with larvicides and adulticides. As more cities have expanded their *Aedes* infestation, the treatments have been increasing slightly from the same time period as last year.

	Invasive <i>Aedes</i> Inspections		Invasive <i>Aedes</i> Treatments	
	2018- 2019	2019- 2020	2018- 2019	2019- 2020
November	840	1050	744	380
December	1085	1528	237	191
January	1057	1677	80	188
February	941	1458	96	71
Total	3923	5713	1157	830
% Change	+46		-28	

In the months of December 2019 through February 2020 the inspections increased compared to the same time in 2018 due to the rule of nine we do with each Service Request and the treatments went down due to only treating properties that have sources that warrant the treatment.

The Red Imported Fire Ant Program

The RIFA program inspections and chemical control applications in the months of November 2019 through February 2020 are compared to those conducted over the same period a year ago are shown below. The inspections and treatments for RIFA during this reporting period were slightly higher than compared to the same period a year ago. This increase in inspections and treatments was mostly due to the increased scheduling of large properties.

	RIFA Inspections		RIFA Treatments	
	2018-2019	2019-20	2018-19	2019-20
November	260	234	224	256
December	135	161	156	124
January	111	164	157	92
February	121	136	128	89
Total	627	695	665	561
% Change	+11		-19	

Service Requests

In the months of November 2019 through February 2020, the Operations Department completed 741 Service Requests (SR) from residents compared to 835 Service Requests during the same period a year ago. The service requests for both of these reporting periods was mostly in response to *Aedes* and RIFA Service Requests.

Operations Department Goals for 2020-2021

1. Develop and evaluate new tools and strategies for effectively managing vectors and vector-borne disease.
 - a. Re-organize the Operations Department Budget and Personnel plan.
 - Separate each program (Aedes, RIFA, and General Mosquito) into individual budget sections to analyze chemical needs, equipment needs and personnel costs and needs. Work with Finance on budgeting spreadsheets.
 - b. Develop personnel needs for each program.
 - 4 Supervisors (current)
 - 3 Lead Technicians (2 current), one for each program. Lead Technicians have extensive job duties and implementing those into each program to gain more follow-ups, reports and analyzable data.
 - With Lead Technicians in each program, this would enable the Field Supervisors to connect more with their assigned staff in the field and increase community engagement instead of processing all of the above tasks assigned to Lead Technicians.
 - c. Determine the parameters of using permanent part-time workers vs. seasonal employees to be used throughout all programs.
2. Increase the understanding and support of the public for the District's mission and activities, and inspire their active engagement in controlling vectors.
 - a. Work with city departments to ensure city support for and adherence to Best Management Practices (BMP) for Mosquito Control. Two cities have already started their partnership with us on BMP for the worst mosquito breeding sites in their cities jurisdiction (Indian Wells and Desert Hot Springs). We plan on meeting and working with all cities in the Coachella Valley to address these issues.
3. Develop and evaluate new tools and strategies for effectively managing vectors and vector-borne disease.
 - a. In order to protect Public Health, it is necessary to identify difficult properties that have a long-standing history with non-compliance on their swimming pools. This takes great time and effort on the whole department. Once the properties are identified the Abatement procedure can assist us in the effort of protecting the Public Health.

Public Outreach Department

Recent Outreach

DECEMBER

- **Cathedral City Elementary 5th Grade Tour 12/3** – About 70 5th graders and their chaperones visited the District campus to learn about lifecycles. By touring the District and listening to short presentations, students were able to get an up close look at the District’s specialized equipment, traps, mosquitofish, as well as get some hands on fun with games lead by District staff. About 12 District staff supported this tour.
- **Valle Del Sol Elementary Science Night 12/5** – Tammy Gordon engaged with elementary students in Coachella to discuss “the deadliest animal in the world!”
- **Ronnie’s House for Hope Winter Festival 12/7** - Diana Reyes and Erica Frost staffed a booth at this Palm Desert event.
- **Jackson Elementary School 3rd grade visit** – Tammy Gordon presented to each 3rd grade class at this Indio elementary school, roughly 100 students and teachers.

JANUARY

- **Desert Mirage High School Mentorship Program 1/16** - Tammy Gordon participated in this four part mentorship program. Meeting with at risk Thermal youth, the program aims to peak interest with the students in local opportunities. Discussing public health career opportunities with a variety of education levels, the program presents the District goals and what the students can do to protect their communities.
- **Science Fairs (3)** – Each of the three local school districts held science fairs in January for their respective areas. Our CVMVCD biologists/ecologist were able to judge entomology projects. Each of the winners was presented “Best Entomology Award” at the awards ceremony.

FEBRUARY

- **Trilogy HOA 2/10** – Roughly 60 Trilogy Polo Club residents attended and evening presentation requested by the HOA entitled “How To Avoid Desert Dweller Disasters!” This was co-presented with Tammy Gordon and staff from the Living Desert.
- **Date Festival 2/14-23** – The annual Riverside County Fair was another great success. We had 23 staff members working the booth and engaging with a total of 4,164 community members and visitors to the Coachella Valley.

- **National Association of Residential Property Managers 2/20-21** – Four staff members divided shifts over this two day conference and engaged with property managers from throughout California. This booth was in conjunction with MVCAC’s outreach strategy and goals.
- **Cathedral City Rotary Club 2/25** – As the lead guest, Tammy Gordon presented a District overview and challenges the Coachella Valley faces to about 15 club members.
- **DSUSD Head Start Program 2/29** – Diana Reyes and Erica Frost staffed a booth at the introduction and parent day for new Head Start applicants. Head Start is a free pre-school offered by DSUSD.

MARCH


- **Legislative Day 3/4** – Jeremy Wittie and Tammy Gordon lobbied for mosquito control awareness with state representative in Sacramento.
- **Wildflower Festival 3/7** – The Public Outreach Department staffed a booth at this all day festival in Palm Desert.
- **Cathedral City 9th Grade HEAL Tour 3/9** – About 75 9th graders and their chaperones visited the District to better understand our mission and work load. Staff presented on a variety of topics including; specialized equipment, trapping, lab identification, mosquitofish, and protected species in the Coachella Valley.

Spring - Up and Coming Outreach

- DSUSD Head Start Program
- Westside Elementary School Presentation
- City of La Quinta Birthday and City Picnic
- Earth Day at the Living Desert
- Inland Empire Disabilities Expo
- Desert Mirage High School Mentorship Program

Department Goals

1. Hiring new staff to combat the challenges in Public Outreach balancing between in-office planning, strategies, development of programs, etc. and attending out of office presentations, events, and community education opportunities.
2. Expanding digital and online outreach opportunities including purchasing the NextDoor social media platform.
3. Expanding professional development, staff training and networking opportunities with mosquito-borne disease management professionals as well as individuals in the profession of public information and outreach.


	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>March 10, 2020</p>
<p>Agenda Item: General Consent</p> <p>Approval for one additional staff member to attend the American Mosquito Control Association (AMCA) Annual Conference March 16-20, 2020 in Portland, OR in an amount not to exceed \$2,000 from Fund 7600.01.500.027, Professional Development – Roberta Dieckmann, Interim Operations Manager</p>		
<p>Background:</p> <p>The 86th Annual Meeting of the American Mosquito Control Association will be held in Portland, Oregon from March 16-20, 2020. The meeting will consist of presentations and exhibits that illustrate and highlight the latest science, technology and products used to conduct research and control vectors. This meeting also provides opportunities to network with vector control professionals, researchers, and educators from around the world. The AMCA Annual Meeting is an essential meeting for staff to attend because of the symposiums that include both the historical and future global vision of:</p> <ul style="list-style-type: none"> • GIS/GPS • Legislative/Regulatory • Management • Public Relations and education • Systematics – and more <p>Additional Staff Member:</p> <p>Trinidad Haro, Vector Control Technician I – Trinidad was recently selected by the AMCA as the recipient of the Boyd Ariaz Award. This award recognizes individuals who have made exemplary contributions to the Association, to medical entomology and public health, and to the development and implementation of mosquito control methods and/or equipment. Aside from this special recognition and award, the AMCA will also give Trinidad a complimentary conference registration, a \$200 monetary award, and reimburses the District up to \$500 for travel-related costs.</p>		
<p>Staff Recommendation:</p> <p>Staff recommends approving funding for one additional staff member to attend the 2020 AMCA Annual Conference.</p>		

Fiscal impact:			
FY2019-20 Budget GL # 7600.01.500.027 Professional Development	Current Available Funds	Proposed Expense Fiscal Year 2019/20	Remaining Available Funds
	\$10,333.82	\$2,000	\$8,333.82

SECTION
11



NEW BUSINESS

	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>March 10,2020</p>
<p>Agenda Item: New Business Discussion/approval to open new bank accounts with California Bank and Trust, David l'Anson, Administrative Finance Manager</p>		
<p>Background: The District has determined to close existing demand deposit accounts held with First Foundation Bank and hereby seeks the authorization from the Board to grant the General Manager (or his designee) the authority to close the District's demand deposit accounts held with said bank. Subsequently, the District will establish demand deposit accounts with California Bank & Trust and hereby seeks the authorization from the Board to grant the General Manager (or his designee) the authority to establish the District's demand deposit accounts with said bank.</p>		
<p>Attachments:</p> <ul style="list-style-type: none"> • Resolution 2020-03 authorizing the closure of demand deposit accounts with First Foundation Bank • Resolution 2020-04 authorizing the opening of demand deposit accounts with California Bank & Trust Bank 		

RESOLUTION NO. 2020-03

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE COACHELLA
VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT
AUTHORIZING THE CLOSURE OF DEMAND DEPOSIT ACCOUNTS
WITH FIRST FOUNDATION BANK**

WHEREAS, the Coachella Valley Mosquito and Vector Control District (“District”) is a political subdivision and a “local agency” of the State of California, created and operating under the authority and provisions of California Health and Safety Code Section 2000 et. seq., and is also a “local agency” within the meaning of Section 53600 of the California Government Code; and

WHEREAS, the District has determined to close existing demand deposit accounts held with First Foundation Bank; and

WHEREAS, that the General Manager or his designee be authorized and directed to close the District’s demand deposit accounts held with First Foundation Bank.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District DOES HEREBY FIND, RESOLVE, AND ORDER AS FOLLOWS:

SECTION 1. The District’s General Manager or his designee is hereby authorized to execute the closure of the District’s demand deposit accounts held with First Foundation Bank and to authorize First Foundation Bank to act upon this request for the withdrawal and closure of said accounts.

SECTION 2. This Resolution shall take effect as of the date of its adoption.

PASSED, ADOPTED AND APPROVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District this 10th day of March 2020.

Franz De Klotz, President
Board of Trustees

CERTIFICATION

I, Graciela Morales, Clerk of the Board of Trustees of the Coachella Valley Mosquito and Vector Control District, do hereby certify that the foregoing Resolution was adopted by the Board of Trustees of said District meeting held on the 10th day of March 2020, and that it was so adopted by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST:

Graciela Morales, Clerk of the
Board

APPROVED AS TO FORM:

Lena D. Wade, General Counsel

REVIEWED:

Jeremy Wittie, M.S., General Manager

RESOLUTION NO. 2020-04

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE COACHELLA VALLEY
MOSQUITO AND VECTOR CONTROL DISTRICT AUTHORIZING THE
OPENING OF DEMAND DEPOSIT ACCOUNTS WITH CALIFORNIA BANK &
TRUST**

WHEREAS, the Coachella Valley Mosquito and Vector Control District (“District”) is a political subdivision and a “local agency” of the State of California, created and operating under the authority and provisions of California Health and Safety Code Section 2000 et. seq., and is also a “local agency” within the meaning of Section 53600 of the California Government Code; and

WHEREAS, the District has determined to open demand deposit accounts with California Bank & Trust; and

WHEREAS, that the General Manager or his designee be authorized and directed to open the District’s demand deposit accounts with California Bank & Trust.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District DOES HEREBY FIND, RESOLVE, AND ORDER AS FOLLOWS:

SECTION 1. The District’s General Manager or his designee is hereby authorized to execute the opening of the District’s demand deposit accounts with California Bank & Trust and to authorize California Bank & Trust to act upon this request for the establishment of new accounts.

SECTION 2. The District’s demand deposit accounts are General Checking, Payroll Checking and Money Market, the following individuals serving in the capacity of the following positions are authorized signers on District Bank Accounts:

General Checking	
Position	Name
Treasurer	Clive Weightman
General Manager	Jeremy Wittie
Administrative Finance Manager	David I’Anson
Information Technology Manager	Edward Prendez
Human Resources Manager	Anita Jones
Laboratory Manager	Jennifer Henke
Operations Manager	Not filled
Public Information Manager	Not filled

Payroll Checking	
Position	Name
President	Franz De Klotz
General Manager	Jeremy Wittie

Money Market	
Position	Name
Treasurer	Clive Weightman
General Manager	Jeremy Wittie

Administrative Finance Manager	David l'Anson
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SECTION 3. This Resolution shall take effect as of the date of its adoption

PASSED, ADOPTED AND APPROVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District this 10th day of March 2020.

Franz De Klotz, President
Board of Trustees

CERTIFICATION

I, Graciela Morales, Clerk of the Board of Trustees of the Coachella Valley Mosquito and Vector Control District, do hereby certify that the foregoing Resolution was adopted by the Board of Trustees of said District meeting held on the 10th day of March 2020, and that it was so adopted by the following vote:

- AYES:
- NOES:
- ABSTAIN:
- ABSENT:

ATTEST:

Graciela Morales, Clerk of the Board

APPROVED AS TO FORM:

Lena D. Wade, General Counsel

REVIEWED:

Jeremy Wittie, M.S., General Manager