Coachella Valley Mosquito
and
Vector Control District

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

Board of Trustees Meeting Via Zoom

Tuesday, July 14, 2020

6:00 p.m.

AGENDA

In the interest of maintaining appropriate social distancing and to comply with orders issued by Governor Newsom, the Board encourages the public to participate in this meeting via Zoom by calling 1-888-475-4499 (toll free), Meeting ID: 871 7226 8758 or click this link to join: https://us02web.zoom.us/j/87172268758. If you would like to comment on the agenda item or subject matter within the jurisdiction of the Board, please email your public comment to the Clerk of the Board by 3:00 p.m. on July 14, 2020 at gmorales@cvmvcd.org.

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

1. **Call to Order – Franz De Klotz, President**
2. **Invocation and a Moment of Silence to Honor Fernando Fregoso**
3. **Pledge of Allegiance**
4. **Roll Call**
5. **Motion to Excuse Absences**
6. **Confirmation of Agenda**
7. **Public Hearing for Benefit Assessment**

A. **Open Public Hearing – Franz De Klotz, President**

B. Resolution 2020-12 approving Engineer's Report, Confirming Diagram and Assessment, and Ordering the Levy of Assessments for Fiscal Year 2020-21 for the Coachella Valley Mosquito and Vector Control District Mosquito, Fire Ant and Disease Control Assessment – **David I'Anson, Administrative Finance Manager (Pg. 6)**

C. **Close Public Hearing** – **Franz De Klotz, President**

8. 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.

9. Board Reports

A. President's Report **– Franz De Klotz, President**
Executive Committee oral report and Minutes for June 26, 2020 meeting **(Pg. 14)**
B. Finance Committee – **Clive Weightman, Treasurer**
Finance Committee oral report and Minutes for June 9, 2020 meeting **(Pg. 16)**

10. Items of General Consent

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

A. Minutes for June 9, 2020 Board meeting **(Pg.27)**

B. Approval of expenditures for June 10, 2020 to July 10, 2020 and Financial Reports **(Pg. 38)**

C. Informational Items:

- Board Business Log **(Pg. 52)**
- Treasurer to Approve Release of Payment to Vendors for August– **David I'Anson, Administrative Finance Manager (Pg. 55)**
- Semi-annual research reports from the University of California, Riverside and USDA for 2020 – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 56)**
- IVM Program Presentations **(Pg. 70)**

    - Surveillance and Quality Control Department – **Jennifer A. Henke, M.S., Laboratory Manager**
    - Operations Department – **Roberta Dieckmann, Operations Manager**
    - Public Outreach Department – **Tammy Gordon, M.A., Public Information Officer**
    - General Manager's Reports and Information, Q&A – **Jeremy Wittie, M.S., General Manager**

11. Old Business

A. Discussion and/or approval of Resolution 2020-13, Adopting Employee Pay Schedule, in conformance with California Code of Regulations, Title 2, Sections 570.5 and 571 – **Crystal Moreno, M.S., Human Resources Specialist (Pg. 72)**

12. New Business

A. Discussion and/or approval to purchase pesticide control products in an amount not to exceed $772,431 from fund 7800.01.028, Chemical Control – Budgeted; *Funds available* **– Roberta Dieckmann, Operations Manager (Pg. 77)**

B. Approval of Resolution 2020-14 Adopting the District's Invasive Mosquito Management Program and Arbovirus Response Plan **– Jennifer A. Henke, M.S. Laboratory Manager (Pg. 79)**

C. Approval to purchase two Guardian foggers in an amount not to exceed $40,000 from fund 8415.13.300.000, Capital Replacement fund – Budgeted; *Funds available* – **Edward Prendez, Information Technology Manager (Pg. 94)**

13. Closed Session Public Comments

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

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

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

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

14. 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.

15. Adjournment

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

Certification of Posting

I certify that on July 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 July 10, 2020.

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Graciela Morales, Clerk of the Board

SECTION
7

PUBLIC HEARING

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

Agenda Item: Public Hearing

Resolution 2020-12 approving Engineer's Report, Confirming Diagram and Assessment, and Ordering the Levy of Assessments for fiscal year 2020-21 for the Coachella Valley Mosquito and Vector Control District Mosquito, Fire Ant and Disease Control Assessment – **David I'Anson, Administrative Finance Manager**

Background:
Resolution No. 2020-11, accepted by the Board of Trustees on June 09, 2020, approves the intention to levy assessments for fiscal year 2020-21, preliminarily approving engineer's report, and providing for notice of hearing for the CVMVCD Mosquito, Fire Ant and Disease Control Assessment.

Resolution No. 2020-12 approves the Engineer's Report and orders the levy of the assessment at the rate of $14.39.

In 2005, Coachella Valley property owners approved a yearly fee of $16.00 per residential unit for the Mosquito, Fire Ant, and Disease Control Assessment by 74.19%, the highest approval rating for a similar measure in the State of California that year. Included in the voter approval was an inflation escalator allowing for a 3% per year inflationary increase to the assessment. State law requires the District to renew the base assessment and any inflationary increase each year through a public hearing process.

The District's Board is now conducting a public hearing to consider the assessments for the 2020–2021 fiscal year to fund its programs and services. The District provides services and programs for disease and vector surveillance, disease prevention, control of vectors using integrated vector control management (IVM) methods and quality assessment. The mosquito abatement, vector control, and disease prevention projects and programs include, but are not limited to, source reduction, ground and aerial surveillance and control applications, disease monitoring, public education, quality control and applied research as well as maintenance of buildings, grounds and equipment and operating expenses. The District's services encompass approximately 2,400 square miles and are provided to properties accommodating over 400,000 permanent residents with a seasonal influx of over 100,000 people.

The majority of the District's funding is generated by a percentage of the 1% property tax

collected from Coachella Valley property owners. Any property owner who feels that the assessment levied on the subject property is in error, may file a written appeal with the General Manager of the Coachella Valley Mosquito and Vector Control District or his or her designee.

In each subsequent year for which an assessment will be levied, the Board must;

- Preliminarily approve at a public meeting a budget for the upcoming fiscal year's costs and services;

- Preliminarily approve at a public meeting an updated annual Engineer's Report, and;

- Provide an updated assessment roll listing all parcels and their proposed assessments for the upcoming fiscal year and;

- Call for the publication in a local newspaper of a legal notice of the intent to continue the assessments for the next fiscal year and set the date for the noticed public hearing. At the annual public hearing, members of the public can provide input to the Board prior to the Board's decision on continuing the services and assessments for the next fiscal year.

The yearly assessment is subject to an annual adjustment tied to the Consumer Price Index-U for the Los Angeles-Riverside-Orange County Area as of December of each succeeding year (the "CPI"), with a maximum annual adjustment not to exceed 3%. The yearly assessment rate per single family equivalent benefit unit for the Mosquito, Fire Ant and Disease Control Assessment may increase in future years by an amount equal to the annual change in the CPI, not to exceed 3% per year. In the event that the annual change in the CPI exceeds 3%, any percentage change in excess of 3% can be cumulatively reserved and can be added to the annual change in the CPI for years in which the CPI change is less than 3%.

The fiscal year 2020-2021 assessment budget includes:

- Outlays for West Nile Virus
- Surveillance and mosquito control
- RIFA control
- Capital equipment
- Supplies
- Disease testing programs
- Other vector programs

The annual CPI change for the Riverside-San Bernardino - Ontario Area from January 2019 to January 2020 is 3.03%, which is more than the 3% maximum allowed annual increase. The maximum authorized assessment rate for fiscal year 2020-21 is $23.44 per single family equivalent benefit unit. The proposed fiscal year 2020-21 assessment rate per single family equivalent benefit unit for the Mosquito, Fire Ant and Disease Control Assessment is $14.39 which is less than the maximum allowable rate.

Since property owners in the assessment ballot proceeding conducted in 2005 approved the initial assessment including the CPI adjustment schedule, the assessment may be levied annually and may be adjusted by up to the maximum annual CPI adjustment without any additional assessment ballot proceeding.

OPTIONS TO CONSIDER:

1. To accept and adopt Resolution 2020-12, setting the annual benefit assessment amount to $14.39 per single family equivalent family unit, in order to properly finalize and adopt the assessment proceedings accordingly defined in Proposition 218.

Staff Recommendation:

- That the Board of Trustees take whatever action it deems necessary.

Fiscal Impact:

By ordering the levy of assessments the District will receive an amount approximated at $2.3 million for the fiscal year 2020-21 Budget.

Attachments:

- Resolution 2020-12
- Engineer's Report: https://www.cvmosquito.org/sites/g/files/vyhlif4551/f/uploads/engineers_report_fy2020-21.pdf

RESOLUTION NO. 2020-12

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

A RESOLUTION APPROVING ENGINEER'S REPORT, CONFIRMING DIAGRAM AND ASSESSMENT, AND ORDERING THE LEVY OF ASSESSMENTS FOR FISCAL YEAR 2020-21 FOR THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT MOSQUITO, FIRE ANT AND DISEASE CONTROL ASSESSMENT

WHEREAS, the Coachella Valley Mosquito and Vector Control District ("District") was established in 1928 as an independent special district by the Riverside County Board of Supervisors; and

WHEREAS, the mission of the District is to reduce the risk of disease transmission by mosquitoes and other vectors for the residents and visitors of the Coachella Valley; and

WHEREAS, the Coachella Valley Mosquito and Vector Control District is authorized, pursuant to the authority provided in Health and Safety Code Section 2082 and Article XIIID of the California Constitution, to levy assessments for mosquito, vector, and disease control services; and

WHEREAS, the District provides vector control services which include a system of public improvements and services intended to provide for the surveillance, prevention, abatement, and control of vectors as provided under Proposition 218 ("Services"); and such vector surveillance and control services provide tangible public health benefits, reduced nuisance benefits and other special benefits to the public and properties with the areas of service; and

WHEREAS, an assessment for mosquito, fire ant, vector and disease control projects and services has been given the distinctive designation of the "Mosquito, Fire Ant, and Disease Control Assessment" ("Assessment"), and is primarily described as encompassing the District jurisdictional boundaries, which covers nine incorporated cities along the I-10 Freeway (Cathedral City,

Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, and Rancho Mirage), and the unincorporated areas in the greater Coachella Valley from the San Bernardino County line to the north to the Imperial and San Diego County lines to the south; and

WHEREAS, the Assessment was authorized by an assessment ballot proceeding conducted in 2005 and approved by 74.19% of the weighted ballots returned by property owners, and such assessments were levied by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District by Resolution No. 2005-04 passed on July 26, 2005;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District that:

SECTION 1. Willdan Financial Services, the Engineer of Work, prepared an engineer's report (the "Report") in accordance with Article XIIID of the California Constitution and Section 2082, et seq., of the Health and Safety Code for the Assessment. The Report have been made, filed with the secretary of the board and duly considered by the Board and are hereby deemed sufficient and preliminarily approved. The Report shall stand as the Engineer's Report for all subsequent proceedings under and pursuant to the foregoing resolution.

SECTION 2. On June 9, 2020, this Board adopted Resolution No. 2020-11 to continue to levy and collect Assessments for fiscal year 2020-21, preliminarily approving the Engineer's Report, and providing for notice of hearing on July 14, 2020, at the hour of six o'clock (6:00) p.m. at the meeting chamber of the Coachella Valley Mosquito and Vector Control District headquarters located at 43-420 Trader Place, Indio, California, 92201.

SECTION 3. At the appointed time and place the hearing was duly and regularly held, and all persons interested and desiring to be heard were given an opportunity to be heard, and all matters and things pertaining to the levy of Assessment were fully heard and considered by this Board, and all oral statements and all written protests or communications were duly heard, considered and overruled, and this Board thereby acquired jurisdiction to order the levy of assessment prepared by and made a part of the Engineer's Report to pay the costs and expenses thereof.

SECTION 4. The above recitals are true and correct

SECTION 5. The public interest, convenience and necessity require that the levy be made.

SECTION 6. The Engineer's Report for the Assessment together with the proposed assessment roll for fiscal year 2020-21 is hereby confirmed and approved.

SECTION 7. That based on the oral and documentary evidence, including the Engineer's Report offered and received at the public hearing, the Board expressly finds and determines that: (a) each of the several lots and parcels of land subject to the Assessment will be specially benefited by the services to be financed by the assessment proceeds in at least the amount of the assessment apportioned against such lots and parcels of land, respectively; (b) that the Assessment is levied without regard to property valuation; and (c) that there is substantial evidence to support, and the weight of the evidence preponderates in favor of, said finding and determination as to special benefit to property from the mosquito, fire ant, vector and disease control services to be financed with assessment proceeds.

SECTION 8. That assessments for fiscal year 2020-21 shall be levied at the rate of FOURTEEN DOLLARS AND THIRTY-NINE CENTS ($14.39) per single-family equivalent benefit unit as specified in the Engineer's Report for fiscal year 2020-21 with estimated total annual assessment revenues as set forth in the Engineer's Report; and

SECTION 9. That the mosquito, fire ant, and disease control services to be financed with assessment proceeds described in the Engineer's Report are hereby ordered.

SECTION 10. No later than August 15th following such adoption, the Board shall file a certified copy of the diagram and assessment and a certified copy of this resolution with the Auditor of the County of Riverside ("County Auditor"). Upon such filing, the County Auditor shall enter on the County assessment roll opposite each lot or parcel of land the amount of assessment thereupon as shown in the assessment. The assessments shall be collected at the same time and in the same manner as County taxes are collected and all the laws providing for collection and enforcement shall

apply to the collection and enforcement of the assessments. After collection by the County, the net amount of the assessments, after deduction of any compensation due to the County for collection, shall be paid to the Mosquito, Fire Ant, and Disease Control Assessment.

SECTION 11. All revenues from Assessments shall be deposited in a separate fund established under the distinctive designation of the Coachella Valley Mosquito and Vector Control District, Mosquito, Fire Ant, and Disease Control Assessment.

SECTION 12. The Assessment, as it applies to any parcel, may be corrected, canceled or a refund granted as appropriate, by order of the Board of Trustees of the District. Any such corrections, cancellations, or refunds shall be limited to the current fiscal year.

The foregoing Resolution was PASSED and ADOPTED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District at a regular meeting thereof held on July 14, 2020, at the Coachella Valley Mosquito and Vector Control District headquarters located at 43-420 Trader Place, Indio, California, 92201.

AYES:

NOES:

ABSTAINED:

ABSENT:

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Franz De Klotz, President, Board of Trustees
Coachella Valley Mosquito & Vector Control District

ATTEST:

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Doug Hassett, Vice President, Board of Trustees
Coachella Valley Mosquito & Vector Control District

SECTION
9

BOARD REPORTS

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Executive Committee Meeting Via Zoom
Minutes

TIME: 11:00 a.m. Friday, June 26, 2020

LOCATION: 43420 Trader Place, Indio, CA 92201

TRUSTEES PRESENT:

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

ABSENT:
None

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

1. **Call to Order:** *President De Klotz called the meeting to order at 11:02 a.m.*

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

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

Ayes: President De Klotz, Trustees Hassett, Walker and Weightman.

Noes: None

Abstained: None

Absent: None

4. **Public Comments -** *Mr. Brad Anderson joined the meeting via Zoom. Prior to the meeting, Mr. Anderson submitted four public comment letters along with his request to make public comments. His public comments were forwarded to Committee members prior to the meeting and are attached for the record. Mr. Anderson also made verbal public comments. The Committee heard his comments during the meeting.*

5. **Review of July 14, 2020 Board Meeting Draft Agenda**

The draft July 14 Board meeting agenda was reviewed by the Committee. The Committee asked questions related to the biennial adoption of the Conflict of Interest Code and the Invasive Mosquito Management Program and Emergency Response Plan. Jeremy Wittie, General Manager, explained each of these agenda items in more detail.

6. Review and discuss the results of the Board meeting time survey
Graciela Morales, Clerk of the Board, reported there were six respondents to the survey conducted and five of those who responded did not want to change the current meeting time.

7. Update on District Operations
Jeremy Wittie, General Manager, gave an update in regards to District's closure, COVID positive cases, COVID Policies and Procedures, screening process, sanitization, remote work, modifications to work duties due to COVID, some trucks being driven home, staggering staff, space modifications, the most recent aerial application conducted, and the current virus activity.

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

9. Closed Session: Conference with Labor Negotiators pursuant to Government Code Section 54957.6
Agency Designated Representatives: Lena D. Wade, Anita Jones and David I' Anson.
Employee Organizations: California School Employees Association and Teamsters Local 911.

President De Klotz announced there was no business to discuss under closed session.

10. Trustee/Staff Comments: *Jeremy Wittie mentioned the elimination of the Trustee Council the Mosquito and Vector Control Association of California is implementing. A discussion ensued. It was recommended this topic be added to a future Executive meeting agenda for further discussion.*

11. Confirmation of Next Meeting Date: *The next Executive Committee meeting was scheduled for Friday, August 28 at 2:00 p.m.*

12. Adjournment: *The meeting was adjourned by President De Klotz at 11:48 a.m.*

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Finance Committee Meeting Via Zoom
Minutes

TIME: 4:30 p.m. **DATE:** June 9, 2020

LOCATION: 43420 Trader Place Indio, CA 92201 and Via Zoom

COMMITTEE MEMBERS PRESENT:

Indian Wells	Clive Weightman
Rancho Mirage	Isaiah Hagerman (joined the meeting at 4:38 p.m.)
County at Large	Bito Larson

OTHER TRUSTEES PRESENT:

County at Large	Franz De Klotz
Coachella	Philip Bautista
Cathedral City	Sergio Espericueta
La Quinta	Doug Hassett (joined the meeting at 4:50 p.m.)
Palm Springs	Dr. Doug Kunz (joined the meeting at 5:08 p.m.)

STAFF PRESENT:

Jeremy Wittie, M.S., General Manager
David I'Anson, Administrative Finance Manager
Edward Prendez, Information Technology Manager
Jennifer Henke, M.S., Laboratory Manager
Roberta Dieckmann, Operations Manager
Tammy Gordon, M.A., Public Information Officer
Graciela Morales, Executive Assistant/Clerk of the Board

MEMBERS OF THE PUBLIC PRESENT:

Mr. Brad Anderson

1. Call to Order: *Treasurer Weightman called the meeting to order at 4:35 p.m.*

2. Roll Call: *Roll call indicated three (3) committee members out of three (3) were present. President De Klotz, Trustees Bautista, Espericueta, Hassett, and Kunz joined the meeting as well.*

3. Confirmation of Agenda: *On motion from President De Klotz seconded by Trustee Larson, and passed by unanimous vote, the Committee approved the Agenda as presented.*

4. Public Comments: *None.*

5. Items of General Consent:

Approval of Minutes from May 12, 2020 Finance Committee Meeting.

On motion from Trustee Hagerman seconded by Trustee Larson, and passed by unanimous vote, the minutes were approved as presented.

6. Discussion and/or Review:

A. Review of Check Report from Abila MIP for the period of May 8, 2020 to June 4, 2020

The Check Report was reviewed by the Committee and staff. No questions or comments.

B. CalCard Charges – April 23-May 22, 2020

The Cal Card Report was reviewed by the Committee and staff. No questions or comments.

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

Treasurer Weightman stated he had reviewed the financials over the weekend and the District's is running a favorable bottom line which is a little over one million dollars. Mr. Weightman asked David I'Anson, Administrative Finance Manager to elaborate on this. Mr. I'Anson shared his latest estimate and reiterated three more payrolls are to be accounted for, prefunding OPEB, and five CalPERS pension payments. In conclusion, the latest expenditure estimate is to close around $150,000 within budget, or 2% under budget. In the administrative expenses line item, we are going to be about 12% under budget and that is because of the retrospective adjustment received from the VCJPA. Utilities will be about 14% over, the operating expenses are 4% under. Overall at 3% under. On the revenue side, there are two payments from the secured taxes pending, and the benefit assessment. We are looking to finish at about 11.2M in revenue, which is 2% over and the total expenses are at approximately 3% under.

7. Old Business:

A. Final review and discussion of FY2020-2021 Budget

Jeremy Wittie, General Manager, led the discussion and began with sharing the Budget Message and the District's Strategic Goal; financial management to extend budgeting and financial planning to ensure long-term stability, financial security and taxpayer value. Treasurer Weightman invited those in attendance to participate in the discussion. Vice President Hassett asked if it was the shorter amortization period that was increasing the cost of the unfunded liability. Staff responded it was a shorter period of five years instead of 20 years, which results in an increase to the annual contribution because of the shorter period, resulting in interest savings of about $800,000.

Treasurer Weightman indicated it was important to make it clear to constituents and the general public the need to increase the benefit assessment. Currently the Budget Summary shows a net change decrease of 6.5%, in the Operating Budget and Capital Improvement Projects. Perhaps, a footnote will do.

The Committee concurred on moving forward with recommending the approval of the draft FY2020-21 Budget as proposed.

8. New Business
None

9. Schedule Next Meeting: *The next Finance Committee meeting was scheduled via Zoom for Tuesday, July 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 5:20 p.m.*

From: B Anderson
To: Graciela Morales; Edward Prendez
Subject: PUBLIC COMMENTS (Verbal)
Date: Friday, June 26, 2020 8:08:15 AM

June 26, 2020

Dear CVMVCD Clerk of the Board,

Please allow for Public Verbal testimony on the subjects (topics/Items) that are listed below, for the June 26, 2020 Coachella Valley Mosquito and Vector Control District (CVMVCD) Executive Committee Meeting. I plan on calling into that meeting for the 11:AM start time.

Agenda Items to be addressed:

Item: 4-A (Item: 2 & 5x2 and 7)
Item: 4-B

Any questions and or changes that were made by the CVMVCD to hamper participation - Please let me know,

Brad Anderson | Rancho Mirage, CA. | 760.409.9434 (Cell)

From:	B Anderson
To:	Graciela Morales; Edward Prendez
Cc:	Nicole.Hayden@DesertSun.com
Subject:	PUBLIC COMMENT - Item: 4-A In regards to agenda Item: 7
Date:	Friday, June 26, 2020 9:15:48 AM

June 26, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)
43420 Trader Pl.
Indio, CA. 92201
(760) 342-8287 - www.cvmvcd.org
Attn: Clerk of the Board (Graciela Morales)

Re: Written letter to be entered in to the Public record for the Executive Committee Meeting held on June 26, 2020 - Agenda Item: 4-A In regards to Item: 7 (District Operations)

Dear CVMVCD Subcommittee member's,

As this committee is currently reviewing this agenda Item, of an "Update on the district operations" this reported update should be all new Information that was not been discussed among the other CVMVCD trustees. And being that this is the first Public meeting of any CVMVCD Board members since the unannounced abandonment of Abatement services from the CVMVCD back on the date of June 10, 2020. Each and every Trustee should be aware of their reasonably to be honest and perform their Public service in an ethical matter and disclosed any violations of your oath, as in potential brown act meeting violations.

Sincerely,

Brad Anderson | Rancho Mirage, CA. | 760.409.9434 (Cell)

From:	B Anderson
To:	Graciela Morales; Edward Prendez
Cc:	Nicole.Hayden@DesertSun.com
Subject:	PUBLIC COMMENT - Item: 4-A In regards to Item: 5
Date:	Friday, June 26, 2020 9:16:33 AM

June 26, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)
43420 Trader Pl.
Indio, CA. 92201
(760) 342-8287 - www.cvmvcd.org
Attn: Clerk of the Board (Graciela Morales)

Re: Written letter to be entered in to the Public record for the Executive Committee Meeting held on June 26, 2020 - Agenda Item: 4-A In regards to agenda Item: 5 (Draft Board meeting agenda July 2020, Item: 7, Increase tax amount)

Dear CVMVCD Committee Members,

Please consider the overall health and well-being of all the Coachella Valley citizens that have survived through the negative impacts of massive amounts of unemployment and financial crisis that have and continue to harm everyone that lives in the Coachella Valley of southern California

As you are well aware, the CVMVCD administration was able to choose a randomly selected dollar amount that was agreed, to be an amount that the Public may find acceptable by a small subcommittee of appointed non-elected people that are not accountable to the Residents that will be forced to pay this unjustified tax.

Your organization clearly understands that Increasing the CVMVCD "perceived" Benefit Assessment would go unreported by the local Media and most Residents would not be aware of any taxes being levied on their property from the CVMVCD. And of course, the most daring is the over burdensome of taxes on Valley property owners that will not directly benefit, and the CVMVCD grossly over Inflated Budget that really has No need to Increase any taxes (Benefit Assessment) on any properties. This action is shameful and dominates the CVMVCD administration work load and detracts from the true CVMVCD mission to persevere "life" and provide a safe workplace and community support that the CVMVCD has failed to do with their already grossly over Inflated Budget and massive amount of reserve funds (Est: over 14 Million dollars).

Postponed any Increase revenue tactics until new Management and oversite officials can be reached/positioned to Investigate the CVMVCD administration practices and Board

Involvement. In said practices.

Sincerely,

Brad Anderson | Rancho Mirage, CA. | 760.409.9434 (Cell)

From: B Anderson
To: Graciela Morales; Edward Prendez; Nicole.Hayden@DesertSun.com
Subject: PUBLIC COMMENT - Item: 4-A in regards to Item: 5
Date: Friday, June 26, 2020 9:15:18 AM

June 26, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)
43420 Trader Pl.
Indio, CA. 92201
(760) 342-8287 - www.cvmvcd.org
Attn: Clerk of the Board (Graciela Morales)

Re: Written comment to be entered in to the Public record for the Executive Committee Meeting held on the date of June 26, 2020 Friday at 11:AM - Agenda Item: 4-A In regards to Agenda Item: 5 (DRAFT of July 2020 board meeting agenda Item: 2, Mr. Fernando Fregoso)

Dear CVMVCD Committee Members,

The news of Mr. Fernando Fregoso untimely death was a shock to this community. And having the CVMVCD administration be silent and not publicly make that Information or any statement available in a timely manner to anyone. Is unconscionable and only Illustrates the political and self-serving aspects that the CVMVCD administration and its oversite board of Trustees sole priorities are direct towards.

This CVMVCD Executive Committee Meeting (6/26/20) is the only publicly known meeting that has been assemble sense the reported death of a veteran CVMVCD employee was known to the CVMVCD General Manager (Mr. Jeremy Wittie) back on the date of June 11, 2020. And what is known, the CVMVCD waited until June 17, 2020 to release Information to the Public in regards to Mr. Fernando Fregoso reported death from the Virus "Covid19" and that other CVMVCD staff were positive with the Covid19 Virus. The CVMVCD complete operations were abandoned, and No
abatement procedures would be performed.

It appears that due to the CVMVCD administrations actions and that the CVMVCD board of Trustees was not assemble (Public open meeting) to discuss the Coachella Valley Mosquito and Vector Control District abandonment of its duties here in the Coachella Valley and the death of a CVMVCD employee and other reported Covid19 Infections of people associated with the CVMVCD shows the complete Incompetence of the CVMVCD management. Further Information and Investigations into why the irreversible gravelly performed actions of the CVMVCD administration was allowed to alter So many lives are needed.
The lack of Administrative transparency at the Coachella Valley Mosquito and Vector Control

District, has allowed for the promotion and placement of unqualified and unsuitable people that have Impacted good descent people's life's forever.

Please remember the actions of corruption and deceit will only hurt the GOOD PEOPLE.

Sincerely,

Brad Anderson | Rancho Mirage, CA. | 760.409.9434 (Cell)

From:	B Anderson
To:	Graciela Morales; Edward Prendez
Cc:	Nicole.Hayden@DesertSun.com
Subject:	PUBLIC COMMENT - Item: 4-B
Date:	Friday, June 26, 2020 9:16:18 AM

June 26, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)
43420 Trader Pl.
Indio, CA. 92201
(760) 342-8287 - www.cvmvcd.org
Attn: Clerk of the Board (Graciela Morales)

Re: Written letter to be entered in to the Public record for the Executive Committee Meeting held on June 26, 2020 - Item: 4-B (Non-Agenda Public comment)

Dear CVMVCD Sub- Committee Members,

The CVMVCD administration appears to be supported by the CVMVCD Board of Trustees in the action of changing the CVMVCD meeting agendas to limit the Public's participation in CVMVCD active Public meetings. Please be aware that No CVMVCD Board of Trustees Meeting or known Subcommittee have given any directions to change the meeting agendas in the current fashion that has limited the Public's participation and all true Public Involvement in the people's business.

The actions of the CVMVCD administration which is headed by the current General Manager (Mr. Jeremy Wittie), without any known direction from the board of Trustees has change the formation of the CVMVCD meeting agendas and limited Public participation and has removed all complete Involvement and understanding of each agenda Item that is listed on the CVMVCD meeting agendas.

Correct this bold and unjust changes that were made to limit members of the Public from having all prior knowledge of any CVMVCD agenda Item and being able to have the same reports and staff comments on any given agenda Item. The actions that were taken are clearly wrong and should be corrected by the CVMVCD administration as soon as possible to potentially avoid this wrongful action of the CVMVCD administration from becoming Public knowledge on a national level.

Sincerely,

Brad Anderson | Rancho Mirage, CA. | 760.409.9434 (Cell)

SECTION
10

ITEMS OF GENERAL CONSENT

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Board of Trustees Meeting Via Zoom
Minutes

MEETING TIME: 6:00 p.m. June 9, 2020

LOCATION: 43420 Trader Place, Indio, CA 92201 and Via Zoom

TRUSTEES PRESENT:

PRESIDENT: Franz De Klotz	County at Large
VICE PRESIDENT: Doug Hassett	La Quinta
SECRETARY: Doug Walker	Palm Desert
TREASURER: Clive Weightman	Indian Wells
Sergio Espericueta	Cathedral City
Philip Bautista	Coachella
Bito Larson	County at Large
Dr. Doug Kunz	Palm Springs
Isaiah Hagerman	Rancho Mirage

TRUSTEES ABSENT:

Gary Gardner	Desert Hot Springs
Ben Guitron	Indio

STAFF AND COUNSEL PRESENT:
Jeremy Wittie, General Manager
Lena Wade, Legal Counsel, SBEMP
Crystal Moreno, Acting Human Resources Manager
David I'Anson, Administrative Finance Manager
Edward Prendez, Information Technology Manager
Fabian Salas, Intern
Jennifer Henke, Laboratory Manager
Juan Jose Mejia, Intern
Kim Hung, Vector Ecologist
Mike Martinez, Field Supervisor
Roberta (Bobbye) Dieckmann, Operations Manager
Tammy Gordon, Public Information Officer
Graciela Morales, Executive Assistant/Clerk of the Board

1. **Call to Order:** *President De Klotz called the meeting to order at 6:04 p.m.*

2. **Invocation and a Moment of Silence to Honor Mrs. Patricia "Corky" Larson**

3. **Pledge of Allegiance:** *President De Klotz led the Pledge of Allegiance.*

4. **Roll Call:** *Roll call indicated nine (9) Trustees out of eleven (11) were present.*

5. **Motion to Excuse Absences**

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

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

Noes: None.

Abstained: None.

Absent: Trustees Gardner and Guitron.

6. **Confirmation of Agenda**

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

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

Noes: None.

Abstained: None.

Absent: Trustees Gardner and Guitron.

7. **Public Comments:**

Four public comments received from Mr. Brad Anderson were received. His public comments are attached for the record.

8. **Board Reports**

A. President's Report:

President De Klotz stated the Executive Committee held its meeting as scheduled to review the Board agenda and the minutes were included in the Board packet. Mr. De Klotz commended Treasurer Weightman and the Committee for working together with staff to put together a fiscally-responsible budget.

B. Finance Committee Oral Report:

Treasurer Weightman reported the District has about three payrolls remaining in the fiscal year, and the prefunding of the healthcare. The latest estimate is ending the year at around a $500,000 positive variance. Mr. Weightman also reported the Finance Committee has decided to hold the $500,000 as a contingency for the economy we are facing in fiscal year 2021 and likely 2022.
The Committee also completed its final review of Fiscal Year 2020-21 Budget which is on tonight's Board agenda for approval by the entire Board.

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 May 12, 2020 Budget Workshop and May 12, 2020 Board meeting

B. Correspondence

C. Approval of expenditures for May 8, 2020 to June 4, 2020 and Financial Reports

D. Review and Approval of the District's Professional Development Calendar for FY 2020-2021 and Resolution 2020-07 – **Jeremy Wittie, M.S., General Manager**

E. Informational Items:

- Board Business Log
- Department Reports
- IVM Program Presentations & General Manager's Report:
    - Surveillance and Quality Control Department – **Jennifer A. Henke, M.S., Laboratory Manager**
    - Operations Department – **Roberta Dieckmann, Operations Manager**
    - Public Outreach Department – **Tammy Gordon, M.A., Public Information Officer**
    - General Manager's Report – **Jeremy Wittie, M.S., General Manager**

President De Klotz asked if any member of the Board would like to pull any specific item for discussion. Upon no request to further review any particular item, Mr. De Klotz asked if there was a motion to approve the items of General Consent.

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

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

Noes: None.

Abstained: None.

Absent: Trustees Gardner and Guitron.

10. Old Business

None

11. New Business

A. Review and Approval of Legislative Advocacy Policy and Resolution 2020-08 – **Jeremy Wittie, M.S., General Manager**

Jeremy Wittie, General Manager stated this is the District's first legislative policy and would enable transparency of the direction of both the Board and staff on legislative issues that impact the District. The District has been an active member of the Mosquito and Vector Control Association of California as well as California Special Districts Association and over the course of many years, the District has supported various legislative efforts that have benefited our programs as a special district and vector control agency. This Policy outlines what our legislative priorities are, such as public health, environmental regulations, revenue, finances and taxation among others.

On motion from Trustee Hagerman, seconded by Trustee Hassett, and passed by unanimous vote, the Board of Trustees approved item 11A.

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

Noes: None.

Abstained: None.

Absent: Trustees Gardner and Guitron.

B. Final consideration and ratification of Side Letter to Memorandum of Understanding (MOU) between Coachella Valley Mosquito and Vector Control District and Teamsters Local 911 related to a one-year extension of the MOU and 2% base salary increase for FY 2020-2021, and approval of Resolution 2020-09 – **Jeremy Wittie, M.S., General Manager and Lena D. Wade, General Counsel**

Jeremy Wittie, General Manager, briefly stated the one year extension to the Teamsters MOU is appropriate considering the pandemic state we are in. The terms of the agreement remain in effect and it allows for a 2% base salary increase. In January 2021, the union and the District negotiations team plan to resume negotiations for the following term.

On motion from Trustee Hassett, seconded by Trustee Espericueta, and passed by unanimous vote, the Board of Trustees approved item 11B.

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

Noes: None.

Abstained: None.

Absent: Trustees Gardner and Guitron.

C. Discussion and/or approval of Resolution 2020-10 Adopting FY 2020-21 Budget – **Jeremy Wittie, M.S., General Manager**

Jeremy Wittie, General Manager shared a summary of the proposed Fiscal Year 2020-21. The focus has been to ensure long term stability, financial stability, and tax payer value. The focus on the current fiscal year has been our long term liabilities. We were able to pay down the CalPERS unfunded liability which resulted in a reduction of the amortization period from 20 years to five years, which in turn saved the District close to $800,000 in interest. Another liability we focused on was the retiree healthcare prefunding and the Thermal remediation obligation. Our FY20-21 forecasted revenue derived from the benefit assessment is almost $2.3M, at a rate of $14.39/SFE. The expenses are forecasted to be about $12M, there is an increase in program services justifying the need for a Community Liaison and Lead Vector Control Technician. The CalPERS unfunded liability increased from $150K to $320K and results in a shorter amortization period. Our working capital is at $4.8M which covers operating expenses between revenue infusions.

David I'Anson, Administrative Finance Manager stated our revenue is forecasted to close the fiscal year at about 2% over budget while the total expenses are about 3% under what was budgeted.

On motion from Trustee Walker, seconded by Trustee Hassett, and passed by unanimous vote, the Board of Trustees approved item 11C.

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

Noes: None.

Abstained: None.

Absent: Trustees Gardner and Guitron.

Trustee Walker and President De Klotz thanked the Committee and Staff for their work in completing a fiscally responsible budget.

D. Discussion and/or approval of Resolution 2020-11 intention to levy assessments for fiscal year 2020-21, preliminary approval of engineer's report, and providing for notice of hearing for the CVMVCD mosquito, fire ant, and disease surveillance and vector control assessment – **David I'Anson, Administrative Finance Manager**

David I'Anson, Administrative Finance Manager, briefly stated the reason for this is to state the intention to levy assessments for fiscal year 2020-21, preliminary approval of engineer's report, and providing for notice of hearing for the CVMVCD on July 14, 2020. The mosquito, fire ant, and disease surveillance and vector control assessment was authorized by an assessment ballot conducted in 2005 by a majority vote of 74.19. The current maximum allowable rate is $23.44. At this meeting the Board of Trustees decides if they want to approve the engineer's report as is or approve it with changes. Last year the rate was $13.48/SFE and to balance the operating budget the benefit assessment rate would have to be set at $14.39/SFE.

On motion from Trustee Hagerman, seconded by Trustee Weightman, and passed by unanimous vote, the Board of Trustees approved item 11D.

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

Noes: None.

Abstained: None.

Absent: Trustees Gardner and Guitron.

12. Closed Session Public Comments:

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

There were no public comments related to Closed Session.

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 Organizations: California School Employees Association and Teamsters Local 911.

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

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

Trustee Hagerman stated he would like to see if there is interest in changing the Board meeting time, since they are now remotely. A survey is to be sent to the entire Board and results discussed at the Executive meeting in late June.
Jeremy Wittie congratulated Graciela Morales, Clerk of the Board, on her completion of her studies and attainment of an Associate degree from College of the Desert. Graciela was selected to be one of the student commencement speakers via a virtual graduation ceremony for the Class of 2020.

14. Adjournment – *President De Klotz adjourned at 6:53 p.m.*

_____ _____

Franz De Klotz
President

Doug Walker
Secretary

Tue 6/9/2020 12:01 PM

B Anderson <BAndersonranchomirage@hotmail.com>

PUBLIC COMMENT - Item: 7-B (Non-Agenda Public Comment)

To Graciela Morales; Edward Prendez

June 9, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)
43420 Trader Pl.
Indio, CA. 92201
(888) 343-9399 - www. Cvmvcd.org
Attn: Clerk of the Board (Graciela Morales)

Re: Written comments to be entered in to the Public record and made available to the Board of Trustees and members of the Public. Item: 7-B (Non-Agenda Public comment) for the June 9, 2020 CVMVCD Board of Trustees Meeting

Dear CVMVCD Board of Trustees,

Please be advised that the reporting from the CVMVCD administration of Information of the employment position of Operations Manager being filled with current CVMVCD employee (Bobbye Dieckmann) is very disappointing and appears to be a deceptive practice, due to the fact that the employment appointment was made back in March 2020. And as you are aware, several CVMVCD Public meeting have been held without the release of that critical Public Information.
And given the state of affairs of the detection of so many uncontrolled Mosquitoes that have been allowed to vector disease (SLEV and WNV) in many different areas in the Coachella Valley only Illustrates that the CVMVCD management is subpar at the very best. And the poor decision to again select CVMVCD personnel for employment positions that clearly shows favoritism and Illustrates how CVMVCD family and friends are rewarded above any external applicant is shameful and has the ability to negatively impact all governmental agencies.

Please strive to perform abatement procedures that will benefit this Valley and discontinue with employing CVMVCD administration personnel that are grossly unsuitable to hold positions that would require honesty and ethical Integrity plus most Importantly the knowledge that would be required to conduct abatement procedures without threatening the Health and safety of every citizen in the Coachella Valley.

Sincerely,

Brad Anderson | Rancho Mirage, CA. | 760.409.9434 (Cell)

Tue 6/9/2020 12:01 PM

B Anderson <BAndersonranchomirage@hotmail.com>

PUBLIC COMMENT - Item: 7-A in regards to agenda Item: 11-C

To Graciela Morales; Edward Prendez

June 9, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)
43420 Trader Pl.
Indio, CA. 92201
760.342.8287 - www.cvmvcd. org
Attn: Clerk of the Board (Graciela Morales)

Re: Written letter (email) to be entered in to the Public record and made available to the Board members and Public for review - Item: 7-A in regards to agenda Item: 11-C (Resolution No. 2020-10, proposed blotted FY2020-21 Budget)

Dear CVMVCD Board of Trustees,

Please revise the FY 2020-21 CVMVCD Budget to operate within the common sense approached to control spending as most every Household in the Coachella Valley is restricted to perform to survive.
As you are aware of the extravagant spending that the CVMVCD performs monthly and the Special Reserves and funds that are used to promote the false narrative of the need for Increased revenues ("Perceived" Benefit Assessment).
Stop wasting our Public Resources and focus on the mission of abatement service's against known Vectors of diseases and the right to enjoy the outdoors in the Coachella Valley without the threat to one's health and the knowledge of the CVMVCD living within it means.

Sincerely,

Brad Anderson | Rancho Mirage, CA. | 760.409.9434 (Cell)

Coachella Valley Mosquito and Vector Control District (CVMVCD)
43420 Trader Pl.
Indio, CA. 92201
(888) 343-9399 - www.cvmvcd.org
Attn: Clerk of the Board (Graciela Morales)

Re: Written comments to be entered in to the Public record and submitted for Board and Public review for the June 9, 2020 schedule CVMVCD Board of Trustees Meeting - Item: 12 (Closed session Item: 12-A, Labor Negotiations)

Dear CVMVCD Board of Trustees,

After careful consideration of derogatory remarks that were reportedly stated by the CVMVCD legal representative (Lena Wade) on the date of May 12, 2020 with reported regards to a written letter (Public Comment) that was submitted for the May 1, 2020 CVMVCD Executive Committee Meeting addressing concerns of the CVMVCD negotiations "team" selected from CVMVCD administration personnel and legal counsel (Closed session topic with the encouragement for legal counsel review from CVMVCD Appointed Trustees that have attempted to limit the Public's participation in past CVMVCD meetings)

Please be advised that comments were selectively chosen from past performances and lack of Morales (action to act with Integrity) that the CVMVCD chosen labor Negotiators (Parties) have been proven to have engaged in and or have not been forthcoming about. Please discontinue with the attempt to Intermediate and or slander/smear the only person from the General Public that has witnessed and has the ability to allow the Public to become Informed of the abusive manner of how the CVMVCD administrators operate to waste Public resources and avoid providing proper services to preserve life and good health in the Coachella Valley (Poor performance).

Please discontinue the well-established CVMVCD administration status quo with its entrenched Supervisors/Managers (promoted from within the CVMVCD) that will only preserve their ability to self-enrich themselves at the Costs of every Resident of the Coachella Valley.

Refuse unethical CVMVCD administrator's and a legal firm that lacks Public service experience from representing the Good people of the Coachella Valley in an unethical matter that will potentially have the ability to decrease the since of security of Residents from disease carrying Vectors, and of course the truthfulness of actions that affects Public's resources due to poor management.

Sincerely,

Brad Anderson | Rancho Mirage, CA. | 760.409.9434 (Cell)

Tue 6/9/2020 12:01 PM

B Anderson <BAndersonranchomirage@hotmail.com>

PUBLIC COMMENTS - Item: 7-A in regards to Agenda Item: 11-D

To Graciela Morales; Edward Prendez

June 9, 2020

Coachella Valley Mosquito and Vector Control District (CVMVCD)
43420 Trader Pl.
Indio, CA. 92201
(760) 342-8287 - www.cvmvcd.org
Attn: Clerk of the Board (Graciela Morales)

Re: Written letter (email) to be entered in to the Public record and allowed to be seen by members of the Public and appointed Trustees to the CVMVCD - Item: 7-A in regards to agenda Item:11-D (Proposed Resolution No.2020-11 - Tax Increase)

Dear CVMVCD Board of Trustees,

> The CVMVCD has once again chosen to benefit their narrative (Empire Building tactics) at the costs of most every property owner in the Coachella Valley. Given the very critical upheaval that has been orchestrated by organizations (similar to the CVMVCD) that has disabled the America's economy and has Increased the risks of financial crisis among most every Resident in the Coachella Valley.

Do-Not Increase the burden on hard working Americans by Imposing a Tax ("perceived" Benefit Assessment) that is not needed and only would support the extravagant and wasteful spending that is common place at the CVMVCD.

Sincerely,

Brad Anderson | Rancho Mirage, CA. | 760.409.9434 (Cell)

Coachella Valley Mosquito and Vector Control District

Checks Issued for the Period of:

June 10 - July 10, 2020

Check No	Payable To	Description	Check Amount	Total Amount
	Payroll Disbursement	June 12, 2020	231,211.98	
	Payroll Disbursement	June 26, 2020	177,468.72	
	Payroll Disbursement	July 10, 2020	183,107.64	
				591,788.34
Pre-Approved Expenditures Utilities/Benefits:				
43027	Principal Life Insurance Co.	Dental/Life Insurance 7/2020	10,004.11	
43028	Standard Insurance Company	LTD Premium 7/2020	2,996.25	
43029	Vision Service Plan (CA)	Vision Care Plan 6/2020	857.56	
43066	Vector Control Joint Powers Agency	Property & Liability Insurance/ Workers Comp. Ins.	399,676.86	
43067	Verizon Connect	Telematics April 2020	1,079.20	
43069	CalPERS - Retirement Acct	Annual Lump Sum Prepayment of Unfunded Accrued Liability	314,253.00	
				728,866.98
Pre-Approved Expenditures less than $10,000.00:				
43026	Void	Void	0.00	
43032	Advance Imaging Systems	Contract Services	270.82	
43033	Airgas Safety Inc.	Dry Ice	742.27	
43035	Alpha Media LLC	Advertising	4,480.00	
43036	Cintas Corporation #3	Uniform Expense	797.49	
43037	CleanExcel	Janitorial Services	4,539.00	
43038	C&R Wellness Works	Employee Support	287.52	
43039	Daniel's Tire Service	Vehicle Parts & Supplies	331.73	
43040	Desert Air Conditioning	Repair & Maintenance	98.00	
43041	Desert Electric Supply	Repair & Maintenance	140.08	
43042	Desert Sun Publishing Co	Advertising	1,827.52	
43043	Eisenhower Occupational Health Serv	Physician Fees	55.00	
43044	Elm's Equipment Rental	Equipment Rental	334.59	
43045	Employee Relations Inc.	Recruitment & Adverstising	73.72	
43046	Entravision Communications Corporation	Advertising	828.80	
43047	Equipment Direct, Inc.	Safety Supplies	1,785.39	
43048	Fedak & Brown, LLP	Professional Fees	5,947.00	
43049	Godfather Films	Advertising	8,000.00	
43050	Gulf California Broadcast Company	Advertising	2,000.00	
43052	High Tech Irrigation, Inc.	Repair & Maintenance	158.87	
43053	Inland Power Equipment Co.	Equipment Parts & Supplies	1,304.98	
43054	Jernigan's Sporting Goods, Inc.	Safety Expense	110.00	
43055	Kwik Kleen Of The Desert	Vehicle Maintenance & Repair	219.00	
43056	NAPA Auto & Truck Parts	Safety Expense	695.57	
43057	Nextdoor, Inc.	Adverstising	543.78	
43058	Pitney Bowes Purchase Power	Contract Services	500.00	
43059	Praxair Distribution, Inc.	Cylinder Rentals	50.51	
43060	Refrigeration Supplies Distributor	Repair & Maintenance	204.84	
43061	Riverside, County	LAFCO	2,164.31	
43062	RM Broadcasting LLC	Advertising	1,500.00	
43063	Slovak Baron Empey Murphey & Pinkney LLP	Attorney Fees	5,430.00	
43064	SoCo Group Inc., The	Motor, Fuel & Oil	5,068.46	
43065	TCI Thermal Combustion Innovators, Inc.	Operating Supplies	174.21	
43068	Void	Void	0.00	
Cash - California Bank & Trust Checking				**50,663.46**
Cash - California Bank & Trust Checking				
43030	U.S. Bank	Calcard 6/22	80,181.44	
43031	Adapco, Inc.	Chemical Control	25,812.90	
43051	Hunter Consulting Inc. dba HCI Environmental & Engineering	Contingency Expense	11,050.00	
Cash - California Bank & Trust Check Run Total to be Approved				**117,044.34**
Total Expenditures: June 10, 2020 - July 10, 2020				**1,488,363.12**

Franz De Klotz, President

Clive Weightman, Treasurer

Coachella Valley Mosquito and Vector Control District
FINANCES AT A GLANCE
ALL FUNDS COMBINED
For the Month Ended June 30, 2020

	Beginning of the Month	Change During the Month	End of the Month
INVESTMENTS	10,820,441	2,481,426	13,301,867
CASH	485,575	(390,433)	95,142
INVESTMENTS & CASH	11,306,016	2,090,993	13,397,009
CURRENT ASSETS	4,316,505	(3,182,663)	1,133,842
FIXED ASSETS	10,624,757	-	10,624,757
OTHER ASSETS	4,969,170	-	4,969,170
TOTAL ASSETS	31,216,448	(1,091,669)	30,124,779
TOTAL LIABILITIES	5,349,735	4,531	5,354,266
TOTAL DISTRICT EQUITY	25,866,713	(1,096,200)	24,770,513
TOTAL LIABILITIES & EQUITY	31,216,448	(1,091,669)	30,124,779

RECEIPTS		$ 3,172,918
CASH DISBURSEMENTS		
Payroll	$ 420,580	
General Admin	$ 661,677	
Total Cash Disbursements		$ (1,082,257)
NON-CASH ENTRIES: Accrual Modifications - Changes in A/P, A/R & Pre-paid insurance		$ (3,182,331)
Change during Month - Excess of Cash over Receipts & Non-Cash Adjustments		$ (1,091,669)

CVMVCD

Cash Journal - deposits

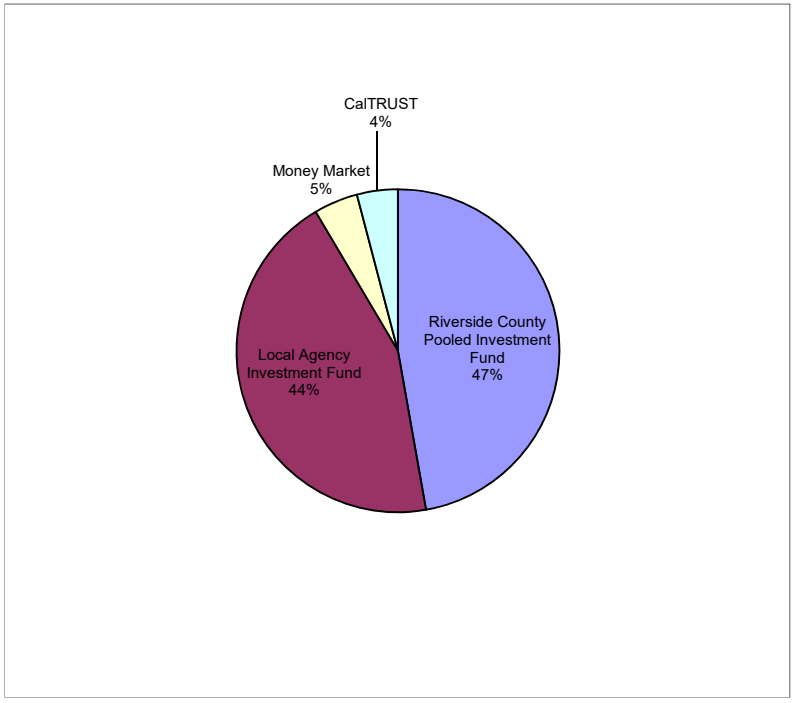
From 6/1/2020 Through 6/30/2020

Effective ...	Transaction Description	Deposits	Payee/Recipient Name
6/1/2020	Pass Thru	2,274,404.46	Riverside County
6/3/2020	Benefit Assessment	877,636.87	Riverside County
6/4/2020	June Receipts - Property Tax HOX	5,749.14	Riverside County
6/22/2020	June Receipts - RDV	87.33	Riverside County
6/30/2020	June Receipts - Bank Interest	134.48	First Foundation Bank
6/30/2020	June Receipts - Calcard Rebate	3,523.84	US Bank
6/30/2020	June Receipts - County Interest Fund 51105	1,646.75	Riverside County
6/30/2020	June Receipts - County Interest Fund 51115	9,719.51	Riverside County
6/30/2020	June Receipts Bank Interest	15.58	California Bank & Trust
Report Total		3,172,917.96	

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT
INVESTMENT FUND BALANCES AS OF JUNE 30, 2020
PRELIMINARY 1

INSTITUTION	IDENTIFICATION	Issue Date	Maturity Date	YIELD	General Fund	Thermal Capital Fund	Capital Equipment Replacement Fund	Capital Facility Replacement Fund		BALANCE
	Investment Fund Balance				9,870,831	47,760	1,439,890	1,943,387	$	13,301,867
LAIF	Common Investments			1.22%	4,102,769	19,851	598,484	807,760	$	5,528,865
Riverside County	Funds 51105 & 51115			0.88%	4,374,213	21,164	638,080	861,203	$	5,894,661
CalTRUST	Medium Term Fund			1.00%	379,793	1,838	55,402	74,774	$	511,806
CA Bank & Trust	Market Rate			0.04%	606,139	2,933	88,419	119,338	$	816,828
First Foundation	Market Rate			0.25%	407,954	1,974	59,510	80,319	$	549,756
	Total Investments				9,870,868	47,760	1,439,895	1,943,394	**$**	**13,301,917**

PORTFOLIO COMPOSITION AS OF JUNE 30, 2020
WEIGHTED YIELD 0.95%



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

CVMVCD
Statement of Revenue and Expenditures
June 30, 2020
PRELIMINARY

	Annual Budget	YTD Budget	**YTD Actual**	YTD Budget Variance	Current Period Budget	**Current Period Actual**	Current Period Variance	Annual Budget Variance	Percent Annual Budget
Revenues									
4000 Property Tax - Current Secured	3,825,113	3,825,113	**3,747,313**	(77,800)	126,180	**0**	(126,180)	(77,800)	(2)%
4010 Property Tax - Curr. Supplmntl	45,034	45,034	**18,917**	(26,117)	11,149	**0**	(11,149)	(26,117)	(58)%
4020 Property Tax - Curr. Unsecured	170,237	170,237	**159,276**	(10,961)	8,706	**0**	(8,706)	(10,961)	(6)%
4030 Homeowners Tax Relief	42,209	42,209	**38,324**	(3,885)	6,328	**5,749**	(579)	(3,885)	(9)%
4070 Property Tax - Prior Supp.	27,704	27,704	**16,741**	(10,963)	27,704	**0**	(27,704)	(10,963)	(40)%
4080 Property Tax - Prior Unsecured	8,493	8,493	**0**	(8,493)	8,493	**0**	(8,493)	(8,493)	(100)%
4090 Redevelopment Pass-Thru	4,478,852	4,478,852	**4,558,416**	79,564	0	**87**	87	79,564	2 %
4520 Interest Income - LAIF/CDs	200,000	200,000	**155,822**	(44,178)	50,000	**11,526**	(38,474)	(44,178)	(22)%
4530 Other Miscellaneous Receipts	63,000	63,000	**49,324**	(13,676)	5,250	**3,524**	(1,726)	(13,676)	(22)%
4551 Benefit Assessment Income	2,147,755	2,147,755	**2,059,071**	(88,684)	82,761	**0**	(82,761)	(88,684)	(4)%
Total Revenues	11,008,397	11,008,397	**10,803,204**	(205,193)	326,571	**20,887**	(305,684)	(205,193)	(2)%
Expenditures									
Payroll Expenses									
5101 Payroll - FT	4,848,777	4,848,777	**4,565,808**	282,969	404,065	**400,574**	3,490	282,969	6 %
5102 Payroll Seasonal	205,140	205,140	**195,507**	9,633	17,095	**9,368**	7,727	9,633	5 %
5103 Temporary Services	6,900	6,900	**6,900**	0	575	**0**	575	0	0 %
5105 Payroll - Overtime Expense	18,700	18,700	**21,094**	(2,394)	1,558	**1,565**	(7)	(2,394)	(13)%
5110 FFCRA Wage Credit	0	0	**(4,578)**	4,578	0	**0**	0	4,578	0 %
5150 CalPERS State Retirement	1,221,020	1,221,020	**1,116,833**	104,188	38,607	**33,354**	5,253	104,188	9 %
5155 Social Security Expense	304,643	304,643	**299,329**	5,314	25,387	**25,841**	(454)	5,314	2 %
5165 Medicare Expense	71,247	71,247	**71,270**	(22)	5,937	**6,118**	(180)	(22)	(0)%
5166 FFCRA Medi Credit	0	0	**(66)**	66	0	**0**	0	66	0 %
5170 Cafeteria Plan	1,093,206	1,093,206	**1,065,185**	28,022	91,101	**87,094**	4,007	28,022	3 %
5172 Retiree Healthcare	352,420	352,420	**347,657**	4,763	29,368	**317,276**	(287,908)	4,763	1 %
5180 Deferred Compensation	105,231	105,231	**62,693**	42,539	8,769	**7,335**	1,434	42,539	40 %
5195 Unemployment Insurance	32,066	32,066	**35,050**	(2,983)	2,672	**616**	2,056	(2,983)	(9)%
Total Payroll Expenses	8,259,352	8,259,352	**7,782,681**	476,671	625,135	**889,142**	(264,007)	476,671	6 %

CVMVCD
Statement of Revenue and Expenditures
June 30, 2020
PRELIMINARY

	Annual Budget	YTD Budget	YTD Actual	YTD Budget Variance	Current Period Budget	Current Period Actual	Current Period Variance	Annual Budget Variance	Percent Annual Budget
Administrative Expenses									
5250 Tuition Reimbursement	15,000	15,000	**12,833**	2,167	1,250	**1,309**	(59)	2,167	14 %
5300 Employee Incentive	10,000	10,000	**6,209**	3,791	833	**0**	833	3,791	38 %
5301 Employee Support	3,500	3,500	**3,386**	114	292	**213**	79	114	3 %
5302 Wellness	600	600	**1,395**	(795)	50	**0**	50	(795)	(133)%
5305 Employee Assistance Program	3,500	3,500	**3,577**	(77)	292	**288**	4	(77)	(2)%
6000 Property & Liability Insurance	114,911	114,911	**121,958**	(7,047)	11,743	**11,856**	(114)	(7,047)	(6)%
6001 Workers' Compensation Insurance	180,303	180,303	**133,363**	46,940	18,775	**18,765**	10	46,940	26 %
6050 Dues & Memberships	28,500	28,500	**28,663**	(163)	418	**0**	418	(163)	(1)%
6060 Reproduction & Printing	26,750	26,750	**14,396**	12,354	2,229	**6,719**	(4,490)	12,354	46 %
6065 Recruitment/Advertising	7,000	7,000	**5,417**	1,583	583	**137**	447	1,583	23 %
6070 Office Supplies	19,200	19,200	**12,651**	6,549	1,600	**710**	890	6,549	34 %
6075 Postage	5,500	5,500	**1,722**	3,778	458	**156**	302	3,778	69 %
6080 Computer & Network Systems	5,000	5,000	**3,881**	1,119	417	**50**	367	1,119	22 %
6085 Bank Service Charges	120	120	**32**	88	10	**10**	0	88	73 %
6090 Local Agency Formation Comm.	1,200	1,200	**2,287**	(1,087)	0	**0**	0	(1,087)	(91)%
6095 Professional Fees	52,500	52,500	**59,700**	(7,200)	4,375	**7,619**	(3,244)	(7,200)	(14)%
6100 Attorney Fees	49,000	49,000	**72,735**	(23,735)	4,083	**9,430**	(5,347)	(23,735)	(48)%
6106 HR Risk Management	4,500	4,500	**4,725**	(225)	375	**0**	375	(225)	(5)%
6110 Conference Expense	53,500	53,500	**28,472**	25,028	3,533	**711**	2,822	25,028	47 %
6115 In-Lieu	13,200	13,200	**13,200**	0	1,100	**1,100**	0	0	0 %
6120 Trustee Support	4,800	4,800	**4,333**	467	400	**83**	317	467	10 %
6200 Meetings Expense	4,620	4,620	**1,895**	2,725	385	**139**	246	2,725	59 %
6210 Promotion & Education	26,500	26,500	**21,145**	5,355	2,208	**1,576**	633	5,355	20 %
6220 Public Outreach Advertising	45,000	45,000	**24,482**	20,518	3,750	**20,819**	(17,069)	20,518	46 %
6500 Benefit Assessment Expenses	96,000	96,000	**84,970**	11,030	0	**0**	0	11,030	11 %
Total Administrative Expenses	770,704	770,704	**667,430**	103,274	59,160	**81,689**	(22,529)	103,274	13 %
Utilities									
6400 Utilities	105,000	105,000	**99,153**	5,847	8,750	**7,014**	1,736	5,847	6 %
6410 Telecommunications	11,000	11,000	**30,808**	(19,808)	917	**2,537**	(1,620)	(19,808)	(180)%
Total Utilities	116,000	116,000	**129,961**	(13,961)	9,667	**9,550**	116	(13,961)	(12)%

CVMVCD
Statement of Revenue and Expenditures
June 30, 2020
PRELIMINARY

	Annual Budget	YTD Budget	YTD Actual	YTD Budget Variance	Current Period Budget	Current Period Actual	Current Period Variance	Annual Budget Variance	Percent Annual Budget
Operating									
7000 Uniform Expense	30,500	30,500	**41,056**	(10,556)	2,525	**3,672**	(1,147)	(10,556)	(35)%
7050 Safety Expense	25,000	25,000	**23,429**	1,571	2,083	**6,444**	(4,360)	1,571	6 %
7100 Physican Fees	5,000	5,000	**4,795**	205	417	**0**	417	205	4 %
7150 IT Communications	40,000	40,000	**40,902**	(902)	3,333	**4,637**	(1,304)	(902)	(2)%
7200 Household Supplies	4,000	4,000	**3,344**	656	333	**407**	(73)	656	16 %
7300 Repair & Maintenance	42,000	42,000	**40,492**	1,508	3,500	**3,344**	157	1,508	4 %
7310 Maintenance & Calibration	7,800	7,800	**5,462**	2,338	650	**0**	650	2,338	30 %
7350 Permits, Licenses & Fees	21,750	21,750	**3,605**	18,145	1,813	**0**	1,813	18,145	83 %
7400 Vehicle Parts & Supplies	39,600	39,600	**29,739**	9,861	3,300	**1,408**	1,892	9,861	25 %
7420 Offsite Vehicle Maint & Repair	17,000	17,000	**25,681**	(8,681)	1,417	**219**	1,198	(8,681)	(51)%
7450 Equipment Parts & Supplies	15,500	15,500	**11,732**	3,768	1,292	**702**	590	3,768	24 %
7500 Small Tools Furniture & Equip	1,700	1,700	**3,480**	(1,780)	142	**0**	142	(1,780)	(105)%
7550 Lab Supplies & Expense	36,500	36,500	**27,274**	9,226	3,042	**1,552**	1,490	9,226	25 %
7570 Aerial Pool Surveillance	25,000	25,000	**17,550**	7,450	2,083	**17,496**	(15,413)	7,450	30 %
7575 Surveillance	52,000	52,000	**63,528**	(11,528)	4,333	**5,041**	(708)	(11,528)	(22)%
7600 Staff Training	87,250	87,250	**34,284**	52,966	7,271	**279**	6,992	52,966	61 %
7650 Equipment Rental	1,000	1,000	**887**	113	83	**0**	83	113	11 %
7675 Contract Services	154,800	154,800	**142,550**	12,250	12,900	**25,271**	(12,371)	12,250	8 %
7700 Motor Fuel & Oils	80,200	80,200	**82,198**	(1,998)	6,683	**9,621**	(2,937)	(1,998)	(2)%
7750 Field Supplies	9,400	9,400	**8,607**	793	783	**1,044**	(261)	793	8 %
7800 Control Products	785,000	785,000	**831,877**	(46,877)	65,417	**27,458**	37,959	(46,877)	(6)%
7850 Aerial Applications	124,500	124,500	**190,304**	(65,804)	10,375	**0**	10,375	(65,804)	(53)%
8415 Capital Outlay	53,300	53,300	**43,556**	9,744	4,442	**1,305**	3,137	9,744	18 %
8510 Research Projects	150,000	150,000	**130,454**	19,546	0	**0**	0	19,546	13 %
9000 Contingency Expense	150,000	150,000	**45,448**	104,552	12,500	**11,050**	1,450	104,552	70 %
Total Operating	1,958,800	1,958,800	**1,852,235**	106,565	150,717	**120,948**	29,769	106,565	5 %
Contribution to Capital Reserves									
8900 Transfer to other funds	503,547	503,547	**503,547**	0	41,962	**41,962**	0	0	0 %
Total Contribution to Capital Reserves	503,547	503,547	**503,547**	0	41,962	**41,962**	0	0	0 %
Total Expenditures	11,608,403	11,608,403	**10,935,854**	672,548	886,640	**1,143,291**	(256,651)	672,548	6 %
Net revenue over/(under) expenditures	(600,006)	(600,006)	**(132,650)**	467,356	(560,069)	**(1,122,404)**			

UNAUDITED

CVMVCD

Balance Sheet

As of 6/30/2020

		Current Year
	Assets	
	Cash and Investments	
1000	Cash - Investments	13,301,866.84
1012	Cash - Clearing Account	300.00
1016	Petty Cash	500.00
1017	Petty Cash Checking	1,500.00
1025	First Foundation - General	83,723.01
1026	First Foundation - Payroll	9,119.03
	Total Cash and Investments	13,397,008.88
	Current Assets	
1050	Accounts Receivable	20,261.14
1085	Inventory	510,872.04
1168	Prepaid Insurance	15,085.03
1169	Deposits	587,624.00
	Total Current Assets	1,133,842.21
	Fixed Assets	
1170	Construction in Progress	7,050.00
1300	Equipment/Vehicles	2,124,325.38
1310	Computer Equipment	450,521.22
1311	GIS Computer Systems	301,597.91
1320	Office Furniture & Equipment	1,218,124.91
1330	Land	417,873.30
1335	Oleander Building	5,665,861.83
1336	Signage	23,651.39
1340	Structures & Improvements	3,026,125.52
1341	Bio Control Building	6,998,161.74
1342	Bio Control Equip/Furn	43,986.77
1399	Accumulated Depreciation	(9,652,522.60)
	Total Fixed Assets	10,624,757.37
	Other Assets	

CVMVCD
Balance Sheet
As of 6/30/2020

		Current Year
1520	Resources to Be Provided	3,514,102.32
1525	Deferred Outflows of Resources	1,142,648.00
1530	Deferred Outflows of Resources - OPEB	312,420.00
1900	Due to/from	0.12
	Total Other Assets	4,969,170.44
	Total Assets	30,124,778.90
	Liabilities	
	Short-term Liabilities	
	Accounts Payable	
2015	Credit Card Payable	59,792.05
2020	Accounts Payable	85,601.69
2030	Accrued Payroll	0.06
2040	Payroll Taxes Payable	65.37
2185	Employee Dues	(65.85)
	Total Accounts Payable	145,393.32
	Total Short-term Liabilities	145,393.32
	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	5,354,265.88
	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

CVMVCD

Balance Sheet

As of 6/30/2020

		Current Year
	Total Non Spendable Fund Balance	12,604,721.41
	Committed Fund Balance	
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	
		(359,896.44)
	Total Current YTD Net Income	(359,896.44)
	Total Fund Balance	24,770,513.02
	Total Liabilities and Net Assets	30,124,778.90

The financial reports show the balance sheet, receipts, and the revenue and expenditure reports for the month ending June 30, 2020. The revenue and expenditure report shows that the operating budget expenditure for July 1, 2019 to June 30, 2020 is $10,935,854; total revenue is $10,803,204 resulting in excess revenue over (under) expenditure for the year to June 30, 2020 of ($132,650).

THREE YEAR FINANCIALS

	Actual	Budget	Actual	Actual
	6/30/2020		6/30/2019	6/30/2018
Revenue	**10,803,204**	**11,008,397**	10,361,456	9,585,122
Expenses				
Payroll	7,782,681	8,259,352	7,222,551	6,789,190
Administrative Expense	667,430	770,704	680,759	606,937
Utility	129,961	116,000	107,729	95,085
Operating Expense	1,852,235	1,958,800	1,355,317	1,400,033
Contribution to Capital Reserves	503,547	503,547	482,614	
Total Expenses	**10,935,854**	**11,608,403**	9,848,970	8,891,245
Profit (Loss)	**(132,650)**	**(600,006)**	512,486	693,877

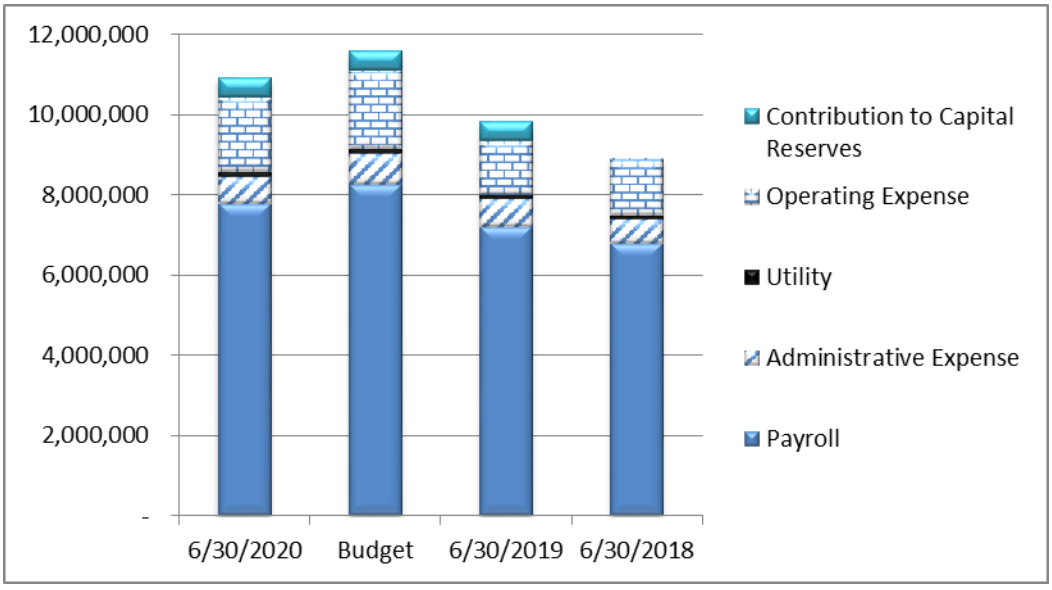


Figure 1 - Three Year Expenditure

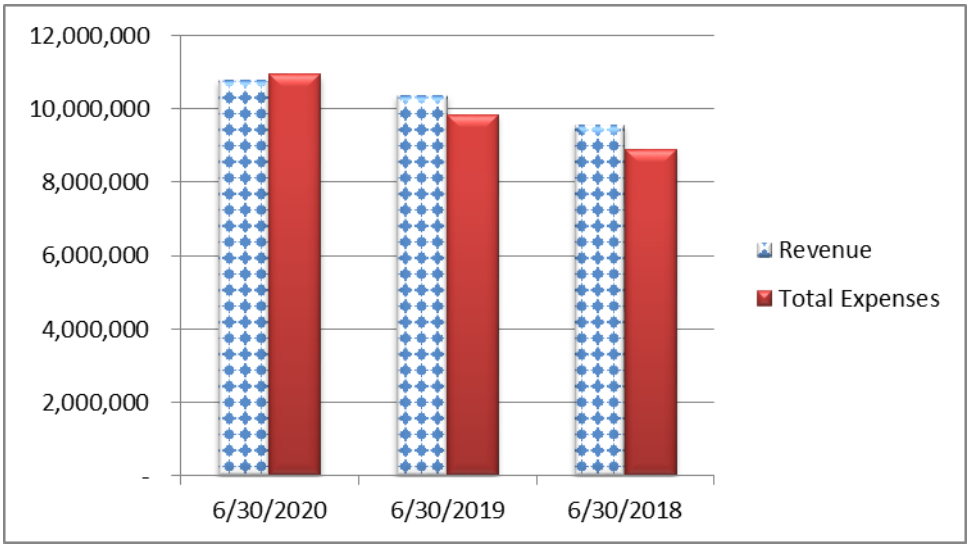


Figure 2 - Three Year Revenue & Expenditure

THREE YEAR CASH BALANCE

Cash Balances	6/30/2020	6/30/2019	6/30/2018
Investment Balance	13,301,867	13,218,140	12,911,042
Checking Account	84,023	4,885	11,413
Payroll Account	9,119	39,256	88,300
Petty Cash	2,000	2,000	2,000
Total Cash Balances	13,397,009	13,264,281	13,012,755

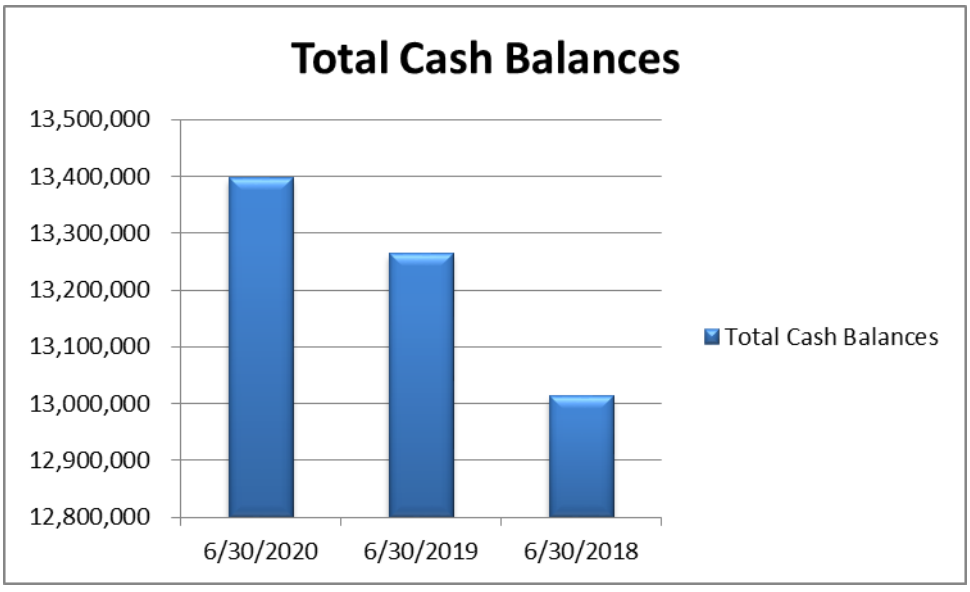


Figure 3 - Cash Balances

DISTRICT INVESTMENT PORTFOLIO 6/30/2020

The District's investment fund balance for the period ending June 30, 2020 is $13,301,917. The portfolio composition is shown in the pie chart. Local Agency Investment Fund (LAIF) accounts for 44% of the District's investments; the Riverside County Pooled Investment Fund is 47% of the total. The LAIF yield for the end of June was 1.22% and the Riverside County Pooled Investment Fund was 0.88%; this gives an overall weighted yield for District investments of 0.95%.

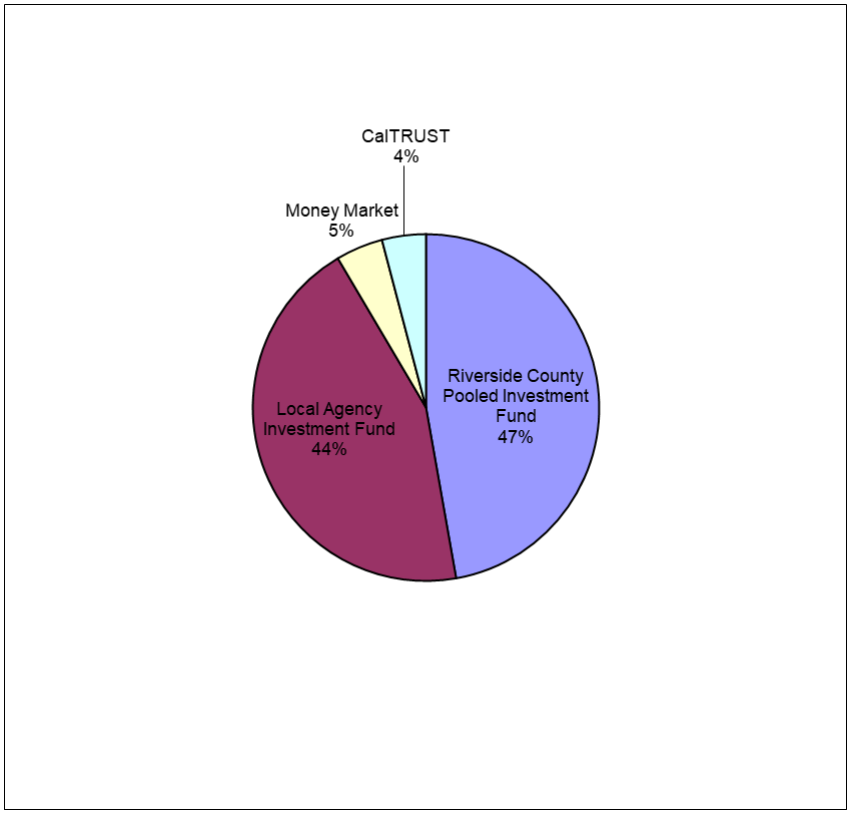


Figure 4 - Investment Portfolio 6-30-20

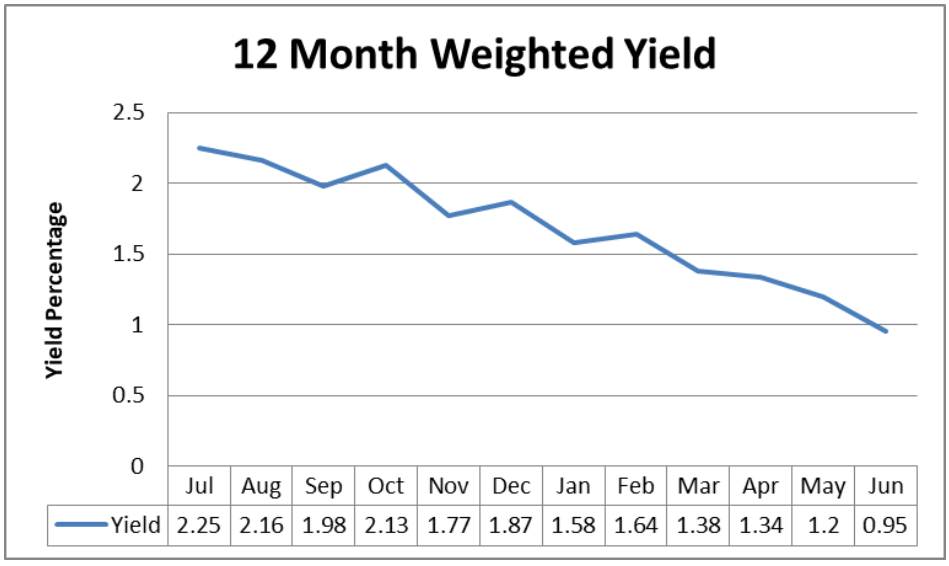
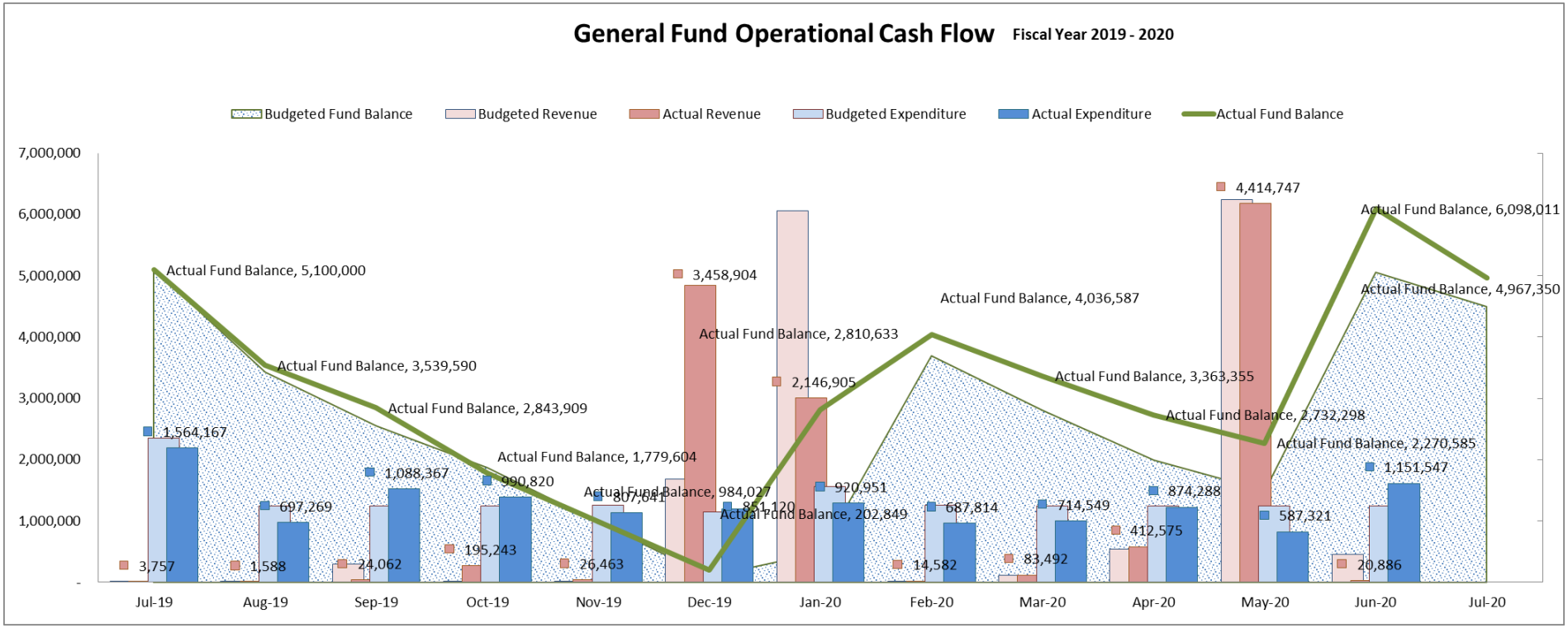


Figure 5 - District Investments Weighted Yield



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

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

The graph shows for June 1 the $5.1 million **Fund Balance** plus total Revenue for July 1 to June 30, 2020 of $10.8 million minus total Expenditure of $10.9 million is $4.97 million. For planning purposes the District is under budget, showing expenditure is $672,548 less than budgeted in July and August there are some expenses accrued back to June which will reduce the budget variance to closer $300,000. Revenue is less than budgeted by $205,193. Receipts from property taxes and benefit assessment that are due in July and August will be accrued back to June 30 which will overturn the negative variance to a $200,000 positive variance. As long as the green line stays out of the shaded area the District is within budget, as of June 30, 2020, the line is outside the shaded area.

Board Business Status Log 2020

Board Action Item / Description		Month	Status	Comment
Agreements				
	Cleaning Services Agreement with CleanExcel	January	Completed	
	Adulticiding and Larviciding Aerial Applications Agreement with Salton Sea Air Service	February	Completed	
	MOU between CVAG and City of Indio		In progress	Awaiting agreement with CVWD regarding the destruction of standpipes.
Resolutions And Proclamations				
	Resolution No. 2020-01 Adopting the District's Social Media Policy and Resolution	January	Completed	
	Proclamation Supporting Participation in the 2020 Census	January	Completed	
	Resolution No. 2020-02 Approving the District's Pay Schedule	February	Completed	
	Resolution No. 2020-03 Authorizing the Closure of Demand Deposit Accounts with First Foundation Bank	March	Completed	
	Resolution No. 2020-04 Authorizing the Opening of Demand Deposit Accounts	March	Completed	

	with California Bank & Trust Bank			
	Resolution No. 2020-05 Proclaiming and Ratifying the Existence of a Local Emergency	March	Completed	
	Resolution No. 2020-06 Adopting 2020 CVMVCD Mosquito-Borne Surveillance and Emergency Response Plan	May	Completed	
	Proclamation supporting the designation of the week of May 17-23, 2020 as California Special Districts Week	May	Completed	
	Resolution No. 2020-07 Authorizing Attendance of Professional Development Conferences by Trustees and Employees for FY 2020-2021	June	Completed	
	Resolution No. 2020-08 Approving the District's Legislative Advocacy Policy	June	Completed	
	Resolution No. 2020-09 Approving Ratification of Side Letter to Memorandum of Understanding (MOU) between Coachella Valley Mosquito and Vector	June	Completed	

	Control District and Teamsters Local 911 related to a one-year extension of the MOU and a 2% base salary increase for FY 2020-2021			
	Resolution No. 2020-10 Approving the District's FY 2020-21 Budget	June	Completed	
	Resolution No. 2020-11 Approving the District's Preliminary Engineer's Report	June	Completed	
Other				
	IT Security Awareness Training Program Kickoff	October (2019)	Ongoing	
	General Manager Employment Agreement	January	Completed	
	General Counsel Evaluation	February	Completed	
	Prerecorded Presentations: IVM Program and General Manager Updates	May	Ongoing	

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

Agenda Item: Informational Item

Board Treasurer to Approve the Release of Payment to Vendors for August – **David l'Anson, Administrative Finance Manager**

Report:

At the July 11, 2017 Board Meeting, the Trustees approved excluding August from the regular meeting schedule, indefinitely. Resolution 1997-17, approved October 14, 1997, authorizes the Treasurer to release payment to vendors when a quorum, for the monthly Board Meeting, is not present. Due to the cancellation of the Board Meeting, the release of payment to vendors will be approved by *Treasurer Clive Weightman.*

Payments to vendors that are approved by *Treasurer Clive Weightman* will be presented to the Board at the September 8, 2020 Board Meeting for final review.

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

Agenda Item: Informational Item

Semi-annual research reports from the University of California, Riverside and the USDA for 2020 – **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 for vectors, and understanding of vector biology. The proposals include using biological control organisms to target adult mosquitoes in storm water systems, examining control strategies for house flies, and examining impacts of irrigation on fire ant control methods. Each of the proposals was approved by the Research Committee and later approved by the full Board of Trustees at the November 2019 Meeting.

As described in District's Research Funding Policy and Procedure, researchers are to provide semiannual progress reports. Due to COVID-19, the researchers have made adjustments to their work and are considering extending the work into 2021. The reports are from the following proposals:

1. **UC Riverside (Dr. A. Gerry)**
    - Examine the use of attractive toxic sugar bait stations for house flies associated with melons and peppers
2. **UC Riverside (Dr. W. Walton)**
    - Examine the use of attractive toxic sugar bait stations with fungi and pyriproxifen as the toxic agents in storm drains
3. **USDA (Dr. D. Oi)**
    - Examine the impacts of irrigation on fire ant baits and monitor fire ant mating flight activity

Attachments:

- Gerry Report
- Walton Report
- Oi Report

Mid-year report for Coachella Valley MVCD Grant Funds

Study Title: Strategies for Using Toxic Sugar Baits to Control House Flies associated with Melon/Pepper Production

PI: Alec Gerry, UC Riverside

Goal: Develop method for control of house flies in agricultural fields using bait stations to eliminate risk of insecticidal exposure to food crops or to beneficial honeybees, while also reducing quantity of insecticide needed to achieve appropriate level of control.

Progress Report: Funding for this proposal was received at UCR on 2/1/2020. During February, we purchased supplies and worked on developing laboratory methods for testing attraction of food bait odors. We already maintained a wild type house fly colony which we increased in size in anticipation of performing house fly trials to test attraction of fermenting sugar sources to house flies.

Unfortunately, during the first week of March the UCR campus began to prepare to shut down both academic and research operations in response to the COVID-19 pandemic and we were instructed to end all non-essential research. To meet the campus closure requirements, this project was paused at that time and fly colonies were reduced to a maintenance population of our wild type and reference strain flies.

We had anticipated starting first year field trials in spring 2020 to confirm fly response to attractants that showed promise in the lab. These trials were not begun due to the campus closure.

We are currently waiting for the UCR campus to begin opening laboratories again so that we can continue with this project. Once work on this project can resume, we will increase our wild type laboratory colony again and return to testing house fly attraction to fermenting materials as per our original proposal. The field trials are dependent upon house fly activity in the Coachella Valley MVCD coverage area. Typically, house fly activity is highest in the Coachella Valley in early-mid spring, however we may be able to run field trials in late fall if locations are identified with enough house fly activity. This would allow us to complete the proposed Year 1 activities during the first funding year. However, if the continuing campus closure prevents resumption of this research project until fall or if abundant fly populations are not identified in Coachella during the fall, then the Year 1 activities will be pushed into Year 2 with field work conducted in spring of 2021.

At this point, it is unclear whether I will need to request an extension of Year 1 funding to spend these funds during Year 2, or if we will still be able to complete the proposed Year 1 activities during this first year. The pace of this progress hinges on when we will be allowed to return to performing laboratory activities at UCR. If we are required to push this research project beyond the Year 1 project period, we may also need to submit for extension of Year 2 activities since proposed Year 2 activities build upon what we learn from Year 1 research.

Progress Report, June 2020: Attractive Toxic Bait Station Control of Mosquitoes in Underground Storm Drain Systems of the Coachella Valley

William E. Walton, Ph.D. 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 Field Trial: ***Methods and Results***

The ATSB field trial in USDS originally planned for March-April (Figure 1) was not performed due to COVID-19; however CDC traps before COVID-19 restrictions (March 3-4) collected an average of 26 ± 13 *Culex quinquefasciatus* adults per trap and a single *Culex tarsalis* specimen. *C. quinquefasciatus* adults were more abundant at Coachella (52 ± 28 individuals per CDC trap) compared to Palm Desert (17 ± 8) and La Quinta (10 ± 10) sites. Young *Culex* spp. larvae (1st/2nd instars) were present at low levels (mean = 3 ± 3 larvae per dipper sample) in deep standing water reservoirs of Coachella (A2) and Palm Desert (C1-4) sites. No adults or larvae of *Aedes spp.* were evident on this single sample date.

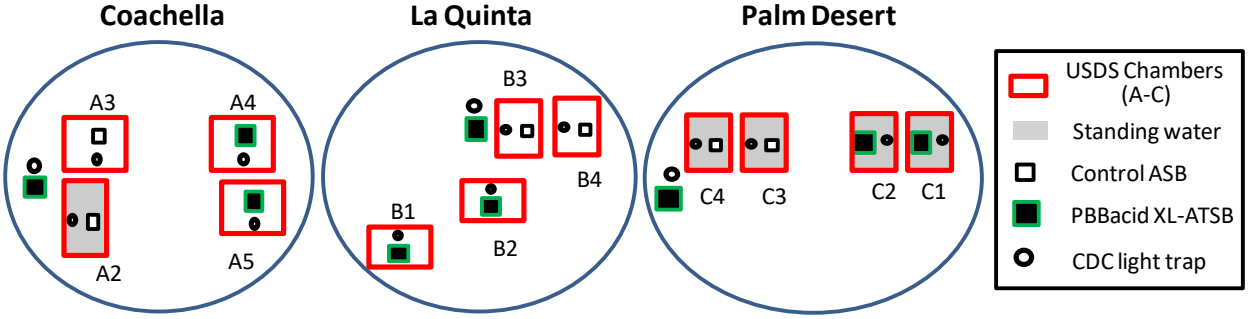


Figure 1. Experimental design for the field ATSB trial cancelled spring 2020. Control = 1 L bait station, no insecticides. PBBacid = 3 L bait station with pyriproxyfen, *Beauveria bassiana*, and boric acid. Note: figures and distances not drawn to scale.

Surprisingly, *Beauveria bassiana* infection appeared in wild adults from the deepest USDS chamber sampled (Coachella - A5), despite the absence of ATSB treatments in 2020. Sporulation characteristics diagnostic for *B. bassiana* were evident in four individuals (9.8% of 41 live adults from site A5) that died two to twenty days after collection. In autumn 2019, Coachella-A5 fungal infection rates (mean = 23 ± 19 %) were highest among all USDS, even though Coachella-A5 contained only non-toxic bait stations and lacked a standing water reservoir (Annual Report 2019). In 2019, *Beauveria bassiana* appeared to readily spread between adjacent pairs of treated and non-treated USDS (mean distance = 20 m, range: 10 – 50 m) and it will be of interest if this trend continues in 2020 if non-treated USDS are on average an order-of-magnitude farther in distance (mean = 200 meters, range: 60 – 320 m) from treated USDS (Figure 1).

An extra large capacity station (XL-BBQ model) that can store up to three times the amount of insecticides compared to the standard capacity station (Figure 2) is also expected to boost ATSB efficacy in USDS. The XL model bait reservoir consists of a square black plastic container (160 oz., area = 10.75 in^2, height = 4.5 inch, model 94160B50, Sabert, USA), chosen because it fit within dish tubs similar to those used to float and protect standard-size stations. The upper limit on ATSB size in USDS is 15 inch or less given the typical diameter of manhole openings. The XL square reservoir contains a stack of three large sponges (one sponge: length = 7.5 inch, width = 5.5 inch, height = 1.88 inch) that provide a saturated medium for mosquito feeding, reduce evaporation, and facilitate delivery of 3 liters of bait for at least two weeks duration.

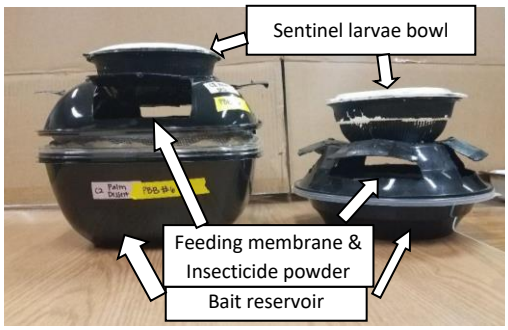


Figure 2. Extra large (left = XL-BBQ model) and standard (right = PIE model) capacity ATSB designs.

A double layer fiberglass feeding 'membrane' (area = 7.25 in^2) was created by removing the center of two plastic covers and hot gluing two fiberglass cloth layers between an upright and inverted ring. The inverted cover creates a shallow 'moat' (depth = 0.25 inch, top width = 1 inch) external to the feeding membrane that can deploy up to 30+ grams of

insecticide powder. Each toxic station will contain a mixture of 30 grams BGWP (*Beauveria bassiana*) and 1.5 grams pyriproxyfen (PPF) technical powder. A shorter version of the bait reservoir container (80 oz., Sabert 94080B50, area = 10.75 in^2, height = 2.5 inch) was inverted as a cover to protect the bait reservoir, feeding membrane, and moat of insecticidal powder. Four rectangular flaps (one flap: length = 4 inch, height = 2 inch) were carved along the sides of the inverted cover for mosquito access. Embedded on top of the inverted cover is a single plastic container designed to house sentinel larvae overnight in a glass bowl (150 mL) that monitors PPF activity as each ATSB station ages. The sentinel larvae container was sunken 1 inch into the ATSB cover and sealed with hot glue to create a stable vertical profile.

Impact of ATSB on Mosquito Fecundity: ***Methods***

The impact of ATSB exposure on the fecundity of *Culex quinquefasciatus* females was assessed in week-long laboratory cage trials. Each cage replicate (3 replicates per treatment) consisted of a *Culex quinquefasciatus* cohort (*n* = 30, mean age: 2-14 days) sugar-starved for one day before ATSB exposure and blood-feeding. Mosquito cohorts were present for one day in exposure chambers consisting of a main cage (ATSB location) connected to a smaller entrance cage (Igloo design, see Annual Report 2019) before transfer to blood-feeding/egg laying cages. Independent trials were conducted with female cohorts exposed 1 day before blood-feeding (nulliparous), 1 day after blood-feeding (blood-fed), or 3 days after bloodfeeding (gravid). For practical purposes, mosquito transfer procedures differed for pre-exposure (blood-fed and gravid) and post-exposure (nulliparous) blood-feeding treatments. Pre-exposure bloodfeeding occurred in parent cages (~ 200 females each), after which an adult cohort was aspirated into an exposure chamber, followed by a second transfer of live specimens from each cohort into replicate egg-laying cages. In contrast, nulliparous females were separated by cohort for exposure and transferred by cohort to a separate cage subsequently used for both blood-feeding (single host) and egg-laying.

Adult mosquitoes can be difficult to catch/find, often come with undesired males/females, and occasionally escape/are harmed during aspiration. The actual size of cohorts therefore varied at times among replicates and average numbers of recovered females (dead + live). Cohort sizes averaged 30 (nulliparous), 32 (blood-fed), and 36 (gravid) females among reproductive treatments; however, mean cohort sizes were virtually identical (33-34 females) among ATSB bait treatments (NBA, Bacid, and Choice, see details below). Survivorship, the absolute number of egg rafts and eggs (total, hatched, unhatched) were divided by the number of recovered females post-exposure to account for discrepancies in cohort size among replicate cages (Figure 4). Dead adults were counted, removed daily and discarded during the first week; however, survivors were monitored an additional two weeks in laboratory vials, during which dead adults were placed in 24 well plates and observed for fungal infection for at least a week after removal. Extended monitoring of adult survivorship was to confirm the absence of *Beauveria bassiana*

infections (see Annual Report 2019 for details) characterized by delayed-onset mortality characteristic and to compare this absence to fungus-treated ATSB assays if needed.

All reproductive states were allowed to lay egg rafts in a water cup (150 mL) 3-5 days post-bloodmeal. Egg-laying performance was tallied according to date, number of egg rafts, number of eggs per egg raft, and egg hatch rates. Egg rafts were transferred daily from water cups to plastic tray cups (up to five rafts per cup), allowed to hatch for 2-3 days, and preserved with 95% ethanol. First instar larvae (hatched eggs) and unhatched eggs were identified and tabulated with a dissecting microscope.

The 'pie' model of ATSB (1 L volume) from previous USDS deployments (Annual Report 2019) was used to expose females to attractive sugar bait (sugar water with 20% fermented organics and red food coloring) treatments with 1% boric acid (= Bacid) and without boric acid (= NBA). A plastic cup with water dyed with green food coloring (150 mL with feeding wick on top) was placed at the entrance of exposure chambers and daily observation of gut coloration (red, green, purple) and location (entrance vs. main cage) of live and dead females provided *ad hoc* information about feeding and resting behaviors. In addition to the NBA and Bacid treatments, a third ATSB treatment (= Choice) included both a boric acid ATSB (main cage: red bait) and attractive bait without boric acid (entrance cup: 150 mL green bait). The Choice treatment was included to assess how an alternative sugar source may impact ATSB efficacy given ATSB stations in the field may have to compete with a variety of sugar feeding sites such as that provided by plant nectar or human sources (e.g. garbage). When sufficient mosquitoes were available, the impact of ATSB station aging on reproductive output was assessed (Figure 4). Blood-fed and gravid female cohorts were assayed on two week-old stations, gravid females were further assayed on four week-old stations, and nulliparous females were not assayed on aged material (see explanation below).

Mosquitoes were blood-fed overnight on a day-old chick restrained in a small mesh cage and placed inside rearing cages during the blood-fed/nulliparous exposure trials; however, we were forced to switch to an artificial blood-feeding system during gravid exposure trials because our chicken supplier ceased operation and new suppliers would not transport chickens due to a statewide Newcastle virus quarantine. The artificial system consisted of glass bells with inner (blood) and outer (heated water) compartments (Figure 3). Each bell was sealed ventrally with a feeding membrane (ID = 3.5 cm) composed of water-soaked natural hog casing (LEM Products, West Chester, OK) and secured by a looped rubber band. The bells were connected by segments of rubber tubing to each other and larger tubing connected to circulating water bath heated to 37 °C (Sahara S3 Stainless-Steel Heated Bath Circulator with SC100 Controller 115V, Thermo Fisher Scientific Inc. USA). 3-8 mL of whole blood was pipetted into the neck of each glass bell on top of adult colony mesh cages and heated close to host body temperature by the circuit of flowing water for 2-6 hours of bloodfeeding.

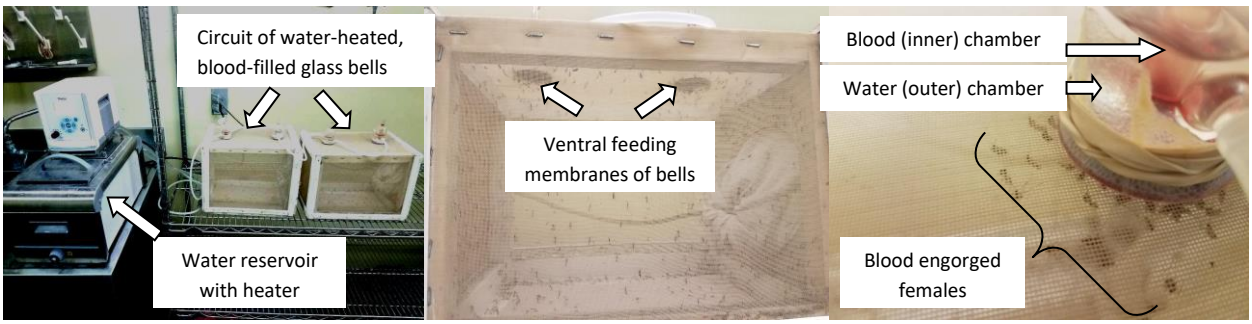


Figure 3. Artificial system for blood feeding *Culex quinfascqueiatus* in laboratory colonies.

The *Culex quinquefasciatus* parent colony at first fed poorly on the artificial blood system and attractive odors for host-seeking were placed on feeding membranes with paper towels rubbed on skin surfaces. Bloodfeeding was also encouraged by visiting colonies multiple times to provide repeated host odors, acclimatizing adults to the bloodfeeding room by transferring cages from the rearing room the day before bloodfeeding, and scheduling feeding during evening hours with diffuse lighting to simulate conditions at dusk. After about a month's duration, adults appeared to largely accept the artificial blood-feeding system and at present can produce large numbers of blood-fed females after several hours of feeding. Poor bloodfeeding events do occur infrequently and are associated with air flow malfunctions that disrupt environmental conditions (normal room humidity ~ 70% and temperature ~75 °F).

Chicken whole blood (whole blood in ACD, Lampire Biological Laboratories, PA USA) was first used to feed parent colonies and subsequently in the first gravid exposure (1 d aged ATSB). In general, adults fed on whole chicken blood produced egg rafts of similar size (mean = 120 eggs per raft) as those fed on day-old chickens (mean = 124 eggs per raft). Unfortunately, chicken whole blood is relatively expensive and was unavailable for subsequent experiments; instead, the relatively inexpensive bovine whole blood (defibrinated bovine blood, Hemostat laboratories, CA USA) was used for the gravid exposures with aged ATSB stations (14 d and 28 d). Compared to chicken whole blood, bovine blood appears to result in similarly sized bloodmeals, similar numbers of total egg rafts, and yet individual egg rafts appear smaller (Popko, observations).

Impact of ATSB on Mosquito Fecundity: ***Results***

Reproductive output of female mosquitoes may have been constrained by experimental variables in a variety of ways (Figure 4). The boric acid-only treatment (Bacid) decreased the mean numbers of adult survivors, egg rafts, total eggs per female, and hatched (1st instar larvae) eggs per female and increased the mean numbers of unhatched eggs by at least one-third compared to the non-boric acid bait treatment (NBA). Not surprisingly, the treatment with both boric acid and non-boric acid options (Choice)

displayed intermediate mortality and reproductive productivity compared to Bacid and NBA extremes.

In comparison of fresh assays alone (1 d old ATSB), exposure of nulliparous adults resulted in at least 40% lower survivorship, egg raft production, total egg numbers per female, hatched eggs per female, and unhatched eggs per female, on average, compared to exposure of gravid adults. Fresh exposure of recently blood-fed adults produced moderate levels of reproductive output that fell between that of nulliparous and gravid exposures. Among the three bait treatments, Bacid was associated with the largest discrepancies among the three reproductive states, particularly due to large reductions in nulliparous fecundity, and NBA was associated with the smallest differences among reproductive states.

The impact of ATSB aging on adult fecundity was equivocal given the absence of nulliparous and blood-feed (4 week) aging trials and the switch from chicken (fresh ATSB) to bovine whole blood (2 wk and 4 wk aged) in gravid exposures. However, one interesting trend to follow up on included 50% reduction in egg production of blood-fed females in 2-week-old ATSB exposures despite survival rates on par with fresh ATSB exposures. Along these lines, gravid females produced nearly 40% fewer eggs per raft in aged ATSB exposures with bovine blood (mean = 77 eggs per raft) compared to fresh ATSB exposures with chicken blood (mean = 120 eggs per raft), and yet the total numbers of egg rafts did not vary (bovine: mean = 0.65 egg rafts per mosquito vs. chicken: mean = 0.66 egg rafts per mosquito). Additional variation with aging in gravid-exposed females suggested reproductive output was lower in 2 week trials, despite similar numbers of eggs per raft between experiments.

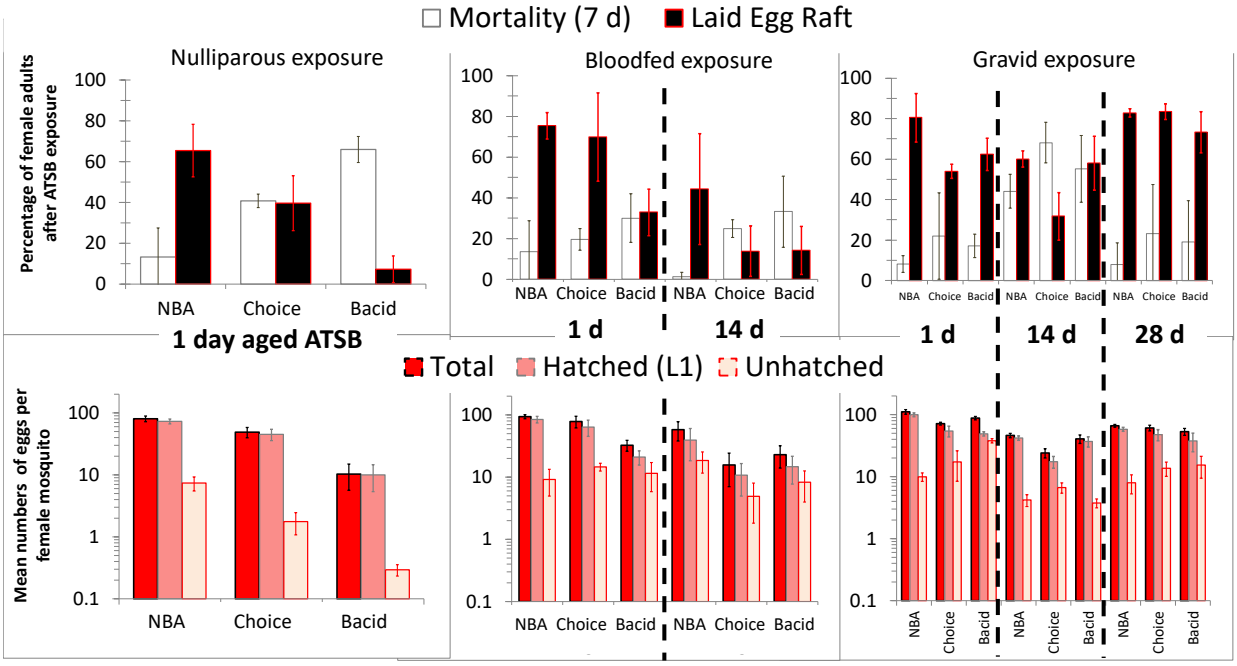


Figure 4. Reproductive patterns (mean ± SE) of adult female *Culex quinquefasciatus* exposed to three ATSB treatments in the laboratory. Five variables illustrated are percent mortality and egg-laying frequency among survivors in mosquito cohorts (top panels) and the numbers of total, hatched (1st instar larvae), and unhatched eggs per female mosquito (bottom panels). Females at the time of ATSB exposure were either nulliparous (left panels), recently bloodfed (center panels), or gravid (right panels). Dotted lines partition results by age of ATSB material in bloodfed and gravid assays. NBA = non-boric acid bait in ATSB; Choice = boric acid bait in ATSB and non-boric acid bait in cups; Bacid = boric acid bait in ATSB. Note Log10 scale in bottom panels.

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Discussion

Overwintering of *Beauveria bassiana* in a 3-meter deep Coachella site bodes well for long-term sustainability of the ATSB-based treatment to mitigate adult numbers in USDS. Future ATSB trials should further spread the fungus throughout USDS networks, if the rise in 2019 infections continues in 2020. The three-meter depth may be one prerequisite for fungal success, especially considering a separate three-meter deep USDS chamber (Deep Canyon - Palm Desert, Annual Report 2015) was linked to higher *B. bassiana* infection rates of *Culex quinquefasciatus* exposed overnight to walls sprayed with fungal formulation. Environmental conditions at 3-meter depths may be more amenable to fungal proliferation and HOBO sensors in the 3-meter deep chamber in 2014-2015 recorded more stable temperatures and relative humidity compared chambers to 2 meters or less in depth (Annual Report 2015). Future deployment of HOBO sensors in the current USDS sites may be warranted to corroborate previous environmental data. ATSB-based *B. bassiana* may be the most effective in the least accessible and hardest-to-treat underground areas and therefore may nicely complement traditional mosquito control treatments in USDS.

The sublethal laboratory experiments with boric acid bait illustrated the importance of tracking reproductive variables to assess the multigenerational efficacy of ATSB treatments. For example, boric acid exposure appeared to have minimal direct impact on adult survival of gravid cohorts compared to other reproductive stages; and yet egg rafts of gravid-exposed females yielded larger proportions of unhatched eggs and therefore smaller-than-expected batches of viable larvae. Conversely, nulliparous adults were highly susceptible to boric acid lethality and yet egg batches appeared to be minimally impacted by exposure. Toxicity to both adult and egg stages may be key to ATSB viability in USDS given wild female mosquitoes collected from USDS traps have been composed of equal numbers of gravid and non-bloodfed specimens (Annual Report 2019). The Choice treatment confirmed that toxic bait efficacy can be reduced if mosquitoes are also provided a similarly attractive and yet non-toxic bait alternative. Mosquito control limitations of boric acid baits therefore bolstered the importance of adding complementary mosquitocidal agents such as *B. bassiana* and pyriproxyfen to each ATSB station.

The sublethal experiments also stimulated a renewed interest in developing boric acid baits with optimal efficacy profiles. Thick moldy biofilms developed in boric acid bait, but did not form in non-boric acid bait, with unknown consequences on toxin potency, mosquito attraction, mosquito feeding, etc. over time. A preliminary study with bait laced with 0.1% potassium sorbate, a common mold inhibitor in food/drinks, is ongoing to determine if preservatives could preserve ATSB effectiveness with aging. Moreover, the concentration and quality of the fermented organic component, based originally on chicken bedding and presumed to boost female attraction to the sugar solution, should be assayed for lethal and sublethal impacts, both fresh and aged, on gravid and non-gravid females. Optimal boric acid bait formulas that result should be tested against other toxic bait options, such as the only commercially-available toxic mosquito bait Final Feed™ (Catchmaster®, AP&G Co., NJ USA).

Question #1: *What work have you been able to conduct in the first half of 2020?*

All data presented in this report was from the first half of 2020. In summary, the work included the single field collection date of mosquitoes from Coachella Valley USDS, preparation of all experimental materials in anticipation of ATSB deployment, transition of laboratory colonies of *Culex quinquefasciatus* from live host to whole blood feeding, and laboratory experiments on the sublethal impact of boric acid ATSB bait on three female reproductive stages.

Question #2: *With what you know currently, what are your plans for conducting the work in the second half of 2020?*

The plan is to upgrade the original design of the canceled spring season field experiment and deploy in the USDS of the Coachella valley during the autumn season of 2020. Ongoing investigation of ATSB design and bait composition at UC Riverside may prove key to maximizing ATSB efficacy in the autumn USDS trial.

Question #3: *At this point, do you anticipate needing an extension on using the funds?*

An extension of funds is unlikely to be needed.

Semiannual Research Progress Report #1 for CVMVCD grant:

Improving fire ant IPM in the Coachella Valley: Effects of irrigation on bait efficacy. mating flight phenology, and the status of biocontrol agents.

David H. Oi and Steven M. Valles
USDA Agricultural Research Service,
Center for Medical, Agricultural, and Veterinary Entomology
1600 SW 23rd Drive, Gainesville, FL 32605

June 26, 2020

Summary of Activity January 2020 through June 2020.

The objective of the proposed research for 2020-2021 is to improve the integrated pest management (IPM) of fire ants in the Coachella Valley by: 1). Evaluating the effect of irrigation on bait efficacy to determine the need to withhold irrigation after bait application; 2) Identifying periods of peak mating flight activity to improve timing of bait applications; and 3) Determining the spread of fire ant biocontrol agents released in the Coachella Valley to assess their further utilization for fire ant IPM.

1) To evaluate the effect of irrigation on fire ant bait efficacy in the field, two field sites, located at Lake Cahuilla Veterans Regional Park and Lake La Quinta Recreation Area, were determined to be suitable for the study. These sites were surveyed for red imported fire ants on Feb. 25-26, 2020. Fire ant activity was high enough to allow for two replicates to be located at each site.

   Further preparations for the field study were suspended due to the USDA-ARS prohibition of air travel and closure of all ARS laboratories across the U.S. due to the pandemic.

2) Research on monitoring fire ant mating flight activity has not commenced due to the CMAVE laboratory closure on March 19, 2020. However, literature searches and remote lab discussions on how to quickly implement this research has been conducted.

3) Surveying for the spread of fire ant biocontrol agents in Coachella is not scheduled until 2021.

##

Due to the COVID-19 pandemic, USDA-ARS labs were closed on March 19, 2020 and all personnel were placed in mandatory telework status. All laboratory and field research activity at CMAVE has been prohibited until we are approved to reopen with staffing limited to one person per 1000 sq. ft of lab space. Criteria to reopen is tied to the trend in infection rates in the lab's county, local hospital bed space, and other criteria. Currently, CMAVE has not been allowed to open due to the recent surge in county COVID cases. As of June 26, there is no projected date for reopening.

Because of the travel curtailment and extended laboratory closure that is approaching 4 months, we anticipate needing an extension on using the CVMVCD funding to full grant objectives.

1) **Irrigation effects on bait efficacy.**
We proposed to compare the efficacy of standard fire ant bait on fire ant populations in field sites where irrigation is withheld after baiting and in sites that follow a normal, daily irrigation schedule. We hypothesize that fire ant bait efficacy will be similar at the irrigated and non-irrigated sites, based on the results of the 2019 Coachella Valley field study and observations of fire ants foraging on wet bait.

Site selection and preliminary fire ant sampling was completed on February 25-26, 2020. Two field sites, located at Lake Cahuilla Veterans Regional Park and Lake La Quinta Recreation Area, were determined to be suitable for the study. Infestations were high enough to allow for two replicates to be located at each site. However, when research and travel restrictions are lifted, these sites must be resampled to ensure fire ants densities are still adequate for testing. Resumption of this test has been tentatively rescheduled for February and March of 2021.

2) **Peak mating flight activity.**
When research activity resumes hopefully this summer, we will focus on developing equipment (traps/cameras) for fire ant alate flight monitoring at CMAVE. Assuming an August lab reopening, there should be enough time to artificially initiate alate flights from field colonies to test trap designs. Pending the lifting of USDA-ARS domestic air travel restrictions and availability of lodging in Coachella, we will locate monitoring sites and install traps in the District in late fall or winter of 2020.

3) **Status of fire ant biocontrol agents.**
Sampling for the fire ant biocontrol agents, Solenopsis invicta virus 3 (SINV-3), and two species of phorid flies, *Pseudacteon obtusus* and *Pseudacteon curvatus*,SINV to determine their spread from the initial release sites are scheduled for the first half of 2021. Pending the status of travel restrictions due to COVID, biocontrol sampling may be moved to Oct.-Nov. 2020 or April-June 2021. This will spread the higher workload due to the rescheduling of the bait field test to 2021.

Milestones for fire ant bait efficacy in irrigated landscapes, mating flight activity, and determining the spread of fire ant biocontrol agents in the Coachella Valley. Red text indicates potential adjustments due to COVID-19.

Year / Quarter	CA field efficacy test of irrigated bait	Mating flight activity:	Biocontrol spread
2020 Jan-Mar	Site selection (Feb-Mar)	Refine alate trap	
2020 Apr-Jun	Treat & sample Currently suspended due to COVID	Currently suspended due to COVID	
2020 Jul-Sep		X	
2020 Oct-Dec		Trap testing in CA	Sample & map
2021 Jan-Mar	Treat & sample	Alate trapping	Sample & map
2021 Apr-Jun	X	X	X (if needed)
2021 Jul-Sep		X	X
2021 Oct-Dec		X	

INTEGRATED VECTOR MANAGEMENT
PROGRAM PRESENTATIONS

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

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

Agenda Item: Informational Item
Prerecorded Presentations for the Board and the Public - **Jeremy Wittie, M.S., General Manager**

Background:

In an effort to keep the Board of Trustees and the public informed about our operations while keeping meetings timely, presentations are available for viewing online prior to the meeting. To view, please click on the hyperlinks below.

The District's Integrated Vector Management (IVM) program is an integral tool we utilize to reach our mission of providing effective and environmental sound vector control and vector-borne disease prevention programs. The District's IVM program is primarily focused on three areas; Surveillance and Quality Control, Operations, and Public Outreach.

I invite you to watch the presentations and if you would like to discuss anything from the video updates, please feel free to pull the item for discussion during the Board meeting.

Hyperlinks to Prerecorded Presentations:

- Surveillance and Quality Control
- Operations
- Public Outreach

SECTION
11

OLD BUSINESS

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

Agenda Item: Old Business

Discussion and/or approval of Resolution 2020-13 Adopting Employee Pay Schedule, in conformance with California Code of Regulations, Title 2, Sections 570.5 and 571 – **Crystal Moreno, Human Resources Specialist**

Background:

On August 10, 2011, CalPERS adopted the *California Code of Regulations (CCR) Title 2, Sections 570.5, and 571(b),* which set specific requirements for making pay schedules publicly available. The stated purpose was to ensure consistency and enhance disclosure and transparency of public employee compensation.

To fully meet the requirements of these regulations, the pay schedule must list a position title for every employee position, show a pay rate for each position, and indicate the time base for the pay rate (hourly, monthly, annually, etc.). The pay schedule shown on Exhibit "A" updates Teamsters 2020-2021 pay rate reflected in the Side Letter of Agreement to the Memorandum of Understanding approved at the June 9, 2020 Board meeting; and confidential and management pay rate reflected in individual contracts.

Staff Recommendation:
Staff recommends that the Board of Trustees approve Resolution 2020-13.

Exhibits:
Resolution 2020-13
Pay Schedule (Exhibit "A")

RESOLUTION NO. 2020-13

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT APPROVING THE DISTRICT'S PAY SCHEDULE TO CONFORM WITH THE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 2, SECTION 570.5 AND AMENDMENTS TO CCR SECTION 571, SUBDIVISION (b)

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

WHEREAS, California Code of Regulations, Title 2, Section 570.5 requires governing bodies of local agencies contracting with CalPERS to approve and adopt a publicly available pay schedule in accordance with public meeting laws; and

WHEREAS, the Board of Trustees wishes to meet the requirements of these regulations by adopting a Pay Schedule which sets forth the pay ranges for all District employee classifications in one single document;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District that:

Section 1. Recitals.

The true and correct recitals above are incorporated by this reference herein as the basis and foundation for the District's adoption of this Resolution.

Section 2. Approval of Pay Schedule

That the Board of Trustees hereby approves the pay schedule shown on Exhibit "A," which is incorporated herein by this reference, for classifications as designated on said schedule, a copy of which is attached hereto and incorporated herein by this reference.

Section 3. Effective Date.

This Resolution shall take effect upon its adoption.

Section 4. 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.

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

_____
Franz De Klotz, 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

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Monthly Pay Schedule - FY2020-21

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
VCT Trainee	2,191.25	2,300.81	2,415.85	2,536.64	2,663.47	2,796.64
Laboratory Technician	3,083.29	3,237.45	3,399.32	3,569.29	3,747.75	3,935.14
VCT I, Utility Worker	3,935.14	4,131.90	4,338.50	4,555.43	4,783.20	5,022.36
VCT II, Laboratory Assistant I	4,783.20	5,022.36	5,273.48	5,537.15	5,814.01	6,104.71
Mechanic I, Facilities Maintenance Technician I	5,022.36	5,273.48	5,537.15	5,814.01	6,104.71	6,409.95
Lead VCT, Lab Assistant II, Mechanic II, Facilties Maintenance Technician II	5,273.48	5,537.15	5,814.01	6,104.71	6,409.95	6,730.45
Administrative Clerk	4,527.78	4,754.22	4,990.86	5,240.76	5,501.88	5,778.30
Accounting Technician I	4,639.98	4,873.56	5,116.32	5,372.34	5,641.62	5,923.14
Accounting Technician II	5,186.70	5,445.78	5,718.12	6,005.76	6,305.64	6,619.80
Public Outreach Coord, IT/GIS Assist	6,025.14	6,326.04	6,642.24	6,973.74	7,322.58	7,689.78
Biologist	6,334.20	6,650.40	6,983.94	7,332.78	7,698.96	8,083.50
Field Supervisor, Public Info. Officer	7,345.02	7,712.22	8,098.80	8,503.74	8,930.10	9,375.84
Environmental Biologist, Vector Ecologist, IT/GIS Analyst, Lead Supervisor	7,712.22	8,098.80	8,503.74	8,930.10	9,374.82	9,844.02
Exec. Assist./Clerk of Board, HR Specialist	6,180.26	6,489.27	6,813.74	7,154.42	7,512.15	7,887.75
Human Resources Manager, IT Manager, Public Information Manager, Operations Manager, Lab Manager	8,173.85	8,582.55	9,011.67	9,462.25	9,935.37	
Admin/Finance Manager	8,469.36	8,892.82	9,337.47	9,804.34	10,294.55	
General Manager	13,150.05					

Educational Incentive Pay

Certificate	1%	Master's Degree	4%
Associate Degree	2%	Doctorate Degree	5%
Bachelor's Degree	3%		

Temporary - Out of Class 5%

Additional Duties 5%

SECTION
12

NEW BUSINESS

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

Agenda Item: New Business
Discussion and/or approval to purchase pesticide control products in the amount not to exceed $772,431 from Fund #7800.01.028, Field Chemical Control – **Bobbye Dieckmann, Operations Manager**

Background:

The FY2020-21 Budget for pesticide control products is $772,431. The annual purchase of control products is based on multi-year historical analysis of pesticide usage to predict total product requirements and delivery schedules. The initial purchase of control products is estimated to be $622,920. Some of the products are sole source, the rest are distributed by a number of suppliers. The following chemical control products will be awarded to the lowest responsible bid or sole-source suppliers. Products will be delivered and billed on or near the projected delivery date or as needed if determined by the Operations Manager and approved by the General Manager.

PRODUCT	TARGET	TOTAL AMOUNT	ESTIMATED COST
SIESTA	RIFA	1,000 LBS	$10,120.00
EXTINGUISH PLUS	RIFA	18,000 LBS	$118,800.00
ALTOSID BRIQUETS	MOSQUITO	800 COUNT	$1,032.00
ALTOSID XR BRIQUETS	MOSQUITO	2,420 COUNT	$9,002.40
ALTOSID PELLETS	MOSQUITO	1,496 LBS	$41,573.84
ALTOSID P-35	MOSQUITO	1000 LBS	$18,760.00
AQUABAC 200G	MOSQUITO	1,600 LBS	$3,632.00
NATULAR CENSOR	MOSQUITO	5,600 LBS	$18,319.85
NATULAR G	MOSQUITO	1,000 LBS	$6,730.00
NATULAR G30	MOSQUITO	4,000 LBS	$71,360.00
NATULAR XRT	MOSQUITO	2,640 COUNT	$11,352.00
VECTOBAC 12AS	MOSQUITO	135 GAL	$6,732.45
VECTOBAC G	MOSQUITO	3,200 LBS	$9,568.00
VECTOBAC WDG	MOSQUITO	3,800 LBS	$160,132.00
VECTOMAX FG	MOSQUITO	3,500 LBS	$33,950.00
METALARV SPT	MOSQUITO	1,920 LBS	$55,123.20
EVERGREEN ULV (5-25) GROUND	MOSQUITO	110 GAL	$19,868.00
AQUA RESLIN	MOSQUITO	120 GAL	$26,864.40
TOTAL		T 52902.44/S25,500	**$622,920.14**

Purchase of pesticide control products outside of this initial order valued over $25,000 will come back to the Board for additional approval.

This purchase will not be a formal RFP and will require emailed quotes from suppliers where lowest responsible quote will be awarded the bid.

Staff Recommendation:

The Operations Department is requesting Board approval to purchase chemical control products in the amount not to exceed $772,431

Fiscal Impact:

FY2020-21 Budget **GL # 7850.01.028**	Current Available Funds	Proposed Expense Fiscal Year 2020/21	Remaining Available Funds
$772,431	**$772,431**	**$622,920**	**$149,511**

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

Agenda Item: New Business

Approval of Resolution 2020-14, adopting the CVMVCD Invasive Mosquito Management Program and Arbovirus Response Plan – **Jennifer A. Henke, MS, Laboratory Manager**

Background:

The District's mission is to protect the health of the public in the Coachella Valley from excessive nuisance, caused by mosquitoes, and to mitigate risk from mosquito-borne viral disease through its ongoing mosquito surveillance and control program. Intensive control measures may be applied to reduce the potential for virus transmission to humans by suppressing infected mosquito populations for no less than a 45-day period while infectious viremia persists in people, thus breaking the cycle by preventing new vector infections.

The *CVMVCD Invasive Mosquito Management Program and Arbovirus Response Plan* describes an enhanced surveillance and response program for the Coachella Valley dependent on the level of risk of mosquito-borne virus transmission to humans. The plan was created in 2015 and is updated to follow changes in surveillance and new findings regarding invasive mosquitoes and arboviruses. *The Guidance for Surveillance of and Response to Invasive Aedes Mosquitoes and Locally Acquired Exotic Mosquito-borne Infections Transmitted by These Mosquitoes in California* generated by California Department of Public Health, Mosquito & Vector Control Association of California and University of California, is the core of this document; however, some necessary adjustments were made based on results of surveillance, control, and public outreach activities relative to the conditions and communities in the Coachella Valley.

Staff Recommendation:

Approval of Resolution 2020-14 adopting the CVMVCD Invasive Mosquito Management Program and Arbovirus Response Plan

Exhibits:

- Resolution 2020-14
- CVMVCD Invasive Mosquito Management Program and Arbovirus Response Plan

Resolution No. 2020-14

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT ADOPTING THE CVMVCD INVASIVE MOSQUITO MANAGEMENT PROGRAM AND ARBOVIRUS RESPONSE PLAN

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 State of California annually adopts the California Guidance for Surveillance of and Response to Invasive *Aedes* Mosquitoes and Locally Acquired Exotic Mosquito-borne Infections Transmitted by These Mosquitoes in California ("State Invasive Mosquito Guidance") which provides local agencies with a decision support system outlining the roles and responsibilities involved with mosquito-borne virus surveillance and response; and

WHEREAS, the District has prepared its own Invasive Mosquito Management Program and Arbovirus Response Plan, attached hereto as Exhibit "A" and incorporated herein by this reference ("District Invasive Mosquito Plan"), which incorporates the State Invasive Mosquito Guidance with certain adjustments made to benchmark ratings relative to the conditions in the Coachella Valley.

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 District Invasive Mosquito Plan.

The Board of Trustees hereby adopts the District Invasive Mosquito Plan.

Section 3. Delegation of Authority.

The District's General Manager is hereby delegated all authority necessary to implement the District Invasive Mosquito Plan in a manner that is consistent with the State Invasive Mosquito Guidance and the conditions in the Coachella Valley.

Section 4. Public Inspection and Copying.

A copy of the District Invasive Mosquito Plan 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 this Resolution 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 this Resolution 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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PASSED, ADOPTED AND APPROVED, this 14th day of July, 2020.

_____
Franz De Klotz, 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
INVASIVE MOSQUITO MANAGEMENT PROGRAM
AND
ARBOVIRUS RESPONSE PLAN

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

INVASIVE MOSQUITO MANAGEMENT PROGRAM AND ARBOVIRUS RESPONSE PLAN 2020

CVMVCD 43-420 Trader Place Indio, CA 92201
E-mail: cvmosquito@cvmvcd.org
www.cvmosquito.org

Revised IVM CC July 6, 2020

Table of Contents

I. OBJECTIVE

The purpose of this document is to provide guidance to Coachella Valley Mosquito and Vector Control District staff on how to prepare for, conduct surveillance of, and respond to the detection of invasive mosquitoes in the Coachella Valley. Mosquito species of immediate concern are the container-breeding *Aedes aegypti* and *Aedes albopictus,* both of which have been detected in multiple areas of California, including Riverside County. This document was developed based on the California Department of Public Health (CDPH) "**Guidance for Surveillance of and Response to Invasive *Aedes* Mosquitoes and Locally Acquired Exotic Mosquito-borne Infections Transmitted by These Mosquitoes in California"** published in June 2014 and revised March and August 2016, February 2017, and April 2020. https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/InvasiveAedesSurveillanceandResponseinCA.pdf

II. INTRODUCTION

The detections of *Aedes albopictus* (Los Angeles area 2011), *Aedes aegypti* (Central Valley and Bay Area 2013), and *Aedes notoscriptus* (Los Angeles area 2014) demonstrated that California is vulnerable to colonization by these highly invasive mosquito species. In October of 2015, *Aedes aegypti* was discovered in Riverside and San Bernardino Counties. These discoveries alerted District staff that the detection of one of these invasive species may occur at any time within the Coachella Valley.

Aedes aegypti mosquitoes were detected in the Coachella Valley in May 2016. Since that time, the District staff have determined that BG traps are the most effective for collecting adequate numbers, examined pesticide efficacy, reviewed physical control strategies, and honed communication methods to best meet the needs of a variety of community groups. This work has led to the selection of appropriate surveillance, control, and outreach strategies outlined in this management and response plan.

In an effort to protect residents and visitors from invasive mosquito species and the viruses they transmit, the District plans to exercise its full abatement powers and exemptions for vector control as specified in the **"The Cooperative Agreement between the California Department of Public Health and Local Vector Control Agencies."** https://www.cdph.ca.gov/programs/vbds/Documents/BenefitsCooperativeAgreement08.pdf

The District prioritizes active virus transmission and public health risks. Depending on the needs in other vector programs, work to manage invasive mosquitoes not actively transmitting arboviruses may be considered as a lower priority than the management of mosquitoes, invasive or native, actively transmitting arboviruses. Please review the District's

Mosquito-Borne Surveillance and Emergency Response Plan for additional information on the surveillance and response for West Nile virus, St. Louis encephalitis virus, and western equine encephalomyelitis virus and the mosquitoes that vector these viruses.

III. Annual Training

In March of each year, the Vector Ecologist will coordinate mosquito species training with all Surveillance and Quality Control department staff. The training will include information on all known invasive mosquito species currently established or likely to establish in California. Upon completion of training staff should be able to:

1. Identify all life stages of invasive mosquito species.
2. Have knowledge of the biology and ecology of the invasive mosquito species.
3. Be current on the latest surveillance and control methods being used for invasive mosquitoes in California.

The Vector Ecologist will also work in collaboration with the Operations Manager and Public Information Officer to design and present training to all Operations Department and Clerical staff. The training should include:

1. Biology and ecology of invasive mosquito species in California.
2. Current surveillance and control methods used against relevant invasive mosquito species and the current distribution of invasive *Aedes* species in California.
3. Service Request procedures when responding to a potential report of an invasive mosquito species. Service Request procedures should include:
    a. Questions to ask when Call Center receives mosquito complaint calls.
    b. Methods of surveillance to be performed.
    c. Recommended control methods.
    d. Key messaging to be delivered to the resident requesting service.

IV. Novel Invasive Mosquito Response Plan

The District has a long history of effectively controlling vectors and minimizing vector-borne disease. However, new and emerging vectors and vector-borne diseases pose greater challenges, and there is little likelihood of eradicating them with current techniques. To maintain its ability to proactively respond to vectors and vector-borne diseases, the District prioritizes and tracks global emerging vector-borne disease threats most likely to arrive in the Coachella Valley.

The Laboratory Manager reports in February annually the likely threats for the year. By March, the Vector Ecologist will review and update the invasive mosquito surveillance plan

as needed. Information is gathered through scientific literature; statewide and neighboring agency communications; and reports made at local and national meetings.

The Vector Ecologist will be responsible for confirming the identification of an invasive mosquito species specimens. Once District confirmation is made, the Vector Ecologist will call for a special meeting immediately with the General Manager, Department Managers, and Field Supervisors. At this meeting, an initial assessment will be made and a post-detection response plan initiated. The Laboratory Manager will notify CDPH Vector-Borne Disease Section Biologists at the Ontario Field office.

V. INVASIVE *AEDES AEGYPTI* MANAGEMENT PROGRAM

In the absence of evidence of the presence of arboviruses primarily transmitted by *Aedes aegypti* (such as chikungunya, dengue, yellow fever, and Zika), the following discusses the normal level response to the presence of *Aedes aegypti*.

1. Surveillance Response

BG traps are set one night per week at pre-defined trap locations throughout the season to monitor the detection area. When evaluations of control efforts are being considered, between 15 and 45 BG traps will be set weekly at temporary locations.

Female mosquitoes are pooled together by city by week and sent to the Davis Arbovirus Research and Testing (DART) facility for virus testing of chikungunya, dengue, and Zika viruses. A weekly surveillance report of trap counts and service request results are sent to the District staff by the end of business each Friday.

2. Operations Response

Service Requests

Each zone Vector Control Technician (VCT) will be responsible for responding to service requests involving *Aedes aegypti* in their zone. If the presence of *Aedes aegypti* is confirmed at the residence of the requestor, the Technician will perform a Rule of Nine inspection around the confirmed *Aedes aegypti* property.

During the property inspection, the VCT will focus on educating the resident in ways to prevent mosquito breeding on their property as well as performing both physical and chemical control (larval and adult) as necessary based on the results of the inspection.

If the service request load becomes too great due to service request volume or response to other arbovirus threats that impede the ability to respond to Invasive *Aedes* service (no more

than 5 business days after resident request), the VCT will request assistance from their supervisor.

"Hot Shots" Team

This Operations team consists of two full-time VCTs supported by five Seasonal VCTs. This team of VCTs has three primary areas of focus in the control program of *Aedes aegypti*

- VCT "first responders" to a neighborhood if a human or positive mosquito sample for invasive *Aedes* vectored disease is reported to the District (see section VI below).
- Supplement the surveillance and control efforts of Zone VCTs in areas that are experiencing above-average Service Requests, adult *Aedes aegypti* trap counts, or high concentration of positive larval lab samples.
- Be VCTs initiating Abatement powers for repeat offender properties.

Seasonal Area–Wide Applications

Annual planning for seasonal area-wide applications is performed during the winter planning period in conjunction with the District's operations budget development.

When determining an area for WALS applications for the coming season, the District's IVM team analyzes monthly historical *Aedes aegypti* population data by city or unincorporated county area to forecast peak mosquito activity for the coming season. Then using a GIS module, District staff pinpoint areas within cities or unincorporated areas with the highest *Aedes aegypti* activity by examining and visualizing service requests, larval samples, and invasive *Aedes* trap count data. Based on this data analysis, specific sites within the District are prioritized and targeted for WALS application to drive down the forecasted peak in the coming season.

Once sites are determined and the budget for the coming fiscal year is approved by the Board of Trustees, the IVM team begins planning for the WALs application to determine the most appropriate means of public outreach to the affected local government entities and residents of the WALS application area as well as to finalize the means of application and method of efficacy assessment.

3. Outreach Response

Outreach will lead general awareness outreach initiatives regarding invasive *Aedes* mosquitoes, as follows:

a. Provide invasive *Aedes* outreach materials to cities for distribution in city offices, newsletters, websites, and social media.

b. Distribute invasive *Aedes* awareness materials at public events such as community, city, and school presentations, fairs, other community engagements, and one-on-one meetings with city, county, state, and federal officials.
c. Include invasive *Aedes* as a topic in standard presentations and other outreach efforts.
d. Deliver Aedes Detection programs designed for students in targeted elementary, middle, and high schools to teach students about invasive *Aedes*.
e. Provide Vector Control Technicians with informational materials to distribute during Service Requests with residents.
f. Post informational materials on District website page (www.cvmosquito.org) promoting awareness of invasive *Aedes* risk.
g. Promote awareness of invasive *Aedes* through social media channels.
h. Provide media with interviews and informational materials on the threat of invasive *Aedes*.

VI. RESPONSE TO AN ARBOVIRUS VECTORED BY *AEDES AEGYPTI*

2. Initial Communication Plan – Arbovirus Reported in a Person or *Aedes aegypti*
    a. Riverside County Department of Public Health or California Department of Public Health notifies Laboratory Manager of a suspected, probable, or confirmed case of invasive *Aedes*-vectored disease case in a person; or the Laboratory Manager or Vector Ecologist is notified by DART of a virus-positive sample of *Aedes aegypti*.
    b. The Laboratory Manager calls an Action Plan meeting of the General Manager, Operations Manager, Field Supervisor in charge of *Aedes* field response, IT Manager, Vector Ecologist, and Public Information Officer. The objective of the meeting will be to discuss the District's response to the specific detection. Due to the distribution of *Aedes aegypti* within the Coachella Valley, the District considers that any case of an invasive *Aedes*-vectored disease case may lead to local transmission. All cases are treated as if *Aedes* mosquitoes may be in the vicinity.
    c. Upon conclusion of the meeting, State and County Public Health officials and neighboring vector control agencies will be notified by the General Manager or designee of the District's planned response.
    d. The District will work collaboratively with the Riverside County Public Health Department and CDPH to issue a joint media release to raise awareness of an increased threat potential while acknowledging that no locally-acquired case has yet been confirmed.

3. Surveillance Response
    a. For human cases, the Vector Ecologist or a Biologist will inspect the residence as well as any additionally named addresses to determine the presence of *Aedes* mosquitoes.
    b. For both human cases and the presence of virus-positive mosquitoes, Laboratory Department staff will conduct enhanced adult surveillance with BG traps distributed within a 450-foot radius around the address.
    c. Any adult female *Aedes aegypti* mosquitoes will be sent to DART for arboviral testing.
    d. Inspections conducted by Laboratory staff where *Aedes* mosquitoes are found will be reported to Operations to coordinate treatment and follow-up inspection.
4. Operations Response:
    a. Door-to-door inspection notifications will commence within 48 hours of the District's Action Plan Meeting.
    b. After notification of residential and business properties within the buffered area, Operations staff initiates larval mosquito surveillance throughout a 450-foot radius around the suspect-case residence or initial positive trap and monitored for 45 days. Control strategies will be implemented when appropriate conditions for mosquito development or resting are detected.
    c. Samples of mosquitoes should be collected and submitted to Laboratory staff for identification.
    d. If invasive *Aedes* are discovered, Operations staff will conduct mandatory door-to-door inspections of each property extending 450-foot radius area from the positive property following post-detection Invasive Aedes control protocol.
    e. If Operations staff is not able to access a property under mandatory door-to-door inspections, staff will use the District warrant and abatement procedures.
5. Public Outreach Response
    a. The Public Information Officer contacts the city manager or county supervisor's office and law enforcement in affected city, cities, or unincorporated areas to inform them that an invasive Aedes-transmitted virus has been detected and a door-to-door inspection operation will begin. The Public Information Officer proceeds with "Post-Detection" stakeholder notification steps.
    b. The Public Information Officer will use the most appropriate channels below to reach the affected neighborhood regarding the door-to-door campaign:
        i. Door Hangers

ii. Geo-targeted digital messaging
iii. Townhall, community, city, and school meetings
iv. Fairs and other community engagements
v. One-on-one meetings with city, county, state, and federal officials
vi. Media interviews
vii. Neighborhood listservs
viii. Homeowner Associations (HOA) outreach email or printed postings
    1. Gated Community – Notification of HOA/Property Management/Golf Course Management.
    2. Older Neighborhoods with walled courtyards (e.g., Palm Springs area) – Notification of HOA if known and potentially postcard mail campaign and posting.
    3. Non-gated neighborhoods – Notification and communication with HOA if it exists or is known.

6. Using Area-wide Applications as a Response
    a. No later than the third day following notification of a positive case, human or mosquito, the Laboratory Manager calls a meeting to include General Manager, IT Manager, Operations Manager, Field Supervisor(s) overseeing response, Public Information Officer, and the Vector Ecologist. At the meeting, the results of trap collections and inspections will be discussed.
    b. Aerial applications of larvicide will be made if traps in the affected neighborhood capture an average of more than 10 female Aedes mosquitoes per trap per night or if 40% of the properties inspected are found to have more than 10 larval Aedes mosquitoes. Applications will cover a 1-mile square surrounding the index case.
    c. Truck-mounted larvicide applications will be made if more than 5 female Aedes mosquitoes per trap per night are captured or if 20% of the properties inspected are found to have more than 10 larval Aedes mosquitoes.
    d. Truck-mounted larvicide applications will be made in neighborhoods outside of a 1-mile radius of the human case if more than 10 female Aedes mosquitoes per night are captured on a 2-week cycle.
    e. Once the determination that area-wide application is necessary:
    f. The Laboratory Manager will direct staff to evaluate the efficacy of the application through trapping.
    g. The Operations Manager will direct staff to continue inspections and treat the properties where immediate control of mosquitoes is needed.

h. The Operations Manager will notify the Riverside County Agricultural Commissioner and, if needed, the Federal Aviation Administration of area-wide applications.
i. The Public Outreach Department will update the District stakeholders using the steps outlined in section VI.4 of this document.

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

Agenda Item: New Business
Approval to purchase two Guardian Ultra Low Volume Foggers from ADAPCO (manufacturer and sole source distributor), in an amount not to exceed $40,000 from fund 8415.13.300.000, Capital Replacement fund - **Edward Prendez, Information Technology Manager**

Background:
The District is operating two fifteen-year-old ultra-low volume (ULV) foggers. The software used to control the foggers and record chemical usage is no longer supported. Foggers are a crucial factor in reducing vectors of diseases such as the West Nile virus and Saint Louis Encephalitis in the residential and agricultural areas. Maintaining a proactive Integrated Vector Management Program (IVM) requires up-to-date software and mechanically-sound equipment to operate.

The Guardian ULV Foggers are equipped with an easy to use handheld remote with a mountable tablet displaying the fogging route. The software used to control and record the fogging route is a cloud-based subscription providing automatic updates, enhancements, and reporting.

Acquiring two new adulticide foggers will allow the District to renew its aging fleet of fogging equipment, expand its abilities to treat both residential and rural mosquito sources, and reduce the risk of mosquito-borne disease to the public.

The Budget for FY202-21 was approved authorizing the purchase of new control equipment.

QTY	Item	Unit Cost	Totals
2	Guardian 190G4	$16,291.30	$32,582.60
2	Sales Tax	$1,425.49	$2,850.98
	Total		$35,433.58

Staff Recommendation:
To approve the purchase of two Guardian Ultra Low Volume (ULV) Foggers from ADAPCO in an amount not to exceed $40,000 from fund 8415.13.300.000

Fiscal Impact:			
FY2020-21 Budget GL # 8415.13.300.000	Current Available Funds	Proposed Expense Fiscal Year 2020/21	Remaining Available Funds
$71,786	**$47,289**	**$35,433.58**	**$11,855.42**