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, January 14, 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** – Doug Hassett, President
2. **Pledge of Allegiance**
3. **Oath of Office**
4. **Roll Call**
5. **Motion to Excuse Absences**
6. **Confirmation of Agenda**
7. **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.

8. **Proclamation** – Presentation of proclamation supporting participation in the 2020 census – **Doug Hassett, President (Pg. 5)**

9. **Presentations**
   A. General Manager's Report – **Jeremy Wittie, M.S.**
   B. District-Funded Research – **Jennifer Henke, M.S., Laboratory Manager**

10. **Board Reports**
   A. President's Report **– Doug Hassett, President**
      - Executive Committee oral report and minutes for January 6, 2020 **(Pg. 8)**
   B. Finance Committee oral report – **Clive Weightman, Treasurer**
      - Finance Committee minutes for November 12, 2019 **(Pg. 10)**

11. **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 November 12, 2019, Board Meeting and November 12, 2019 Study Session **(Pg. 13)**

B. Correspondence **(Pg. 23)**

C. Approval of expenditures for November 13, 2019 to January 14, 2020 and Financial Reports **(Pg. 35)**

D. Informational Items:

- District Travel **(Pg. 50)**
- Board Business Log **(Pg. 51)**
- Semi-Annual Research Reports from the University of California, Riverside and U.S. Department of Agriculture for 2019 – **Jennifer Henke, M.S., Laboratory Manager (Pg. 57)**
- Staff Reports:
  - Entomology Society of America Conference – **Jennifer Henke, M.S., Laboratory Manager and Kim Hung, Vector Ecologist (Pg. 75)**
  - Mosquito and Vector Control Association of California Planning Meeting – **Jennifer Henke, M.S., Laboratory Manager (Pg. 76)**
  - CSDA Clerk of the Board Annual Conference – **Graciela Morales, Executive Assistant/Clerk of the Board (Pg. 77)**
  - Email Security and Risk Training Update – **Edward Prendez, IT Manager (Pg. 78)**
  - California Debt and Investment Advisory Commission (CDIAC) Public Funds Investing Workshop – **David I'Anson, Administrative Finance Manager (Pg. 80)**

E. Approval to renew the contract with CleanExcel for cleaning services for the District headquarters in an amount not to exceed $3,811 per month, from fund 7675.01.305.000 – Contract Services *Budgeted; Funds Available* – **David I'Anson, Administrative Finance Manager (Pg. 81)**

F. Approval of Travel Calendar Update and Training Opportunity to attend the California Association of Public Information Officers (CAPIO) Annual Conference in an amount not to exceed $1,500. *Not Budgeted; Funds Available* – **Tammy Gordon, Public Information Officer (Pg. 82)**

12. Old Business

None.

13. New Business

A. Discussion and/or approval of General Manager Employment Agreement to be effective January 14, 2020 to December 31, 2022, COLA increase, and Special Merit Pay – **ad hoc Negotiating Committee (Pg. 84)**

B. Discussion and/or approval of the District's Social Media Policy and Resolution 2020-01– **Tammy Gordon, Public Information Officer (Pg. 85)**

C. Discussion and approval for the creation of ad hoc Facilities Renovation Committee – **David I'Anson, Administrative Finance Manager (Pg. 95)**

D. Nomination and election of Board Officers for the 2020 Calendar Year – **ad hoc Nomination Committee (Pg. 96)**

14. Closed Session 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 I'Anson
Employee Organization: California School Employees Association

15. 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.

16. 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.

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Certification of Posting

I certify that on January 10, 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 January 10, 2020.

_____

Graciela Morales, Clerk of the Board

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: Proclamation Supporting Participation in the 2020 Census.

Background:

This is a ceremonial presentation of a proclamation by the District supporting participation in the United States 2020 Census mandated by Article I, Section 2 of the United States Constitution.

Staff Recommendation:

Board approval of the proclamation and the President's presentation of the proclamation to a representative of the U.S. Census Bureau.

PROCLAMATION SUPPORTING PARTICIPATION IN THE 2020 CENSUS

WHEREAS, an accurate census count is vital to our community and residents' well-being by helping planners determine where to locate schools, day-care centers, roads and public transportation, hospitals and other facilities, and is used to make decisions concerning business growth and housing needs; and

WHEREAS, more than $675 billion per year in federal and state funding is allocated to states and communities based on census data; and

WHEREAS, census data ensure fair congressional representation by determining how many seats each state will have in the U.S. House of Representatives as well as the redistricting of state legislatures, county and city councils, and voting districts; and

WHEREAS, the 2020 Census creates jobs that stimulate economic growth and increase employment opportunities in our community; and

WHEREAS, the information collected by the census is protected by law and remains confidential for 72 years.

NOW THEREFORE, BE IT RESOLVED that the Board of the Coachella Valley Mosquito and Vector Control District, in Indio, California, support participation in the **UNITED STATES 2020 CENSUS**.

PASSED, ADOPTED AND APPROVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District this this 14th day of January 2020.

ATTEST:

_____ _____

President of the Board Clerk of the Board

SECTION
10

BOARD REPORTS

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Executive Committee Meeting
Minutes

TIME: 3:00 p.m. Monday, January 6, 2020

LOCATION: 43420 Trader Place, Indio, CA 92201

TRUSTEES PRESENT:

La Quinta	Doug Hassett		
County at Large	Franz De Klotz	Palm Desert	Doug Walker

ABSENT: Indian Wells Clive Weightman

OTHERS PRESENT:
Jeremy Wittie, M.S., General Manager
Grace Morales, Clerk of the Board

1. Call to Order: *President Hassett called the meeting to order at 3:00 p.m.*

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

On motion from Trustee Walker, seconded by Trustee De Klotz and passed by the following votes, the Committee excused the absence of Trustee Weightman.

Ayes: President Hassett, Trustees Walker and De Klotz

Noes: None

Abstained: None

Absent: Trustees Weightman

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

Ayes: President Hassett, Trustees De Klotz and Walker

Noes: None

Abstained: None

Absent: Trustees Weightman

4. Public Comments: *Mr. Brad Anderson made a comment regarding sub-committee meeting dates and times, the District's new website design, and a property damage claim. Mr. Anderson handed Clerk of the Board, Grace Morales, three letters for the public record.*

5. Review of January 14, 2019 Board Meeting Draft Agenda: *The draft January Board meeting agenda was reviewed by the Committee. Changes to the agenda included adding a General Manager Oral Report and Semi-Annual Research Oral Report to Presentations. Item 12 B., New Business-Nomination and Election of Board Officers shall be moved to the last item on the agenda.*

6. Trustee/Staff Comments: *President Hassett asked if General Counsel, Lena Wade, could give a brief clarification to the Board regarding the FPPC Materiality Standards memo her office issued in late December 2019. The Committee also discussed the proclamation for the 2020 Census.*

7. Confirmation of Next Meeting Date: *The next Executive Committee Meeting was scheduled for Monday, February 3, 2020 at 3:00 p.m.*

8. Adjournment: *The meeting was adjourned by President Hassett at 3:18 p.m.*

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Finance Committee Meeting
Minutes

TIME: 4:00 p.m. **DATE:** November 12, 2019

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 I'Anson, Administrative Finance Manager

1. Call to Order: *Treasurer Weightman called the meeting to order at 4:00 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.*

4. Public Comments: *None.*

5. Items of General Consent:
Approval of Minutes from October 8, 2019, Finance Committee Meeting

Ayes: Trustees Larson, and Weightman.

Noes: None.

Abstained:

Absent: Hagerman.

6. Discussion and/or Review:

A. Review of Check Report from Abila MIP for the period of October 8, 2019 to November 7, 2019.

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 provided explanations.

B. CalCard Charges October 2019.
The Committee reviewed the CalCard report and asked questions regarding specific charges. Staff mentioned that cardholder names will be added to future reports.

C. Review of October 2019 Financials and Treasurer's Report.
Financials and Treasurer's Report were reviewed.

7. Old Business: *None.*

8. New Business:

A. VCJPA Annual Workshop
Staff and Committee members discussed VCJPA Annual Workshop. Trustees will inform Clerk of the Board if they wish to attend.

B. Contingency plan for delayed revenue from the County of Riverside
Staff and Committee members discussed contingency plan and delay of revenue from the County. District revenue and funds are liquid and in case of delays in revenue adequate funds can be drawn from until revenue is received.

C. Discussion of Audit Presentation of Fiscal Year 2018/19
Staff briefly discussed audit presentation.

9. Confirmation of Next Meeting: *The next Finance Committee meeting was scheduled for Tuesday, January 14, 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 4:35 p.m.*

Finance Committee Action Items

1. Cardholder names will be added to CalCard report by January 2020 Finance Committee meeting. - *Staff*
2. Trustees wanting to attend VCJPA workshop will notify Clerk of the Board by January 2020 Finance Committee meeting - *Trustees*

SECTION
11

ITEMS OF GENERAL CONSENT

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Board of Trustees Meeting
Minutes

MEETING TIME: 6:00 p.m. November 12, 2019

LOCATION: 43420 Trader Place, Indio, CA 92201

TRUSTEES PRESENT:

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

TRUSTEES ABSENT:

Isaiah Hagerman	Rancho Mirage

STAFF AND COUNSEL PRESENT:
Jeremy Wittie, General Manager
Lena Wade, Legal Counsel, SBEMP
Anita Jones, Human Resources Manager
David I'Anson, Administrative Finance Manager
Edward Prendez, Information Technology Manager
Kim Hung-Lyu, Vector Ecologist
Jonathan Leung, Vector Control Technician I
Mike Martinez, Field Supervisor
Roberta Dieckmann, Interim Operations Manager
Tammy Gordon, Public Information Officer

1. Call to Order: *President Hassett called the meeting to order at 6:05 p.m.*

2. Pledge of Allegiance: *Trustee Larson led the Pledge of Allegiance.*

3. Roll Call: *Roll call indicated ten (10) Trustees out of eleven (11) were present.*

4. Motion to Excuse Absences

On motion from Trustee Guitron, seconded by Trustee Gardner, and passed by unanimous vote, the Board of Trustees excused the absence of Trustee Hagerman.

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

Noes: None.

Abstained: None.

Absent: Trustee Hagerman.

5. Confirmation of Agenda

President Hassett announced Item 10A (Discussion and/or approval to sign an MOU agreement between the City of Indio, Coachella Valley Association of Governments, and Coachella Valley Mosquito and Vector Control District to grant an easement for CV Link) would be moved and placed between Item 6 and Item 7 to allow the represented parties of the MOU to be heard earlier in the agenda.

On motion from Trustee Weightman, seconded by Trustee Gardner, and passed by unanimous vote, the Board of Trustees approved the Agenda as amended.

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

Noes: None.

Abstained: None.

Absent: Trustee Hagerman.

6. Public Comments:

Mr. Brad Anderson made public comments regarding his previous employment with the District.

10. New Business

A. Discussion and/or approval to sign an MOU agreement between the City of Indio, Coachella Valley Association of Governments, and Coachella Valley Mosquito and Vector Control District to grant an easement for CV Link – **Jeremy Wittie, M.S., General Manager**

Jeremy Wittie, M.S., General Manager, provided an overview of the MOU agreement for those not in attendance at the Study Session.

On motion from Trustee Walker, seconded by Trustee Gardner and passed by the following votes, the Board of Trustees reviewed and approved Item 10A.

Ayes: President Hassett, Trustees Bautista, De Klotz, Espericueta, Gardner, Guitron, Kunz, and Walker.

Noes: Trustee Larson.

Abstained: Trustee Weightman.

Absent: Trustees Hagerman.

7. Presentations

A. IT Security Awareness Training Program Update – **Edward Prendez, Information Technology Manager**

Edward Prendez, Information Technology Manager, presented an overview of the email security awareness program taking place at the District. Trustee Larson requested that training be provided to the Trustees as well. A discussion ensued. Trustee Weightman requested that a report of ongoing results be included in the Board packet.

8. Board Reports

A. President's Report:

- *President Hassett stated that this is the last meeting of this year.*

B. Finance Committee Oral Report:

- *Treasurer Weightman reported the actuals were within .1% of the budget. Payroll is $340,000 below budget due to vacant positions.*
- *Audit Presentation of Fiscal Year 2018/19 – Jeff Palmer, Partner, Fedak & Brown, LLP, reported that in their opinion, the financial statements present fairly, in all material respects, the financial position of the District as of June 30, 2019. Mr. Palmer commented that this is the highest opinion available (Unmodified "Clean" Opinion). They did not identify any material weakness within the District's internal control structure.*

9. 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 October 8, 2019, Board Meeting

B. Correspondence

C. Approval of expenditures for October 9, 2019 to November 12, 2019

D. Department Reports

E. Discussion and/or approval of Fiscal Year 2019/20 research proposals in an amount not to exceed $130,454.35 from fund 8510.01.600.000 Research Projects *Budgeted; Funds Available* – **Jennifer Henke. M.S., Laboratory Manager**

F. Approval of Resolution 2019-14 adopting the District's revised Records Retention Schedule and Procedures – **Jeremy Wittie, M.S., General Manager**

G. Approval of Resolution 2019-15 establishing signature approval for checks written from District Accounts – **David I'Anson, Administrative Finance Manager**

H. Informational Items

- District Travel
- Board Business Log
- MVCAC Fall Meeting October 29-30, 2019 in Visalia, CA
- Treasurer to approve the release of payments to vendors for December
- Board of Trustees meeting resumes on January 14, 2020
- Trustee report from: California Special Districts Association Conference – **Bito Larson, Trustee**
- Staff report from: Society of Vector Ecology Conference – **Kim Hung, Vector Ecologist**

On motion from Trustee Walker, seconded by Trustee Kunz and passed by the following votes, the Board of Trustees reviewed and approved all items of General Consent.

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

Noes: None.

Abstained: None

Absent: Trustee Hagerman.

10. Old Business
***Item 10A was moved to a position after Item 6 by President Hassett.**

B. Thermal Paving and Landscaping Project status update – **Jeremy Wittie, M.S., General Manager**

General Manager, Jeremy Wittie, M.S., provided an update on the progress being made at the Thermal paving project which is almost complete and should be completed by November 22nd. There was a short delay due to the Thermal fires. An additional cost will be incurred due to two sinkholes. The sinkholes were evaluated and determined to be caused by a broken irrigation pipe. A discussion ensued.

On motion from Trustee Guitron, seconded by Trustee Gardner and passed by the following votes, the Board of Trustees reviewed and approved Item 10B for $16,960.00.

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

Noes: None.

Abstained: None.

Absent: Trustee Hagerman.

11. New Business
A. Approval for $500,000 fund transfer from VCJPA Member Contingency Fund to Thermal Remediation Fund. The funds will be used to pay for environmental costs in connection with the Thermal Remediation Project – **David I'Anson, Administrative Finance Manager**

David I'Anson, Administrative Finance Manager, stated that the District has over one million dollars with VCJPA. The money transfer would be used to pay for the Thermal remediation costs. Treasurer Weightman stated that the Finance Committee supported this transfer.

On motion from Treasurer Weightman, seconded by Trustee De Klotz and passed by the following votes, the Board of Trustees reviewed and approved Item 11A.

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

Noes: None.

Abstained: None.

Absent: Trustee Hagerman.

B. Appointment of the District's ad hoc Abatement Hearing Committee – **Doug Hassett, President**

President Hassett appointed Trustees Espericueta, Gardner, and Guitron to serve on the ad hoc Abatement Hearing Committee with Trustee Kunz as alternate.

C. Discussion and/or approval of Resolution 2019-16 approving the District's Benefit Assessment Appeal Policy – **Jeremy Wittie, M.S., General Manager**

Trustee Gardner commented that he appreciated the addition of Item 2.4 in the policy which states, "In the event the property owner contends that a parcel should be treated as though it were, in fact, two (2) or more parcels, the District will only consider such request after the parcels have been properly divided by the County of Riverside and such parcel split is noted in the records of the Riverside County Assessor." This means that come 2021, they must subdivide the parcel. A discussion ensued.

On motion from Trustee Gardner, seconded by Trustee Walker and passed by the following votes, the Board of Trustees reviewed and approved Item 11C.

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

Noes: None.

Abstained: None.

Absent: Trustee Hagerman.

D. Approval of Resolution 2019-13 providing a gift certificate to employees for work performed late November through early December, 2019, in a total collective amount for all certificates not to exceed $2,800.00 from fund 5300.01.200.000 – Employee Incentive *Budgeted; Funds Available* – **Jeremy Wittie, M.S., General Manager**

On motion from Trustee Guitron, seconded by Trustee Gardner and passed by the following votes, the Board of Trustees reviewed and approved Item 11D.

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

Noes: None.

Abstained: None.

Absent: Trustee Hagerman.

E. Appointment of the ad hoc Nominations Committee – **Doug Hassett, President**

President Hassett appointed Trustees Hagerman, Walker, and himself to serve on the ad hoc Nominations Committee with Trustee De Klotz as Alternate.

F. Discussion and/or approval to purchase six vehicles in an amount not to exceed $185,750.00 from fund 8415.13.300.000 – Capital Replacement *Budgeted; Funds Available* – **Edward Prendez, Information Technology Manager**

Edward Prendez, Information Technology Manager, stated that five (5) of the vehicles would go to Operations and one (1) to Public Outreach. Trustee Guitron complimented Prendez on the report and Weightman agreed adding it was very easy to read. Trustee Larson questioned if the District had considered adding cameras to the front and back. A discussion ensued.

On motion from Trustee Gardner, seconded by Trustee Espericueta and passed by the following votes, the Board of Trustees reviewed and approved Item 11F.

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

Noes: None.

Abstained: None.

Absent: Trustee Hagerman.

G. Appointment of the ad hoc Negotiations Committee – **Doug Hassett, President**

President Hassett appointed Trustees Hassett, Kunz, and De Klotz to serve on the ad hoc Negotiations Committee with Trustee Guitron as Alternate.

Closed Session Public Comments: None.

12. Closed Session

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

Title: General Manager

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

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

Trustee travel requests were made.

14. Adjournment

On motion from Trustee Gardner, seconded by Trustee Guitron and passed by the following votes, the Board of Trustees moved to adjourn the meeting. President Hassett adjourned the meeting at 7:58 p.m.

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

Noes: None.

Abstained: None.

Absent: Trustee Hagerman.

_____ _____

Doug Hassett
President

Doug Walker
Secretary

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Study Session of the Board of Trustees
Minutes

TIME: 5:00 p.m. Tuesday, November 12, 2019

LOCATION: 43420 Trader Place, Indio, CA 92201

TRUSTEES PRESENT:

Cathedral City	Sergio Espericueta	Indian Wells	Clive Weightman
Coachella	Philip Bautista	Indio	Ben Guitron
County at Large	Bito Larson	La Quinta	Doug Hassett
County at Large	Franz De Klotz	Palm Desert	Doug Walker
Desert Hot Springs	Gary Gardner	Palm Springs	Dr. Doug Kunz

TRUSTEES ABSENT:
Rancho Mirage Isaiah Hagerman

STAFF AND COUNSEL PRESENT:
Jeremy Wittie, M.S., General Manager
Robert Patterson, Legal Counsel, SBEMP
Lena Wade, Legal Counsel, SBEMP
David I'Anson, Administrative Finance Manager
Kim Hung-Lyu, Vector Ecologist
Anita Jones, Human Resources Manager

OTHERS PRESENT:
Martin Magaña, CVAG
Juan Raya, City of Indio
Tim Wassil, City of Indio

1. Call to Order: *President Hassett called the meeting to order at 5:02 p.m.*

2. Roll Call: *Roll call indicated ten (10) Trustees out of eleven (11) were present.*

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

4. Public Comments: *None*

5. Review and Discuss CV Link Project, Concerns, and Proposed MOU between the Coachella Valley Mosquito and Vector Control District, Coachella Valley Association of Governments, and the City of Indio: *General Manager Wittie provided an overview of the proposed MOU, including the key points. A discussion ensued. Legal Counsel Robert Patterson pointed out three (3) things that need to take place before March 15, 2020, to move this project forward: 1) District needs to grant an Easement to CVAG; 2) District needs to offer to dedicate the District's streets to the City of Indio and the City needs to accept it; and 3) CVAG needs to provide $90,000 to be used by the City for the street improvements. If all three of these items do not take place, the deal is dead. A discussion ensued. The study session was an interactive meeting with questions, answers, and opinions shared among attendees.*

6. Adjournment: *The meeting was adjourned by President Hassett at 5:55 p.m.*

December 19, 2019

Benjamin Guitron
81-130 Portola Circle
Indio, CA 92201

Delivered via email: bguitron@indiopd.org

RE: Coachella Valley Mosquito and Vector Control District ("District") Board of Trustees

Dear Mr. Guitron:

Congratulations! The City Council at its meeting of December 4, 2019 re-appointed you as member of the Coachella Valley Mosquito and Vector Control District Board of Trustees through December 2021. This appointment is effective immediately.

Please print, sign and return this letter to our office no later than December 31, 2019. A scanned copy will suffice.

If you have any questions, please contact Graciela Morales, Clerk of the Board of the Coachella Valley Mosquito and Vector Control District at 760-342-8287.

On behalf of the City Council, we would like to express appreciation for your willingness to dedicate your time to serve on this Board and to wish you the very best.

Sincerely,

CITY OF INDIO

Sabdi Sanchez

SABDI SANCHEZ
CITY CLERK ADMINISTRATOR

I HEREBY ACCEPT:

BENJAMIN GUITRON III 12/19/19

cc: Graciela Morales, Clerk of the Board

November 12, 2019

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201 - www.cvmvcd.org

(888) 343-9399

Attn: CVMVCD Administration Clerk of the Board/Board of Trustees Members

Re: Please enter this letter into the Public Record for the CVMVCD Public meeting held on November 12, 2019 (Board of Trustees Meeting) Item: 11-B (ad hoc Abatement hearing committee)

Dear CVMVCD Trustees

Please be advised that any action to now penalize Homeowners for abatement services and or to instilled fear of possible legal ligation from the CVMVCD, will ONLY damage the perceived good image of the CVMVCD and it's field Technicians. The legal ramifications toward long established CVMVCD known County and Cities plus major Stakeholders neglected water features - is NONE by the current CVMVCD abatement policy. The chief concerns center around "Trust" and if the Public has no respect and or trust in the CVMVCD organization due to CVMVCD management and their disingenuous remarks and actions it will increase the potential problems with Vector Control. Vector Control Technicians are not Police officers and shouldn't be confused as such, which runs a risk of potential harm to the CVMVCD employee and has a higher degree of affecting the technical aspects of the job.

Their should absolutely be NO use of any form of property lean, and the whole CVMVCD Broad should be required to review any appeal process. Having only Three (3) Trustee's would be unfair and runs the risk of bias and or lack of education concerning the process and the legal ramifications towards the CVMVCD known Supervisors past involvement with regards to honest and ethical behavior plus the CVMVCD history of supplying debatable "Proven" facts.

As stated before, the action to change the appeals process shouldn't take place until the conclusion of this 2019 – 2020 Benefit Assessment fee has expired, the appeal process is already established and recorded.

Sincerely,

Brad Anderson | Rancho Mirage, CA.

November 12, 2019

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201 - www.cvmvcd.org

(888) 343-9399

Attn: CVMVCD Administration Clerk of the Board/Board of Trustees Members

Re: Please enter this letter into the Public Record for the CVMVCD Public meeting held on November 12, 2019 (Board of Trustees Meeting) Item: 11-G (appointed ad hoc Negotiations committee [GM])

Dear CVMVCD Trustees,

Please be advised that the current CVMVCD General Manager has been very well compensated for the duties that he provides the Resident's of the Coachella Valley. And any Increase revenue for that perceived work, would not be deserved or earned. My motivation for the above mentioned comments are driven by the selection of last years ad hoc committee members, and the known connections of a personal matter between the CVMVCD General Manager (Mr. Jeremy Wittie) and a committee member. Plus the comments given at the CVMVCD Executive Committee Meeting of November 01, 2019 making light of the process by potentially choosing the same members to each committee.

Please – I urge each potential committee members to exclude yourself from any suggestion of potential conflicts that may and have taken place that would be seen as bias/Influence over the process.

Thank you,

Brad Anderson | Rancho Mirage, CA.

November 12, 2019

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201 - www.cvmvcd.org

(888) 343-9399

Attn: CVMVCD Administration Clerk of the Board/Board of Trustees Members

Re: Please enter this letter into the Public Record for the CVMVCD Public meeting held on November 12, 2019 (Board of Trustees Meeting) Item: ~~6~~ 11a.c (proposed New draft Benefit Assessment appeal policy)

Dear CVMVCD Trustees,

Please be advised that any consideration of the Coachella Valley Mosquito and Vector Control District (CVMVCD) current Board of Trustees to modify the current CVMVCD benefit assessment. With regards to the Property assessment appeal process (Policy), would potentially be in direct violation of the current 2019/2020 CVMVCD Mosquito, Fire Ant and Disease Control Assessment Engineer's report, prepared by the Company of Willdan Financial Services and accepted by the CVMVCD Board of Trustees in the Month of July 2019. Any changes to that already established "Policy" would be a direct violation of the Public Trust and would continue to eroded the CVMVCD community's preceded Image.

Please only consider changes to the CVMVCD Benefit Assessment in future year's while arrangements are being orchestrated by the CVMVCD to again Increase the perceived Benefit of such an property assessment. And only when a Public Hearing would be required to oversee the CVMVCD and its current legal counsel on matters that should be transparent to the Public, plus having the time needed to closely review the poor performance of past reassessment(s) that were performed by the current CVMVCD General Manager in a matter that was not "Promptly" Investigated, or allowing the refunded Moines back to a major Valley enterprise (Stakeholder) in a reasonable amount of time.

Sincerely,

Brad Anderson | Rancho Mirage, CA.

November 12, 2019

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201 - www.cvmvcd.org

(888) 343-9399

Attn: CVMVCD Administration Clerk of the Board/Board of Trustees Members

Re: Please enter this letter into the Public Record for the CVMVCD Public meeting held on November 12, 2019 (Board of Trustees Meeting) Item: 10 – A (MOU with CVAG/City of Indio [CV Link])

Dear CVMVCD Trustees,

Please oppose any form of agreement that would Illustrate to the Public the CVMVCD mismanagement of selling and or removing public properties that are held in trust for future CVMVCD development or Investment.

The connection between the City of Indio and the organization of the Coachella Valley Association of Governments (CVAG) and the "New" CVMVCD discovery of the complete ownership of the Street that loops past the CVMVCD headquarters. The CVMVCD "New" Information of Street ownership has been illustrate by the CVMVCD management as "land that is currently a liability into an asset" if such a deal is approved. If the Sole intent of the CVMVCD is to sell the Public properties that Current CVMVCD management has determined as a liability. That action should precede, with the selling of all the CVMVCD properties to all Interested party's and not be subjected to the political and potentially in-house deals that will only damage the Public Trust. But – the action of "giving away" Public resources for what appears to be driven by future influences and not being accountable to the Resident's of this Valley that already paid for the resources to be used for Vector abatement reasons ONLY. Any divergent of resources (properties) for less then market rates would be a violation of the Public Trust.

Sincerely,

Brad Anderson | Rancho Mirage, CA.

November 12, 2019

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201 - www.cvmvcd.org

(888) 343-9399

Attn: CVMVCD Administration Clerk of the Board/Board of Trustees Members

Re: Please enter this letter into the Public Record for the CVMVCD Public meeting held on November 12, 2019 (Board of Trustees Meeting) Item: 12-A (Closed Session – Evaluation of the General Manager)

Dear CVMVCD Trustees,

Please be advised that the current CVMVCD General Manager (Mr. Jeremy Wittie) has been able to allow the CVMVCD to Increase revenue and build dependency for further research into the CVMVCD Financial and general operation of the CVMVCD.

Please consider the Increase in Mosquitoes and disease in the Coachella Valley this year and last. And the removal of CVMVCD personnel form employment and the CVMVCD Financial costs associated with those actions, and the use of CVMVCD known and repeatedly retained "Independent" Investigation companies for that CVMVCD goal.

Please remember that the CVMVCD General Manager uses the CVMVCD General Legal Counsel to respond to Public Records Requests and had a misguided and incorporated "cease and desist letter" sent to a past employee and Resident of the Coachella Valley, and used CVMVCD personnel to potential illegally enter this persons private property for yet to be disclosed motivation for those actions.

The Aedes aegypti Mosquitoes have been allowed to become potentially established in the Coachella Valley due to the CVMVCD General Manager selection of "supervisors" and their respective family and friends that conspired on methods to combat this species of Mosquito with No oversite on their undereducated and blundered failed attempts, which has long lasting negative effects for every neighborhood and community in this Valley.

Please don't forget about the over six (6) Month time it took this CVMVCD General Manager to bring to the CVMVCD Board (PUBLIC forum), the return of over paid benefit assessment to a major Valley enterprise by which other legal deadlines were comprised. Please consider to rank this General Manager below the threshold that would be expected to operate an organization that Public Health and safety has no other options but to assept.

Sincerely,

Brad Anderson | Rancho Mirage, CA.

November 12, 2019

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201 - www.cvmvcd.org

(888) 343-9399

Attn: CVMVCD Administration Clerk of the Board/Board of Trustees Members

Re: Please enter this letter into the Public Record for the CVMVCD Public meeting held on November 12, 2019 (Board of Trustees Meeting) Item: 9-A (General Content - Minutes Oct 8, 2019)

Dear CVMVCD Trustees,

Please be advised that the October 8, 2019 CVMVCD Board of Trustees Meeting has Incorrectly stated their recorded Minutes.

Item: 6 of the CVMVCD minutes stated "public comments were called for prior each agenda Item" there were no CVMVCD statements other then not allowing the Public to listen to the CVMVCD board reports prior to speaking on that topic. Their were several requests made from the speaker to be heard after the Trustees listen to the Staff reports, but all were refused by the CVMVCD Board of Trustees President (Mr. Doug Hassett) - (Please see attached letter addressed to the City of La Quinta City Council)

Also - as you are aware of the statement "Item added to the agenda Public comment" which was placed before the Close session topics had Public Comments that were intended and known to be entered in to the Public record for the closed session topic of the performance evaluation of the current CVMVCD General Manager along with written documentation. Please correct these and other potential mistakes as was requested prior to this meeting by email.

Thank you,

Brad Anderson | Rancho Mirage, CA.

November 05, 2019

City of La Quinta City Council

78495 Calle Tampico

La Quinta, CA. 92253

(760) 777-7000

Attn: Clerk of the Board (Monika Radeva)

Re: Written letter to be entered in to the Public record for the date of November 05, 2019 - La Quinta City Council meeting (Non-Agenda Public Comments) with regards to the Coachella Valley Mosquito and Vector Control District (CVMVCD) City of La Quinta appointed Trustee (Mr. Doug Hassett)

Dear La Quinta City Council Members,

The organization of the Coachella Valley Mosquito and Vector Control District (CVMVCD) which is a special District that is entrusted to provide Vector control service's to the Resident's of the Coachella Valley, had it's Monthly Board of Trustees Meeting that was held on the date of October 08, 2019. During that Public meeting the La Quinta appointed Trustee (Mr. Doug Hassett) which currently holds the position and title of CVMVCD Board President. Abruptly changed the fundamental principles of how the CVMVCD operates it's Board meetings, disallowing the Public from hearing CVMVCD staff reports prior to the Public opportunity to speak on the topics. That change in the meeting arrangements was never explained or discussed in the public forum. And being the only speaker (also - the only non-CVMVCD employee and only member of the general public in attendance) I made several requests to hear the staff reports prior to speaking - but was not granted that request.

On the date of November 01, 2019 while attending the CVMVCD Executive Committee Meeting the La Quinta appointed Trustee (Mr. Doug Hassett) acting as the CVMVCD meeting chairman. Made comments attempting to disallow me - the only Member from the general public that attended that meeting - to not - have me voice public comments on an agenda Item and reframe from speaking on any further meeting Items, and not to submit documentation to the clerk of the Board. Again, the chairman's actions were abrupt and not explicitly explained and appears to have been orchestrated to cause confusion and or to show this member of the Public CVMVCD power to act with total control. And to potentially Intimidate and cause distress by bluntly attempting to violated meeting rules and guidelines. The CVMVCD Palm Desert Trustee (Mr. Doug Walker) was able to convince La Quinta Trustee (Mr. Doug Hassett) to allow me to speak and submit documentation on the listed agenda Item.

The La Quinta City CVMVCD trustee appointee has acted to limit the Public's participation in Public meetings and has shown the potential for continue abuse of his authority in the future.

Sincerely,

Brad Anderson | Rancho Mirage, CA. | [redacted]

November 12, 2019

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201 - www.cvmvcd.org

(888) 343-9399

Attn: CVMVCD Administration Clerk of the Board/Board of Trustees Members

Re: Please enter this letter into the Public Record for the CVMVCD Public meeting held on November 12, 2019 (Board of Trustees Meeting) Item: 9-E (Research proposals)

Dear CVMVCD Trustees,

Please reconsider any form of the CVMVCD to grant Public resources to non-CVMVCD employee's and their organization's for proposed Research centered around Vectors. The current CVMVCD staff has made claims of "long beneficial relationship" with other organizations because of such programs, but has not produced examples of any CVMVCD funded Research that has directly benefited the Coachella Valley Resident's that continue to fund the CVMVCD with yearly Increasing Benefit Assessments.

As a reminder to the CVMVCD Trustees of the Increased Vector born diseases this year and last in the Coachella Valley and the CVMVCD General Manager comments of being overburdened. It's this Residents recommendation to use the Moines that are collected in the Coachella Valley for the perceived use to combat Vectors (Mosquitoes) in this area. And not to waste local Moines by allowing it to be misused by not supplying a "direct benefit" to the Properties that are forced to pay this tax by the means of outside research grants.

Please fight the local Vectors by not sending and misappropriating local taxes to help fund out of area research that has No direct benefit to the local Homeowner/property.

Sincerely,

Brad Anderson | Rancho Mirage, CA.

January 06, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201 - www.cvmvcd.org

(888) 343-9399

Attn: CVMVCD Administration Clerk of the Board/Board of Trustees Members

Re: Please enter this letter into the Public Record for the CVMVCD Public meeting held on January 06, 2020 (Executive Committee) – Written comments (CVMVCD Website – 2019 purchase of design/launch)

Dear CVMVCD Trustees,

I've sent concerns about the poor performance of the CVMVCD "new" website design to the CVMVCD Public Information Manager. I'm very sorry to report that No representative from the CVMVCD replied to me about the Issues with regards to the CVMVCD website performance.

As you should be aware, the website has limited the resources that it once made available (lessened transparency). Along with redirecting to link's that are not CVMVCD related, plus most noticeably the new website has removed year's of known and accessible CVMVCD information (Record's) with No known or reported directions to review once easily accessible CVMVCD Public Information.

Please consider reviewing how the CVMVCD administrators have limited the Public's participation in accessing CVMVCD known record's (retention of Information) on the CVMVCD website.

Sincerely,

Brad Anderson | Rancho Mirage, CA.

January 06, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201 - www.cvmvcd.org

(888) 343-9399

Attn: CVMVCD Administration Clerk of the Board/Board of Trustees Members

Re: Please enter this letter into the Public Record for the CVMVCD Public meeting held on January 06, 2020 (Executive Committee) – Written comments (Meeting dates/times and Public participation)

Dear CVMVCD Trustees,

Please be advised that any consideration of the Coachella Valley Mosquito and Vector Control District (CVMVCD) to modify it's current and long established method of selecting dates and times to hold sub-committee meetings (Executive/Finance Meetings). The modification would help to better serve the Public in an open and transparent ethical matter, without the appearance of the CVMVCD administration and it's appointees to the Board of Trustees only selecting dates and time's of day, that only potentially benefit their private narrative and not the Public's interest in CVMVCD meeting scheduling.

Please consider arranging dates of Sub-committee meetings on the same calendar date each month. Potentially on the same day as the CVMVCD scheduled Board of Trustee Meeting. Also having each meeting scheduled at a set time of day, to encourage participation from the Public and members of the CVMVCD staff to attend. Preferred set time, would of course be after CVMVCD office hours which corresponds with most Resident's end of day working time's (after 4:30 PM).

Please be advised that not modifying CVMVCD Public meeting dates and time's to allow Residents the ability to attend CVMVCD Public meetings that are currently not televised and not readily accessible to be monitored, with out submitting a Public Records Request and potentially being required to financially support the CVMVCD headquarters administration with financial cost's that are unexplained form the CVMVCD for hardware that the CVMVCD has not released requested records for Public Purchase (Thumb drive's as an example) would be unreasonable and extremely burdensome to any Public member (Resident).

Also the added cost savings to the CVMVCD from combined dates for Public meetings would potentially be reflected in CVMVCD supplied meals (food) to CVMVCD Trustees and administrators.

Sincerely,

Brad Anderson | Rancho Mirage, CA.

January 06, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)

43420 Trader Pl.

Indio, CA. 92201 - www.cvmvcd.org

(888) 343-9399

Attn: CVMVCD Administration Clerk of the Board/Board of Trustees Members

Re: Please enter this letter into the Public Record for the CVMVCD Public meeting held on January 06, 2020 (Executive Committee) – Written comments (Demand letter and CVMVCD refusal for payment of CVMVCD caused property damage)

Dear CVMVCD Trustees,

As you should be aware, the CVMVCD General Legal Counsel refused to comply with a request for payment of property damage that was caused by the direct and unannounced and unwarranted entry of CVMVCD personnel through a property gate that secured a private rear yard with confined animals of my Home in the City of Rancho Mirage, CA. Only after receiving CVMVCD Public Records Requests, where conflicting statements were discovered and still no answers were received to explain of the CVMVCD unwelcomed intrusion on to my private property where the Coachella Valley Mosquito and Vector Control District demonstrated not to followed it's own procedures and policy's related to Issuing and executing it's (2019) Inspection/abatement Warrant on to my private property in the City of Rancho Mirage, Riverside County in the State of California.

As you are aware, my Home/property had No standing water and No potential breeding locations for Mosquitoes. And being a past professional Vector Control Technician that worked under the same CVMVCD Supervisors that approved the unwarranted entry on to my Private property, only Increases the likelihood that biases and retaliation are still active and alive at the CVMVCD. And most importantly the 2019 Inspection and abatement warrant was Issued with documentation from a past CVMVCD Employee that mislead the Riverside County court with an untrue statement and deferred facts that were relevant to the Re-Issuing of the 2019 Warrant plus other aspects that can be further reviewed in detail by the Riverside County court system if required.

Please correct your organization misguided approach to secure the status-quote operations of the CVMVCD at the expense of the Public's best Intrested (best practices should be considered) for the Public Good.

Sincerely,

Brad Anderson | Rancho Mirage, CA.

Coachella Valley Mosquito and Vector Control District

Checks Issued for the Period of:

November 8 - December 10, 2019

Check No	Payable To	Description	Check Amount	Total Amount
	Payroll Disbursement	November 15, 2019	184,505.22	
	Payroll Disbursement	November 27, 2019	186,087.24	
				370,592.46
Pre-Approved Expenditures Utilities/Benefits:				
42676	CalPERS Healthcare Acct	Healthcare Premiums Retired & Active 12/2019	73,348.09	
42677	CalPERS - Retirement Acct	CalPERS Retirement Contributions 10/24-11/9/2019	26,472.44	
42678	ICMA Retirement Trust	457 Plan Contributions 11/9/2019	9,385.88	
42679	Principal Life Insurance Co.	Dental/Life Insurance	10,054.08	
42680	SoCalGas	Utilities	257.90	
42681	Standard Insurance Company	LTD Premium 12/2019	2,995.75	
42682	Verizon Connect	IT Communications 9/2019	1,102.00	
42683	Verizon Wireless	District Cell Phone	2,231.41	
42684	Vision Service Plan (CA)	Vision Care 12/2019	877.05	
				126,724.60
Pre-Approved Expenditures less than $10,000.00:				
42667	Airgas Safety Inc.	Dry Ice	300.61	
42668	CarQuest Auto Parts	Vehicle Parts & Supplies	96.11	
42669	Consolidated Electrical Distributors, Inc.	Repair & Maintenance	414.19	
42670	CSI Ceja Security Intl.	Security Patrol Services	975.00	
42671	Indio Emergency Medical Group	Physician Fees	450.00	
42672	Slovak Baron Empey Murphey & Pinkney LLP	Attorney Fees	5,710.30	
42673	Kim Hung-Lyu	Professional Development	115.63	
42674	Bito Larson	Trustee Travel	131.08	
42675	Roberta Dieckmann	MVCAC Annual Conference	373.65	
42685	Advance Imaging Systems	Contract Services	428.65	
42686	Airgas Safety Inc.	Dry Ice	687.91	
42687	American Engraving Co.	Office Supplies	302.31	
42688	Burrtec Waste Industries	Landfill Disposal Services	15.99	
42689	Cintas Corporation #3	Uniform Expense	4,525.30	
42690	CleanExcel	Janitorial Services	6,992.00	
42691	Consolidated Electrical Distributors, Inc.	Repair & Maintenance	109.22	
42692	C&R Wellness Works	Employee Assistance Services	306.00	
42693	CSI Ceja Security Intl.	Security Patrol Services	975.00	
42694	Daniel's Tire Service	Tire Services	649.30	
42695	Desert Air Conditioning	Repair & Maintenance	357.00	
42696	Desert Fire Extinguisher Co., Inc.	Repair & Maintenance	374.40	
42697	SWG, Inc. DBA Earth Sys Southwest	Professional Fees	720.80	
42698	Employee Relations Inc.	Recruitment/Advertising	63.65	
42699	Equipment Direct, Inc.	Safety Supplies	1,411.87	
42700	EV Services	Professional Fees	30.00	
42701	Fedak & Brown, LLP	Professional Fees	2,009.00	
42702	Fiesta Ford-Lincoln-Mercury	Vehicle Parts & Supplies	61.50	
42703	G & C Smog and Auto Repair	Permits, Licenses & Fees	53.25	
42704	Indio Emergency Medical Group	Physician Fees	250.00	
42705	Jernigan's Sporting Goods, Inc.	Safety Expense	420.93	
42706	MAAS Companies, Inc.	Professional Fees	1,320.00	
42707	Marlin Business Bank	Contract Services	1,353.18	
42708	Graciela Morales	Professional Development	963.93	
42710	Pitney Bowes Global Financial Svcs	Contract Services	305.43	
42711	Powers Awards	Repair & Maintenance	362.04	
42712	Praxair Distribution, Inc.	Cylinder Rentals	50.51	
42713	Refrigeration Supplies Distributor	Repair & Maintenance	19.25	
42714	Slovak Baron Empey Murphey & Pinkney LLP	Attorney Fees	4,672.50	
42715	SoCo Group Inc., The	Motor, Fuel & Oil	7,042.29	
42716	TCI Thermal Combustion Innovators, Inc.	Operating Supplies	421.47	
42717	UPS	Postage	30.30	
42718	Waterlogic Americas LLC	Employee Support	213.15	
42719	Waxie Sanitary Supply	Household Supplies	178.32	
Cash - First Foundation Bank Checking				**46,243.02**
Cash - First Foundation Bank Checking				
42709	Onyx Paving Company, Inc.	Thermal Facility Remediation Fund	74,034.88	
42720	US Bank	11/22/2019 CalCard	129,518.58	
Cash - First Foundation Bank Check Run Total to be Approved				**203,553.46**
Total Expenditures: October 9 - November 7, 2019				**747,113.54**

Coachella Valley Mosquito and Vector Control District

Checks Issued for the Period of:

December 11, 2019 - January 9, 2020

Check No	Payable To	Description	Check Amount	Total Amount
	Payroll Disbursement	December 13, 2019	213,790.91	
	Payroll Disbursement	December 27, 2019	180,018.52	
				393,809.43
Pre-Approved Expenditures Utilities/Benefits:				
42721	CalPERS Healthcare Acct	Healthcare Premiums Active & Retired 1/2020	77,702.78	
42722	CalPERS - Retirement Acct	CalPERS Retirement Contributions 11/10 - 12/7	77,999.23	
42723	ICMA Retirement Trust	457 Plan Contributions 11/23 & 12/7	18,934.24	
42724	Principal Life Insurance Co.	Dental/Life Insurance	10,114.25	
42728	Frontier Communications-Internet	Internet Services 11/25 - 1/24/2020	920.96	
42729	Frontier Communications-Toll/POTS	Landline/POTS 11/28 - 1/27/2020	331.39	
42730	Imperial Irrigation District	Electric Services 11/1 - 12/3/2019	1,724.79	
42731	Imperial Irrigation Dist-Lab Acct	Electric Services 11/1 - 12/3/2019	3,927.41	
42732	SoCalGas	Gas Services 11/25 - 12/26/2019	718.58	
42733	Standard Insurance Company	LTD Premium 1/1 - 1/31/2020	2,995.75	
42734	Verizon Connect	IT Communications 7/2019 10/2019	2,204.00	
42735	Vision Service Plan (CA)	Vision Care 1/2020	857.56	
				198,430.94
Pre-Approved Expenditures less than $10,000.00:				
42725	AIMS Acclamation Insurance Management Services	WC Benefits	736.00	
42726		Unused Check	0.00	
42736	David Aaker	Professional Development	1,500.00	
42737	Advance Imaging Systems	Contract Services	520.98	
42738	Airgas Safety Inc.	Dry Ice	155.46	
42739	AvQuest Insurance Service	Property & Liability Insurance	4,070.00	
42740	CDW Government, Inc	Capital Equipment Replacement	648.95	
42741	Cintas Corporation #3	Uniform Expense	3,417.26	
42742	CleanExcel	Janitorial Services	3,496.00	
42743	Daniel's Tire Service	Vehicle Parts & Supplies	670.64	
42744	Employee Relations Inc.	Recruitment & Advertising	104.65	
42745	Indio Emergency Medical Group	Physician Fees	630.00	
42746	Jernigan's Sporting Goods, Inc.	Safety Expense	175.00	
42747	Kwik Kleen Of The Desert	Vehicle Maintenance & Repair	448.00	
42748	Liebert Cassidy Whitmore	Attorney Fees	1,178.00	
42749	Marlin Business Bank	Contract Services	737.18	
42750	Pitney Bowes Purchase Power	Contract Services	519.56	
42751	Praxair Distribution, Inc.	Cylinder Rentals	49.25	
42752	R Bar C Sand and Gravel, Inc.	Benefit Assessment	9,564.40	
42755	Riverside County Fair & Nat'l Date	Promotion and Education	400.00	
42756	SeqGen, Inc.	Maintenance and Calibration	2,900.00	
42757	Slovak Baron Empey Murphey & Pinkney LLP	Attorney Fees	4,357.50	
42758	SoCo Group Inc., The	Motor Fuel & Oil	267.13	
42759	Tender Corp	Promotion and Education	3,238.06	
42760	Uline	Equipment Parts and Supplies	197.21	
42762	Waterlogic Americas LLC	Employee Support	213.15	
Cash - First Foundation Bank Checking				**40,194.38**
Cash - First Foundation Bank Checking				
42727	US Bank	12/23/2019 CalCard	41,381.88	
42753	Regents University Of California	Research Projects Dr. Walton	66,500.93	
42754	Regents University Of California	Research Projects Dr. Gerry	28,098.42	
42761	USDA Agricultural Research Service	Research Projects Dr. Oi	35,855.00	
Cash - First Foundation Bank Check Run Total to be Approved				**171,836.23**
Total Expenditures: December 11, 2019 - January 9, 2020				**804,270.98**

Doug Hassett, President

Clive Weightman, Treasurer

Coachella Valley Mosquito and Vector Control District
FINANCES AT A GLANCE
ALL FUNDS COMBINED
For the Month Ended December 31, 2019

	Beginning of the Month	Change During the Month	End of the Month
INVESTMENTS	8,269,874	2,606,247	10,876,121
CASH	119,551	29,291	148,842
INVESTMENTS & CASH	8,389,424	2,635,538	11,024,963
CURRENT ASSETS	1,348,191	(30,621)	1,317,570
FIXED ASSETS	10,624,757	-	10,624,757
OTHER ASSETS	4,969,170	-	4,969,170
TOTAL ASSETS	25,331,543	2,604,917	27,936,460
TOTAL LIABILITIES	5,353,968	21,963	5,375,930
TOTAL DISTRICT EQUITY	19,977,576	2,582,954	22,560,530
TOTAL LIABILITIES & EQUITY	25,331,543	2,604,917	27,936,460

RECEIPTS		$ 3,586,543
CASH DISBURSEMENTS		
Payroll	$ 397,563	
General Admin	$ 553,441	
Total Cash Disbursements		$ (951,004)
NON-CASH ENTRIES: Accrual Modifications - Changes in A/P, A/R & Pre-paid insurance		$ (30,621)
Change during Month - Excess of Cash over Receipts & Non-Cash Adjustments		$ 2,604,917

CVMVCD

Cash Journal - deposits

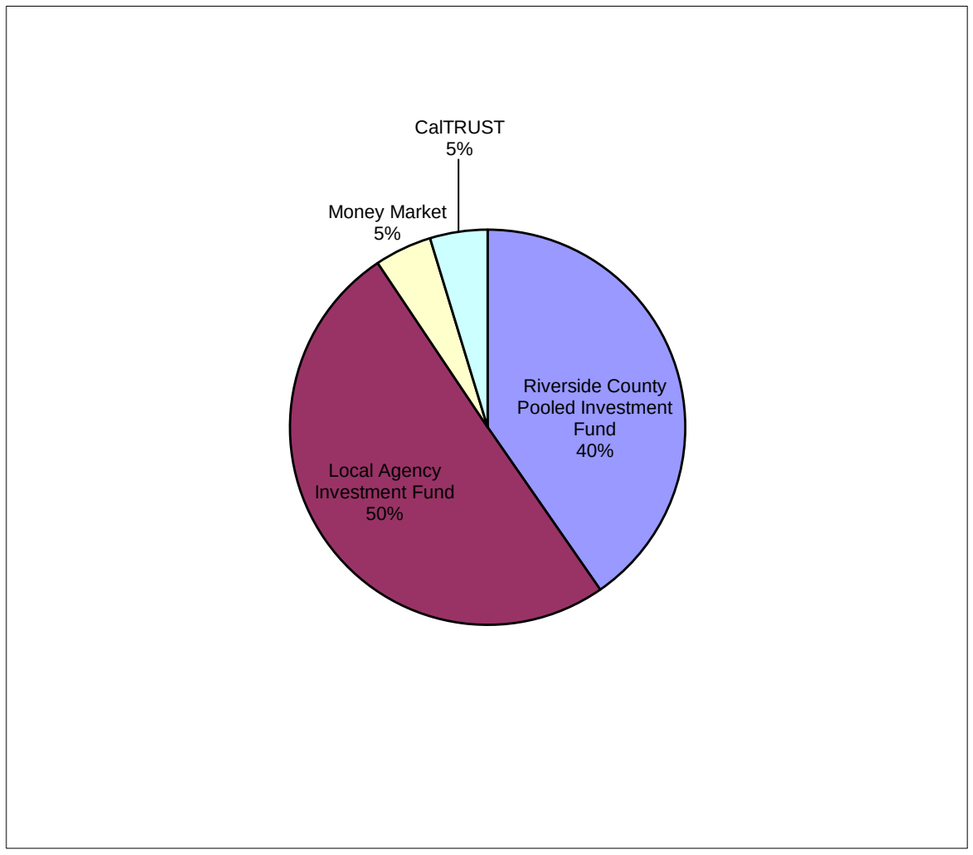
From 12/1/2019 Through 12/31/2019

Effective ...	Transaction Description	Deposits	Payee/Recipient Name
12/3/2019	December Deposits - Public Record Request	9.00	Brad Anderson
12/8/2019	December Deposits - Benefit Assessment Hand Bills	83.16	
12/9/2019	December Deposits - Property Taxes HOX	5,808.52	Riverside County
12/10/2019	December Deposits - Recycling Refunds	26.01	US Metals
12/10/2019	December Deposits - Refund	600.00	UC Riverside
12/12/2019	December Deposits - Benefit Assessment Hand Bills	2.52	
12/12/2019	December Deposits - Property Taxes CYSA1	1,151,321.88	Riverside County
12/13/2019	December Deposits - Recycling Refunds	50.00	R & N Pallet
12/18/2019	December Deposits - Benefit Assessment	69.20	
12/18/2019	December Deposits - Public Surplus Receipts	10,699.00	Paymac Inc
12/23/2019	December Deposits - Avion Fire Ant Bait Rebate	3,602.93	Syngenta Corp Protection LLC
12/31/2019	December Deposits - Bank Interest	183.52	First Foundation Bank
12/31/2019	December Deposits - CalCard Rebate	7,488.33	US Bank
12/31/2019	December Deposits - CY Unsecured	8,966.40	Riverside County
12/31/2019	December Deposits - Pass Thru Increment	2,281,428.25	Riverside County
12/31/2019	December Deposits - Retrospective Adjustment	116,204.00	Vector Control Joint Powers Agency
Report Total		3,586,542.72	

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT
INVESTMENT FUND BALANCES AS OF DECEMBER 31, 2019

INSTITUTION	IDENTIFICATION	Issue Date	Maturity Date	YIELD	General Fund	Thermal Capital Fund	Capital Equipment Replacement Fund	Capital Facility Replacement Fund		BALANCE
	Investment Fund Balance				7,604,494	83,309	1,385,223	1,802,911	$	10,875,937
LAIF	Common Investments			2.05%	3,822,219	41,874	696,249	906,190	$	5,466,532
Riverside County	Funds 51105 & 51115			1.91%	3,068,526	33,617	558,958	727,501	$	4,388,602
CalTRUST	Medium Term Fund			2.00%	357,857	3,920	65,187	84,842	$	511,806
First Foundation	Market Rate			0.25%	356,021	3,900	64,852	84,407	$	509,180
	Total Investments				7,604,623	83,311	1,385,246	1,802,941	**$**	**10,876,121**

PORTFOLIO COMPOSITION AS OF DECEMBER 31, 2019
WEIGHTED YIELD 1.91%



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 anticpated 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

		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										
400C	Property Tax - Current Secured	3,825,113	1,131,467	**1,159,530**	28,063	1,131,467	**1,151,322**	19,855	(2,665,583)	(70)%
401C	Property Tax - Curr. Supplmntl	45,034	0	**0**	0	0	**0**	0	(45,034)	(100)%
402C	Property Tax - Curr. Unsecured	170,237	161,531	**159,276**	(2,255)	9,830	**8,966**	(863)	(10,961)	(6)%
403C	Homeowners Tax Relief	42,209	6,332	**5,809**	(523)	6,332	**5,809**	(523)	(36,400)	(86)%
407C	Property Tax - Prior Supp.	27,704	0	**0**	0	0	**0**	0	(27,704)	(100)%
408C	Property Tax - Prior Unsecured	8,493	0	**0**	0	0	**0**	0	(8,493)	(100)%
409C	Redevelopment Pass-Thru	4,478,852	0	**2,281,428**	2,281,428	0	**2,281,428**	2,281,428	(2,197,424)	(49)%
452C	Interest Income - LAIF/CDs	200,000	100,000	**53,722**	(46,278)	50,000	**184**	(49,816)	(146,278)	(73)%
453C	Other Miscellaneous Receipts	63,000	31,500	**36,235**	4,735	5,250	**11,040**	5,790	(26,765)	(42)%
4551	Benefit Assessment Income	2,147,755	0	**14,017**	14,017	0	**155**	155	(2,133,738)	(99)%
Total Revenues		11,008,397	1,430,830	**3,710,017**	2,279,187	1,202,878	**3,458,904**	2,256,026	(7,298,380)	(66)%
Expenditures										
Payroll Expenses										
5101	Payroll - FT	4,848,777	2,424,389	**2,227,816**	196,573	404,065	**375,449**	28,615	2,620,961	54 %
5102	Payroll Seasonal	205,140	102,570	**122,158**	(19,588)	17,095	**16,067**	1,028	82,982	40 %
5103	Temporary Services	6,900	3,450	**6,900**	(3,450)	575	**0**	575	0	0 %
5105	Payroll - Overtime Expense	18,700	9,350	**17,955**	(8,605)	1,558	**277**	1,281	745	4 %
515C	CalPERS State Retirement	1,221,020	989,378	**956,079**	33,299	38,607	**84,874**	(46,267)	264,942	22 %
5155	Social Security Expense	304,643	152,321	**146,123**	6,198	25,387	**22,724**	2,663	158,519	52 %
5165	Medicare Expense	71,247	35,624	**35,299**	325	5,937	**5,834**	103	35,949	50 %
517C	Cafeteria Plan	1,093,206	546,603	**617,454**	(70,851)	91,101	**178,567**	(87,466)	475,753	44 %
5172	Retiree Healthcare	352,420	176,210	**11,175**	165,035	29,368	**0**	29,368	341,245	97 %
518C	Deferred Compensation	105,231	52,616	**32,107**	20,509	8,769	**16,979**	(8,210)	73,124	69 %
5195	Unemployment Insurance	32,066	16,033	**5,629**	10,404	2,672	**655**	2,017	26,437	82 %
Total Payroll Expenses		8,259,352	4,508,543	**4,178,695**	329,848	625,135	**701,427**	(76,292)	4,080,657	49 %

	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									
525C Tuition Reimbursement	15,000	7,500	**3,749**	3,751	1,250	**449**	801	11,251	75 %
530C Employee Incentive	10,000	5,000	**3,749**	1,251	833	**3,239**	(2,406)	6,251	63 %
5301 Employee Support	3,500	1,750	**1,632**	118	292	**213**	78	1,868	53 %
5302 Wellness	600	300	**185**	115	50	**0**	50	415	69 %
530E Employee Assistance Program	3,500	1,750	**1,868**	(118)	292	**306**	(14)	1,633	47 %
600C Property & Liability Insurance	114,911	44,456	**46,750**	(2,294)	(14,257)	**(12,532)**	(1,726)	68,161	59 %
6001 Workers' Compensation Insurance	180,303	67,652	**20,774**	46,878	(26,225)	**(73,051)**	46,826	159,529	88 %
605C Dues & Memberships	28,500	25,995	**19,054**	6,941	418	**0**	418	9,446	33 %
606C Reproduction & Printing	26,750	13,375	**2,205**	11,170	2,229	**103**	2,127	24,545	92 %
606E Recruitment/Advertising	7,000	3,500	**3,949**	(449)	583	**64**	520	3,051	44 %
607C Office Supplies	19,200	9,600	**7,884**	1,716	1,600	**229**	1,371	11,316	59 %
607E Postage	5,500	2,750	**1,322**	1,428	458	**0**	458	4,178	76 %
608C Computer & Network Systems	5,000	2,500	**3,095**	(595)	417	**0**	417	1,905	38 %
608E Bank Service Charges	120	60	**0**	60	10	**0**	10	120	100 %
609C Local Agency Formation Comm.	1,200	1,200	**2,287**	(1,087)	0	**0**	0	(1,087)	(91)%
609E Professional Fees	52,500	26,250	**28,321**	(2,071)	4,375	**4,863**	(488)	24,179	46 %
610C Attorney Fees	49,000	24,500	**30,272**	(5,772)	4,083	**5,851**	(1,767)	18,728	38 %
610E HR Risk Management	4,500	2,250	**5,625**	(3,375)	375	**0**	375	(1,125)	(25)%
611C Conference Expense	53,500	22,800	**6,713**	16,087	4,333	**(14)**	4,347	46,787	87 %
611E In-Lieu	13,200	6,600	**6,600**	0	1,100	**1,100**	0	6,600	50 %
612C Trustee Support	4,800	2,400	**1,441**	959	400	**0**	400	3,359	70 %
620C Meetings Expense	4,620	2,310	**1,030**	1,280	385	**294**	91	3,590	78 %
621C Promotion & Education	26,500	13,250	**7,574**	5,676	2,208	**4,941**	(2,733)	18,926	71 %
622C Public Outreach Advertising	45,000	22,500	**1,754**	20,746	3,750	**8**	3,742	43,246	96 %
650C Benefit Assessment Expenses	96,000	16,000	**13,826**	2,174	0	**0**	0	82,174	86 %
Total Administrative Expenses	770,704	326,247	**221,658**	104,589	(11,041)	**(63,937)**	52,896	549,046	71 %
Utilities									
640C Utilities	105,000	52,500	**53,448**	(948)	8,750	**258**	8,492	51,552	49 %
641C Telecommunications	11,000	5,500	**16,776**	(11,276)	917	**2,231**	(1,315)	(5,776)	(53)%
Total Utilities	116,000	58,000	**70,224**	(12,224)	9,667	**2,489**	7,177	45,776	39 %

	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									
700C Uniform Expense	30,500	15,350	**20,161**	(4,811)	2,525	**3,216**	(691)	10,339	34 %
705C Safety Expense	25,000	12,500	**8,054**	4,446	2,083	**175**	1,908	16,946	68 %
710C Physican Fees	5,000	2,500	**2,940**	(440)	417	**630**	(213)	2,060	41 %
715C IT Communications	40,000	20,000	**15,324**	4,677	3,333	**1,147**	2,186	24,676	62 %
720C Household Supplies	4,000	2,000	**1,463**	537	333	**80**	253	2,537	63 %
730C Repair & Maintenance	42,000	21,000	**25,850**	(4,850)	3,500	**2,792**	708	16,150	38 %
731C Maintenance & Calibration	7,800	3,900	**0**	3,900	650	**0**	650	7,800	100 %
735C Permits, Licenses & Fees	21,750	10,875	**2,127**	8,748	1,813	**0**	1,813	19,623	90 %
740C Vehicle Parts & Supplies	39,600	19,800	**16,516**	3,284	3,300	**956**	2,344	23,084	58 %
742C Offsite Vehicle Maint & Repair	17,000	8,500	**18,254**	(9,754)	1,417	**448**	969	(1,254)	(7)%
745C Equipment Parts & Supplies	15,500	7,750	**8,728**	(978)	1,292	**1,333**	(41)	6,772	44 %
750C Small Tools Furniture & Equip	1,700	850	**2,168**	(1,318)	142	**27**	115	(468)	(28)%
755C Lab Supplies & Expense	36,500	18,250	**13,966**	4,284	3,042	**155**	2,886	22,534	62 %
757C Aerial Pool Surveillance	25,000	12,500	**54**	12,446	2,083	**0**	2,083	24,946	100 %
757S Surveillance	52,000	26,000	**42,773**	(16,773)	4,333	**14,888**	(10,555)	9,227	18 %
760C Staff Training	87,250	43,625	**22,107**	21,518	7,271	**2,827**	4,444	65,143	75 %
765C Equipment Rental	1,000	500	**320**	180	83	**0**	83	680	68 %
767S Contract Services	154,800	77,400	**48,437**	28,963	12,900	**9,732**	3,168	106,363	69 %
770C Motor Fuel & Oils	80,200	40,100	**50,734**	(10,634)	6,683	**267**	6,416	29,466	37 %
775C Field Supplies	9,400	4,700	**7,220**	(2,520)	783	**0**	783	2,180	23 %
780C Control Products	785,000	392,500	**627,992**	(235,492)	65,417	**51**	65,366	157,008	20 %
785C Aerial Applications	124,500	62,250	**131,875**	(69,625)	10,375	**0**	10,375	(7,375)	(6)%
841S Capital Outlay	53,300	26,650	**45,118**	(18,468)	4,442	**0**	4,442	8,182	15 %
851C Research Projects	150,000	0	**130,454**	(130,454)	0	**130,454**	(130,454)	19,546	13 %
900C Contingency Expense	150,000	75,000	**34,398**	40,602	12,500	**0**	12,500	115,602	77 %
Total Operating	1,958,800	904,500	**1,277,033**	(372,533)	150,717	**169,178**	(18,461)	681,767	35 %
Contribution to Capital Reserves									
890C Transfer to other funds	503,547	251,773	**251,774**	0	41,962	**41,962**	0	251,774	50 %
Total Contribution to Capital Reserves	503,547	251,773	**251,774**	0	41,962	**41,962**	0	251,774	50 %
Total Expenditures	11,608,403	6,049,064	**5,999,383**	49,681	816,439	**851,120**	(34,680)	5,609,020	48 %
Net revenue over / (under) expenditures	(600,006)	(4,618,234)	**(2,289,366)**	2,328,868	386,439	**2,607,784**	2,221,345	(1,689,360)	282 %

CVMVCD

Balance Sheet

As of 12/31/2019

		Current Year
	Assets	
	Cash and Investments	
1000	Cash - Investments	10,876,120.52
1016	Petty Cash	500.00
1017	Petty Cash Checking	1,500.00
1025	First Foundation - General	28,334.32
1026	First Foundation - Payroll	118,507.76
	Total Cash and Investments	11,024,962.60
	Current Assets	
1050	Accounts Receivable	20,261.14
1085	Inventory	510,872.04
1168	Prepaid Insurance	198,812.53
1169	Deposits	587,624.00
	Total Current Assets	1,317,569.71
	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 12/31/2019

		Current Year
1530	Deferred Outflows of Resources - OPEB	312,420.00
1900	Due to/from	0.06
	Total Other Assets	4,969,170.38
	Total Assets	27,936,460.06
	Liabilities	
	Short-term Liabilities	
	Accounts Payable	
2015	Credit Card Payable	27,480.20
2020	Accounts Payable	139,643.07
2030	Accrued Payroll	0.06
2040	Payroll Taxes Payable	0.08
2185	Employee Dues	(65.85)
	Total Accounts Payable	167,057.56
	Total Short-term Liabilities	167,057.56
	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 Liaibility	715,923.00
2500	Compensated Absences Payable	689,034.56
	Total Long-term Liabilities	5,208,872.56
	Total Liabilities	5,375,930.12
	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 12/31/2019

		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	
		(2,569,879.52)
	Total Current YTD Net Income	(2,569,879.52)
	Total Fund Balance	22,560,529.94
	Total Liabilities and Net Assets	27,936,460.06

The financial reports show the balance sheet, receipts, and the revenue and expenditure reports for the month ending December 31, 2019. The revenue and expenditure report shows that the operating budget expenditure for July 1, 2019 to December 31, 2019 is $5,999,384; total revenue is $3,710,017 resulting in excess revenue over (under) expenditure for the year to December 31, 2019 of ($2,289,367).

THREE YEAR FINANCIALS

	Actual	Budget	Actual	Actual
	12/31/2019		12/31/2018	12/31/2017
Total Revenue	3,710,017	1,430,830	1,317,419	1,490,188
Expenses				
Payroll	4,178,695	4,508,543	3,506,023	3,240,686
Administrative Expense	221,658	326,247	197,618	275,357
Utility	70,224	58,000	32,640	50,176
Operating Expense	1,277,033	904,500	483,411	415,759
Contribution to Capital Reserves	251,774	251,773	241,307	
Total Expenses	5,999,384	6,049,063	4,461,000	3,981,979
Profit (Loss)	(2,289,367)	(4,618,233)	(3,143,580)	(2,491,791)

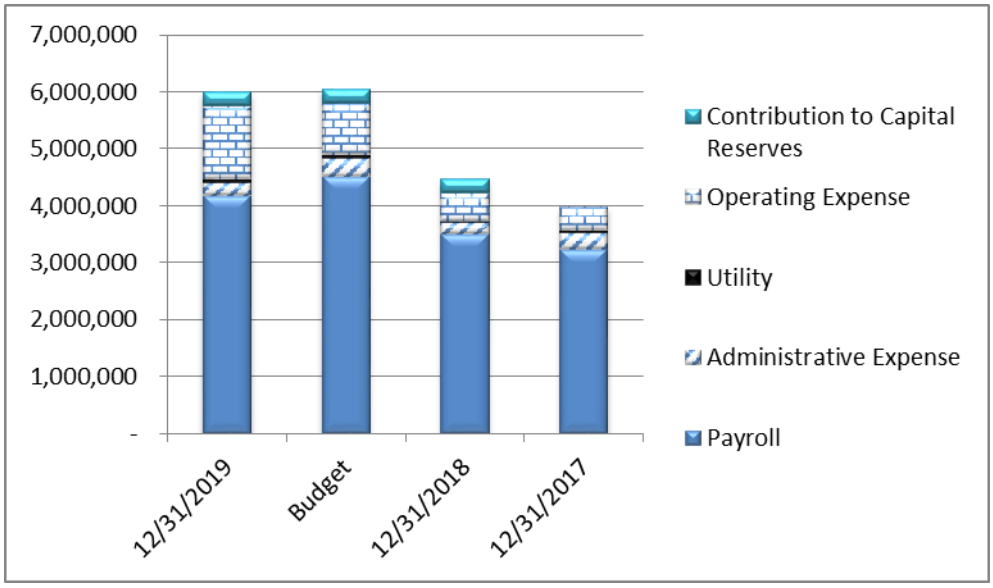


Figure 1 - Three Year Expenditure

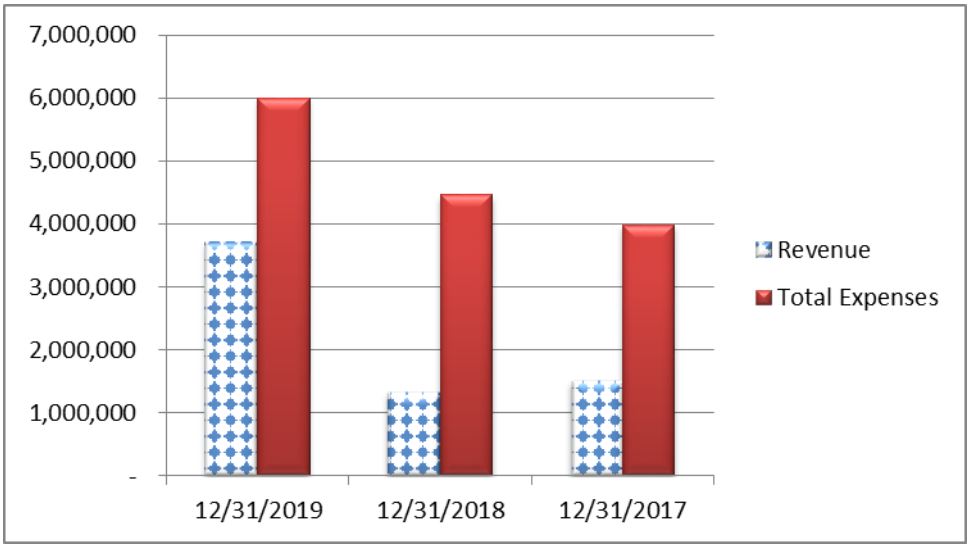


Figure 2 - Three Year Revenue & Expenditure

THREE YEAR CASH BALANCE

CASH BALANCES	12/31/2019	12/31/2018	12/31/2017
Investment Balance	10,876,121	9,318,669	9,237,976
Checking Accounting	28,334	262	11,967
Payroll Account	118,508	61,543	121,849
Petty Cash	2,000	2,000	2,000
TOTAL CASH BALANCES	**11,024,963**	**9,382,474**	**9,373,792**

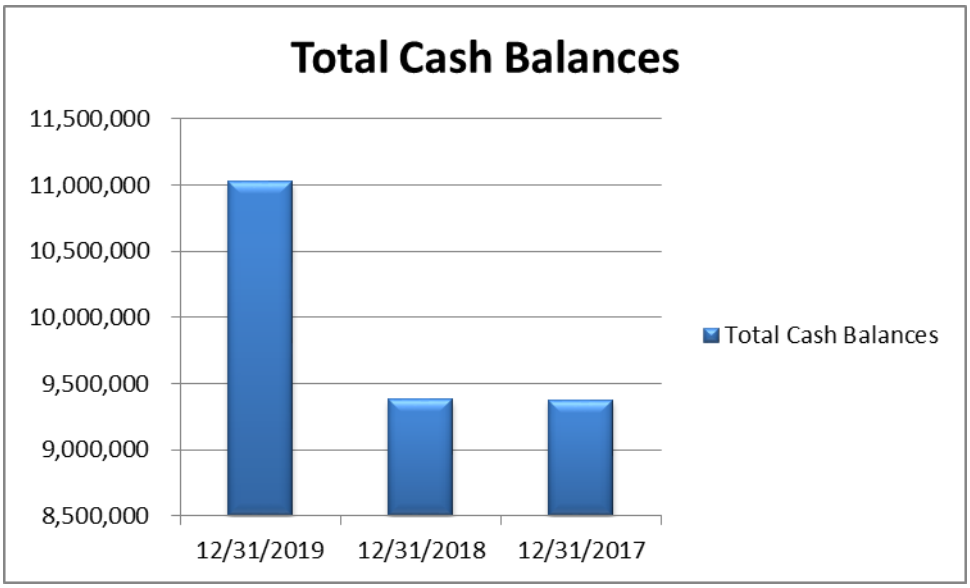


Figure 3 - Cash Balances

DISTRICT INVESTMENT PORTFOLIO 12/31/2019

The District's investment fund balance for the period ending December 31, 2019 is $10,876,121. The portfolio composition is shown in the pie chart. Local Agency Investment Fund (LAIF) accounts for 50% of the District's investments; the Riverside County Pooled Investment Fund is 40% of the total. The LAIF yield for the end of December was 2.05% and the Riverside County Pooled Investment Fund was 1.91%; this gives an overall weighted yield for District investments of 1.91%.

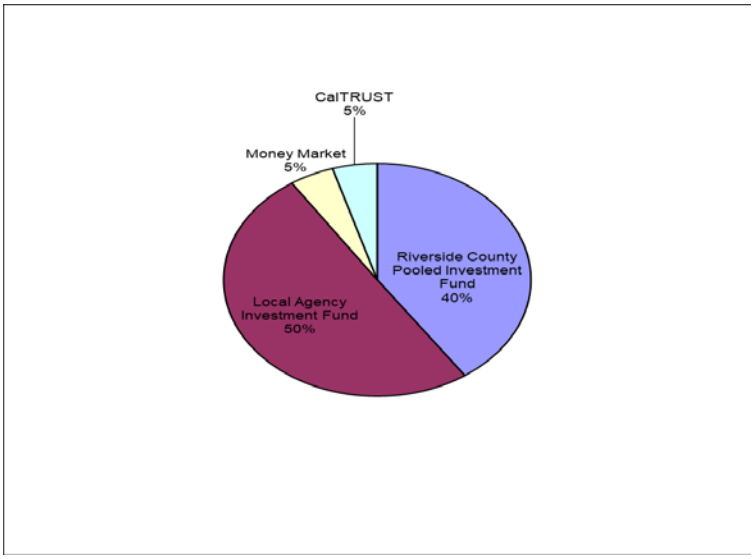


Figure 4 - Investment Portfolio 12-31-19

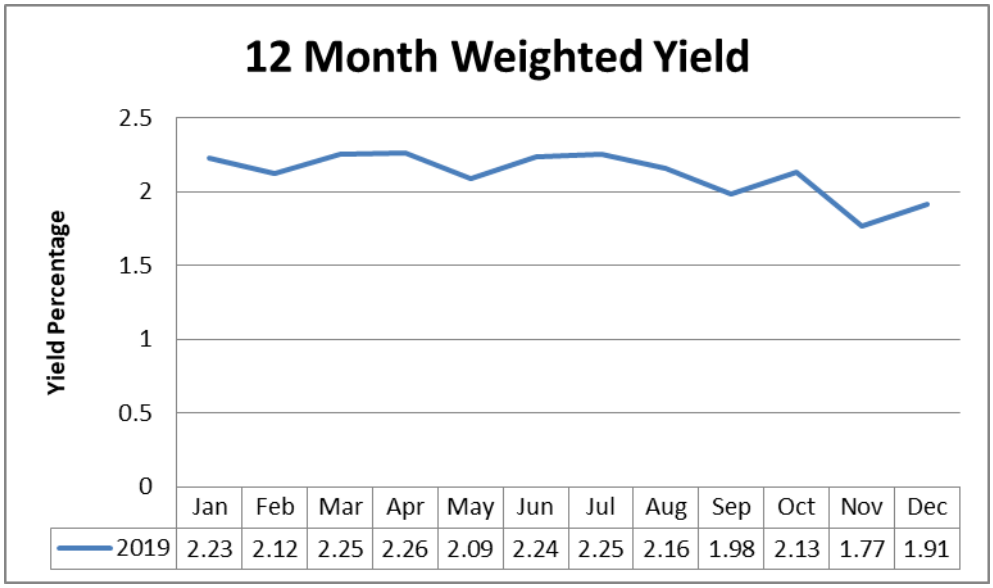
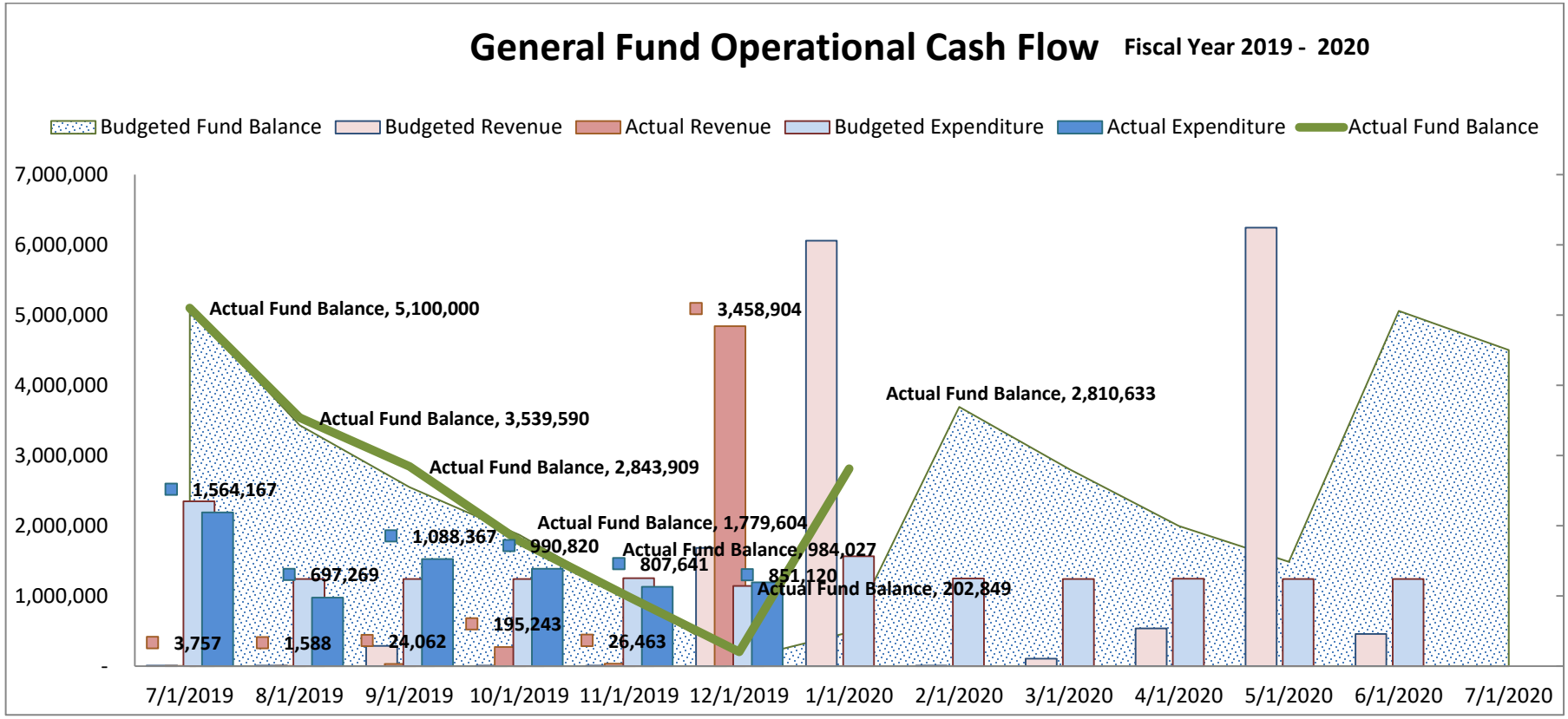


Figure 5 - District Investments Weighted Yield



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 December 31, 2019 of $3.7 million minus total Expenditure of $6.0 million is $2.8 million. For planning purposes the District is slightly under budget, showing expenditure is $50,000 less than budgeted. Revenue is higher than budgeted by $2.3 million, this is because the Redevelopment Pass Through Increment revenue from the County was received in December rather than January. As long as the green line stays out of the shaded area the District is within budget, as of December 31, the line is outside the shaded area.

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: Informational Item

District Travel and Trustee Training Opportunities– ***Graciela Morales, Executive Assistant/Clerk of the Board***

January 26-29, 2020: Mosquito and Vector Control Association of California (San Diego, CA)
The annual MVCAC Conference provides quality public information, comprehensive mosquito and vector-borne disease surveillance, training to high professional standards, and effective legislative advocacy on behalf of California mosquito and vector control districts. MVCAC promotes cost effective methods of mosquito and vector control as a means to protect public health and safety. MVCAC actively promotes the safe and effective use of public health pesticides. MVCAC does this through legislative advocacy, public education and media relations.
Requests to attend must be made by the January 2020 Board Meeting.

March 2-4, 2020: MVCAC Spring Quarterly Meeting and Legislative Days (Sacramento, CA)
Lobby Day provides an opportunity for District staff and trustees to meet with Legislators in Sacramento to foster relationships, share about the importance of mosquito and vector control in California, and discuss issues facing mosquito control in California and the Coachella Valley.
Requests to attend must be made by the January 2020 Board Meeting.

March 16-20, 2020: AMCA 86th Annual Meeting (Portland, OR) ~ The annual meeting of the American Mosquito Control Association (AMCA) is an opportunity for staff to meet with leading mosquito professionals from North America and other countries.
Requests to attend must be made by the February 2020 Board Meeting.

Board Action Item / Description		Month	Status	Comment
Agreements				
	New General Counsel Agreement	January	Completed	Retainer $4,000/ Month for all general counsel legal services; excluding litigation
	Approval of General Manager Employment Agreement Amendment	January	Completed	2% COLA; Special Merit Pay 3.5%
	Cleaning Services Agreement with CleanExcel	January	Completed	
	Service Agreement with Salton Sea Aerial Services	February	Completed	
	Public Works Contract with MAAS Companies for Project Manager Services for the Thermal Facility Asphalt Paving Project	February	Completed	
	Agreement with Palm Springs Air Conditioning for Installation of Dehumidifiers Salton Sea	March	Completed	
	Agreement with Willdan Financial for Engineering Services in Connection with the District's Benefit Assessment	March	Completed	
	Agreement with Ceja International Security	March	Completed	
	Agreement with Cintas through a US Communities Purchasing Alliance Contract for Uniform Service	May	Completed	
	Agreement with NSWC, Johnson Controls, and	May	Completed	

	Zaretzky to Complete the Laboratory's Exhaust Fan Replacement Project			
	Agreement with Onyx for Asphalt Repair Services of the District Headquarters	May	Completed	
	Agreement with Onyx for Paving and Landscaping Project at the Thermal Facility	June	Completed	
	Agreement with Health Career Connection for Intern for the Laboratory Department	July	Completed	
	Research Agreement with USDA	November	Completed	
	Research Agreement UCR (2)	November	In Progress	
	MOU between the City of Indio, CVAG and CVMVCD for CV Link Easement	November	In Progress	
Purchases Range = $5k to $10K				
	Approval of funds to the AMCA Research Foundation	June	Completed	
Purchases Greater than $10K				
	Supplies for Arbovirus Testing (Thermofisher)	January	Completed	
	Four Cushman 800x Gas Powered Carts	February	Completed	
	Annual Renewal of Abila, MIP Fund Accounting, Maintenance and Support	May	Completed	

	Purchase (1) One 2019 ARGO Frontier Amphibious Tract Vehicle	May	Completed	
	Purchase of Additional Control Products for FY18-19	June	Completed	
	Purchase of Supplies for Arbovirus Testing from ThermoFisher Scientific	July	Completed	
	Purchase One Super Duty Mist Sprayer for Area Wide Larvicide Applications	July	Completed	
	Purchase of Additional Control Products for FY18-19	July	Completed	
	Purchase Control Products From the Lowest Responsible Bidders or Sole-Source Providers	July	Completed	
	Purchase Control Products From the Lowest Responsible Bidders or Sole-Source Providers	September	In Progress	
	Approval to purchase six fleet vehicles	November	In Progress	
Resolutions				
	Resolution 2019-01 Adopting Employee Pay Schedule	February	Completed	
	Resolution 2019-02 In Recognition of Ramon Gonzalez's 25 Years of Service to the District Employee Pay Schedule	March	Completed	

	Resolution 2019-03 Designating the Week of April 21-27, 2019, as Mosquito Awareness Week	March	Completed	
	Resolution 2019-04 Adopting the 2019 CVMVCD Mosquito-borne Virus Surveillance and Emergency Response Plan	May	Completed	
	Resolution 2019-05 In Recognition of Carlos Hernandez 25 Years of Service to the District Employee Pay Schedule	June	Completed	
	Resolution 2019-06 Approving FY 2019-20 Budget	June	Completed	
	Resolution 2019-07 Intention to Levy Assessments for FY 2019-20	June	Completed	
	Resolution 2019-08 Approving Engineer's Report, Confirming Diagram and Assessment, and Ordering the Levy of Assessments for Fiscal Year 2019-20	July	Completed	
	Resolution 2019-09 Authorizing Attendance of Professional Development Conferences and Meetings by Members of The Board of Trustees and Employees of the District for Fiscal Year 2019-2020	July	Completed	
	Resolution 2019-10 Adopting Employee Pay Schedule	July	Completed	

	Resolution 2019-11 Adopting the District's New Purchasing Policy	October	Completed	
	Resolution 2019-12 Adopting the District's Abatement Policy	October	Completed	
	Resolution 2019-13 Gift Certificates	November	Completed	
	Resolution 2019-14 Revised Records Retention Schedule	November	Completed	
	Resolution 2019-15 Establishing Signature Approval for Checks Written by the District	November	Completed	
	Resolution 2019-16 Approving the District's Benefit Assessment Appeal Policy	November	Completed	
Other				
	Chromebooks for Trustees	January	Completed	Chromebooks for Trustees for Board packet and other District use
	Approval of the New District Logo	February	Completed	
	Surplus Sale of One, 2,000 Gallon Decommissioned Above Ground Tank	February	In Progress	
	Warrant Extension	February	Completed	
	Refund in the amount of $8,718.33 following revised benefit assessment for property having APN 745-360-003	September	Completed	
	Approval to grant a day off to all full-time employees in appreciation of their work and	September	Completed	

	dedication in protecting public health during the mosquito virus season			
	Emergency Succession Plan for the General Manager	October	Completed	
	IT Security Awareness Training Program Kickoff	October	In Progress	

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: Informational Item

Semi-annual research reports from the University of California, Riverside and the USDA for 2019 – **Jennifer A. Henke,M.S., Laboratory Manager**

Background:

The Research Department (Department 600) supports cooperative work with the University of California system and other research institutions for conducting mosquito-borne disease and vector research, optimizing control measures, and understanding of vector biology. The proposals include using biological control organisms to target adult mosquitoes in storm water systems, examining new control strategies for adult mosquitoes, and examining a water resistant bait to control red imported fire ants. Each of the proposals were approved by the Research Committee and later approved by the full Board of Trustees at the November 2018 Meeting.

As described in District's Research Funding Policy and Procedure, researchers are to provide semiannual progress reports. The reports are from the following proposals:

1. **UC Riverside (Dr. W. Walton) – The proposal includes:**
    - Examine the use of attractive toxic sugar bait stations with fungi and pyriproxifen as the toxic agents in storm drains

2. **USDA (Dr. D. Oi) – The proposal includes:**
    - Examine the efficacy of water resistant baits as a control product for red imported fire ants.

Attachments:

- UC Riverside Annual Research Report – Dr. Walton
- USDA Annual Research Report – Dr. Oi

Annual Report, December 2019: Attractive Toxic Bait Station Control of Mosquitoes in Underground Storm Drain Systems of the Coachella Valley

William E. Walton, Ph.D., Eric Huynh, B.A. and David A. Popko, M.S.
Department of Entomology, University of California, Riverside, CA 92521

Objectives:

The goals of this project are to investigate the efficacy of attractive toxic sugar bait (ATSB) stations to transmit and promote mosquito-propagated (autodissemination) transmission of chemical and biological control agents against mosquitoes inhabiting underground storm drain systems (USDS). We proposed (i) to develop an ATSB design that effectively attracts adult *Culex quinquefasciatus* mosquitoes and exposes them to control agents via contact and/or ingestion under laboratory conditions, (ii) to assess lethal and sublethal effects on mosquito life stages in laboratory exposure assays with an ATSB-based entomopathogenic fungus, biocidal/reproductive sterilizing agent, or insect growth regulator (IGR), and (iii) to determine the efficacy of multiple ATSB-based control agents against mosquito adults and immature stages at developmental sites in release and recapture trials under laboratory and field conditions.

USDS Autumn Field Trial

Two replicate ATSBs (total = 24 units) were deployed in each of twelve USDS distributed across the Coachella Valley during a three-week period, October – November 2019 (Figure 1). One ATSB was located either at the manhole entrance or the far side (distance of separation = 1-10 m) of each USDS. CDC light traps (without carbon dioxide) to monitor adult mosquito abundance were centrally positioned inside each USDS and a single additional trap was located aboveground at each city-site. Immature mosquito abundance was assessed with triplicate dipper samples in five USDS with permanent deep water reservoirs (depth range: 30-80 cm).

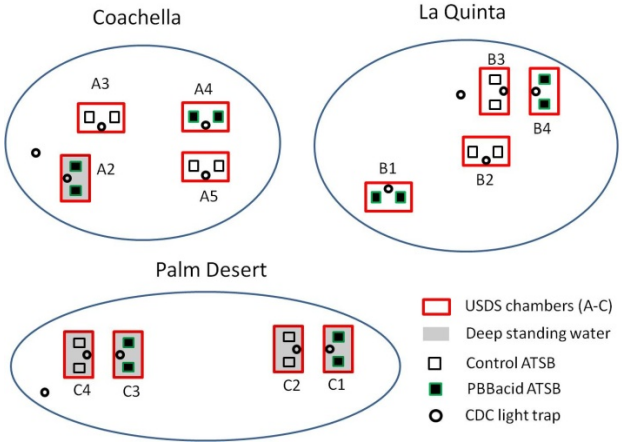


Figure 1. Field experimental design in Coachella Valley USDS, Oct. – Nov. 2019. PBBacid = pyriproxyfen, *Beauveria bassiana*, and boric acid combined. Note: figures not drawn to scale.

Each ATSB setup consisted of a 'PIE' design within a covered plastic washtub tethered to USDS ladders or street-side metal grills (Figure 2). Specifications of the floating washtub and PIE-ATSB design were outlined previously (see Progress Report June 2019 and Project Proposal, September 2019). In short, plastic washtubs were covered with plastic-lined cardboard 'roofs' that protected the washtub from street runoff and allowed side-access to each ATSB. The PIE-ATSB design stored at least 1 L of attractive bait sealed into a plastic bowl reservoir with saturated sponges covered by a snap top. Snap tops were hollowed out and a double fiberglass mesh glued across to create a feeding 'membrane'. Attractive bait (controls) consisted of approximately 80% sugar solution (10% sugar by weight), 19% fermented chick bedding solution and 1% red food coloring dye. Toxic bait stations (PBBacid) contained the above attractive bait modified with boric acid (1% by weight) and purple food coloring dye. Laboratory experiments with *Culex quinquefasciatus* indicated purple dye and boric acid produced similar rates of mortality as red dye and boric acid, despite that purple dye alone was moderately toxic (30% mean rise in mortality) compared to red dye alone (data not shown). Both dyes were readily visible after ingestion (up to a week in the case of purple dyes) and were used to potentially differentiate wild adults feeding on toxic and control baits in USDS.

Figure 2. USDS deployment of ATSB stations and CDC light traps in autumn 2019.

The sealed bait reservoir surface was covered by an inverted bowl with access flaps that protected bait feeding surfaces. In toxic stations, the outer ring of inverted covers stored a dry powder blend of adulticidal *Beauveria bassiana* (10 g of BGWP formulation) and pupacidal pyriproxyfen (= PPF: 0.5 g, technical grade material).

ATSB stations were deployed in USDS over a three-week period, October 25 – November 16, and efficacy trends were assessed on a weekly basis during aging. Native adult mosquito populations were sampled overnight with CDC light traps. Immature stages were collected with a dipper (dipper volume = 350 mL) from USDS cisterns when standing water was present (Figure 1). Street-level runoff occasionally flooded ATSB stations. The contents of flooded washtubs were poured into dipper cups and analyzed after ATSB removal. Trapping methodology and the enumeration, identification, and laboratory monitoring of live-captured adults for mortality and infection rates were assessed per standard methods described previously (Progress Report June 2019).

Laboratory-based *Cx. quinquefasciatus* fourth instar larvae (N = 15 per protected rearing bowl) were deployed in each ATSB washtub concurrent with CDC light trap collections to monitor localized efficacy of PPF treatments. Methods of transport, exposure, and post-exposure

monitoring of mortality, pupation, and adult emergence for a week in the laboratory were performed as described previously (Progress Report June 2019).

Results: Adult Mosquitoes Trapped in USDS

Autumn field deployments yielded more than 4,000 adult mosquitoes (N = 4,443, mean = 60 per CDC trap) comprised almost exclusively of *Cx. quinquefasciatus* females (80% of total: 39% non-gravid, 38% gravid, 2% bloodfed, and 1% unknown parity) and males (19% of total). The remaining 1% of adults were *Aedes aegypti* (10 females, 12 males), *Culex tarsalis* (15 females), *Culiseta inornata* (6 females), and *Culex stigmatosoma* (1 female). Before the autumn 2019 study, *Aedes aegypti* was rarely collected within USDS cisterns (2018: 1 male and spring 2019: 1 female).

In general, mosquito abundance in USDS did not appear to differ between control and PBBacid ATSB treatments (Figure 3). Interestingly, adult mosquito numbers were more than 50-fold lower in traps deployed aboveground yet adjacent to USDS in autumn 2019. Adult mosquito abundance at the Coachella, Palm Desert, and La Quinta locations appeared to increase, decrease, and remain constant, respectively, as 2019 progressed. Coachella USDS therefore averaged 6-fold more mosquitoes compared to the other USDS city-sites when PPF was added to ATSBs in the late spring and autumn trials. Whereas the numbers of adult mosquitoes collected inside USDS cisterns clearly declined during the autumn study, the numbers of adult mosquitoes collected outside the cisterns fluctuated.

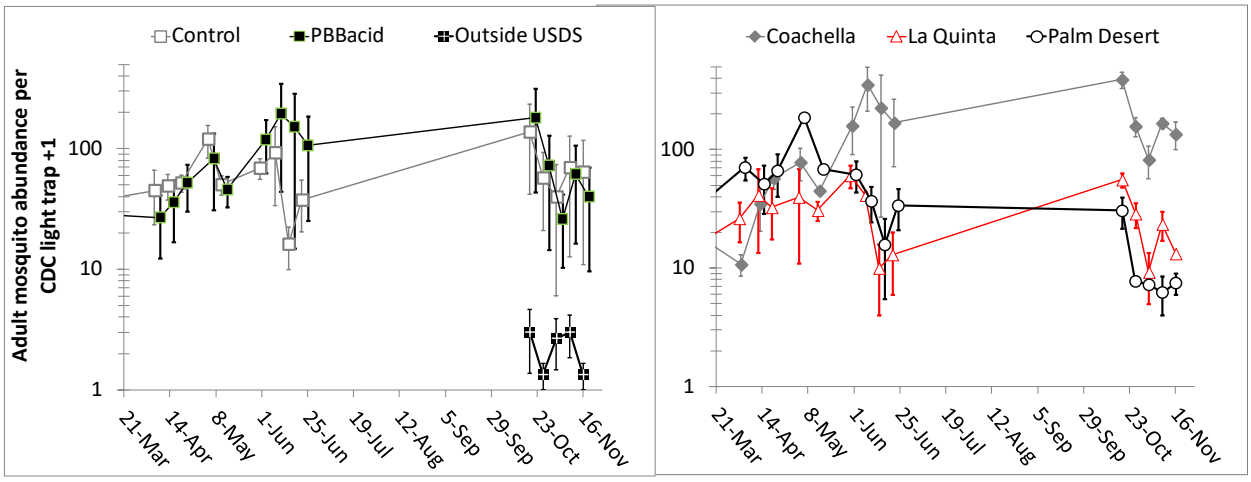


Figure 3. Adult mosquito abundance (mean ± SE) in USDS stratified by ATSB (left) and location (right) in 2019. Note Log10 scale.

Mosquitoes infected with fungus moved into control sites. *Beauveria bassiana* was detected in 5% and 13% of the mosquitoes collected in late spring and autumn, respectively, during 2019. In autumn (Figure 4), infected adults were collected in both fungus-treated (19 ± 15%) and control (7 ± 3%) USDS. Mosquitoes from fresh fungus-treated USDS exhibited the highest

infection rates (65 ± 19%) and retained modest infection rates (27 ± 15%) after two weeks of ATSB aging. In contrast, infection rates in control USDS were similar (mean = 6-10%) during the two-week aging period. Both treated and control USDS exhibited minimal fungal activity in wild adults collected after 3 weeks of ATSB aging. Survival rates in the laboratory were similar between wild adults collected from PBBacid (46 ± 13%) and control USDS (49 ± 9%).

Bait dyes were found within the bodies (abdomen, thorax/head, and both) of a small fraction of dead wild adults (mean = 0.26%) collected from CDC traps; although the red dye was more frequently encountered (mean = 0.45% of control specimens) than purple dye (mean = 0.07% of PBBacid specimens).

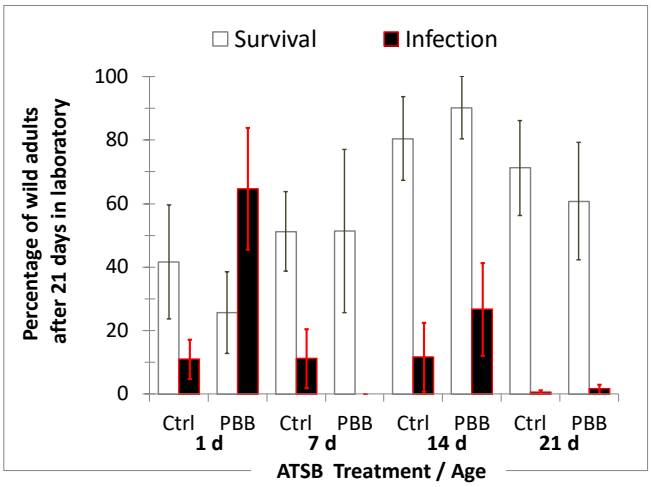


Figure 4. Percentages (mean ± SE) of survival and infection with *Beauveria bassiana* in live wild mosquitoes removed from CDC traps and monitored for up to 21 days in the laboratory during the autumn 2019 USDS study.

Results: Dipper Samples of Immature Mosquitoes in USDS

Culex quinquefasciatus larvae were the dominant immature mosquitoes collected in USDS in 2019 (*N* = 19,941, mean = 67 immatures per dipper sample), except for small numbers of *Culex stigmatosoma* (*N* = 5) and *Culex tarsalis* (*N* = 1). The majority of *Culex* immatures were $1^{st}/2^{nd}$ instars (66%), followed by $3^{rd}/4^{th}$ instars (31%) and pupae (3%). *Culex* egg rafts were added to total mosquito counts; however, rafts break apart during dipper sample processing and a single egg raft was assumed to be present in a sample with < 200 eggs. Overall, *Culex* eggs were detected in 19% of all samples (*N* = 2,963, mean = 13 eggs per sample).

During the autumn study, the only USDS at Coachella with standing water (PBBacid ATSB) averaged over 200 *Culex* immatures per dipper sample or more than 5-fold higher than USDS at Palm Desert (Figure 5). Among Palm Desert USDS, more than double the numbers of *Culex* were collected from control (55 ± 18 specimens) compared to PBBacid (23 ± 5 specimens) sites. Immature mosquito habitat created by street runoff into ATSB stations at Coachella produced the highest *Culex* density encountered (>3,000 per 350 mL dipper cup).

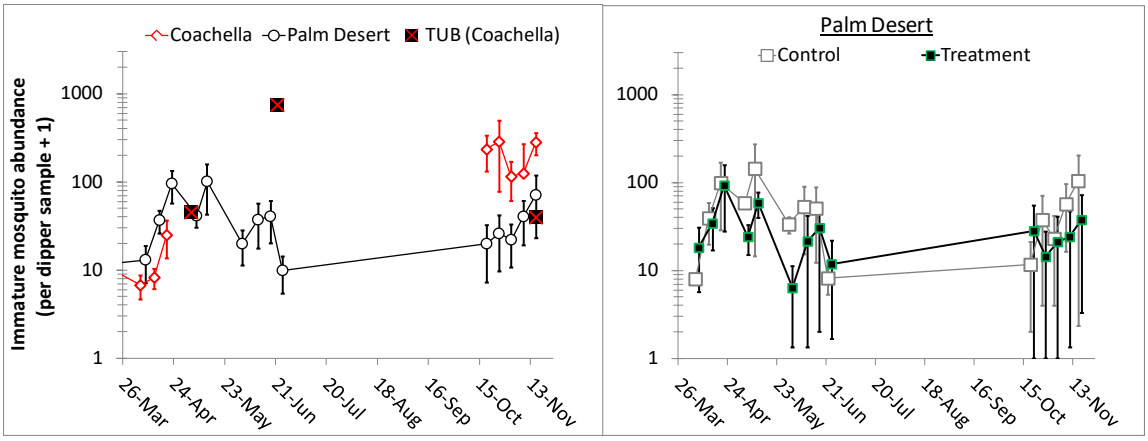


Figure 5. Wild immature mosquito abundance (mean ± SE) in USDS stratified by city (left) and ATSB treatment (right – Palm Desert only) in 2019. Mosquitoes from tubs at Coachella were collected from yachts with water inside upon removal. Note Log10 scale.

Results: Sentinel Larval Development after USDS Exposure

Mean emergence of sentinel *Cx. quinquefasciatus* larvae into adults during the 2019 trials (Figure 6) was reduced by more than two-thirds by PPBacid ATSB exposure (23 ± 6%) compared to control ATSB exposure (78 ± 7%). A seasonal discrepancy in the success of exposed larvae was evident and average emergence rates were reduced in autumn compared to spring by almost one-third in controls (autumn: 67 ± 7% vs. spring: 94 ± 3%) and one-half in the PPBacid treatment (autumn: 17 ± 3% vs. spring: 31 ± 14%). In autumn, PPBacid efficacy persisted at near constant rates for the entire three-week period, while efficacy of PPBacid declined appreciably after one week during spring. The ratio of female to male adults generally increased with decreased emergence rates – e.g. spring controls with the highest emergence rates exhibited a 50/50 sex ratio and the autumn PBBacid treatment with the lowest emergence rates produced cohorts with the most females (93%). The three city-sites did not appear to be associated with adult emergence rates in either spring or autumn trials.

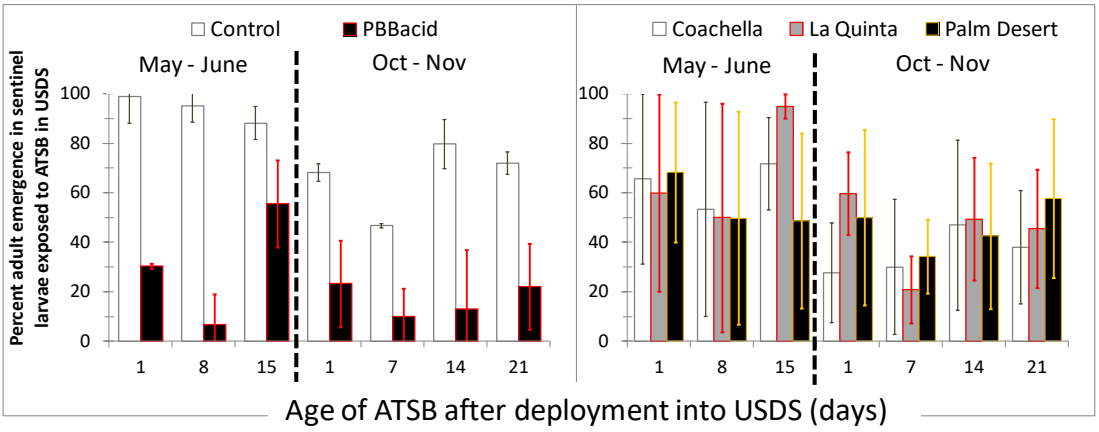


Figure 6. Emergence rates (mean ± SE) of laboratory *Culex quinquefasciatus* larvae after 1d exposure to ATSB treatments aged in USDS during 2019.

Discussion

Significant progress was made to determine the fate of the ATSB in mosquito control programs in Coachella Valley USDS during 2019. ATSB design upgrades and expanded coverage zones coincided with an increased prevalence of wild adult mosquitoes infected with *Beauveria bassiana*, modest declines in wild larval mosquito abundance, and increased mortality of sentinel larvae exposed to the mosquito control agents tested. These trends were evident to varying degrees in both treated and untreated sites, suggesting ATSB powder mixtures (BGWP + pyriproxyfen) disseminated throughout USDS. Infected adult mosquitoes were collected in control sites and sentinel mosquito larvae in bait stations with insecticidal agents exhibited levels of adult emergence that were significantly lower than for larvae in the control (untreated) bait stations. Both abiotic (e.g. wind, water flow) and biotic (e.g. adult mosquitoes = autodissemination) factors were possible mechanisms that spread treatments over distance. The monitoring of fungal activity in adults may be useful for tracking and/or predicting PPF efficacy, especially at immature mosquito developmental sites not readily accessible in USDS. There is optimism that the effectiveness of fungi/PPF can be further bolstered with larger reservoirs, greater numbers of toxic stations and/or fewer control stations, and efforts to maintain the freshness of formulations of biorational control agents.

On the other hand, the ultimate goal of reduced adult mosquito abundance in USDS has yet to be observed in ATSB experimental trials. Mortality from field-acquired fungal infections and uptake of bait dyes were lower than observed from laboratory assays. The greater size and complexity of field habitats compared to laboratory testing facilities probably limit the intensity of mosquito exposures and offers additional sources of sugar that compete with ATSB baits. Laboratory experiments to date have been no choice, single bait station exposures and assays with multiple bait stations might help to predict the practicality of future ATSB strategies in USDS. Moreover, losses caused by ATSB mortality may have been offset by adult mosquitoes migrating from adjacent USDS sites or from external developmental sites. USDS cisterns may have been preferable to aboveground resting sites as indicated by the dearth of adults in street-level CDC traps and the presence of mosquito species such as *Aedes aegypti, Culex tarsalis,* and *Culiseta inornata* in CDC traps within cisterns but absent as immatures in the developmental sites surveyed. Upcoming experiments will continue to address the impact of size, distribution, and aging on ATSB performance to determine the control potential of this treatment method alone and its role within integrated mosquito control programs for USDS in the Coachella Valley.

Semiannual Research Progress Report #4 for CVMVCD grant:
Dec. 31, 2019

Improving fire ant bait efficacy in irrigated landscapes in the Coachella Valley

David H. Oi and Jian Chen*
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1600 SW 23rd Drive, Gainesville, FL 32605

*USDA Agricultural Research Service,
Biological Control of Pests Research Unit
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Summary of Activity January 2018 through December 2019.

- Three water-resistant fire ant bait formulations were further tested after changing the active ingredient to hydramethylnon. Hydramethylnon has a faster mode of action (2-4 weeks) where it kills adult workers in contrast to the IGR pyriproxyfen (6-8 weeks). The faster mode of action on adult worker ants provided more definitive test results since worker death is easier to observe and does not require extensive colony rearing to see IGR effects on brood.
    - In laboratory testing, the water-resistant Erasant bait formulation with hydramethlynon (Erasant-Hydro) and the standard bait (Amdro), which also contains hydramethylnon, both eliminated 2 of 3 fire ant colonies when wet and 3 of 3 colonies when dry. This suggested that water resistant formulation did not improve bait performance when wet bait is presented as piles in laboratory tests.
    - Erasant-Hydro, the other water-resistant carriers (Zein, Ars) formulated with hydramethylnon, and the Amdro eliminated fire colonies in irrigated potted plants. The Amdro and Zein baits had no queen survivorship in all 3 reps.
- Comparison of water resistant and standard bait applied in piles versus broadcasting on sod that was irrigated or not watered after bait was applied indicated that piled and broadcast bait applications had similar efficacy when irrigated.
    - For irrigated treatments, all 6 colonies died (i.e. all queens dead) for Amdro bait applied in piles or broadcast, and 5 of 6 colonies died with the Zein formulation. The surviving colony was from a piled bait application.
    - For the unirrigated bait applications, only half of the colonies died in the Zein baiting, while 5 of 6 colonies died in the Amdro treatment.
- Commercially available fire ant baits scattered (broadcast) on sod that was watered resulted in substantial worker and brood reductions as well as queen death with 3 of the 4 baits tested.
    - Advion and Erasant-Hydro baits had significantly greater percent reductions in worker ant and brood volume than the controls with and without irrigation. All queens died in the Advion treatments, while 1 of 4 colonies had a surviving queen in the irrigated Erasant-hydro treatment. The irrigated Siesta baiting also had 1 of 4 queens survive.
    - The Seduce bait was not effective where 7 of 8 colonies survived (i.e. queens survived). All control colonies remained alive.
- A field study, comparing the efficacy of broadcast applications of standard bait (Advion) and water-resistant bait (zein coated Advion [Zein]) was conducted in the Coachella Valley in May and June 2019.
    - Fire ant counts were significantly lower than the control for both baits which were wetted by sprinkler irrigation or hand-held sprayers soon after baits were applied.
    - Despite both baits being moistened, efficacy for the standard bait was not significantly different from the water-resistant bait.

Water Resistant Baits

Prolonging the physical stability and palatability of fire ant baits exposed to water would markedly advance the ability to control fire ants in wet conditions. Efforts have been made to decrease the negative effects of precipitation and/or irrigation on fire ant baits that utilize a corn-grit carrier. Moisture renders corn-grit carriers mushy and supposedly unpalatable to fire ants. One example of water-resistant baits (Erasant), replaces the corn-grit with dried distiller's grains solubles (DDGS) (Kafle et al 2010). Another approach protects the corn-grit carrier from moisture by spraying the corn protein zein on standard fire ant bait (J. Chen, personal communication). Three water-resistant fire ant bait formulations (Erasant-Hydro, Zein, Ars) plus a standard fire ant bait (Amdro) and a control bait (Table 1) were evaluated on colonies of red imported fire ants, *Solenopsis invicta*. These carriers contained the active ingredient hydramethylnon, which has a faster mode of action than the insect growth regulating (IGR) active ingredient pyriproxyfen used in 2016 and 2017. Hydramethylnon kills adult workers in 2-4 weeks in contrast to pyriproxyfen which takes 6-8 weeks to show its effect of impeding worker brood development.

Table 1. Baits tested for water-resistance.

Bait	**% AI**	**Carrier**	**Manufacturer**
Erasant-Hydro	0.9% hydramethylnon	DDGS	Chung Hsi Chemical
Zein	1.0% hydramethylnon	corn grit	ARS Stoneville, MS
Ars	1.0% hydramethylnon	corn grit	ARS Stoneville, MS
Amdro	0.73% hydramethylnon	corn grit	Central Garden & Pet
Control	0.0% no active ingred.	corn grit	---

Laboratory colony testing of water-soaked hydramethylnon baits.

The Erasant-Hydro, the standard fire ant bait Amdro, and the control bait were tested against laboratory colonies of red imported fire ants to confirm the efficacy of the Erasant bait with hydramethylnon because the combination of this active ingredient and the DDGS carrier was new. All baits were soaked in water for 30 minutes, allowed to drain for 10 minutes, and then presented to the colonies. Another set of colonies were presented dry bait for comparison. Colonies were starved for 24 hours, had access to bait for about 24 hours, and then laboratory diet of frozen crickets and 10% sugar solution were added. Data were collected on the third day after initial bait access and approximately weekly for 4 weeks. A randomized complete block design was used with blocks based on colony size. Each colony contained one queen with average (± std. err.) number of workers and brood volume (ml) per rep as follows: Rep 1: 1,317 (±182), 7.3 (±1.0) ml; Rep 2: 417 (±31) , 3.3 (±0.3) ml; Rep3: 41,667 (±1,667) , 33.8 (±4.6) ml. Percent reductions in worker numbers and brood volume from pretreatment values were analyzed by analysis of variance and Tukey's HSD test.

The water soaked Erasant-Hydro and the Amdro baits caused significant reductions in workers and brood volume and killed the queens in 2 of 3 colonies. Both dry baits each eliminated all three colonies, while all the control colonies remained alive (Tables 2-4).

Table 2. Average (±SE) [n=3] percent reduction of *S. invicta* workers and milliliters of worker brood at specified weeks after exposure to wet or dry hydramethylnon bait. Negative values indicate colony growth. Means within a column followed by the same letter are not significantly different (P>0.05) by analysis of variance and Tukey's HSD test.

	% Reduction in Worker Ants					
Treatment	**Day 3**	**Week 1.0**	**Week 1.4**	**Week 2.4**	**Week 3.4**	**Week 4.3**
Wet Control	0.0 c (±0.0)	-8.3 bc (±8.3)	0.0 b (±0.0)	-8.3 b (±4.2)	12.5 b (±7.2)	38.8[a] ab (±48.8)
Wet Amdro	47.5 ab (±13.8)	64.4 ab (±12.4)	84.4 a (±4.4)	89.7 a (±4.2)	91.3 a (±4.7)	93.9 a (±3.5)
Wet Erasant-H	41.1 abc (±15.6)	47.8 abc (±19.5)	52.5 a (±19.5)	54.7 a (±21.5)	63.3 a (±16.4)	66.4 a (±16.5)
Dry Control	0.0 a (±0)	-22.2 c (±22.2)	-19.4 b (±10.0)	-42.2 b (±16.8)	-54.7 b (±23.2)	-45.8 b (±25.3)
Dry Amdro	86.9 a (±1.9)	96.9 a (±1.6)	98.3 a (±1.7)	98.3 a (±1.7)	99.2 a (±0.8)	100 a (±0.0)
Dry Erasant-H	40.6 bc (±7.8)	48.9 abc (±14.5)	77.9 a (±8.1)	81.6 a (±9.7)	83.7 a (±10.9)	90.0 a (±10.0)

[a]One colony had escaped between weeks 3.4 and 4.3

Table 3. Average (±SE) [n=3] percent reduction of worker brood at specified weeks after exposure to wet or dry hydramethylnon bait. Negative values indicate colony growth. Means within a column followed by the same letter are not significantly different (P>0.05) by analysis of variance and Tukey's HSD test.

	% Reduction in Brood					
Treatment	**Day 3**	**Week 1.0**	**Week 1.4**	**Week 2.4**	**Week 3.4**	**Week 4.3**
Wet Control	0.0 a (±0)	-8.3 ab (±8.3)	-27.8 ab (±2.8)	-77.8 b (±64.1)	-55.6 ab (±53.0)	-75.0[a] b (±75)
Wet Amdro	0.0 a (±0)	15.1 a (±8.3)	41.3 ab (±12.5)	73.1 ab (±16.1)	77.3 a (±16.8)	88.7 a (±8.4)
Wet Erasant-H	8.3 a (±8.3)	12.0 a (±7.2)	31.1 ab (±13.6)	47.9 ab (±14.2)	63.4 a (±21.2)	76.9 a (±12.9)
Dry Control	0.0 a (±0)	-62.5 b (±31.5)	-45.8 b (±25.3)	-78.7 b (±34.6)	-95.4 b (±42.7)	-62.5 b (±31.5)
Dry Amdro	1.7 ab (±1.7)	32.2 ab (±17.5)	53.1 ab (±20.6)	71.7 a (±23.5)	83.3 a (±16.7)	100 a (±0)
Dry Erasant-H	0.0 a (±0)	1.7 ab (±1.7)	32.2 ab (±17.5)	53.1 ab (±20.6)	71.7 a (±23.5)	83.3 a (±16.7)

[a]One colony had escaped between weeks 3.4 and 4.3

Table 4. Number of living *S. invicta* queens and the number of colonies at specified weeks after exposure to wet or dry hydramethylnon bait.

	Number of living queens/No. of colonies					
Treatment	**Day 3**	**Week 1.0**	**Week 1.4**	**Week 2.4**	**Week 3.4**	**Week 4.3**
Wet Control	3/3	3/3	3/3	3/3	3/3	2/2*
Wet Amdro	3/3	3/3	2/3	2/3	1/3	1/3
Wet Erasant-H	3/3	3/3	3/3	3/3	1/3	1/3
Dry Control	3/3	3/3	3/3	3/3	3/3	3/3
Dry Amdro	3/3	2/3	1/3	0/3	0/3	0/3
Dry Erasant-H	3/3	3/3	3/3	3/3	1/3	0/3

*One colony escaped between weeks 3.4 and 4.3

Irrigated nursery pots

The water-resistant bait carriers Ars, Zein, and Erasant-Hydro, the standard fire ant bait Amdro, and a control of 20% once-refined soybean oil absorbed onto pregel defatted corn grit were tested on fire ant colonies nesting in irrigated, potted boxwood shrubs. The methods followed the protocol used in 2017: Bait (10 g /pot) was applied in a pile under a micro-sprinkler immediately before water sprayed on the bait for 2 minutes (Fig. 1). Thereafter the sprinkler was on for 2 minutes at 8 am, 12 noon, and 4 pm, for seven days, which was the based on the irrigation schedule used by a local nursery. Pots were contained in fluoned-lined trays to prevent ant escapes and held for 4 weeks outdoors under a covered lanai to allow for the effects of hydramethylnon to be expressed. Frozen crickets, 10% (w/v) sugar solution, and water were added to the pots 48 hr after baiting to provide sustenance to fire ant colonies. After 4 weeks, fire ants were extracted from the pots by cutting the trunk at the soil line, placing the root ball in a bucket, and slowly dripping water into the bucket until the accumulating water forced the ants out of the root ball. The size of the extracted colonies was determined by visually estimating the number of living ants based on photos of known numbers of fire ants in nest cells and comparing the brood volume to photos of measured brood volume. Colonies also were examined for the presence of their queen. Three replications were conducted for each bait.

Fig. 1. Bait pile under micro-sprinkler.

In addition to the colony extraction, fire ant activity was rated weekly using the following scale when the soil was disturbed by prodding with a stick or fingers: 0 = no ant activity seen; 1= 1-10 ants seen (no fear of stings when searching soil for ants with bare hand); 2= 11-100 ants milling about in soil, ant activity slow but obvious, and not boiling out of soil; 3= >100 ants aggressively boil out of disturbed soil, hesitant to place bare hand in soil.

Results are presented in Tables 5 - 7. There was a large reduction in workers and brood volume in all treatments except the control. Percent reduction in workers and brood for all water-resistant baits and the standard Amdro, ranged from 90-100% and 70-100%, respectively, after 4 weeks. In contrast the controls had a reduction of 29% and an increase of 20% in workers, and reductions of 23 and 80% in brood. Live queens were not found in any of the hydramethylnon baited pots, while the queen was found in each of the control colonies (Table 7). Ant activity was obviously greater in the control pots as fire ants would boil out of soil when the soil was prodded with a stick, while no more than 100 ants would be seen milling about in the hydramethylnon treated pots beginning at 2 weeks after treatment. Thus, based on queen survivorship, the water-resistant baits and the standard bait performed similarly when baits were piled and placed directly under irrigation, with the exception of the Ars and the Erasant-Hydro where queens survived in the third replicate (Table 7).

Table 5. Number of living worker ants per colony 0 and 4 weeks after initial bait access for reps 1 & 2.

	Number of worker ants					
	Rep 1		Rep 2		Rep 3	
Treatment	Week 0	Week 4	Week 0	Week 4	Wk 0	Wk 4
Ars	13,000	0	10,000	600	10,000	600
Erasant-Hydro	10,000	0	12,000	1,200	18,000	0
Zein	8,000	0	10,000	500	14,000	0
Amdro	12,000	0	8,000	500	20,000	0
Control	10,000	12,000	14,000	10,000	15,000	1000

Table 6. Worker brood volume per colony at 0 and 4 weeks after initial bait access for reps 1 & 2.

	Brood Volume (ml)					
	Rep 1		Rep 2		Rep 3	
Treatment	Week 0	Week 4	Week 0	Week 4	Wk 0	Wk 4
Ars	30	0	18	0.25	15	0.1
Erasant-Hydro	12	0	18	0	20	0
Zein	12	0	10	2	3	0
Amdro	20	0	10	3	20	0
Control	15	10	25	5	4	4

Table 7. Number of live queens per colony at 0 and 4 weeks after initial bait access for reps 1 -3.

	Queens Alive					
	Rep 1		Rep 2		Rep 3	
Treatment	Week 0	Week 4	Week 0	Week 4	Week 0	Week 4
Ars	1	0	1	0	1	1
Erasant-Hydro	1	0	1	0	1	1
Zein	1	0	1	0	1	0
Amdro	1	0	1	0	1	0
Control	1	1	1	1	1	1

Comparing broadcast versus piled bait application to examine the effects of irrigation on fire ant bait performance.

Based on the results of the laboratory and pot tests, we hypothesized that the reported deleterious effects of irrigation on bait efficacy were due to the inaccessibility of bait because broadcast applications of bait exposed individual bait particles to greater moisture which facilitates deterioration and the washing away of bait particles. In contrast, piled baits are more protected from moisture and less prone to runoff. Thus, a study was conducted to compare the bait efficacy of broadcast and pile bait applications exposed to sprinkler irrigation.

Pieces of grass sod that contained 1 teaspoon of either broadcast (i.e. scattered evenly over the sod) or piled (in two ½ teaspoon heaps, ≈8 in. apart) fire ant bait. Fire ant baits utilized were the water resistant, zein coated pregel, defatted corn grit carrier, containing 1% hydamethylnon in soybean oil and a standard bait, Amdro (0.73% hydramethylnon). Sod pieces were each irrigated with 2.7 liters of water with a sprinkler can from a height of 2-3 feet, then the sod was held for 30 minutes to permit baits to absorb moisture from the wet sod. Fire ant colonies were starved (provided water only) for 24 hours before given access to the bait treated sod by bridging the colony tray to the sod with a strip of fabric (Fig. 2). Fire ant colonies would typically move into the sod. Frozen crickets and 10% (w/v) sucrose solution was provide 48 hours after bait access. All sod was watered (500 ml) every 3-4 days to keep sod alive and provide moisture for fire ant nests. After 4 weeks, the sod would be cut into pieces,

placed into a bucket, and the fire ant colonies extracted by slowly flooding the sod with dripping water. Percent reductions in worker numbers and brood volume from initial worker and brood levels were compared among the ten treatments with three replicates by analyses of variance and Ryan-Einot-Gabriel-Welsch multiple range tests. Queen survivorship also was determined.

The Amdro broadcast had the most consistent efficacy, killing 7 of 8 queens regardless if the bait was broadcast or piled and whether it was irrigated or left dry. The single surviving queen was from the dry, piled Amdro treatment. The water-resistant zein bait when broadcast and irrigated did not have any surviving queens. When the zein bait was piled, 1 of 3 colonies survived when irrigated. For the dry zein bait, 1 of 3 and 2 of 3 colonies survived when broadcast and piled, respectively. However, percent reductions in brood were 100% for both dry zein treatments suggesting that these queens were no longer producing eggs. All the control colonies survived (Table 8), however two of the control colonies (1 irrigated and 1 dry) had large brood reductions of 88 and 75% which resulted in statistically nonsignificant percent reductions in brood from the baited colonies. The remaining 4 control colonies had reductions ranging from 33% to -33% (i.e. 33% increase). Overall, it seemed that the broadcast treatment either irrigated or dry allowed the fire ants to forage the baits more efficiently than when applied in piles.

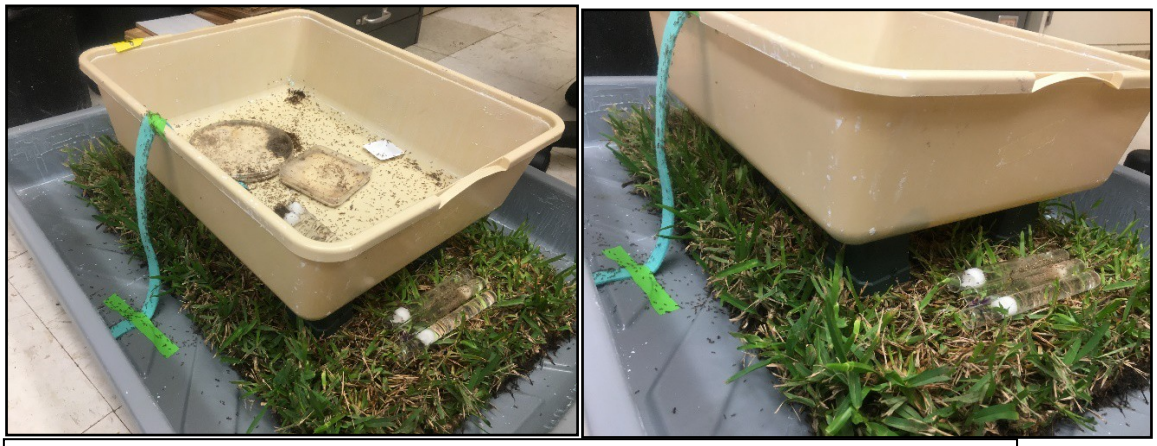


Fig. 2. Fire ant colony provided access to grass sod. The lab colony typically moves into the sod on fabric strip from the rearing tray supported above the sod.

Table 8. Average (N=3) number of living *S. invicta* worker ants and brood volume per colony at initial (week=0) bait access and the average (N=3) % reduction in worker ants and brood volume after 4 or more weeks after access to bait that was piled or scattered (broadcast) onto sod. In addition, the number of colonies with one or more queens at the beginning and end of the study are reported. Baits/sod were irrigated (Wet) within 30 minutes or not watered (Dry) before being exposed to ants. Control sod did not receive any bait.

		Avg. No. Ants [a]	% Reduc. in Ants [a]	Avg. Brood Vol. (ml) [a]	% Reduc. in Brood [a]	# Colonies with Queens	
Irrig.	**Treatment**	**week 0**	**week 4+**	**week 0**	**week 4+**	**week 0**	**week 4+**
Wet	Zein –broad.	11,333 abc	94.7 a	12.0 a	100.0 a	3/3	0/3
	Zein –piled	8,333 bc	83.3 a	7.3 a	83.3 a	3/3	1/3
	Amdro -broad.	20,000 a	100.0 a	9.7 a	100.0 a	3/3	0/3
	Amdro –piled	19,000 ab	99.1 a	4.3 a	100.0 a	3/3	0/3
	Control -no bait	17,000 abc	-8.1 b	10.0 a	49.8 a	3/3	3/3
Dry	Zein –broad.	11,000 abc	92.5 a	6.7 a	100.0 a	3/3	1/3
	Zein –piled	9,667 abc	95.1 a	5.7 a	100.0 a	3/3	2/3
	Amdro -broad.	10,333 abc	96.0 a	12.0 a	100.0 a	3/3	0/3
	Amdro –piled	7,333 c	95.0 a	11.0 a	50.0 a	3/3	1/3
	Control -no bait	10,000 abc	-0.9 b	12.7 a	13.9 a	3/3	3/3

[a] Averages followed by the same letter within a column (Wet and Dry combined) are not significantly different ($P>0.05$) by analyses of variance and Ryan-Einot-Gabriel-Welsch multiple range tests.

Laboratory testing of commercial baits under irrigation.

The efficacy of four, commercially available, fire ant baits exposed to simulated irrigation was against evaluated on laboratory colonies of *S. invicta*. Because the previous study indicated that bait applied by broadcast was as effective as piled bait applications under sprinkler-type irrigation, 1-2 teaspoons of bait (depending on colony size) was scattered on small sod pieces then watered (300 ml) with a water sprinkler container from a minimum height of 3 feet, to thoroughly wet the sod. Another set of baited sod was not irrigated. Colonies were starved (provided water only) for 24 hours before given access to baits and then fed frozen crickets and 10% sucrose solution 48 hours later. Baits evaluated were Advion (0.045% indoxacarb), Siesta (0.063% metaflumizone), Erasant-Hydro (0.9% hydramethylnon), and Seduce Insect Bait (0.07% spinosad). Seduce is labeled for ants, but not specifically for *S. invicta*. Seduce and Erasant have unique carriers that are touted to resist water degradation.

Advion and Erasant-Hydro baits had significantly greater percent reductions in worker ant and brood volume than the controls regardless of irrigation. All queens died in the Advion treatments, while 1 of 4 colonies had a surviving queen in the irrigated Erasant-hydro treatment. The irrigated Siesta baiting also had 1 of 4 queens survive, however worker and brood reductions were less consistent than the Advion and Erasant-Hydro. The Seduce bait was not effective where 7 of 8 colonies survived (i.e. queens survived), worker numbers increased, and brood volume reductions were low or negative (increased brood). Past experiences with spinosad containing fire ant baits also demonstrated inconsistent control (DHO personal observations). All control colonies remained alive and generally grew (Tables 9 & 10). Because of the wide variance in percent reductions in workers and brood, non-parametric analyses on rank-transformed data was reported with untransformed averages. Consequently, some values in (Table 9) have higher reductions, yet statistical significance is less (e.g. % brood reduction for wet-Siesta vs. wet-Erasant-Hydro). Commercially available fire ant baits scattered (broadcast) on sod and subsequently watered, still resulted in substantial worker and brood reductions as well as queen death with 3 of the 4 baits tested (Tables 9 & 10). Negative effects of irrigation on these baits may not be operationally significant, thus these laboratory results should be validated under field conditions.

Table 9. Average (N=4) number of living *S. invicta* worker ants and brood volume per colony at initial (week=0) bait access and the average % reduction in worker ants and brood volume after 4 or more weeks. Baits were irrigated (Wet) within 30 minutes or left dry before being exposed to ants.

Irrig.	Treatment	Avg. # workers Week 0	Avg. % Reduction in workers Week 4+	Avg. brood (ml) Week 0	% Reduction in brood Week 4+
Wet	Advion	13375 a[a]	99.3 a[b]	18.3 a[a]	99.9 a[b]
	Siesta	11500 a	64.7 ab	18.8 a	86.6 abc
	Erasant-Hydro	11750 a	64.6 a	20.3 a	75.0 ab
	Seduce	9750 a	-16.7 b	13.3 a	-9.0 bc
	Control	14875 a	-29.7 b	20.0 a	-26.9 c
Dry	Advion	12375 a	99.9 a	19.0 a	100.0 a
	Siesta	12275 a	89.8 a	25.0 a	95.7 ab
	Erasant-Hydro	13375 a	99.8 a	23.0 a	100.0 a
	Seduce	9175 a	-29.8 b	20.5 a	14.7 bc
	Control	15625 a	-27.1 b	24.5 a	1.4 c

[a] Averages followed by the same letter within a column (Wet and Dry combined) are not significantly different (*P*>0.05) by analyses of variance on log10(X+1) transformed data. Untransformed averages are presented.
[b] Averages followed by the same letter within a column (Wet and Dry combined) are not significantly different (*P*>0.05) by analyses of variance and Ryan-Einot-Gabriel-Welsch multiple range test on rank transformed data. Untransformed averages are presented.

Table 10. Total number of colonies with *S. invicta* queens 4+ weeks after initial access to irrigated (wet) or dry commercial fire ant baits scattered over sod. A total of four, single-queen colonies were given access to bait within 30 minutes after baits were watered.

Irrigation	Advion	Siesta	Erasant-Hydro	Seduce	Control
Wet	0	1	1	3	4
Dry	0	0	0	4	4

Field Trial comparing water resistant and standard fire ant bait.

A field study, comparing broadcast applications of standard bait (Advion), water-resistant bait (zein treated Advion [Zein]), and an untreated control was conducted in the Coachella Valley in May and June of 2019. Three infested sites were located by CVMVCD staff and the study was conducted with the assistance of a CVMVCD Biologist. Baits were broadcast with a battery-powered, hand-held seed/fertilizer spreader (Scott's Wizz) at the PGA West and Arnold Palmer Restaurant sites. The third site consisted of approximately 15 ft. wide grass median strips between a parking lot and sidewalk (bounded by Fred Waring Dr. and Painter's Path in Palm Desert [near the closed Tilted Kilt Restaurant]). Because of the small amount of bait needed to treat the site, baits were applied by manually shaking a tennis ball container with 6-8 holes (4 mm dia. each) punched into the cover. This allowed the small volume (1-1.5 cups) of bait to be applied evenly over the median strips. Irrigation was turned on by the PGA West staff for 7-9 minutes within 15 minutes after baits were applied (0.4 - 0.6 cm water). At the other sites, baits were wetted with water from hand-held and back-pack sprayers as soon as bait applications were completed. In addition, at the Arnold Palmer site, 30-45 min after baits were applied, irrigation was on for 7 minutes (irrigation amount not recorded). Normal irrigation occurred overnight at all sites with 0.2 – 1.0 cm of water recorded at PGA West, 0.4 – 2.0 cm at Arnold Palmer, 0.8 – 1.0 cm at Tilted Kilt. Irrigation water applied was estimated from rain gauges placed in plots at each site. The PGA West and Arnold Palmer sites each served as separate replicates, while the Tilted Kilt was divided into three replicates. Thus, the study had a total of five replicates.

Fire ant populations were determined by counting the number of fire ants on dime-sized [≈1 - 1.5 ml]) dollops of peanut butter lures placed along transects within each plot. Peanut butter lures were used in place on hotdog slice lures used by the CVMVCD because birds were removing almost all hotdogs before ants were counted. Lures were placed at ≈15-20 ft intervals and examined for ants 30-45 minutes after lures were dispensed. The number of lures per plot ranged from 5 to 22 with an average of 11 lures per plot. The most acceptable method to apply the peanut butter was directly onto the turf using syringes (60, 100 ml). Sun exposed lures were shaded with wood placards (3 x 4 in.) supported by landscape staples (Fig. 2). Sampling was conducted at 0 (pretreatment), 2, and 4 weeks after bait applications. The number of fire ants per lure was averaged for each treated and control plot within a replicate and the plot averages were compared among treatments by analysis of variance and Einot-Ryan-Gabriel-Welsch multiple range test for each sampling date.

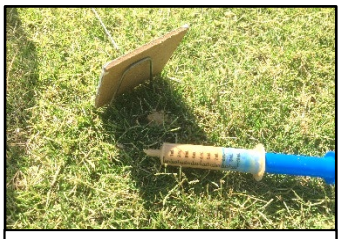


Fig. 2 Peanut butter lure shaded by placard and syringe used to apply lure directly on turf.

The Zein and Advion baited plots had significantly less ($P \leq 0.05$) fire ants per lure than the untreated controls 2 and 4 weeks after baiting. The number of fire ants per lure between the water resistant Zein bait and the standard Advion did not differ significantly throughout the study (Table 11). Two weeks after baiting, average fire ant counts were 62% and 43% less than pretreatment averages for the Zein and Advion baits, respectively, while the control increased 84%. After 4 weeks, percent reductions from pretreatment average counts were 48, 16, and -52% (52% increase) for the Zein, Advion, and control treatments, respectively. Thus, bait efficacy of the water-resistant formulation of zein-coated Advion was not significantly different from the standard Advion even after the baits were wetted soon after baits were applied. This suggested that irrigation does not have to be turned off after bait applications were made under early summer conditions in the Coachella Valley. Bait particles of both Advion and Zein were visible after irrigation and supposedly available to foraging fire ants (Fig 3).

Fig. 3. Bait particles (at tips of rain gauge spikes) after irrigation at PGA West site.

Table 11. Average number of red imported fire ants, *S. invicta*, per lure of peanut butter (dime-sized [≈1 - 1.5 ml]) deposited along transects within each plot. Sampling was conducted at 0 (pretreatment), 2, and 4 weeks after bait applications.

	Average No. Red Imported Fire Ants per Lure[a]		
Treatment	Week 0	Week 2	Week 4
Zein[b]	48.9a[cd]	18.5a	25.7a
Advion	30.5a	17.4a	25.6a
Control	35.0a	64.2b	53.2b

[a] Lure, dime-sized dollop of peanut butter (≈1 – 1.5 ml) placed directly on turf.
[b] Zein, water resistant bait formulation of Advion bait sprayed with the corn protein zein.
[c] Averages followed by the same letter within a column are not significantly different (P>0.05) by analyses of variance and Ryan-Einot-Gabriel-Welsch multiple range test.
[d] Week 0 analysis on $\log_{10}(x+1)$ transformed data to reduce heterogeneity of variances; non-transformed averages are presented.

Overall Project Conclusions and Observations.

The efficacy of standard fire ant bait was similar to water-resistant bait formulations regardless of being wet or dry. This result was consistent over different testing approaches (listed below) and suggests that irrigation does not have to be suspended after fire ant bait applications. Fire ants were observed foraging on water-soaked baits which suggested that the premise that wet, mushy, corn grit carrier baits were not foraged by fire ants is inaccurate. Wet, but fast drying carriers, such as the dried distiller's grains solubles (DDGS) used in the Erasnt baits, seem to be foraged upon more easily, but did not result in significantly different efficacy from standard, corn grit carrier baits. Nevertheless, the efficacy of standard bait with and without suspending irrigation should be compared using field operation protocols.

- Laboratory exposure of fire ant colonies in trays to piles of water-resistant bait formulations (Erasant-Hydro) had statistically similar reductions in fire ant workers and brood as that of a standard bait formulation (Amdro) whether the baits were dry or wet.
- In tests conducted in irrigated potted plants, where baits were applied in piles under a micro-sprinkler, the water-resistant (Zein, Erasant-Hydro, Ars) and standard bait (Amdro) had similar efficacy.
- Efficacy of water-resistant (Zein) and standard bait (Amdro) when scattered (broadcast) onto sod pieces in the laboratory was similar whether irrigated or dry. In addition, the broadcasted baits seemed to result in more consistent bait efficacy when compared to bait applied in piles.
- Among several commercial baits (Advion, Siesta, Ersant-Hydro, Seduce) broadcast onto sod in the laboratory, with and without wetting, Advion bait had the highest reductions in fire ant workers and brood (>99%) and no queen survivorship.
- In the field test, the standard Advion bait had statistically similar fire ant counts as the water-resistant zein-coated Advion despite wetting both baits after application.

Table 1. Milestones for water-resistant bait development for the Coachella Valley.

Year / Quarter	Lab test broadcast vs pile bait application	Lab test water resistant baits	CA bait field trial: site selection	CA bait field trial: treat & sample
2018 Jan-Mar	In Progress			
2018 Apr-Jun	In Progress			
2018 Jul-Sep		In Progress		
2018 Oct-Dec	Completed	In Progress		
2019 Jan-Mar		In Progress	Completed	
2019 Apr-Jun		Completed		In Progress
2019 Jul-Sep				Completed
2019 Oct-Dec				

References Cited.

Kafle, L., W. J. Wu, and C. J. Shih. 2010. A new fire ant (Hymenoptera: Formicidae) bait base carrier for moist conditions. Pest Management Science 66: 1082-1088.

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: Informational Item

Staff report summary – Entomological Society of America Annual Conference, November 17-20, 2019 in St. Louis, Missouri

Background:

The Entomological Society of America held its Annual Meeting in St. Louis, Missouri. The theme, Advocate Entomology!, allowed for organizers to gather a variety of presentations on the latest advances in the entomology and science communication for the four day meeting.

We attended a variety of presentations while there. The Medical, Urban, and Veterinary Entomology section of ESA had presentations on the latest research completed on mosquitoes and other arthropods of importance to public health. Some of the topics that were covered were the latest control techniques for mosquitoes; modeling strategies for predicting vectors and disease across space and time; student presentations on their research about ants, ticks, biting midges, and flies; visual communication for entomological research; highlights of research published in 2019 about medical, urban, and veterinary entomology; bark scorpion behavior and public health importance; and science communication to other scientists and to non-scientists.

Kim Hung presented a talk on the work she coordinated to inspect and remove bark scorpions in a neighborhood in Indio. The work has involved routine inspections with a professor from Loma Linda University and a senior biologist from the California Department of Public Health. With the former Public Information Manager, Jill Oviatt, Kim conducted a survey to examine how well her training has been understood and used by the residents a year after the initial event.

Jennifer Henke was elected to the Governing Board as a Representative for the Pacific Branch of the ESA and began her three-year term on November 20, 2019.

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

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: Informational Item

Staff report summary – MVCAC Planning Meeting, December 3-4, 2019, in Burlingame, CA

Background:

The focus of the MVCAC Planning Session was to review the work accomplished in 2019 and to set the priorities for 2020. The committee chairs were charged with setting their goals for the coming year and to update their rosters. The MVCAC Board will review conduct a focused strategic plan in 2020 to ensure its priorities are shared by the District managers.

Additional items of interest include:

- Legislative activities – MVCAC Legislative Day March 4, 2020
- Funding CalSurv is a planned priority project again this year
- California Mosquito and Vector Control Awareness Week – April 19-25, 2020
- Regulatory activities – reviewing regulations on storm water storage and wetland management activities as they impact vector control
- MVCAC review of contracts with service providers (AMG and KP) for the Association.

Staff also provided their input on other committees including Information Technology, Integrated Vector Management, Laboratory Technologies, Public Relations, Training and Certification, Vector Control Research, and Vector and Vector-borne Disease.

Attendees:

Jeremy Wittie, General Manager, Past President
Jennifer A. Henke, Laboratory Manager, Regulatory Affairs Chair

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: Informational Item

Staff report summary – CSDA Clerk of the Board Annual Conference, November 12-14, 2019, in Seaside, CA

Background:
The annual California Special Districts Association Board Secretaries/Clerks Conference was two full days of education on all major areas related to the many aspects of the Board Secretary/Clerk's responsibilities.

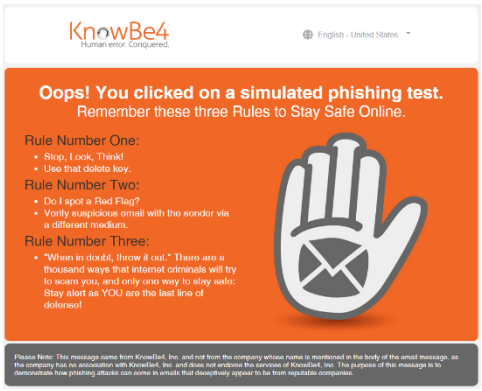
The first-time attendee track offered sessions tailored to individuals who are new in their role. The courses offered provided useful information with breakout sessions focused on: Staying in Compliance: Understanding Fundamental Special District Laws; The Role of the Clerk and Meeting Minutes; Online ADA Compliance and Transparency; Clerk Foundations; Advanced Training in the California Public Records Act; Understanding Board Member and District Liability Issues, and more.

ATTENDEES:
Graciela Morales, Executive Assistant/Clerk of the Board

Email Security Awareness Report Card

Group: District Employees

Six Phishing campaigns have been initiated to all District Staff. Of the six campaigns, the 'Instagram Phishing Email' was 'opened' by eight users and 'clicked' on by two users. Users who 'clicked' on the Phishing Email were presented with 'Oops! You clicked on a simulated phish test and where present with three Rules to Stay Safe Online Splash Screen.' Only one user reported their 'click' event on the Instagram Phishing Campaign.



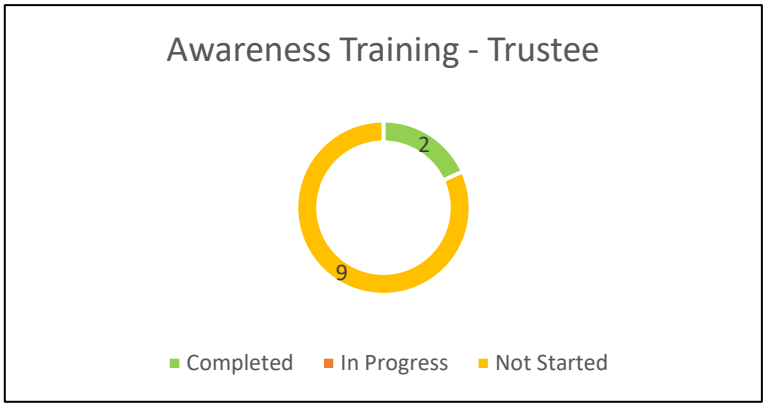
Using this information, additional campaigns will focus on social media platforms. The IT Department received ten phone calls from staff (40% from the field and 60% from the office) reporting the unusual emails from the last three campaigns, highlighted in the table below.

Email Phishing Campaigns	Sent	Delivered	Opened	Reported	Clicked	Failed %
Overdue Invoice (Excel Attachment with Macro)	58	58	4	0	0	0
Instagram: Unidentified Device (Link)	58	58	8	0	2	3.4
Dick's Sporting Goods: Score 50% Off Holiday Deals + Up to 25% Off (Link)	58	58	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

Group: Trustee

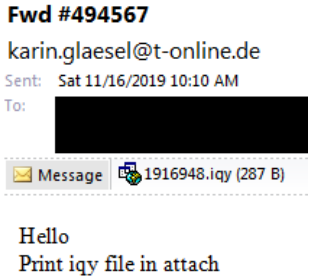
Two of eleven Trustees have completed the 2019 Kevin Mitnick Security Awareness Training.

This course takes users through real-world scenarios showing strategies and techniques hackers use to take control of organizations. Users also learn about the seven areas of an email that contain red flags that alert you to a possible attack.



Firewall Modification

The District's Firewall has been configured to block '.iqy' files based on a user reporting an unusual attachment. IQY files contain a URL and other parameters needed to make queries over the internet, which could allow



malicious applications to execute on a user's computer. The user relied on their training and acted appropriately.

Moving Forward

Staff will receive additional training and phishing campaigns on staying secure on Social Media, the dangers of Free Wifi and additional Security Awareness Fundamentals. In addition, informational items will be posted throughout the District to reinforce Email Security Awareness Training Topics and the importance of reporting all junk, spam or unusual email communications.

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: Informational Item

Staff report summary – California Debt & Investment Advisory Commission (CDIAC) Public Funds Investing Workshop November 20, 2019 Sacramento, CA

Background:

The one day workshop was presented by CDIAC at the CalSTRS headquarters. The workshop was interactive, users brought their own laptops and used Excel tools for benchmarking, exploring the relationship between yield, duration and convexity.

There was an overview of what it means to be a steward of investing public funds, how to communicate the investment goals, economic forecasting and historical data, and benchmarking. The training also included a tour of CalSTRS investment floor. The training was very informative, a lot of the material was new to me. For example a capital loss on a portfolio is not necessarily a bad thing especially with a higher interest yield.

Attendees:

David I'Anson, Administrative Finance Manager

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: Consent Item

Approval to renew the contract with CleanExcel for cleaning services for the District headquarters in an amount not to exceed $3,811 per month – **David I'Anson, Administrative Finance Manager**

Background:

The District uses an outside contractor for facility cleaning services. The District has contracted with CleanExcel since 2010, their service has been satisfactory and they have met all expectations. In 2019 the District sought proposals for cleaning services and CleanExcel was the lowest responsible bidder. District staff would like to renew the agreement for an additional term of one year. There is an increase of $315 per month on current contract due to the California minimum wage increase.

Staff Recommendation:

Staff recommends renewing the contract for one year.

Fiscal Impact:

FY2019-20 Budget GL # 7675.01.305.000 Contract Services	Current Available Funds	Proposed Expense Fiscal Year 2019/20	Remaining Available Funds
Amount budgeted $65,000	**$25,309**	**$19,055**	**$6,254**

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: Consent Item

Approval of Travel Calendar Update and Training Opportunity for Tammy Gordon, Public Information Officer, to attend the CAPIO Annual Conference in an amount not to exceed $1,500. **Tammy Gordon, Public Information Officer**

Background:

The California Association of Public Information Officials (CAPIO) is a professional resource for California public communication professionals offering workshops and educational resources at the annual conference in Santa Barbara, CA.

This conference also provides credits for the J. Lindsey Wolf Certificate in Communications which is being attained by the District's PIO. This certificate requires the completion of communication courses and continuing education credits both of which are being offered at this conference.

Staff Recommendation:

Staff recommends the approval to attend the CAPIO Annual Conference by the Public Information Officer in an amount not to exceed $1,500.

Fiscal Impact:

FY2019-20 Budget GL # 7600.01.215.027 Staff Training	Current Available Funds	Proposed Expense Fiscal Year 2019/20	Remaining Available Funds
Amount budgeted $2,900	**$2,250**	**$1,500**	**$750**

SECTION
13

NEW BUSINESS

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: New Business

Discussion and/or approval of new General Manager Three Year Employment Agreement to include 2% COLA and 2019 Merit Pay of 3.5% - **ad hoc Negotiating Committee**

Background:

At the November 12, 2019 Board Meeting, the Board completed the General Manager annual evaluation. On December 13, 2019 the General Manager met with an ad hoc Negotiations Committee comprised of President Doug Hassett, Trustee Franz De Klotz, and Trustee Dr. Doug Kunz to negotiate salary and benefits of a new three year agreement. The ad hoc Negotiations Committee and Mr. Wittie reached an agreement subject to approval by the Board of Trustees.

Listed below are the proposed changes to Mr. Wittie's agreement:

1. New Agreement Term – January 14, 2020 to December 31, 2022

2. COLA of 2 %

Current Salary	COLA of 2 %	Proposed Annual Salary
$154,706.46	$3,094.13	$157,800.59

3. One time Special Merit pay of 3.5% = $5,414.73

Staff Recommendation:

That the Board take whatever action they deem appropriate.

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: New Business

Discussion and/or approval of the District's Social Media Policy – **Tammy Gordon, Public Information Officer**

Background:

The District wishes to establish a social media policy to address the fast-changing landscape of the internet and to provide a manner in which residents and businesses may communicate and obtain information about the District online. Furthermore, the District desires to promote and endorse the secure use of social media technology to enhance communication, collaboration and information exchange; streamline processes; and foster productivity improvements.

Staff Recommendation:

Staff recommends that the Board of Trustees adopts Resolution 2020-01.

Attachments:

- Social Media Policy
- Resolution 2020-01

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT
SOCIAL MEDIA POLICY

I. POLICY STATEMENT

A. Purpose. The purpose of this Social Media Policy ("Policy") is to address the fast-changing landscape of the internet and to provide a manner in which residents and businesses may communicate and obtain information about the Coachella Valley Mosquito and Vector Control District ("District") online. The District endorses the secure use of social media technology to enhance communication, collaboration and information exchange; streamline processes; and foster productivity improvements. However, their application must not compromise data confidentiality and integrity. The same standards of conduct, principles and guidelines that apply to District employees in the performance of their assigned duties apply to employee social media technology use. This Policy establishes District-wide social media use policies, protocols and procedures intended to mitigate associated risks from use of this technology where possible.

B. General.

1. The U.S. Government defines "social media" as the various activities that integrate technology, social interaction, and content creation. Through social media, individuals or groups can create, organize, edit or comment on, combine, and share content. Social media uses many technologies and forms, including social-networking, blogs, wikis, photo–sharing, video–sharing, podcast, social bookmarking, mash-ups, widgets, virtual worlds, microblogs, and more. Not all forms of social media may be appropriate for use by District Departments.

2. All official social media accounts for the District shall be approved by the General Manager or designee before the account may be created. It shall be in the sole and absolute discretion of the General Manager which social media sites may be maintained or discontinued. Refer to section II.B. for establishment of social media sites.

3. District social media sites shall be managed consistent with the Brown Act (California Government Code Section 54950 et seq.). District Trustees should take caution in responding to any published postings, or using the District social media sites or any other form of electronic communication to respond to, blog or otherwise discuss, deliberate, or express opinions on any issue within the subject matter jurisdiction of the Board of Trustees because such responses may create a meeting in violation of the Brown Act.

4. The District's website (www.cvmosquito.org) shall remain the District's primary and predominant internet presence. Wherever possible, content posted to the District's social media sites will also be made available on the District's website. Wherever possible, content posted to the District's social media sites must contain

hyperlinks directing users back to the District's official website for further information, forms, documents or online services necessary to conduct business with the District.

5. The Public Information Manager or designee shall be responsible for overseeing the District's social media activity, Policy compliance, and security protection. The Public Information Manager or designee shall be responsible for designating appropriate levels of use.

6. All content, postings and material on District's social media sites shall be reviewed, approved, and administered by the District's Public Information Manager or designee.

7. Only official spokespersons of the District, including but not limited to the General Manager, the Public Information Manager, and their designees shall be considered authorized users and have permission to post and respond to social media on behalf of the District.

II. GUIDELINES

Social Media Site Standards. The Public Information Manager or designee shall establish standards of use for each type of social media site proposed for use by District Departments.

A. Establishment of District Social Media Sites. Only the General Manager, the Public Information Manager, and/or their designees may establish a District social media site. Persons seeking to establish a District social media site shall submit to the General Manager a written proposal, which shall include the following information:

1. The mission, vision and objectives of the proposed site;

2. The Department employee(s) designated to monitor and provide the Public Information Manager and/or designees regularly with information for the maintenance of the site ("Site Administrator");

3. Design, content and features of the proposed site;

4. Whether users may post comments or messages on or through the site, and, if so, the schedule and plan for reviewing and following up on such comments; and

5. The proposed approach for removal of inappropriate comments pursuant to this Policy and free speech concerns.

B. User Guidelines. Authorized users shall comply with all applicable federal, state, and District laws, regulations and policies. This includes adherence to laws and policies regarding copyright, records retention, Freedom of Information Act (FOIA), California Public Records Act, the Brown Act, First Amendment, Americans with Disabilities Act

(ADA), Health Insurance Portability and Accountability Act (HIPAA), Hatch Act of 1939, privacy laws, employment related laws, and the District rules and regulations as may be amended from time to time.

The following statement shall be posted on the District's social media site's primary page or by a hyperlink directing a user to the same wherever possible:

> **"The intended purpose of this page is to serve as a mechanism for communication between the Coachella Valley Mosquito and Vector Control District ("District") and members of the public. However, this page is not the primary method of communication with the District, and any notices or requests for District services must be made via official communication methods identified on the District's website, or by traditional methods of notification recognized by the District, and no comments or posts on this page will be construed as providing notice to the District of any claim, deficiency, dangerous condition, request, or otherwise.**
>
> **Any comments or other content posted or submitted to this page for posting, as well as personal identifying information for the page's users and visitors may be public records subject to disclosure pursuant to the California Public Records Act (Cal. Gov. Code § 6250 et seq.). Public disclosure requests must be directed to the District's Clerk."**

1. The content of District social media sites shall only pertain to District-related, District-sponsored, or District-endorsed programs, services, and events. Content includes, but is not limited to, information, photographs, videos, and hyperlinks.

2. The District shall have full permission or rights to any content posted by the District on District social media sites, including photographs and videos.

C. Comment Guidelines. The District disclaims any and all responsibility and liability for any materials that the District deems inappropriate for posting which cannot be removed in an expeditious or otherwise timely manner. The District reserves the right to restrict or remove any content that is deemed in violation of this Policy or any applicable law. Following forms of content posted by external and authorized users may be subject to removal if they include but are not limited to:

1. Profane language or content;

2. Content that promotes, fosters or perpetuates discrimination of protected classes;

3. Sexual harassment content;

4. Solicitations of commerce or advertisements including promotion or endorsement;

5. Promotion or endorsement of political issues, groups or individuals;

6. Conduct or encouragement of illegal activity;

7. Information that may tend to compromise the safety or security of the public or public systems;

8. Content intended to defame any person, group or organization;

9. Content that violates a legal ownership interest of any other party, such as trademark or copyright infringement;

10. Making or publishing of false, vicious or malicious statements concerning any employee, the District or its operations;

11. Violent or threatening content;

12. Disclosure of confidential, sensitive or proprietary information.

The District reserves the right to restrict or remove any content that is deemed in violation of this Policy or any applicable law. Any content removed based on these guidelines will be retained by the Public Information Manager or designee as specified in the District's Record Retention Schedule, including the time, date and identity of the poster, when available.

III. PROCEDURES

A. Maintenance of Social Media Sites. All District social media sites shall make clear that they are maintained by the District and that they follow the District's Policy.

1. All District social media sites shall be administered or overseen by a Site Administrator. Upon creation of the site, the login information and passwords necessary to administer the social media site, and any updated login or password information shall, be provided to the IT Manager and Public Information Manager.

2. The Site Administrator shall make a good faith effort to provide the Public Information Manager or designees with information to respond within ten (10) working days to all comments or posts in which a user asks a question or requests feedback. The person responding on behalf of the District should include his/her name and title. No other personal information about any District employee or representative may be posted.

3. Upon separation from District employment, the Site Administrator shall provide to the General Manager all login information and passwords necessary to administer the social media site, and shall relinquish and transfer all administrator rights to the General Manager who will appoint a new Site Administrator who shall immediately change the password necessary to administer the social media site

4. As is the case for the District's website, the Public Information Manager, IT Manager, or designee will be responsible for the content and upkeep (including maintenance, monitoring, and content retention) of any social media site.

5. The Public Information Manager or designee will monitor content on all District social media sites to ensure adherence to the Policy, consistency with the interest and goals of the District, and District-wide consistency in messaging and information across platforms and Site Administrators.

6. Site Administrators and all District employees with posting/commenting authority shall always conduct themselves as a representative of the District and in accordance with all District policies. A failure to conduct oneself accordingly may result in disciplinary action.

Resolution No. 2020-01

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT ADOPTING A SOCIAL MEDIA POLICY

WHEREAS, the Coachella Valley Mosquito and Vector Control District (the "District") is a political subdivision of the State of California, created and operating under the authority and provisions of California Health and Safety Code Section 2000 et seq.; and

WHEREAS, the District wishes to establish a policy to address the fast-changing landscape of the internet and to provide a manner in which residents and businesses may communicate and obtain information about the District online; and

WHEREAS, the District endorses the secure use of social media technology to enhance communication, collaboration and information exchange; streamline processes; and foster productivity improvements; and

WHEREAS, attached hereto as Exhibit "A" and incorporated herein by this reference is a District-wide Social Media Policy intended to mitigate associated risks from use of this technology where possible.

WHEREAS, the District desires to institute the attached Social Media Policy.

NOW, THEREFORE, THE BOARD OF TRUSTEES OF THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Recitals.

The recitals set forth above are true and correct.

Section 2. Adoption of the Social Media Policy.

The Board of Trustees hereby adopts the Social Media Policy attached hereto as Exhibit "A" and incorporated herein by this reference, as the District's Social Media Policy which shall become effective upon approval by the Board of Trustees.

Section 3. Delegation of Authority.

The District's General Manager is hereby delegated all authority necessary to implement the Social Media Policy.

Section 4. Public Inspection and Copying.

A copy of the Social Media Policy shall be maintained at the District offices and shall be made available for public inspection and copying during regular business hours.

Section 5. Severability.

The Board of Trustees declares that, should any provision, section, paragraph, sentence or word of Social Media Policy be rendered or declared invalid by any final court action in a court of competent jurisdiction or by reason of any preemptive legislation, the remaining provisions, sections, paragraphs, sentences or words of the Social Media Policy as hereby adopted shall remain in full force and effect.

Section 6. Repeal of Conflicting Provisions.

All the provisions of any resolution or policy heretofore adopted by the District that are in conflict with the provisions of this Resolution are hereby repealed.

Section 7. Effective Date.

This Resolution shall take effect upon its adoption.

Section 8. Certification.

The Clerk of the Board shall certify as to the adoption of this Resolution and shall cause the same to be processed in the manner required by law.

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SIGNATURE PAGE TO
Resolution No. 2020-01

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT ADOPTING A SOCIAL MEDIA POLICY

PASSED, ADOPTED AND APPROVED, this __ day of ___, 2020.

_____
Doug Hassett, President
Board of Trustees

ATTEST:

_____
Graciela Morales, Clerk of the Board

APPROVED AS TO FORM:

_____
Lena D. Wade, General Counsel

REVIEWED:

_____
Jeremy Wittie, M.S., General Manager

EXHIBIT "A"

SEE ATTACHED
COACHELLA VALLEY MOSQUITO AND
VECTOR CONTROL DISTRICT
SOCIAL MEDIA POLICY

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: New Business

Discussion and approval for the creation of ad hoc Facilities Renovation Committee – **David I'Anson, Administrative Finance Manager**

Background:

The current fiscal year budget has set aside funds from the District Facility Capital Replacement Fund to renovate the Administration Building. The scope of the renovation project includes internal remodeling of Administration office converting existing office and storage space to open plan office, remodel of Board room to modern public meeting room, remodel of public restrooms and painting of stucco. The scope of work also includes civil drawings for front parking and walkway to be ADA compliant.

The first part of the project is to issue RFP for architectural design services.

Staff requests that the District create an ad hoc committee comprising Board members and staff that will help guide and review the scope and give input on Board Room renovation.

Staff Recommendation:

That the Board take whatever action they deem appropriate.

	Coachella Valley Mosquito and Vector Control District **Staff Report**	**January 14, 2020**

Agenda Item: New Business

Nomination and election of Board Officers for the 2020 Calendar Year – **ad hoc Nominating Committee**

Background:

The Nominating Committee (Trustees Doug Hassett, Doug Walker, Franz De Klotz and Isaiah Hagerman) was appointed at the November 12, 2019, Board Meeting by the Board President in accordance with the District's Bylaws for the purpose of recommending a slate of Board officers for the 2020 calendar year. Pursuant to Health and Safety Code section 2027(a), the Board is required to elect its officers at the first meeting in January each year or every other year. The Board's Bylaws currently provide officer terms of one year, and each officer shall serve not more than four (4) consecutive full terms in the office to which elected. In order to be eligible to hold office, the Trustee must have served as a Trustee for one calendar year.

The four officer positions are tasked with the following duties pursuant to the Bylaws:

President – When necessary, the President shall be the official representative of the District. He/she shall have the power to appoint committees and such other powers, as may be delegated by the Board, from time to time. The President is encouraged to appoint ad hoc committees whenever appropriate. The President shall be responsible for opening meetings promptly and for administering the business of the day, expediently and with appropriate order and decorum. The President shall sign all acts, orders, resolutions and proceedings of the Board.

Vice-President – In the absence of the President, the Vice President shall assume duties of the President.

Secretary – The Secretary shall assist the President as necessary. In the absence of the President and Vice-President, the Secretary shall assume the duties of the President. It shall be the duty of the Secretary to authenticate, by his/her signature when necessary, all the acts, orders, and proceedings of the Board.

Treasurer – The Treasurer shall assist the President as necessary. In the absence of the President, Vice-President and Secretary, the Treasurer shall assume the duties of the President. The Treasurer shall also be responsible for management of the District's financial affairs.

To facilitate the process of electing new officers, the Nominating Committee has developed a slate of candidates for the offices of the President; Vice-President; and Secretary/Treasurer to be considered by the Board of Trustees, as follows:

President:	Trustee Franz De Klotz
Vice-President:	Trustee Doug Hassett
Secretary:	Trustee Doug Walker
Treasurer:	Trustee Clive Weightman

(Attached is information regarding the background of each of the candidates).

Each Board Member will have the opportunity to nominate other candidates from the floor. This slate, if elected, would serve for the 2020 calendar year. Under the Brown Act, the votes must be taken in open session, since secret ballots are not permitted.

Staff Recommendation:
Staff recommends that the Board approve the nominated slate as presented.

To: Board of Trustees

Subject: Nominations for Officers of the CVMVCD Board of Trustees

The Nominating Committee reviewed the possible candidates for the officer positions for the Coachella Valley Mosquito and Vector Control Board for 2020. A survey was sent out to all qualifying Trustees to see who was interested in serving in an executive position.

As a result, we recommend the following slate of Trustees to fill the officer positions for 2020; the following Trustees have expressed their willingness to serve in these capacities.

President: Franz De Klotz

Trustee De Klotz, appointed by the County at Large, has served on the Board of Trustees since 2017. He has voiced his interest on serving in an executive capacity. Trustee De Klotz served as Vice President in 2019, as Secretary in 2018, and has also served on the following ad hoc committees: Research, Property, and Negotiations. This committee is nominating Trustee De Klotz for President.

Vice President: Doug Hassett

Trustee Hassett, appointed by the City of La Quinta, has served on the Board of Trustees since 2015. He served as President in 2019, Vice President in 2017, alternate member of the Finance and Research committees in 2019, member of the Negotiations committee in 2019, and has served as chair of the ad hoc Thermal Committee. Trustee Hassett has also represented the District as a member of the Mosquito and Vector Control Association of California's Trustee Council. This committee is nominating Trustee Hassett for Vice President.

Secretary: Doug Walker

Trustee Walker, representing the City of Palm Desert, has served on the Board of Trustees since 2007, and has previously held the office of President for three years and was Board Secretary in 2019 and in 2012. Trustee Walker, with his scientific background, has also represented the District as a member of the Mosquito and Vector Control Association of California's Trustee Council. This committee is nominating Trustee Walker for Secretary.

Treasurer: Clive Weightman

Trustee Weightman, appointed by the City of Indian Wells, has served on the Board since 2017. He has served on the Finance Committee since 2017 and has expressed interest in continuing in this role serving as Treasurer. The Nominating Committee believes the District's interests will best be served by Trustee Weightman continuing in the position of Treasurer.

Respectfully submitted by the Nominating Committee:

- Doug Hassett
- Doug Walker
- Franz De Klotz
- Isaiah Hagerman