



Serving Public Health Since 1928

Coachella Valley Mosquito and Vector Control District

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

Board of Trustees Meeting

Tuesday, May 9, 2023

6:00 p.m.

AGENDA

The Board of Trustees will take action on all items on the agenda.

Materials related to an agenda item that are submitted to the Board of Trustees after distribution of the agenda packets are available for public inspection in the Clerk of the Board's office during normal business hours and on the District's website.

This meeting will be conducted by video and/or teleconference as well as in person at the District office located at the address listed above. To view/listen/participate in the meeting live, please join by calling 1-888-475-4499 (toll-free), meeting ID: [849 5146 0406](https://us02web.zoom.us/j/84951460406), or click this link to join: <https://us02web.zoom.us/j/84951460406>.

Assistance for those with disabilities: If you have a disability and need an accommodation to participate in the meeting, please contact the Clerk of the Board at (760) 342-8287 at least 48 hours prior to the meeting to inform us of your needs and to determine if accommodation is feasible. The District will attempt to accommodate you in every reasonable manner.

Before entering the District's facilities, we request that you self-screen for COVID-19 symptoms. We want to work together to help limit the spread of COVID-19.

1. Call to Order – John Peña, President

A. Roll Call

2. Pledge of Allegiance

3. Confirmation of Agenda

4. Public Comments

Members of the public may provide comments in person or remotely at the time of the meeting as set forth in the agenda. Public comments may also be sent by E-mail to the Clerk of the Board by 1:30 p.m. on May 9, 2023, at mtallion@cvmosquito.org. E-mails received prior to 1:30 p.m. on the day of the Board meeting will be made part of the record and distributed to the Board. This method is encouraged as it gives the Board of Trustees the opportunity to reflect upon your input. E-mails will not be read at the meeting.

A. PUBLIC Comments — NON-AGENDA ITEMS: This time is for members of the public to address the Board of Trustees on items of general interest (a non-agenda item) within the subject matter jurisdiction of the District. The District values your comments; however, pursuant to the Brown Act, the Board cannot take action on items not listed on the posted Agenda. **Comments are limited to a total of three (3) minutes per speaker for non-agenda items.**

B. PUBLIC Comments — AGENDA ITEMS: This time is for members of the public to address the Board of Trustees on agenda items (Open and Closed Sessions). **Comments are limited to three (3) minutes per speaker per agenda item.**

All comments are to be directed to the Board of Trustees and shall be devoid of any personal attacks. Members of the public are expected to maintain a professional, courteous decorum during public comments.

5. Announcements, Presentations, and Written Communications

A. Board of Trustees Service Recognition Awards — John Peña, Board President

6. Items of General Consent

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

A. Minutes for March 14, 2023, Board Meeting (Pg. 7)

B. Approval of expenditures for March 9, 2023, to May 5, 2023 **(Pg. 11)**

C. Informational Items:

- Financials — **David l'Anson, Administrative Finance Manager (Pg. 15)**
- Important Budget Meeting Dates — **Finance Committee (Pg. 29)**
- Pacific Southwest Center of Excellence in Vector-Borne Diseases Annual Progress and Planning Meeting, April 5-7, 2023, Davis, CA — **Kim Hung, Vector Ecologist (Pg. 31)**
- Entomological Society of America (ESA) Pacific Branch, April 2-5, 2023, Seattle, WA — **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 31)**
- The 18th Arbovirus Surveillance and Mosquito Control Workshop in Conjunction with Equipment/Technology Demonstration, March 28-30, 2023, Seattle, WA — **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 32)**
- Liebert Cassidy Whitmore Conference, March 16-17, 2023, San Diego, CA. — **Grace Morales, Human Resources Specialist (Pg. 33)**
- 2023 Special District Risk Management Authority (SDRMA) Spring Education Day, March 22, 2023, Sacramento, CA — **Crystal Moreno, M.S., Human Resources Manager (Pg. 34)**
- Mosquito and Vector Control Association of California (MVCAC) Legislative Day and Spring Meetings, March 20-22, 2023 **(Pg. 35)**
- Mosquito and Vector Control Association of California (MVCAC) Bill Status Report as of 4/28/23 **(Pg. 48)**
- California Legislature Assembly Certificate of Recognition **(Pg. 58)**
- Riverside County Office of Education Certificate of Recognition **(Pg. 59)**

7. Business Session

A. Old Business

- i. Discussion and/or approval of Resolution 2023-06 Adopting Employee Pay Schedule, in conformance with California Code of Regulations, Title 2, Sections 570.5 and 571 — **Crystal Moreno, M.S. Human Resources Manager (Pg. 61)**

B. New Business

- i. Discussion regarding the Budget Workshop held before the Board meeting — **Clive Weightman, Treasurer, and Jeremy Wittie, M.S., CSDM, General Manager**
- ii. Discussion and/or approval of Resolution 2023-04 and adoption of the CVMVCD Invasive Mosquito Species Response Plan — **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 67)**

- iii. Discussion and/or approval of Resolution 2023-05 and adoption of the 2023 CVMVCD Mosquito-borne Virus Surveillance and Emergency Response Plan — **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 82)**
- iv. Discussion and/ or approval to amend the Slovak Baron Empey Murphy & Pinkney (SBEMP) Agreement — **Jeremy Wittie, M.S., CSDM, General Manager (Pg. 129)**

8. Committee and Trustee Reports

A. Executive Committee — John Peña, Board President

Executive Committee oral report and Executive Committee minutes from April 21, 2023 **(Pg. 150)**

B. Finance Committee — Clive Weightman, Board Treasurer

Finance Committee oral report and Finance Committee minutes from March 14, 2023, April 11, 2023, and May 2, 2023 **(Pg. 152)**

C. 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 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.

9. Reports

A. General Manager

- i. General Manager's Presentation

B. Staff

- i. Arbovirus Risk and Response Update (as necessary) — **Jennifer A. Henke, MS, Laboratory Manager, Edward Prendez, Interim Operations Manager, Tammy Gordon, MA, APR, MPIO, Public Information Manager**

C. General Counsel

Questions and/or comments from Trustees regarding the reports

10. Closed Session

Closed Session (s): None

11. 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.

.....
Certification of Posting

I certify that on May 5, 2023, 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 May 5, 2023

Melissa Tallion, Clerk of the Board



Serving Public Health Since 1928

ITEMS OF GENERAL CONSENT

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

**Board of Trustees Meeting
Minutes**

MEETING TIME: 6:00 p.m., Tuesday, March 14, 2023

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

TRUSTEES PRESENT

PRESIDENT: John Peña	La Quinta
VICE PRESIDENT: Benjamin Guitron	Indio
SECRETARY: Dr. Doug Kunz	Palm Springs
TREASURER: Clive Weightman	Indian Wells
Steve Downs	Rancho Mirage
Frank Figueroa	Coachella
Gary Gardner	Desert Hot Springs
Janell Percy	County at Large
Nancy Ross	Cathedral City
Doug Walker	Palm Desert

TRUSTEES ABSENT

Bito Larson	County at Large
-------------	-----------------

STAFF AND GENERAL COUNSEL PRESENT

Jeremy Wittie, General Manager
Lena D. Wade, Legal Counsel, SBEMP
Crystal Moreno, Human Resources Manager
David l'Anson, Administrative Finance Manager
Edward Prendez, Information Technology Manager
Jennifer Henke, Laboratory Manager
Tammy Gordon, Public Information Manager
Greg Alvarado, Operations Program Coordinator
Melissa Tallion, Executive Assistant/Clerk of the Board

Other staff members joined the meeting as well

PRESENTERS PRESENT

Chris Palmer, Senior Public Affairs Field Coordinator, California Special Districts Association (CSDA)

MEMBERS OF THE PUBLIC PRESENT

Yes

1. Call to Order

President Peña called the meeting to order at 6:02 p.m.

A. Roll Call

At roll call ten (10) of the eleven (11) Trustees were present.

2. Pledge of Allegiance

President Peña led the Pledge of Allegiance.

3. Confirmation of Agenda

President Peña inquired if there were any agenda items to be shifted. Upon no objections by the Board of Trustees, the agenda was confirmed.

4. Public Comments

None

5. Announcements, Presentations, and Written Communications

- A. Special District Leadership Foundation-District Transparency Certificate of Excellence — **Chris Palmer, Senior Public Affairs Field Coordinator, California Special Districts Association (CSDA)**

Chris Palmer introduced this agenda item, provided a summary, and presented the Board and District with the Special District Leadership Foundation-District Transparency Certificate of Excellence.

6. Items of General Consent

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

- A. Minutes for February 14, 2023, Board Meeting

- B. Approval of expenditures for February 9, 2023, to March 8, 2023

- C. Informational Items:

- Financials — **David I'Anson, Administrative Finance Manager**
- Important Budget Meeting Dates — **Finance Committee**
- Correspondence
- Approval of Proclamation designating the week of April 16-22, 2023, as Mosquito Awareness Week — **Tammy Gordon, M.A. APR, Public Information Manager**
- National Pollutant Discharge Elimination System (NPDES) Annual Reports — **Jennifer A. Henke, M.S., Laboratory Manager**
- EPA Pesticide Environmental Stewardship Program (PESP) — **Jennifer A. Henke, M.S., Laboratory Manager**
- California Environmental Quality Act (CEQA) Mitigated Negative Declaration Annual Compliance Report — **Jennifer A. Henke, M.S., Laboratory Manager**

- Quarterly Department Reports: Human Resources; Operations; Information Technology; Fleet Services; Laboratory & Surveillance Control; and Public Outreach
- District Travel and/or Workshops
- American Mosquito Control Association (AMCA) Annual Conference, February 27-March 3, 2023, Reno, NV
- 2023 Special District Selection Committee (SDSC) Election Nominee Update
- Special District Leadership Academy (SDLA), February 27-March 1, 2023, La Quinta, CA

On a motion from Trustee Gardner, seconded by Trustee Guitron, and passed by the following votes, the Board of Trustees approved all items of General Consent.

Ayes: President Peña, Trustees Downs, Figueroa, Gardner, Guitron, Kunz, Percy, Ross, Walker, Weightman

Abstained: None

Noes: None

Absent: Trustee Larson

7. Business Session

A. Old Business

None

B. New Business

None

8. Committee and Trustee Reports

A. Executive Committee

President Peña stated that the Executive Committee meeting scheduled for March 3, 2023, was canceled.

B. Finance Committee

Treasurer Weightman presented the cash flow chart and provided an overview. Treasurer Weightman stated that the Finance Committee met on March 14, 2023, at 4:30 p.m. and reviewed the Districts Check Report, CalCard Monthly Statement, and reviewed the February 2023 Financials. All questions by the Finance Committee were answered to the satisfaction of the Committee. The District shows a net favorable variance of about \$700k.

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

Trustee Figueroa reminded President Peña about the upcoming LAFCO nominations. The Board entered into a discussion. The Trustees provided their recommendations. The Board came to a consensus to let President Peña vote on behalf of the Board of Trustees.

9. Reports

A. General Manager

Jeremy Wittie gave a presentation and update. Jeremy provided the Board with an update from the American Mosquito Control Association (AMCA) annual conference including the Gonzalo Valadez, winner of the Boyd-Ariaz Grass Roots Award which recognizes non-supervisory Field staff, the upcoming Mosquito and Vector Control Association (MVCAC) Legislative, and Spring meeting. Jeremy also provided an update on the Strategic Plan Work Projects from 2022 and 2023 which included some building and land project updates. Jeremy answered questions from the Trustees.

B. Staff

None

C. General Counsel

None

10. Closed Session

None

11. Adjournment

President Peña adjourned the meeting at 7:04 p.m.

John Peña
President

Dr. Doug Kunz
Secretary

Coachella Valley Mosquito and Vector Control District

Checks Issued for the Period of:

March 9 - April 20 , 2023

Check No	Payable To	Description	Check Amount	Total Amount
	Payroll Disbursement	March 17, 2023	233,067.63	
	Payroll Disbursement	March 30, 2023	218,072.47	
	Payroll Disbursement	April 14, 2023	233,042.20	
				684,182.30
Pre-Approved Expenditures Utilities/Benefits:				
44504	CalPERS - Retirement Acct	Retirement Contributions: 03/03/2023PP	34,916.23	
44505	MissionSquare (Plan# 302318)	Deferred Compensation: 03/03/2023PP	12,273.17	
44522	Burrtec Waste & Recycling Svcs.	Utilites	454.56	
44523	CalPERS Healthcare Acct	Cafeteria Plan	93,259.49	
44524	Imperial Irrigation District	Utilities	1,475.28	
44525	Imperial Irrigation Dist-Lab Acct	Utilities	3,804.66	
44526	Indio Water Authority	Utilities	961.04	
44527	Principal Life Insurance Co.	Cafeteria Plan	26,739.18	
44528	Verizon Business	Utilities	1,685.21	
44565	CalPERS - Retirement Acct	Retirement Contributions 03/17, 03/30, 04/14/2023, 03-31 Longevity	101,868.38	
		Corrections		
44566	MissionSquare (Plan# 302318)	Deferred Compensation Contributions 03/17, 03/30, 04/14/2023PP	36,951.20	
44567	SoCalGas	Utilities	409.11	
				314,797.51
Pre-Approved Expenditures less than \$10,000.00:				
44506	Airgas USA, LLC	Lab Supplies	658.74	
44507	Association Reserves - Inland Empire, LLC	Reserve Study Update	1,000.00	
44509	Cintas Corporation #3	Uniform Expense	3,223.22	
44510	Desert Air Conditioning	Repair & Maintenance	5,884.00	
44511	Frontier Communications-Internet	Contract Services	445.98	
44512	Frontier Communications-Toll/POTS	Contract Services	199.14	
44513	Garcia Plumbing Co.	Repair & Maintenance	1,070.00	
44514	Tammy Gordon	MVCAC Conference Expense	160.00	
44515	High Tech Irrigation, Inc.	Repair & Maintenance	161.41	
44516	Inova Holding III, LLC dba Inova Payroll of Southern CA LLC	HRIS Services for: February 2023	482.00	
44517	Marlin Leasing Corporation	Contract Services	705.79	
44518	Crystal Moreno	Tuition Reimbursement	2,380.00	
44519	Rivco Mechanical Services, Inc.	Repair & Maintenance	2,024.57	
44520	Veolia ES Technical Solutions, LLC	Lab Supplies and Expense	117.92	
44521	Slovak Baron Empey Murphey & Pinkney LLP	Attorney Fees	8,000.00	
44529	Abila	Cloud Computing Services	1,817.64	
44530	Advance Imaging Systems	Contract Services	522.58	
44531	Airgas USA, LLC	Lab Supplies	1,293.84	
44532	Gregorio Alvarado	Conference Expense	146.72	
44533	Coachella Valley Compost Facility	Repair & Maintenance	31.05	
44535	Cintas Corporation #3	Uniform Exoense	3,281.14	
44536	CleanExcel	Janitorial Services	3,811.00	
44537	Desert Air Conditioning	Repair& Maintenance	189.00	
44538	Desert Alarm, Inc.	Repair & Maintenance	190.00	
44539	Desert Fire Extinguisher Co., Inc.	Repair & Maintenance	2,478.03	
44541	Frontier Communications-Internet	Contract Services	455.97	
44542	Frontier Communications-Toll/POTS	Contract Services	214.44	
44543	Ryan Gonzalez	MVCAC Annual Conference	266.95	
44544	Holt Architects, Inc.	Architectural Services	9,200.00	
44545	Hypertec USA Inc	Cloud Computing Services	30.62	
44546	Indio Emergency Medical Group	Physician Fees	310.00	
44547	Jernigan's Sporting Goods, Inc.	Uniform Expense	373.99	
44548	Kwik Kleen Of The Desert	Offsite Vehicle Maintenance & Repair	330.00	
44549	Izzy Motors Inc. dba La Quinta Chevrolet	Vehicle Parts & Supplies	1,344.59	
44550	Linde Gas & Equipment Inc.	Cylinder Rentals	125.59	
44551	Mowers Plus	Repair & Maintenance	183.85	
44552	Pitney Bowes Global Financial Services LLC	Contract Services	310.82	
44553	Pitney Bowes Purchase Power	Contract Services	550.89	
44555	Slovak Baron Empey Murphey & Pinkney LLP	Abatement Warrant	5,899.20	
44556	SC Commercial LLC dba SC Fuels	Motor, Fuel, Oil	7,986.16	
44557	Veolia ES Technical Solutions, LLC	Lab Supplies and Expense	353.31	
44558	Tender Corp	Promotion & Education	4,401.54	
44560	Vector-Borne Disease Account	State Required CEU	312.00	
44561	Verizon Wireless	IT Communications	3,056.91	
44562	VISUAL LEASE LLC	GASB 87/96 Compliance Software	7,500.00	
44563	Waxie Sanitary Supply	Repair & Maintenance	37.60	
44564	Vector-Borne Disease Account	State Required CEU	5.00	
44569	CHIEF SERVICES, INC.	Capital Outlay	4,263.00	
44571	CHIEF SERVICES, INC.	Capital Outlay	2,988.00	
44572	Cove Electric, Inc.	Repair & Maintenance	681.67	
44573	Darwin Chambers	Environmental Chamber preventative mainteance	6,694.07	
44574	Employee Relations Inc.	Recruitment/Advertising	248.05	
44575	Inova Holding III, LLC dba Inova Payroll of Southern CA LLC	HRIS Services for: March 2023	470.86	
44576	Johnson Controls, Inc.	Repair & Maintenance	1,607.00	
44577	Marlin Leasing Corporation	Contract Services	691.19	
				101,167.04
Cash - California Bank & Trust Checking				
Cash - California Bank & Trust Checking				
44540	Dudek & Associates	Civil Engineering - Parcel Project	11,577.50	
44554	Salton Sea Air Service	Aerial Larvicide Rural	19,976.70	
44559	Shade Structures, Inc. dba USA Shade & Fabric Structures	Repair & Maintenance - Facility Capital Replacement	98,553.82	
44568	Blue Violet Networks LLC	Capital Replacement	51,115.78	
44570	CHIEF SERVICES, INC.	Capital Outlay	56,762.00	
44578	RadSource	Capital Outlay - SIT Insectary	84,516.46	
44579	U.S. Bank	Calcard	58,911.52	
				381,413.78
Cash - California Bank & Trust Check Run Total to be Approved				

Coachella Valley Mosquito and Vector Control District

Checks Issued for the Period of:

March 9 - April 20 , 2023

<u>Check No</u>	<u>Payable To</u>	<u>Description</u>	<u>Check Amount</u>	<u>Total Amount</u>
Total Expenditures: March 9 - April 20, 2023				1,481,560.63
<hr/> John Pena, President		<hr/> Clive Weightman, Treasurer		

Coachella Valley Mosquito and Vector Control District

Checks Issued for the Period of:

April 20 - May 5 , 2023

Check No	Payable To	Description	Check Amount	Total Amount
	Payroll Disbursement	April 28, 2023	219,458.44	219,458.44
Pre-Approved Expenditures Utilities/Benefits:				
44580	Burrtec Waste & Recycling Svcs.	Waste Disposal Service May 2023	454.56	
44581	CalPERS Healthcare Acct	Healthcare May 2023	95,968.03	
44582	Frontier Communications-Internet	District Internet Service	445.98	
44583	Frontier Communications-Toll/POTS	District Landline Service	208.75	
44584	Indio Water Authority	District Water Service	807.85	
44585	Principal Life Insurance Co.	District Life/Dental Insurance May 2023	14,095.22	
44586	SoCalGas	District Natural Gas Service	209.81	
				112,190.20
Pre-Approved Expenditures less than \$10,000.00:				
44588	Abila	Cloud Computing Services	943.78	
44589	Advance Imaging Systems	Contract Services	527.03	
44590	Airgas USA, LLC	Lab Supplies	2,009.77	
44591	Allen Wayne, LTD	Reproduction and Printing	1,101.00	
44592	Alpha Media LLC	Advertising	5,000.00	
44593	Association Reserves - Inland Empire, LLC	Reserve Study Update	1,000.00	
44594	CarQuest Auto Parts	Vehicle Parts & Supplies	561.68	
44595	CleanExcel	Janitorial Services	4,192.00	
44596	C&R Wellness Works LLC dba Wellness Works	Employee Assistance Services	292.50	
44597	CSI Ceja Security International	Security Patrol Services	1,547.00	
44598	Del Valle Informador Inc.	Advertising	2,420.00	
44599	Desert Fire Extinguisher Co., Inc.	Repair & Maintenance	1,335.19	
44600	Eisenhower Occupational Health Serv	Physician Fees	55.00	
44601	Employee Relations Inc.	Recruitment/Advertising	252.40	
44602	Equipment Direct, Inc.	Safety Expense	432.38	
44603	Ewing Irrigation	Repair & Maintenance	2.31	
44604	Gulf California Broadcast Company	Advertising	8,000.00	
44605	Hawk Designs	Repair & Maintenance	100.00	
44607	Indio Emergency Medical Group	Physician Fees	220.00	
44608	Inland Power Equipment Co.	Capital Outlay	9,951.41	
44609	Inova Holding III, LLC dba Inova Payroll of Southern CA LLC	HRIS Services for: April 2023	482.00	
44610	Jernigan's Sporting Goods, Inc.	Safety Expense	825.35	
44611	KGAY/Gay Desert Guide	Advertising	3,012.00	
44612	Marlin Leasing Corporation	Contract Services	800.95	
44613	Graciela Morales	Professional Development	3,021.98	
44614	Pentair Aquatic Eco-Systems, Inc.	Equipment Parts & Supplies	361.88	
44615	Quench USA Inc.	Employee Support	106.60	
44616	Refrigeration Supplies Distributor	Repair & Maintenance	271.23	
44617	RM Broadcasting LLC	Advertising	5,000.00	
44618	SC Commercial LLC dba SC Fuels	Motor, Fuel, Oil	6,687.27	
44619	Veolia ES Technical Solutions, LLC	Lab Supplies and Expense	588.95	
44620	The Regents of U.C.	Surveillance, Internal PCR	441.00	
44621	Valley Lock & Safe	Repair & Maintenance	928.44	
44622	Verizon Business	Utilities	1,646.64	
44623	Verizon Wireless	District Cell Phone	3,165.33	
44624	Waxie Sanitary Supply	Repair & Maintenance	305.63	
Cash - California Bank & Trust Checking				67,588.70
Cash - California Bank & Trust Checking				
44587	U.S. Bank	Calcard 4/22 Statement	100,021.50	
44606	Hypertec USA Inc	Cloud Computing Services	37,833.68	
Cash - California Bank & Trust Check Run Total to be Approved				137,855.18
Total Expenditures: April 20 - May 5, 2023				537,092.52

John Pena, President

Clive Weightman, Treasurer



Serving Public Health Since 1928

FINANCE REPORTS

Coachella Valley Mosquito and Vector Control District
FINANCES AT A GLANCE
ALL FUNDS COMBINED
For the Month Ended April 30, 2023

	Beginning of the Month	Change During the Month	End of the Month
INVESTMENTS	13,768,874	(732,861)	13,036,013
CASH	(216,701)	367,330	150,629
INVESTMENTS & CASH	13,552,173	(365,531)	13,186,642
CURRENT ASSETS	1,758,518	(78,188)	1,680,330
FIXED ASSETS	9,286,644	-	9,286,644
OTHER ASSETS	7,564,490	-	7,564,490
TOTAL ASSETS	32,161,826	(443,719)	31,718,107
TOTAL LIABILITIES	3,594,260	66,535	3,660,795
TOTAL DISTRICT EQUITY	28,567,566	(510,254)	28,057,312
TOTAL LIABILITIES & EQUITY	32,161,826	(443,719)	31,718,107
RECEIPTS			
		\$ 498,810	
CASH DISBURSEMENTS			
Payroll	\$ 452,501		
General Admin	\$ 408,616		
Total Cash Disbursements		\$ (861,116)	
NON-CASH ENTRIES:			
Accrual Modifications -		\$ (81,413)	
Changes in A/P, A/R & Pre-paid insurance		_____	
Change during Month - Excess of Cash over Receipts & Non-Cash Adjustments		\$ (443,719)	

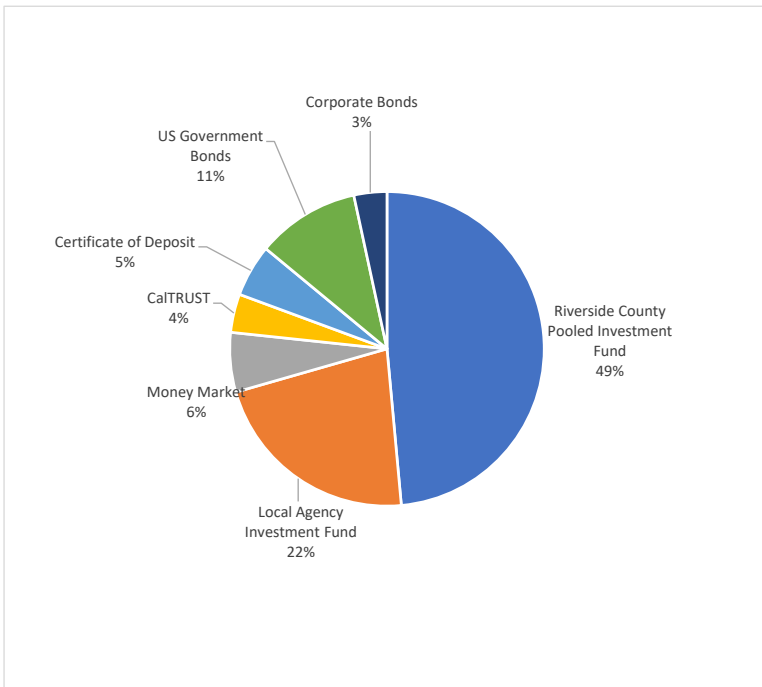
CVMVCD
Cash Journal - deposits
From 4/1/2023 Through 4/30/2023

Effective ...	Transaction Description	Deposits	Payee/Recipient Name
4/14/2023	LAIF Interest	19,269.92	Local Agency Investment Fund
4/28/2023	Virus Testing	1,272.00	Riverside County Department of Environmental Health
4/30/2023	April Receipts	229.48	California Bank & Trust
4/30/2023	April Receipts	454,601.12	Riverside County
4/30/2023	April Receipts - RDV Asset Dist	4,786.98	Riverside County
4/30/2023	April Receipts - refund	841.47	US Treasury
4/30/2023	April Receipts - VCJPA Refund	9,480.00	Vector Control Joint Powers Agency
4/30/2023	April receipts Pass Thru Revenue	<u>8,328.74</u>	Riverside County
Report Total		<u><u>498,809.71</u></u>	

**COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT
INVESTMENT FUND BALANCES AS OF APRIL 30, 2023**

INSTITUTION	IDENTIFICATION	Issue Date	Maturity Date	YIELD	General Fund	Thermal Capital Fund	Capital Equipment Replacement Fund	Capital Facility Replacement Fund	Capital Project Insectory Fund	BALANCE
LAIF	Common Investments			2.87%	2,139,569	37,481	33,860	432,043	235,423	\$ 2,878,376
Riverside County	Funds 51105 & 51115			3.48%	4,716,876	82,630	74,648	952,479	519,013	\$ 6,345,646
CalTRUST	Medium Term Fund			2.53%	383,912	6,725	6,076	77,523	42,243	\$ 516,480
CA Bank & Trust	Market Rate			0.15%	594,145	10,408	9,403	119,976	65,376	\$ 799,307
Pershing	Market Rate			0.00%	537	9	9	109	59	\$ 723
ALL IN American Cred	Certificate of Deposit	1/18/2023	1/19/2027	4.55%			59,760	189,240		\$ 249,000
Austin Telco	Certificate of Deposit	1/27/2023	1/27/2028	4.75%			54,480	172,520		\$ 227,000
Alaska USA Fed Cr	Certificate of Deposit	3/8/2023	3/8/2028	4.60%		37,736	45,057	142,681		\$ 225,474
Federal Home Ln	US Government Bonds	11/24/2020	11/24/2025	0.63%			166,936	528,629		\$ 695,565
Federal Natl Mtg Assn	US Government Bonds	11/25/2020	11/25/2025	0.63%			166,009	525,694		\$ 691,703
Bank Amer Corp	Corporate Bonds	11/25/2020	11/25/2025	0.65%			106,360	336,805		\$ 443,165
Total Investments					7,835,038	174,989	722,596	3,477,700	862,114	\$ 13,072,438

**PORTFOLIO COMPOSITION AS OF APRIL 30, 2023
WEIGHTED YIELD 2.77%**



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

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

Respectfully submitted

NOTED AND APPROVED

CVMVCD
Statement of Revenue and Expenditures
April 30, 2023

				YTD	Current		Current	Annual	Percent	
	Annual			Budget	Period	Current	Period	Budget	Annual	
	Budget	YTD Budget	YTD Actual	Variance	Budget	Period Actual	Variance	Variance	Budget	
Revenues										
4000	Property Tax - Current Secured	4,438,762	2,806,817	3,015,280	208,463	425,227	454,601	29,374	(1,423,482)	(32)%
4010	Property Tax - Curr. Supplmntl	31,172	0	72,897	72,897	0	0	0	41,725	134 %
4020	Property Tax - Curr. Unsecured	199,247	193,369	194,244	875	0	0	0	(5,003)	(3)%
4030	Homeowners Tax Relief	36,924	31,328	18,341	(12,986)	12,866	0	(12,866)	(18,583)	(50)%
4070	Property Tax - Prior Supp.	53,097	0	39,888	39,888	0	0	0	(13,209)	(25)%
4080	Property Tax - Prior Unsecured	9,069	0	0	0	0	0	0	(9,069)	(100)%
4090	Redevelopment Pass-Thru	6,305,008	3,152,504	3,448,979	296,475	0	13,116	13,116	(2,856,029)	(45)%
4520	Interest Income - LAIF/CDs	42,000	31,500	66,508	35,008	0	229	229	24,508	58 %
4530	Other Miscellaneous Receipts	63,000	52,500	22,569	(29,931)	5,250	841	(4,409)	(40,431)	(64)%
4551	Benefit Assessment Income	2,299,810	1,228,967	1,284,600	55,633	0	0	0	(1,015,210)	(44)%
	Total Revenues	13,478,089	7,496,985	8,163,308	666,323	443,343	468,788	25,445	(5,314,781)	(39)%
Expenditures										
Payroll Expenses										
5101	Payroll - FT	5,910,271	4,925,226	4,817,829	107,397	492,523	451,463	41,060	1,092,442	18 %
5102	Payroll Seasonal	142,020	121,020	53,814	67,206	10,500	0	10,500	88,206	62 %
5103	Temporary Services	6,900	0	0	0	0	0	0	6,900	100 %
5105	Payroll - Overtime Expense	34,120	25,100	25,277	(177)	2,510	1,073	1,437	8,843	26 %
5150	CalPERS State Retirement	752,856	659,051	617,019	42,032	46,903	77,045	(30,142)	135,837	18 %
5155	Social Security Expense	360,143	300,285	306,279	(5,994)	29,929	28,813	1,116	53,864	15 %
5165	Medicare Expense	84,227	70,228	73,027	(2,799)	7,000	6,739	261	11,200	13 %
5170	Cafeteria Plan	1,263,700	1,053,084	1,036,267	16,816	105,308	2,967	102,341	227,433	19 %
5172	Retiree Healthcare	392,420	327,017	314,878	12,138	32,702	26,035	6,667	77,542	20 %
5180	Deferred Compensation	121,857	101,548	87,491	14,057	10,155	21,027	(10,872)	34,366	28 %
5195	Unemployment Insurance	32,066	26,734	24,681	2,053	2,666	228	2,438	7,386	23 %
	Total Payroll Expenses	9,100,581	7,609,291	7,356,562	252,729	740,195	615,389	124,806	1,744,019	19 %

CVMVCD
Statement of Revenue and Expenditures
April 30, 2023

		Annual	YTD	YTD	Current	Current	Current	Annual	Percent	
		Budget	Budget	Actual	Budget	Period	Period	Budget	Annual	
					Variance	Budget	Actual	Variance	Budget	
Administrative Expenses										
5250	Tuition Reimbursement	20,000	16,667	8,803	7,863	1,667	0	1,667	11,197	56 %
5300	Employee Incentive	15,500	12,917	5,114	7,803	1,292	447	844	10,386	67 %
5302	Wellness	5,600	4,667	293	4,374	467	0	467	5,307	95 %
5305	Employee Assistance Program	4,000	3,333	2,750	584	333	0	333	1,251	31 %
6000	Property & Liability Insurance	193,570	157,975	204,437	(46,462)	17,798	20,702	(2,905)	(10,867)	(6)%
6001	Workers' Compensation Insurance	206,753	159,794	147,747	12,048	23,479	20,071	3,408	59,006	29 %
6050	Dues & Memberships	43,495	37,681	34,763	2,918	550	75	475	8,732	20 %
6060	Reproduction & Printing	27,360	22,800	20,264	2,536	2,280	2,632	(352)	7,096	26 %
6065	Recruitment/Advertising	7,500	6,250	5,091	1,159	625	248	377	2,409	32 %
6070	Office Supplies	21,121	17,601	9,528	8,073	1,760	276	1,484	11,593	55 %
6075	Postage	5,750	4,792	2,199	2,593	479	694	(215)	3,551	62 %
6080	Computer & Network Systems	8,199	6,833	2,091	4,741	683	538	145	6,108	74 %
6085	Bank Service Charges	250	208	141	67	21	0	21	109	43 %
6090	Local Agency Formation Comm.	2,400	2,000	2,541	(541)	200	0	200	(141)	(6)%
6095	Professional Fees	45,100	37,583	45,442	(7,858)	3,758	753	3,005	(342)	(1)%
6100	Attorney Fees	68,000	56,667	43,678	12,989	5,667	0	5,667	24,322	36 %
6105	Legal Services / Filing Fees	1,000	833	0	833	83	0	83	1,000	100 %
6106	HR Risk Management	4,500	4,500	7,819	(3,319)	0	0	0	(3,319)	(74)%
6110	Conference Expense	54,335	50,668	23,446	27,223	2,633	318	2,316	30,889	57 %
6115	In-Lieu	13,200	11,000	10,874	126	1,100	1,300	(200)	2,326	18 %
6120	Trustee Support	7,600	6,333	3,767	2,566	633	607	26	3,833	50 %
6200	Meetings Expense	7,010	6,175	2,112	4,063	2,418	363	2,055	4,898	70 %
6210	Promotion & Education	28,000	23,333	22,091	1,242	2,333	4,735	(2,401)	5,909	21 %
6220	Public Outreach Advertising	56,000	46,667	14,600	32,067	4,667	4,000	667	41,400	74 %
6500	Benefit Assessment Expenses	86,000	86,000	80,768	5,232	0	0	0	5,232	6 %
Total Administrative Expenses		932,243	783,277	700,356	82,921	74,926	57,760	17,166	231,887	25 %
Utilities										
6400	Utilities	114,383	95,319	92,448	2,871	9,532	409	9,123	21,935	19 %
6410	Telecommunications	1,824	1,520	1,719	(199)	152	0	152	105	6 %
Total Utilities		116,207	96,839	94,167	2,672	9,684	409	9,275	22,040	19 %

CVMVCD
Statement of Revenue and Expenditures
April 30, 2023

	Annual Budget	YTD Budget	YTD Actual	YTD Budget Variance	Current Period Budget	Current Period Actual	Current Period Variance	Annual Budget Variance	Annual Percent Budget
Operating									
7000 Uniform Expense	54,985	46,142	35,349	10,793	4,422	306	4,116	19,636	36 %
7050 Safety Expense	32,170	26,875	26,409	466	2,648	43	2,604	5,761	18 %
7100 Physican Fees	5,000	4,167	1,465	2,702	417	0	417	3,535	71 %
7150 IT Communications	56,500	47,083	47,908	(825)	4,708	93	4,616	8,592	15 %
7200 Household Supplies	3,000	2,500	2,250	250	250	329	(79)	750	25 %
7300 Repair & Maintenance	42,000	35,000	34,903	97	3,500	(7,826)	11,326	7,097	17 %
7310 Maintenance & Calibration	6,170	6,170	7,051	(881)	0	0	0	(881)	(14)%
7350 Permits, Licenses & Fees	6,427	5,901	6,096	(195)	263	0	263	331	5 %
7360 Software Licensing	31,335	31,335	15,776	15,559	22,155	0	22,155	15,559	50 %
7400 Vehicle Parts & Supplies	44,720	37,267	38,240	(973)	3,727	156	3,570	6,480	14 %
7420 Offsite Vehicle Maint & Repair	16,882	14,068	15,631	(1,563)	1,407	0	1,407	1,251	7 %
7450 Equipment Parts & Supplies	26,940	22,473	20,263	2,210	1,983	382	1,601	6,677	25 %
7500 Small Tools Furniture & Equip	4,700	3,917	1,274	2,643	392	0	392	3,426	73 %
7550 Lab Supplies & Expense	35,720	29,317	24,403	4,914	3,202	518	2,684	11,317	32 %
7570 Aerial Pool Surveillance	6,000	0	0	0	0	0	0	6,000	100 %
7575 Surveillance	72,510	67,875	80,426	(12,551)	2,318	9,167	(6,849)	(7,916)	(11)%
7600 Staff Training	85,700	73,308	51,569	21,739	6,196	2,244	3,952	34,131	40 %
7650 Equipment Rental	1,000	833	496	337	83	0	83	504	50 %
7675 Contract Services	164,827	142,931	121,513	21,418	17,153	36,681	(19,528)	43,314	26 %
7680 Cloud Computing Services	104,499	81,763	50,231	31,532	43,167	471	42,696	54,268	52 %
7700 Motor Fuel & Oils	130,300	108,583	92,017	16,566	10,858	6,687	4,171	38,283	29 %
7750 Field Supplies	14,600	12,167	5,141	7,026	1,217	1,952	(735)	9,459	65 %
7800 Control Products	573,616	559,870	502,058	57,812	34,779	7,055	27,723	71,557	12 %
7850 Aerial Applications	231,000	192,500	225,710	(33,210)	19,250	0	19,250	5,290	2 %
7860 Unmanned Aircraft Application Servic	40,000	33,333	561	32,773	3,333	0	3,333	39,439	99 %
8415 Capital Outlay	62,442	58,140	15,415	42,724	2,151	0	2,151	47,027	75 %
8510 Research Projects	150,000	122,898	136,050	(13,153)	13,559	16,873	(3,313)	13,950	9 %
9000 Contingency Expense	110,000	91,667	43,205	48,462	9,167	0	9,167	66,795	61 %
Total Operating	2,113,043	1,858,082	1,601,412	256,670	212,303	75,131	137,172	511,630	24 %

CVMVCD
Statement of Revenue and Expenditures
April 30, 2023

	Annual Budget	YTD Budget	YTD Actual	YTD Budget Variance	Current Period Budget	Current Period Actual	Current Period Variance	Annual Budget Variance	Percent Annual Budget
Contribution to Capital Reserves									
8900 Transfer to other funds	2,216,016	2,013,347	2,013,347	0	101,335	101,335	0	202,669	9 %
Total Contribution to Capital Reserves	2,216,016	2,013,347	2,013,347	0	101,335	101,335	0	202,669	9 %
Total Expenditures	14,478,089	12,360,835	11,765,844	594,991	1,138,443	850,024	288,419	2,712,245	19 %
Net revenue over/(under) expenditures	(1,000,000)	(4,863,850)	(3,602,536)	1,261,314	(695,100)	(381,236)	313,864		

CVMVCD
Balance Sheet
As of 4/30/2023

		Current Year
Assets		
Cash and Investments		
1000	Cash - Investments	13,036,012.77
1016	Petty Cash	500.00
1017	Petty Cash Checking	1,500.00
1035	CB&T General Checking	24,449.09
1036	CB&T Payroll Checking	127,404.68
	Total Cash and Investments	13,189,866.54
Current Assets		
1051	Lease Payments Receivable	11,227.54
1080	Interest Receivable	7,535.19
1085	Inventory	546,950.85
1167	Prepaid Research Proposals	134,980.34
1168	Prepaid Insurance	81,191.45
1169	Deposits	898,445.00
	Total Current Assets	1,680,330.37
Fixed Assets		
1201	Leased Copier Asset #1 Ops Copier	14,694.42
1202	Leased Copier Asset #2 Admin Copier	19,670.89
1300	Equipment/Vehicles	2,117,915.50
1310	Computer Equipment	566,629.49
1311	GIS Computer Systems	301,597.91
1320	Office Furniture & Equipment	1,307,594.90
1330	Land	417,873.30
1335	Oleander Building	5,665,861.83
1336	Signage	23,651.39
1340	Structures & Improvements	3,244,697.72
1341	Bio Control Building	6,923,882.74
1342	Bio Control Equip/Furn	43,986.77
1398	Amortization Leased Equipment	(32,179.65)
1399	Accumulated Depreciation	(11,329,232.93)

CVMVCD
Balance Sheet
As of 4/30/2023

		Current Year
	Total Fixed Assets	9,286,644.28
	Other Assets	
1520	Resources to Be Provided	3,514,102.32
1525	Deferred Outflows of Resources	2,842,951.00
1530	Deferred Outflows of Resources - OPEB	1,207,437.00
1900	Due to/from	0.12
	Total Other Assets	7,564,490.44
	Total Assets	31,721,331.63
	Liabilities	
	Short-term Liabilities	
	Accounts Payable	
2015	Credit Card Payable	85,888.11
2020	Accounts Payable	267,942.18
2030	Accrued Payroll	(5,314.42)
2040	Payroll Taxes Payable	396.30
2175	Claims/Judgements Payable	54.61
2185	Employee Dues	3,698.42
2402	Leased Copier Asset # 2	2,191.49
	Total Accounts Payable	354,856.69
	Total Short-term Liabilities	354,856.69
	Long-term Liabilities	
2100	Pollution Remediation Obligation	2,100,000.00
2200	Net Pension Liability	(750,483.00)
2210	Deferred Inflows of Resources	84,159.00
2230	Deferred Inflows - OPEB	880,545.00
2235	Deferred Inflow of Resources - Leases	15,436.75
2300	Net OPEB Liability	87,247.00
2500	Compensated Absences Payable	887,219.76
	Total Long-term Liabilities	3,304,124.51
	Total Liabilities	3,658,981.20

CVMVCD
Balance Sheet
As of 4/30/2023

		Current Year
	Fund Balance	
	Non Spendable Fund Balance	
3920	Investment in Fixed Assets	10,673,170.66
3945	Reserve for Prepaids & Deposit	1,041,259.68
3960	Reserve for Inventory	459,270.86
	Total Non Spendable Fund Balance	12,173,701.20
	Committed Fund Balance	
3965	Public Health Emergency	4,851,276.00
	Total Committed Fund Balance	4,851,276.00
	Assigned Fund Balance	
3910	Reserve for Operations	5,800,000.00
3925	Reserve for Future Healthcare Liabilities	453,746.00
3955	Thermal Remediation Fund	63,688.00
3970	Reserve for Equipment	726,018.00
3971	Reserve for Facility & Vehicle Replacement	2,659,312.00
	Total Assigned Fund Balance	9,702,764.00
	Unassigned Fund Balance	
3900	Fund Equity	(568,650.76)
3991	Prior Year Adjustment GASB87	20,909.82
3999	P&L Summary	4,005,097.29
	Total Unassigned Fund Balance	3,457,356.35
	Current YTD Net Income	(2,122,747.12)
	Total Current YTD Net Income	(2,122,747.12)
	Total Fund Balance	28,062,350.43
	Total Liabilities and Net Assets	31,721,331.63

FINANCE

The financial reports show the preliminary balance sheet, receipts, and revenue and expenditure reports for the month ending April 30, 2023. The revenue and expenditure report shows that the operating budget expenditure for July 1, 2022, to April 30, 2023, is \$11,765,844 total revenue is \$8,163,308 resulting in excess revenue over (under) expenditure for the year to April 30, 2023, of (\$3,602,536).

THREE YEAR FINANCIALS

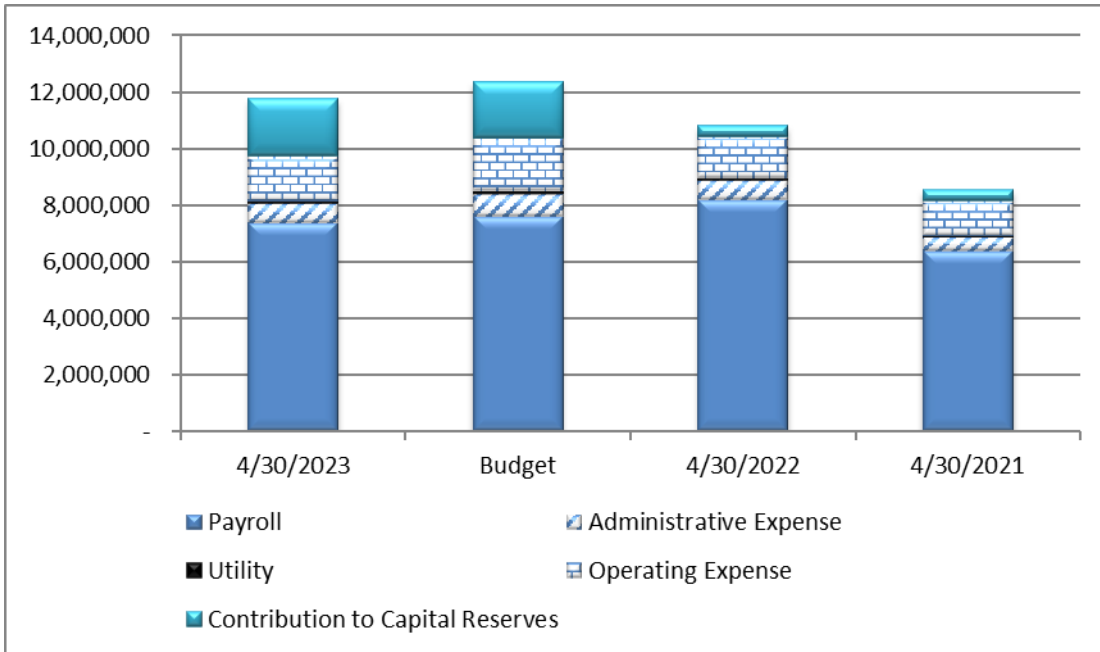


Figure 1 - Three Year Expenditure

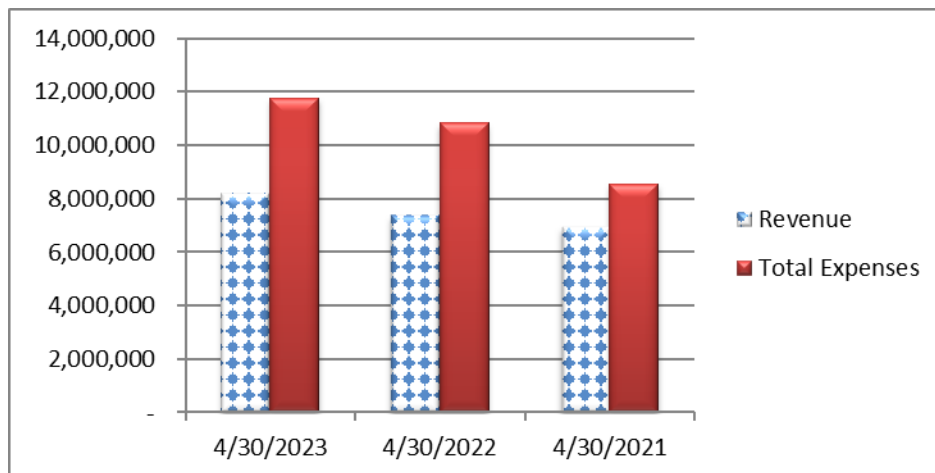


Figure 2 - Three Year Revenue & Expenditure

THREE-YEAR CASH BALANCE

Cash Balances	4/30/2023	4/30/2022	4/30/2021
Investment Balance	13,036,013	12,126,014	11,830,182
Checking Accounting	24,449	5,543	7,421
Payroll Account	127,405	159,613	129,627
Petty Cash	2,000	2,000	2,000
Total Cash Balances	13,189,867	12,293,170	11,969,229



Figure 3 - Cash Balances

DISTRICT INVESTMENT PORTFOLIO 4/30/2023

The District’s investment fund balance for the period ending April 30, 2023, is \$13,072,438. The portfolio composition is shown in the pie chart. Local Agency Investment Fund (LAIF) accounts for 22% of the District’s investments; the Riverside County Pooled Investment Fund is 49% of the total. The LAIF yield for the end of April was 2.87% and the Riverside County Pooled Investment Fund was 3.48% this gives an overall weighted yield for District investments of 2.77%.

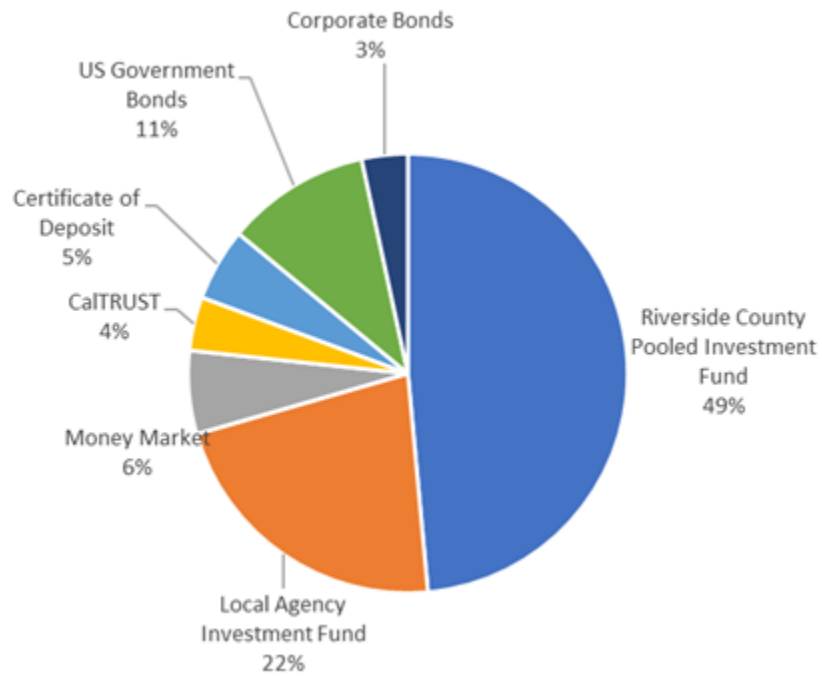


Figure 4 - Investment Portfolio 4/30/23

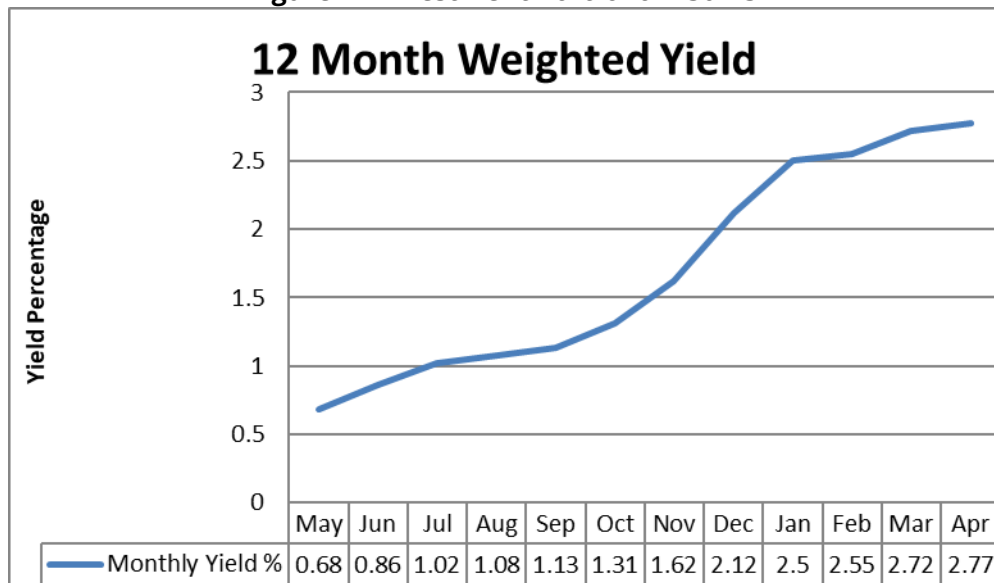
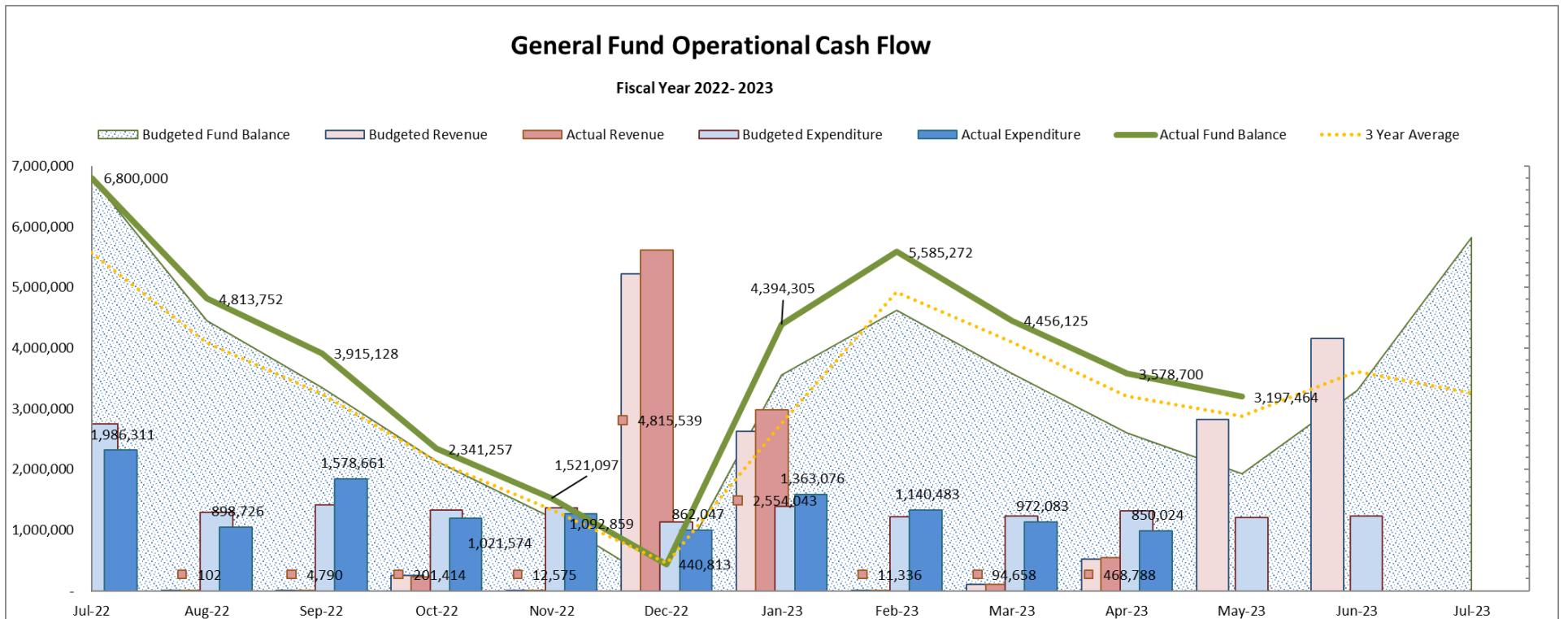


Figure 5 - District Investments Weighted Yield



The **General Fund Operational Cash Flow** graph outlines the District's working capital for the fiscal year July 1, 2022, to June 30, 2023. The beginning fund balance is \$6.8 million and the ending fund balance is \$5.8 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 \$0.3 million for CalPERS unfunded liability and the transfers to the capital reserves. The budget also accounts for prepayments. The revenue follows a different pattern, Riverside County distributes 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 *Three Year Average* Fund Balance is the orange dash line.

The graph shows a \$6.8 million **Fund Balance** plus total Revenue for July 1 to April 30, 2023, of \$8,163,308 minus total Expenses of \$11,765,844 is \$3,197,464. Revenue shows a favorable variance of \$666,323, Tax Increment and Property Tax Current Secured are higher than budgeted, investment income is also coming in higher than budget. Payroll expenses show a favorable variance of \$252,729, this is due to timing, Administrative Expenses show favorable variance of \$82,921, main item is public outreach which will be expensed by June 30. For planning purposes, the District expenses are under budget by \$594,991 and revenue is over budget by \$666,323 giving a favorable variance of \$1,261,314. As long as the green line stays out of the shaded area the District is within budget, as of April 30, 2023, the line is outside the shaded area.



**Coachella Valley Mosquito
and Vector Control District**

May 9, 2023

Staff Report

Agenda Item: Informational Item

Important Budget Meeting Dates – **Finance Committee**

Background:

The Finance Committee and staff have scheduled the following meetings in preparation for the development of FY 2023-24 Budget. Please mark your calendars. We hope you can join us at these meetings as your input is very important.

- ~~Tuesday, April 11, 2023 – Finance Committee Meeting 1:00 p.m. to 2:30 p.m. to discuss Budget draft #1~~
- ~~Tuesday, May 2, 2023 – Finance Committee Meeting 1:00 p.m. to 3:00 p.m. to review the final Budget draft~~
- Tuesday, May 9, 2023 - Budget workshop with Board 4:30 p.m. to 5:30 p.m. (*Regular Finance Committee meeting: 3:30 p.m. to 4:30 p.m.*)
- Tuesday, June 13, 2023 - Regular Board meeting – Approval of FY 2023-24 Budget
- Tuesday, July 11, 2023 – Regular Board meeting and Public Hearing – Adopt Resolution approving Engineer’s Report, Confirming Diagram and Assessment, and Ordering the Levy of Assessments for fiscal year 2023-24



Serving Public Health Since 1928

Coachella Valley Mosquito and Vector Control District

Staff Report

May 9, 2023

Agenda Item: Informational Item

Staff report from: Pacific Southwest Center of Excellence in Vector-Borne Diseases Annual Progress and Planning Meeting, April 5-7, 2023, Davis, CA

Report:

In 2017, the Centers for Disease Control and Prevention (CDC) established five universities as regional centers of excellence to prevent and rapidly respond to emerging vector-borne diseases across the United States. The Pacific Southwest Center of Excellence in Vector-Borne Diseases (COE) is a joint venture of several universities in the western United States, where researchers address public health challenges using cutting-edge research in surveillance, vector control, genetics, epidemiology, and effective insecticide development. This year was the start of a new 5-year funding cycle where they aim to address mosquito and tick prevention and suppression; training a new generation of public health entomologists; and strengthen collaboration between the academic community and local public health organizations. The COE holds an annual meeting, where researchers meet with CDC officials and vector control professionals to discuss accomplishments and plan for the coming year. This year, attendees reflected on the active West Nile virus season in Arizona and its impacts on Utah and Nevada surveillance. Another discussion point was the detection and response to the locally acquired Dengue case in Arizona last year.

The District has had an active role in providing material and working with several of the researchers on projects that benefit the residents of the Coachella Valley, as well as southwestern U.S. Crystal Hepp, Ph.D., presented her work on West Nile virus surveillance in the Southwest, which suggested the virus was moving from Maricopa County, as the source, to the Coachella Valley. Eric Moyung, working with Tara Thiemann, Ph.D., presented his work on knockdown resistance mutations which highlighted mosquitoes from Coachella Valley. Dr. Olivia Winokur presented her current work on developing training videos for vector control in collaboration with the MVCAC Laboratory Technologies committee, which Kim Hung, Ph.D. chairs.

ATTENDEES:

Kim Hung, Vector Ecologist



Serving Public Health Since 1928

Coachella Valley Mosquito and Vector Control District

Staff Report

May 9, 2023

Agenda Item: Informational Item

Entomological Society of America (ESA) ESA Pacific Branch, April 2-5, 2023, Seattle, WA —
Jennifer A. Henke, M.S., Laboratory Manager


Report:

The Pacific Branch of the Entomological Society of America Annual Conference provides an opportunity for researchers of insects from the western states of the U.S. to meet to discuss their latest research on a variety of topics. This year was the first that the meeting was held as a hybrid, and a variety of symposia were held on invasive insects, insecticide resistance, forensic entomology, and data modeling for ecological systems.

I presented a review of mosquito resistance to pesticides in the US. Presentations on pesticide resistance and efficacy were particularly interesting, as was the focus on work that was transnational. There was an organized symposium on forensic entomology, where the speakers highlighted how little work has been completed in the western US. In my role as President-Elect to ESA, I participated in a session to encourage applicants to the Public Health Entomology for All program, highlighting the work we do as mosquito control districts to protect public health.

Attendees:

Jennifer A. Henke, Laboratory Manager

 <p><i>Serving Public Health Since 1928</i></p>	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>May 9, 2023</p>
<p>Agenda Item: Informational Item</p> <p>The 18th Arbovirus Surveillance and Mosquito Control Workshop in Conjunction with Equipment/Technology Demonstration, March 28-30, 2023, Seattle, WA — Jennifer A. Henke, M.S., Laboratory Manager</p>		
<p>Report:</p> <p>I was invited by Dr. Rudy Xue, General Manager of the Anastasia Mosquito Control District and current Vice President of the American Mosquito Control Association, to present at AMCD's annual workshop. The meeting began with a celebration for the opening of their Disease Vector Education Center. AMCD is also in progress on building an SIT insectary facility, expected to open in June.</p> <p>The workshop included a variety of speakers highlighting recent research and reviews of work over previous years. Topics generally focused on mosquito control in Florida, though there were also presentations on flies and ticks. The demonstration included the use of drones (UAS), new handheld sprayers, analysis of droplets for equipment calibration, and setting of wireless systems for weather information. I was also able to tour AMCD, asking questions of how they designed their SIT insectary as well as other buildings they have designed for their use.</p> <p>I presented work that our District has completed using applications of larvicide over large areas for the control of <i>Aedes aegypti</i> mosquitoes, highlighting what we have learned over the past few years of completing this work annually.</p> <p>Attendees: Jennifer A. Henke, Laboratory Manager</p>		



Serving Public Health Since 1928

Coachella Valley Mosquito and Vector Control District

Staff Report

May 9, 2023

Agenda Item: Informational Item

Liebert Cassidy Whitmore Conference, March 16-17, 2023, San Diego, CA.

Report:

The Liebert Cassidy Whitmore Conference covered a wide range of topics related to labor laws and regulations, recruiting and retaining talent, and other human resources management functions.


Sessions focused on:

- Hybrid schedules
- Wage and hour
- FLSA compliance
- Hiring and retention strategies
- Talent management
- Diversity in the workplace
- Navigating mental health challenges in the Workplace

The keynote speakers were industry experts who shared valuable insights and best practices for creating a positive and productive work culture. Overall, the conference provided a great opportunity to network with other HR professionals and gain new knowledge to enhance my role in supporting employees at the District.

Attendees:

Graciela Morales, Human Resources Specialist

 <p><i>Serving Public Health Since 1928</i></p>	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>May 9, 2023</p>
<p>Agenda Item: Informational Item</p> <p>2023 Special District Risk Management Authority (SDRMA) Spring Education Day, March 22, 2023, Sacramento, CA — Crystal Moreno, M.S., Human Resources Manager</p>		
<p>Report:</p> <p>The SDRMA Spring Education Day provides risk management training relating to Property/Liability and Workers’ Compensation at no cost. Keynote speaker Dean Coughenour will present Building a Culture of Risk Management.</p> <p>Training over the day covered the basics and importance of Injury & Illness Prevention Plan, required by CalOSHA, Heat Illness Prevention, Wildfire Smoke – Employee Protection, Ergonomics in a Nutshell, and SDRMA Risk Control Services & Resources.</p> <p>The information provided during the one-day workshop provided valuable insight and inspiration for making some improvements at the District.</p> <p>ATTENDEES: <i>Crystal Moreno, Human Resources Manager</i></p>		

 <p><i>Serving Public Health Since 1928</i></p>	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>May 9, 2023</p>
<p>Agenda Item: Informational Item</p> <p>Mosquito and Vector Control Association of California (MVCAC) Legislative Day and Spring Meetings, March 20-22, 2023</p>		
<p>Spring Meeting Report:</p> <p>The spring quarterly meeting of the Mosquito and Vector Control Association of California began with our Legislative Advocacy Day. This year, MVCAC sought support for building a revolving fund to support districts responding to the viruses transmitted by <i>Aedes</i> mosquitoes such as dengue. We also sought support for having the Department of Pesticide Regulations approve innovative mosquito control techniques such as sterile insect technologies.</p> <p>The spring quarterly meeting provides an opportunity for committees that complete specific tasks within the association to meet and update the MVCAC membership on their activities. Committees address statewide issues that impact mosquito and vector control districts from surveillance and control to outreach and legislation.</p> <p>ATTENDEES: Jeremy Wittie, General Manager Jennifer Henke, Laboratory Manager Tammy Gordon, Public Information Manager Kim Hung, Vector Ecologist Gabriela Harvey, Vector Ecologist</p>		



February 28, 2022

The Honorable Joaquin Arambula, M.D.
Chair, Assembly Budget Subcommittee on Health and Human Services
1021 O Street, Suite 8130
Sacramento, CA 95814

Dear Chairman Arambula,

I write to respectfully request a revolving fund of \$5 million annually, allocated to the California Department of Public Health, to provide reimbursement grants to mosquito abatement districts that have incurred extraordinary costs over their typical operating budgets due to activities related to combatting the spread of invasive *Aedes* mosquitoes.

The *Aedes* species (*aegypti*, *albopictus*, and *notoscriptus*) are an invasive species to California and survive in tropical and temperate climates. They are the mosquito species that transmit Zika, dengue, chikungunya, and yellow fever. In the past ten years, climate change has magnified the risks of invasive mosquitoes and *Aedes* can now withstand temperate California winters, remaining a threat year after year. Drought and wildfires have also created more attractive habitats for mosquitoes to reproduce. Since first being detected in 2013 in the Central Valley, *Aedes* mosquitoes have spread to over three hundred towns and cities throughout California and twenty-five counties, increasing the risk of transmission of viruses that cause dengue, chikungunya, Zika, and yellow fever.

The border state of Sonora, Mexico had more than 8,000 cases with 63 people dying from dengue in 2022. While 582 Floridians acquired dengue while traveling, 32 people were infected at home because the mosquitoes that can transmit the virus are in their neighborhoods. Then even closer to California, in December 2022 in Maricopa County, Arizona, an individual tested positive for dengue they acquired from a mosquito bite locally. As part of the response to curtail spread, their county public health department will be testing residents of the area and working to find the source of the viral mosquito. These enhanced activities, performed by local public health and mosquito control districts, will have heavy impacts on those budgets, and without additional response, the spread of disease will have significant health and economic impacts.

Treating invasive *Aedes* is costly and labor-intensive. In a survey of MVCAC districts with *Aedes* activity, some members are spending nearly a half million dollars to control the spread. Districts, with their partners in local health departments, have increased their

work to investigate suspected and confirmed cases of people returning to California with dengue, chikungunya, and Zika. Few districts have the ability to augment their operational budgets to compensate for this increase in materials and workload, and many foresee situations where they must treat areas not covered by a mosquito abatement district.

As such, I am respectfully requesting \$5 million annually to CDPH to allow mosquito abatement districts to draw from should they incur significantly higher costs due to combatting invasive *Aedes*. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink that reads "Jim Wood". The signature is written in a cursive style with a long horizontal flourish at the end.

JIM WOOD
Assemblymember

MVCAC Legislative Day Key Messages
March 21, 2023

Invasive *Aedes* mosquitoes continue to spread throughout the state putting an enormous strain on mosquito control districts

- Invasive *Aedes* mosquitoes continue to spread throughout California - they are in 25 counties and 300 cities and towns. They are very hard to control with traditional mosquito control approaches.
- These mosquitoes can transmit debilitating and deadly diseases such as dengue. The border state of Sonora, Mexico had more than 9,000 cases with 91 people dying from dengue in 2022. In December 2022 in Maricopa County, Arizona, two individuals tested positive for dengue they acquired from a mosquito bite locally.
- Surveillance and treatment for invasive *Aedes* mosquitoes are very expensive and labor-intensive. Mosquito control districts throughout the state are saddled with skyrocketing costs.
- Mosquito districts need additional state support in order to protect public health. We urge you to support Assemblymember Jim Wood's budget request to create a revolving fund of \$5 million annually to enable the California Department of Public Health to provide funding for mosquito districts that have incurred extraordinary costs over their typical operating budgets to prevent the spread of invasive *Aedes*.
- Districts would apply for reimbursement for associated surveillance and abatement activities including costs for temporary personnel, mosquito control products, pesticide application equipment, *Aedes* surveillance traps, and public education and outreach. They would be required to report the increase in costs, year over year, due to *Aedes* prevention and response to receive reimbursement.

No new tools have been approved in our state to assist mosquito control districts in fighting the spread of invasive mosquitoes for 10 years

- New tools are needed as the efficacy of traditional mosquito control approaches are limited in treating invasive *Aedes* mosquitoes as they are becoming resistant to commonly used insecticides.
- There are three different innovative technologies being considered in California: self-limiting mosquitoes, *Wolbachia*, and irradiation. These technologies will be used as part of an overall Integrated Vector Management program to complement existing innovative control methods like drones.

- The problem is that the timeframe it takes for disease-spreading mosquitoes to invade new regions in our state is not in line with current regulatory standards for approval. These enormous delays put our state very far behind.
- As mosquito control districts face mounting challenges we must stay ahead of the curve. We urge you to encourage the Department of Pesticide Regulation to follow the science and approve research necessary to give mosquito control districts additional tools to protect public health.

CalSurv continues to be an essential tool in fighting vector-borne diseases

- CalSurv is recognized in statute as the statewide surveillance database critical to preventing the spread of mosquito-borne diseases.
- Housed at UC Davis, CalSurv provides real-time data collection, visualization, and analysis to enable over 80 mosquito and vector control and public health agencies to make informed decisions on public health interventions.
- The online interactive platform was included in the 2022-23 state budget as an annual appropriation and ongoing state support is critical. Recent state funding has enabled the addition of new capabilities:
 - New data tools to support surveillance for vectors of Lyme and other tick-borne diseases.
 - Open-data portal to accelerate research on the spread of invasive species and climate change-related impacts.
 - Support for Integrated Vector Management practices through immediate reporting of mosquito and tick surveillance and pathogen test results.
 - Improved interoperability with local, state, and national systems.

Invite them to take a tour of your district!

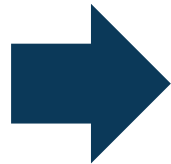


STATE SUPPORT: FUNDING NEEDED TO PROTECT CALIFORNIANS FROM INVASIVE MOSQUITOES

Climate change has created more favorable environments for invasive mosquitoes to develop as they continue to spread throughout the state rapidly. Surveillance and treatment for invasive *Aedes* mosquitoes are very expensive, labor-intensive, and mosquito and vector control districts throughout the state are saddled with skyrocketing costs. In order to protect the health and well-being of Californians, mosquito control districts desperately need state support.

Aedes Mosquitoes Are Invading Our State

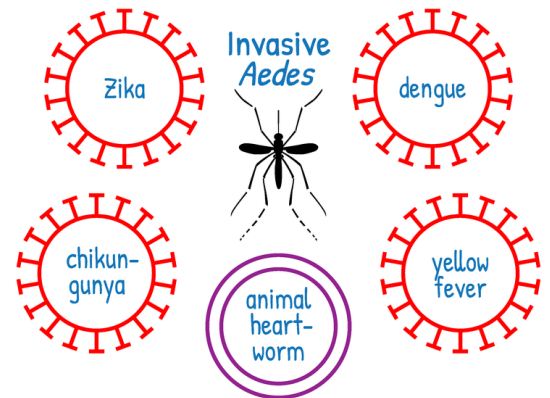
2013
First Detection



2023
300 towns/cities
25 counties



Mosquito districts, with their partners in local health departments, have increased their work to investigate suspected and confirmed cases of people returning to California with dengue, chikungunya, yellow fever, and Zika. Few districts have the ability to augment their operational budgets to compensate for this increase in materials and workload, and many foresee situations where they must treat areas not covered by a mosquito abatement district. **Some MVCAC districts with invasive *Aedes* activity report spending nearly a half million dollars to control the spread of invasive mosquitoes.**



\$5 MILLION ROLLING STATE FUND NEEDED TO REIMBURSE MOSQUITO DISTRICTS WITH EXTRAORDINARY INVASIVE AEADES COSTS



A revolving fund of \$5 million annually administered by the California Department of Public Health (CDPH) is needed to reimburse mosquito control districts for extraordinary costs associated with invasive *Aedes* abatement. Districts would apply for reimbursement for associated surveillance and abatement activities including costs for temporary personnel, mosquito control products, pesticide application equipment, *Aedes* surveillance traps, and public education and outreach. Districts would be required to report the increase in costs, year over year, due to *Aedes* prevention and response to receive reimbursement.

LOCAL TRANSMISSION OF DENGUE AT CALIFORNIA'S BORDER

- The border state of Sonora, Mexico had more than **9,000 cases with 91 people dying** from dengue in 2022.
- While **750 Floridians** acquired dengue while traveling, 57 people were infected at home because the mosquitoes that can transmit the virus are in their neighborhoods.
- In December 2022 in **Maricopa County, Arizona**, two individuals tested positive for dengue they acquired from a mosquito bite locally.

LONG HISTORY OF STATE SUPPORT FOR MOSQUITO CONTROL

- In 2007, Governor Schwarzenegger declared a state of emergency due to the increased risk of West Nile Virus (WNV) transmission in California. Following that declaration, the 2007 budget included \$3 million in General Fund support directed to WNV high-risk areas and "hot spots" to supplement local mosquito control efforts. CDPH identified counties with need and provided them with funding to identify places where mosquitoes carrying WNV could breed, and treat those areas. That funding also allowed mosquito control districts to provide an early warning system.
- The WNV funds were distributed through CDPH to counties with the highest risk of WNV transmission. Then, emergency funding applications were sent to all local mosquito control districts as WNV infections were reported statewide.
- In 2017, CDPH provided a pass-through for federal funds to local mosquito control districts for Zika prevention. No state of emergency was declared, but the U.S. Centers for Disease Control and Prevention awarded funding through CDPH to enhance surveillance and control for invasive *Aedes* throughout the state.
- Under these grants, local mosquito control districts with increased risks due to invasive *Aedes* infestations were eligible to apply for one-time funding. Applications were prioritized based on the number and extent of *Aedes* infestations, the number of travel-associated cases of mosquito-borne illnesses, the population of the agency jurisdiction, and proximity to the US/Mexico border. Allowable expenditures included temporary personnel, mosquito control products, pesticide application equipment, *Aedes* surveillance traps, and public outreach and education.



FROM DATA TO ACTION: CALSURV CONTINUES TO REVOLUTIONIZE MOSQUITO CONTROL

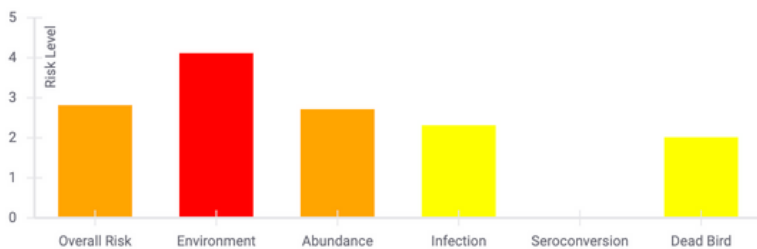
The California Vectorborne Disease Surveillance Gateway (CalSurv) is an essential tool in fighting vector-borne diseases. It is recognized in statute (AB 320 – Quirk) as the statewide surveillance database critical to preventing the spread of mosquito-borne diseases. The platform was included in the 2022-23 state budget as an annual appropriation. The state’s ongoing support for this online interactive platform is critical as it enables real-time collection, visualization, and analysis of data on vector-borne diseases. CalSurv, housed at UC Davis, curates local and statewide data to enable 81 mosquito and vector control and public health agencies to make informed decisions on public health interventions.

State funding has sustained CalSurv and enabled the addition of new capabilities

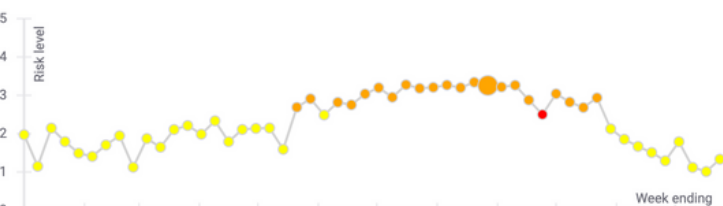
- New data tools to support surveillance for the vectors of Lyme and other tick-borne diseases.
- Open-data portal to accelerate research on the spread of invasive species and climate change-related impacts.
- Support for Integrated Vector Management practices through immediate reporting of mosquito and tick surveillance and pathogen test results.
- Improved local, state, and national interoperability.

On top of the ongoing threat of West Nile virus, invasive *Aedes* mosquitoes, which can transmit Zika, dengue, chikungunya, and yellow fever, continue to spread throughout the state. CalSurv is an important part of controlling invasive mosquitoes as it helps identify pesticide resistance and visualize disease outbreak risks.

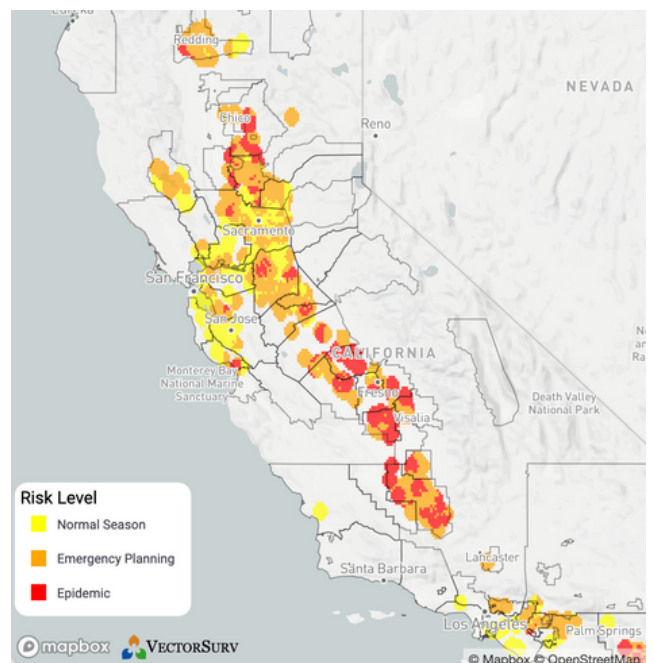
Risk Components for Week Ending August 27, 2022



Overall Risk Levels for 2022



West Nile Virus Human Infection Risk Assessment for Week Ending August 27, 2022



LEARN HOW CALSURV WORKS

Turns data into evidence for public-health decision-makers.

- Tracks the spread of invasive mosquitoes.
- Enables real-time control decisions based on surveillance data to prevent the spread of vector-borne diseases.

Supports cutting-edge research.

- Provides data that supports research to enhance surveillance and control strategies and predict new disease outbreaks.

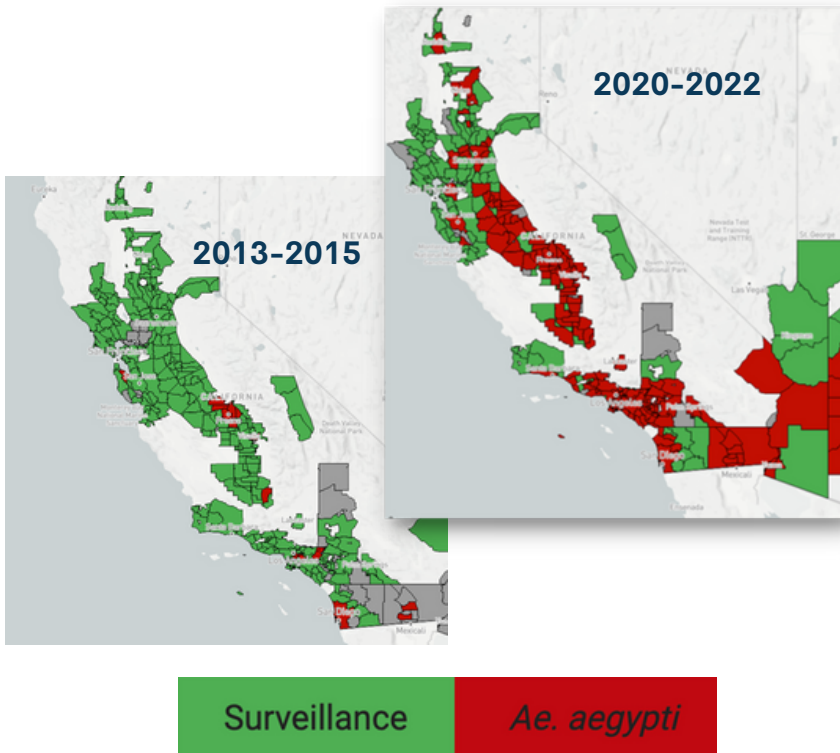
Enables state and national reporting and risk assessment.

- CA Dept. of Public Health uses CalSurv data on mosquito abundance, mosquito infection rates, dead birds, sentinel chickens, and weather to provide statewide reports and assess transmission risk for vector-borne diseases.

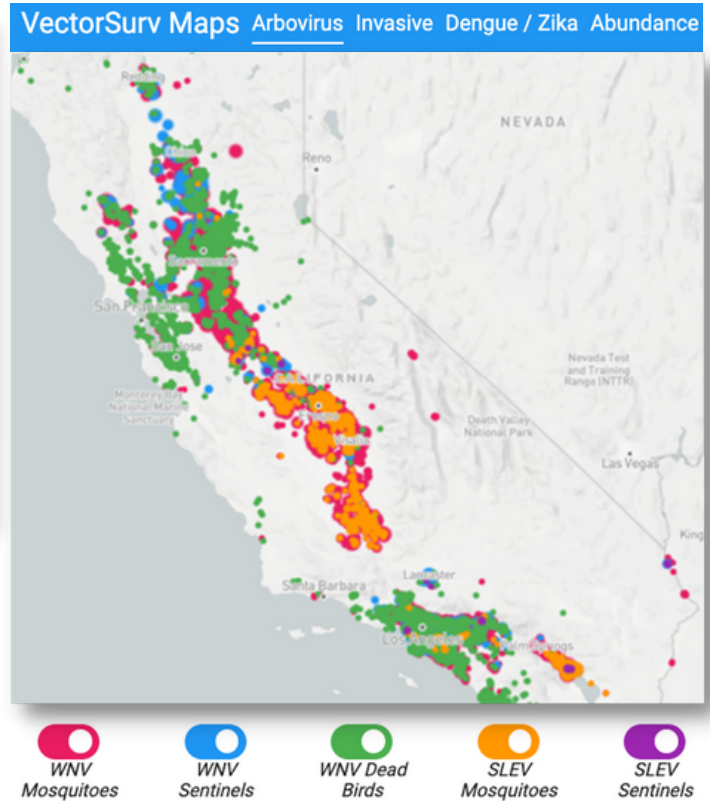
Reduces health disparities.

- Local vector control programs vary greatly in funding and operational capacity.
- CalSurv provides a software solution for surveillance data in smaller rural communities that have a higher risk of arbovirus transmission but limited vector control resources.

Aedes aegypti Detections Based on Surveillance



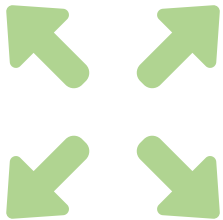
Mosquito-Borne Virus Activity Detected by Surveillance January 2013 - January 2023





MOUNTING COSTS: THE FINANCIAL IMPACT OF INVASIVE Aedes ON MOSQUITO DISTRICTS

Invasive *Aedes* are hard to control, resistant to traditional mosquito control approaches, have the potential to spread deadly diseases, and are draining mosquito district budgets. *Aedes* mosquitoes exploit small and cryptic water sources and are resistant to many commonly used insecticides which limits the efficacy of traditional mosquito control approaches. New technologies like Sterile Insect Technique are being evaluated to help control this invasive species but districts need funding for innovative techniques.



Invasive *Aedes* mosquitoes continue to rapidly spread throughout California



25 counties with *Aedes* Detections



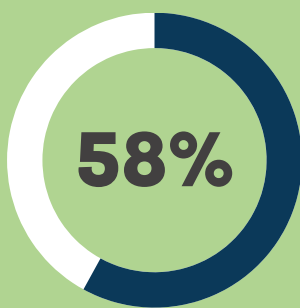
Aedes infestations proliferate by the second and third year of detections



Costs continue to rise for labor, equipment, testing, pesticides, and surveillance

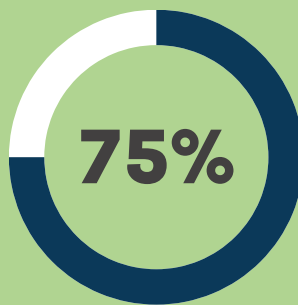
DISTRICTS REPORT RISING COSTS

SURVEILLANCE



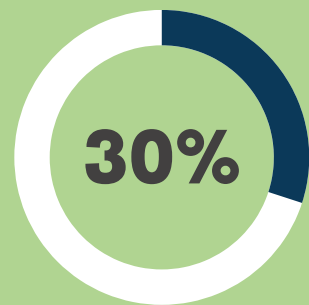
Surveillance cost increases up to 58%

OPERATIONS



Operation cost increases up to 75%

STAFFING



Staffing cost increases up to 30%



NEW TECHNOLOGIES URGENTLY NEEDED

Mosquito districts need new innovative technologies to support control efforts but they cost hundreds of thousands of dollars. In the past 10 years, no new tools have been approved in our state to assist mosquito control districts in fighting the spread of invasive *Aedes* mosquitoes.

The timeframe it takes for disease-spreading mosquitoes to invade new regions is not in line with current regulatory standards for approval and such delays put our state very far behind.



Self-limiting mosquitoes



Wolbachia



Irradiation

Scan here to see videos explaining how these technologies work



“

INVASIVE *Aedes* HAVE COMPLETELY ALTERED THE WAY WE DO MOSQUITO CONTROL

"We've had to divert labor and equipment resources to address this emerging issue to the detriment of our existing public health mosquito control efforts engaged in West Nile virus protection."

Peter Bonkrude, District Manager, Shasta Mosquito & Vector Control District



"When, not if, a tropical disease is locally transmitted by an invasive *Aedes* species, every mosquito and vector control district in the state will be impacted."

Michelle Brown, District Manager, West Valley Mosquito & Vector Control District



"An increase in funds available for staffing, equipment, public outreach, and pesticide budgeting is necessary to maintain our level of service to our community and protect public health. "

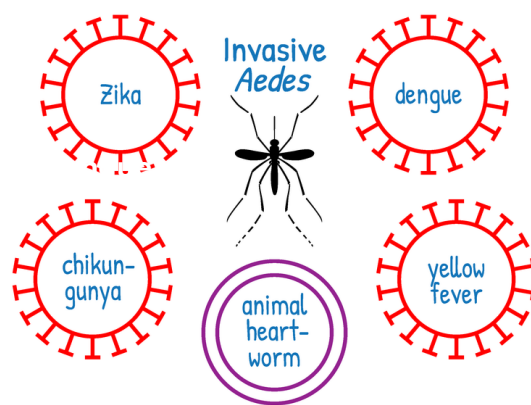
Cary Svoboda, Vector Ecologist, Ventura County Vector Control Program



BEYOND THE BASICS: INNOVATIVE TECHNIQUES NEEDED FOR INVASIVE MOSQUITO CONTROL

Invasive *Aedes* mosquitoes are rapidly spreading across California although they are not native to the state and don't have a place in our ecosystem. These mosquitoes are hard to control and can become resistant to commonly-used insecticides. Female *Aedes* mosquitoes lay their eggs in small water sources in front yards, backyards, and patios, areas where mosquito control agencies can't easily inspect or control. Also, their eggs are resistant to drying out and can survive for many months.

Invasive *Aedes* mosquitoes are more than a nuisance - they are a serious public health threat and California's mosquito and vector control agencies need new ways to control them.



There are three different innovative technologies being considered in California: self-limiting mosquitoes, *Wolbachia*, and irradiation. These technologies will be used as part of an overall Integrated Vector Management program in addition to existing innovative control methods like drones.



INTEGRATED VECTOR MANAGEMENT PROGRAM

Finding environmentally friendly mosquito control tools is a priority. Innovative technologies will not replace traditional mosquito control methods but will be another Integrated Vector Management tool used to protect public health.

LEARN HOW THE DIFFERENT TECHNOLOGIES WORK



Self-limiting mosquitoes

Self-limiting mosquitoes are produced in a laboratory and carry two types of genes:

- A self-limiting gene that prevents female mosquito larva from surviving to adulthood.
- A fluorescent marker that glows under a special red light. This allows researchers to identify self-limiting mosquitoes in the wild.

Only male *Aedes* mosquitoes that have a self-limiting gene are released because male mosquitoes don't bite. When they mate with wild females their offspring inherit a copy of the self-limiting gene. This prevents female offspring from surviving to adulthood, ultimately reducing the number of biting female mosquitoes.



Wolbachia

Wolbachia are bacteria naturally found in about 60 percent of insects around the world like butterflies, dragonflies, moths, and beetles. There are different types of *Wolbachia* associated with different types of insects.

Male *Aedes* mosquitoes are raised in a lab with a specific type of *Wolbachia* they don't normally have. These male *Aedes* mosquitoes are released to mate with wild female *Aedes* mosquitoes that have a different type of *Wolbachia* or none at all. During mating, the mismatched *Wolbachia* bacteria causes the eggs not to hatch.



Irradiation

Irradiated mosquitoes are raised in a laboratory where the male mosquitoes are separated from the females. Male mosquitoes are sterilized using the same radiation found in x-rays and Gamma rays. The sterile male mosquitoes are released to mate with wild females. The resulting eggs do not hatch. This can reduce the overall number of mosquitoes over time.



Drones

Drones, small unmanned aircraft systems (UAS), are environmentally safe, cost-effective, and precision-based application tools for mosquito districts. Drones help agencies fight mosquitoes and other vectors in remote locations and are less disruptive in wildlife management areas. Drones limit drift from aerial spray applications, better monitor irrigation, increase mosquito larvae detection, and reduce employee safety risk, noise and fuel emissions and costs of equipment and labor.

Mosquito and Vector Control Association of California Bill Status Report as of 4/28/2023

[AB 98](#)

([Aguiar-Curry D](#)) Agriculture: cotton pests abatement districts: organization and establishment: authorized counties.

Current Text: Introduced: 1/9/2023 [html](#) [pdf](#)

Introduced: 1/9/2023

Status: 3/23/2023-Read third time. Passed. Ordered to the Senate. In Senate. Read first time. To Com. on RLS. for assignment.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law provides procedures for the formation of pest abatement districts for the purpose of pest control or abatement. The Cotton Pests Abatement District Act authorizes the organization and establishment of cotton pests abatement districts by the boards of supervisors of the Counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura. This bill would remove the authority to establish these districts in the Counties of Orange, San Diego, and Ventura.

Position **Rank** **Group**
Watch 03 - Low Priority

[AB 99](#)

([Connolly D](#)) Department of Transportation: state roads and highways: integrated pest management.

Current Text: Amended: 4/17/2023 [html](#) [pdf](#)

Introduced: 1/9/2023

Last Amend: 4/17/2023

Status: 4/25/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 10. Noes 4.) (April 24). Re-referred to Com. on APPR.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the Department of Transportation to adopt, on or before January 1, 2025, a statewide policy to use integrated pest management, as defined, on state roads and highways, as specified, and to implement the statewide policy in cities or counties that have adopted integrated pest management approaches to road-side vegetation management. The bill would require the Department of Transportation, in developing the statewide policy, to consult with the Department of Pesticide Regulation and the University of California Statewide Integrated Pest Management Program. The bill would require the Department of Transportation, when operating in a city or a county that has a more restrictive approach than the statewide policy, to the extent feasible, to operate in a manner consistent with the approach mandated by the city or the county. The bill would require the Department of Transportation, on or before December 31, 2025, and annually thereafter, to make publicly available on its internet website the amount, location, and type of pesticides, and the pesticide formulation, by city and county, it uses, and, at least 24 hours before applying a pesticide, would require the Department of Transportation to provide on its internet website and mobile application, and through any other means of communication deemed appropriate by the applicable state transportation district, information on when and where it plans to apply the pesticide.

Position **Rank** **Group**
Watch 01 - High Priority

[AB 332](#)

([Lee D](#)) Rabies control data.

Current Text: Amended: 4/12/2023 [html](#) [pdf](#)

Introduced: 1/30/2023

Last Amend: 4/12/2023

Status: 4/26/2023-In committee: Hearing postponed by committee.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Calendar: 5/3/2023 9 a.m. - 1021 O Street, Room 1100 ASSEMBLY APPROPRIATIONS, HOLDEN, CHRIS, Chair

Summary: Current law governs the seizure, rescue, adopting out, and euthanasia of abandoned and surrendered animals by animal control officers, law enforcement officers, animal shelters, and rescue organizations. Current law requires the governing body of each city, city and county, or county to maintain or provide for the maintenance of an animal shelter system and a rabies control program. This bill would require the State Department of Public Health to collect certain rabies control program data from each city, city and county, or county, as outlined. By increasing the data collected from each city, city and county, and county, this bill would create a state-mandated local program.

Position **Rank** **Group**

AB 333 (Nguyen, Stephanie D) Vehicles: abatement of abandoned vehicles.

Current Text: Introduced: 1/30/2023 [html](#) [pdf](#)

Introduced: 1/30/2023

Status: 2/9/2023-Referred to Com. on TRANS.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law authorizes a county satisfying specified conditions to establish a service authority for the abatement of abandoned vehicles and to impose a \$1 vehicle registration fee. Current law authorizes a service authority to adopt an ordinance establishing procedures for the abatement, removal, and disposal, as a public nuisance, of an abandoned, wrecked, dismantled, or inoperative vehicle or part of the vehicle from private or public property and for the recovery of costs associated with the enforcement of the ordinance. This bill would allow the ordinance to provide for the issuance of permits or licenses, consistent with local nuisance codes and in cooperation with local code enforcement authorities, regarding the temporary parking allowance of abandoned, wrecked, dismantled, or inoperative vehicles and to authorize any necessary investigations and inspections related to the determination of a public nuisance.

Position **Rank** **Group**
 Watch 03 - Low Priority

AB 340 (Fong, Vince R) California Environmental Quality Act: grounds for noncompliance.

Current Text: Introduced: 1/30/2023 [html](#) [pdf](#)

Introduced: 1/30/2023

Status: 3/27/2023-In committee: Set, first hearing. Hearing canceled at the request of author.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: The California Environmental Quality Act (CEQA) prohibits an action or proceeding from being brought in a court to challenge the approval of a project by a public agency unless the alleged grounds for noncompliance are presented to the public agency orally or in writing by a person during the public comment period provided by CEQA or before the close of the public hearing on the project before the issuance of the notice of determination. This bill would require the alleged grounds for noncompliance with CEQA presented to the public agency in writing be presented at least 10 days before the public hearing on the project before the issuance of the notice of determination. The bill would prohibit the inclusion of written comments presented to the public agency after that time period in the record of proceedings and would prohibit those documents from serving as basis on which an action or proceeding may be brought.

Position **Rank** **Group**

AB 345 (Wilson D) Habitat restoration: flood control: advance payments.

Current Text: Amended: 3/20/2023 [html](#) [pdf](#)

Introduced: 1/31/2023

Last Amend: 3/20/2023

Status: 4/26/2023-In committee: Hearing postponed by committee.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Calendar: 5/3/2023 9 a.m. - 1021 O Street, Room 1100 ASSEMBLY APPROPRIATIONS, HOLDEN, CHRIS, Chair

Summary: Current law authorizes the Department of Water Resources to make examinations of lands subject to inundation and overflow by floodwaters and of the waters causing the inundation or overflow and to make plans and estimates of the cost of works to regulate and control the floodwaters. Current law also vests in the department charge of all expenditures unless otherwise provided by law for all public works relating to general river and harbor improvements, including reclamation and drainage of lands. Current law authorizes the department to cooperate and contract with any agency of the state or of the United States in order to carry out its powers and purposes. Current law establishes the Central Valley Flood Protection Board and authorizes the board to engage in various flood control activities along the Sacramento River, the San Joaquin River, their tributaries, and related areas. This bill would authorize the department or the board to provide advance payments, as defined, to local agencies for projects that restore habitat for threatened and endangered species under state or federal law or improve flood protection, as provided. The bill would prohibit the amount of funds advanced by the department or the board to the local agency at any one time from exceeding 25% of the entire amount authorized to be provided under the funding agreement.

Position **Rank** **Group**

AB 363 (Bauer-Kahan D) Pesticides: neonicotinoids for nonagricultural use: reevaluation: control measures.

Current Text: Amended: 3/6/2023 [html](#) [pdf](#)

Introduced: 2/1/2023

Last Amend: 3/6/2023

Status: 3/29/2023-In committee: Set, first hearing. Referred to suspense file.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the Department of Pesticide Regulation, by July 1, 2024, to issue a determination, taking into account the latest science, with respect to a reevaluation of neonicotinoids, as defined, on pollinating insects, aquatic ecosystems, and human health when used for the nonagricultural protection of outdoor ornamental plants, trees, and turf, and, by July 1, 2026, to adopt control measures for that use that are necessary to protect pollinating insects, aquatic ecosystems, and human health, as provided. The bill would require that the reevaluation consider the impacts to pollinating insects, aquatic ecosystems, and human health, including, except as provided, the cumulative impacts of exposure, which the bill would define for these purposes.

Position	Rank	Group
Watch	02 - Medium Priority	

AB 557 (Hart D) Open meetings: local agencies: teleconferences.

Current Text: Introduced: 2/8/2023 [html](#) [pdf](#)

Introduced: 2/8/2023

Status: 4/27/2023-Coauthors revised. From committee: Do pass. (Ayes 8. Noes 0.) (April 26).

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Calendar: 5/1/2023 #64 ASSEMBLY SECOND READING FILE -- ASSEMBLY BILLS

Summary: The Ralph M. Brown Act allows for meetings to occur via teleconferencing subject to certain requirements, particularly that the legislative body notice each teleconference location of each member that will be participating in the public meeting, that each teleconference location be accessible to the public, that members of the public be allowed to address the legislative body at each teleconference location, that the legislative body post an agenda at each teleconference location, and that at least a quorum of the legislative body participate from locations within the boundaries of the local agency's jurisdiction. The act provides an exemption to the jurisdictional requirement for health authorities, as defined. Current law, until January 1, 2024, authorizes a local agency to use teleconferencing without complying with those specified teleconferencing requirements in specified circumstances when a declared state of emergency is in effect, or in other situations related to public health, as specified. If there is a continuing state of emergency, or if state or local officials have imposed or recommended measures to promote social distancing, current law requires a legislative body to make specified findings not later than 30 days after the first teleconferenced meeting, and to make those findings every 30 days thereafter, in order to continue to meet under these abbreviated teleconferencing procedures. Current law requires a legislative body that holds a teleconferenced meeting under these abbreviated teleconferencing procedures to give notice of the meeting and post agendas, as described, to allow members of the public to access the meeting and address the legislative body, to give notice of the means by which members of the public may access the meeting and offer public comment, including an opportunity for all persons to attend via a call-in option or an internet-based service option. Current law prohibits a legislative body that holds a teleconferenced meeting under these abbreviated teleconferencing procedures from requiring public comments to be submitted in advance of the meeting and would specify that the legislative body must provide an opportunity for the public to address the legislative body and offer comment in real time. This bill would extend the above-described abbreviated teleconferencing provisions when a declared state of emergency is in effect, or in other situations related to public health, as specified, indefinitely.

Position	Rank	Group
-----------------	-------------	--------------

AB 563 (Waldron R) State Department of Public Health.

Current Text: Introduced: 2/8/2023 [html](#) [pdf](#)

Introduced: 2/8/2023

Status: 2/9/2023-From printer. May be heard in committee March 11.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law establishes the State Department of Public Health in the California Health and Human Services Agency. This bill would make a technical, nonsubstantive change to that provision.

Position **Rank** **Group**
 Watch 03 - Low Priority

[AB 652](#) (Lee D) Department of Pesticide Regulation Environmental Justice Advisory Committee.

Current Text: Amended: 3/6/2023 [html](#) [pdf](#)

Introduced: 2/9/2023

Last Amend: 3/6/2023

Status: 3/29/2023-In committee: Set, first hearing. Referred to suspense file.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the Department of Pesticide Regulation, by January 1, 2025, to establish and convene a Department of Pesticide Regulation Environmental Justice Advisory Committee, as provided, that would formally review the activities and programs under the jurisdiction of the department and that would provide recommendations to the department on ways to integrate environmental justice considerations into department programs, policies, decisionmaking, and activities, and on how the department can improve its communication with communities with the most significant exposure to pesticides. The bill would require the advisory committee to hold, at a minimum, quarterly meetings and to periodically post on the department’s internet website its recommendations. The bill would also require the department to periodically post on its internet website an update on its efforts to incorporate the advisory committee’s recommendations.

Position **Rank** **Group**
 Watch 03 - Low Priority

[AB 740](#) (Gabriel D) Department of General Services: drone cybersecurity.

Current Text: Amended: 3/9/2023 [html](#) [pdf](#)

Introduced: 2/13/2023

Last Amend: 3/9/2023

Status: 4/19/2023-In committee: Set, first hearing. Hearing canceled at the request of author.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the Department of General Services, in consultation with the Chief of the Office of Information Security, to adopt rules and regulations, by January 1, 2025, to ensure that each unmanned aircraft and unmanned aircraft system used by a government entity, as defined, in part, to include local governmental entities, for any purpose meets appropriate safeguards to ensure the confidentiality, integrity, and availability of any data collected, transmitted, or stored by that unmanned aircraft or unmanned aircraft system, as specified; and to specify requirements for a comprehensive plan to be adopted by a government entity to discontinue the use of noncompliant aircraft and systems, as specified. This bill would, beginning on the date the department adopts the rules and regulations, authorize a government entity to use unmanned aircraft or unmanned aircraft systems it did not previously use only if that aircraft or system complies with those rules and regulations. The bill would, by July 1, 2025, require a government entity that uses a noncompliant aircraft or system to submit to the department a comprehensive plan for discontinuing its use, as specified.

Position **Rank** **Group**
 Watch 01 - High Priority

[AB 774](#) (Mathis R) Invasive pests: list.

Current Text: Introduced: 2/13/2023 [html](#) [pdf](#)

Introduced: 2/13/2023

Status: 4/19/2023-From committee: Do pass and re-refer to Com. on APPR. with recommendation: To Consent Calendar. (Ayes 11. Noes 0.) (April 19). Re-referred to Com. on APPR.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law requires the Department of Food and Agriculture to develop and maintain a list of invasive pests, defined to mean animals, plants, insects, and plant and animal diseases or groups of those animals, plants, insects, and plant and animal diseases where introduction into California would or would likely cause economic or environmental harm, that have a reasonable likelihood of entering California for which a detection, exclusion, eradication, control, or management action by the state might be appropriate. This bill would require the department to post the list on its internet website.

Position **Rank** **Group**

[AB 828](#) (Connolly D) Sustainable groundwater management: managed wetlands.

Current Text: Amended: 4/17/2023 [html](#) [pdf](#)

Introduced: 2/13/2023

Last Amend: 4/17/2023

Status: 4/18/2023-Re-referred to Com. on W., P., & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: The Sustainable Groundwater Management Act requires all groundwater basins designated as high- or medium-priority basins by the Department of Water Resources that are designated as basins subject to critical conditions of overdraft to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans by January 31, 2020, and requires all other groundwater basins designated as high- or medium-priority basins to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans by January 31, 2022, except as specified. Current law defines various terms for purposes of the act. This bill would add various defined terms for purposes of the act, including the term "managed wetland."

Position **Rank** **Group**

AB 1016 (Jones-Sawyer D) Pest control operations: aircraft operations: private applicator.

Current Text: Amended: 3/9/2023 [html](#) [pdf](#)

Introduced: 2/15/2023

Last Amend: 3/9/2023

Status: 4/26/2023-Coauthors revised. From committee: Do pass and re-refer to Com. on APPR. (Ayes 10. Noes 0.) (April 25). Re-referred to Com. on APPR.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law makes it unlawful for any person to operate an aircraft in pest control unless, among other things, the pilot operating the aircraft holds a valid manned or unmanned pest control aircraft pilot's certificate issued by the Director of Pesticide Regulation. Current law requires each unmanned pest control aircraft pilot's certificate to designate the pilot's status as a journeyman, apprentice, or vector control technician, and requires an applicant for a manned or unmanned pest control aircraft pilot's certificate to pass an examination as a condition of licensure. This bill would additionally include the status of private applicator as a designation under the unmanned pest control aircraft pilot's certificate. The bill would prohibit an individual with a private applicator unmanned pest control aircraft pilot's certificate from applying pesticides except for the purpose of producing an agricultural commodity on property owned, leased, or rented by the pilot or their employer.

Position **Rank** **Group**
Watch 01 - High Priority

AB 1042 (Bauer-Kahan D) Pesticides: seeds.

Current Text: Amended: 3/16/2023 [html](#) [pdf](#)

Introduced: 2/15/2023

Last Amend: 3/16/2023

Status: 4/19/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 7. Noes 2.) (April 18). Re-referred to Com. on APPR.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Calendar: 5/3/2023 9 a.m. - 1021 O Street, Room 1100 ASSEMBLY APPROPRIATIONS, HOLDEN, CHRIS, Chair

Summary: Would require the Director of Pesticide Regulation to adopt regulations to govern the use and disposal of seeds treated with a pesticide and to prohibit the use of seeds treated with a pesticide that meets specified conditions. Because a violation of these regulations would be a crime, the bill would impose a state-mandated local program. The bill would prohibit a person from selling, delivering, or using seeds treated with a pesticide that is not registered for use. The bill would require, on and after January 1, 2025, a use report to be submitted by, or on behalf of, a grower to the director or a county agricultural commissioner when seeds treated with a pesticide are used by the grower in the state and would require the director or commissioner, on and after January 1, 2026, to annually report to the public the pounds of pesticides applied as seed treatment in California and the cumulative acres planted with seeds treated with a pesticide in California, as specified. By imposing this reporting requirement on county agricultural commissioners, this bill would create a state-mandated local program.

Position **Rank** **Group**
Watch 02 - Medium Priority

AB 1063 (Gabriel D) Nurse-to-patient staffing ratios: annual report.

Current Text: Amended: 4/27/2023 [html](#) [pdf](#)

Introduced: 2/15/2023

Last Amend: 4/27/2023

Status: 4/27/2023-Read second time and amended.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law requires the State Department of Public Health to adopt regulations establishing minimum, specific, and numerical licensed nurse-to-patient ratios by licensed nurse classification and by hospital unit for all specified health facilities. Current law requires that the ratios establish the minimum number of registered and licensed nurses to be allocated, and requires additional staff to be assigned in accordance with documented patient classification systems. This bill would require the department to conduct an annual review of its enforcement of the regulations and submit a report to the Legislature on an annual basis.

Position Watch
Rank 03 - Low Priority
Group

[AB 1322](#)

(Friedman D) Pesticides: second-generation anticoagulant rodenticide: diphacinone.

Current Text: Amended: 4/25/2023 [html](#) [pdf](#)

Introduced: 2/16/2023

Last Amend: 4/25/2023

Status: 4/26/2023-Re-referred to Com. on APPR.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law prohibits the use of second-generation anticoagulant rodenticides in wildlife habitat areas. Current law additionally prohibits the use of second-generation anticoagulant rodenticides, as defined, in the state until the Director of Pesticide Regulation certifies to the Secretary of State that, among other things, the Department of Pesticide Regulation, in consultation with the Department of Fish and Wildlife, has adopted any additional restrictions necessary to ensure that continued use of second-generation anticoagulant rodenticides is not reasonably expected to result in significant adverse effects to nontarget wildlife, as provided. Current law exempts the use of second-generation anticoagulant rodenticides from these prohibitions under certain circumstances. Current law requires the director, and each county agricultural commissioner under the direction and supervision of the director, to enforce the provisions regulating the use of pesticides. A violation of these provisions is a misdemeanor. This bill would also prohibit the use of diphacinone in a wildlife habitat area and in the state and would generally apply the above provisions to diphacinone. The bill would change the above-described condition required for the director to make the certification to the Secretary of State to instead provide that the Department of Pesticide Regulation, in consultation with, and with the concurrence of, the Department of Fish and Wildlife, has adopted any additional restrictions, including a requirement to implement integrated pest management procedures before the use of second-generation anticoagulant rodenticides, necessary to ensure that less than 10% of a scientifically representative sample of individuals of specified species has a detectable level of any second-generation anticoagulant rodenticide or any of its metabolites in blood samples, as provided.

Position
Rank
Group

[AB 1484](#)

(Zbur D) Temporary public employees.

Current Text: Amended: 3/28/2023 [html](#) [pdf](#)

Introduced: 2/17/2023

Last Amend: 3/28/2023

Status: 4/26/2023-In committee: Hearing postponed by committee.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Calendar: 5/3/2023 9 a.m. - 1021 O Street, Room 1100 ASSEMBLY APPROPRIATIONS, HOLDEN, CHRIS, Chair

Summary: The Meyers-Milias-Brown Act (act) authorizes local public employees, as defined, to form, join, and participate in the activities of employee organizations of their own choosing for the purpose of representation on matters of labor relations. Current law generally requires that the scope of representation under the act include all matters relating to employment conditions and employer-employee relations, while excepting the consideration of the merits, necessity, or organization of any service or activity provided by law or executive order. Current law states that the Legislature finds and declares that the duties and responsibilities of local agency employer representatives under the act are substantially similar to the duties and responsibilities required under existing collective bargaining enforcement procedures and therefore the costs incurred by the local agency employer representatives in performing those duties and responsibilities under that act are not reimbursable as state-mandated costs. This bill would impose specified requirements with respect to the temporary employees, as defined, of a public employer who have been hired to perform the same or similar type of work that is performed by permanent employees represented by a recognized employee organization. In this regard the bill would require those temporary employees to be automatically included in the same bargaining unit as the permanent employees, as specified, upon the request of

the recognized employee organization.

Position **Rank** **Group**
Watch 01 - High Priority

AB 1662 (Quirk-Silva D) State Department of Public Health.

Current Text: Introduced: 2/17/2023 [html](#) [pdf](#)

Introduced: 2/17/2023

Status: 2/18/2023-From printer. May be heard in committee March 20.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Existing law establishes the State Department of Public Health, and transferred the responsibility for specified health programs from the former State Department of Health Services to the State Department of Public Health, as prescribed. This bill would make technical, nonsubstantive changes to that provision.

Position **Rank** **Group**
Watch 03 - Low Priority

AB 1712 (Irwin D) Personal information: data breaches.

Current Text: Amended: 4/27/2023 [html](#) [pdf](#)

Introduced: 2/17/2023

Last Amend: 4/27/2023

Status: 4/27/2023-Read second time and amended.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: The Information Practices Act of 1977 requires any agency that owns or licenses computerized data that includes personal information to disclose any breach of the security of the system following discovery or notification of the breach, as specified. The act also requires any agency that maintains computerized data that includes personal information that the agency does not own to notify the owner or licensee of the information of any breach of the security of the data, in accordance with certain procedures. Current law requires the security breach notification to include specified information, including, among other things, the names and addresses of the major credit reporting agencies. Current law authorizes the security breach notification to include, at the discretion of the agency, among other things, advice on steps that people whose information has been breached may take to protect themselves. This bill would additionally require the security breach notification to include the internet websites of the major credit reporting agencies and the Uniform Resource Locator for the main internet website operated by the Federal Trade Commission to provide information for victims of identity theft.

Position **Rank** **Group**
Watch 03 - Low Priority

AB 1752 (Committee on Agriculture) Bees: pesticides: civil penalties.

Current Text: Amended: 4/17/2023 [html](#) [pdf](#)

Introduced: 2/21/2023

Last Amend: 4/17/2023

Status: 4/27/2023-Read third time. Passed. Ordered to the Senate. In Senate. Read first time. To Com. on RLS. for assignment.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law requires the Director of Pesticide Regulation to adopt regulations necessary to minimize the hazard to bees, while still providing for the reasonable and necessary application of pesticides toxic to bees to blossoming plants, as specified. Under current law, a failure to comply with those regulations is subject to a civil penalty of not more than \$500 for each day that the violation continues and, after a warning notice of 7 days is given, is an infraction. In addition to the civil penalty and infraction described above, this bill would authorize a county agricultural commissioner, in lieu of a civil prosecution by the director, to levy a civil penalty of not more than \$3,000 per violation against a person violating those regulations, as specified.

Position **Rank** **Group**
Watch 01 - High Priority

SB 23 (Caballero D) Water supply and flood risk reduction projects: expedited permitting.

Current Text: Amended: 4/12/2023 [html](#) [pdf](#)

Introduced: 12/5/2022

Last Amend: 4/12/2023

Status: 4/27/2023-From committee: Do pass as amended and re-refer to Com. on APPR. (Ayes 7. Noes

0.) (April 26).

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Calendar: 5/1/2023 #21 SENATE SENATE BILLS - SECOND READING FILE

Summary: Current law prohibits an entity from substantially diverting or obstructing the natural flow of, or substantially changing or using any material from the bed, channel, or bank of, any river, stream, or lake, or deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake, except under specified conditions, including requiring the entity to send written notification to the Department of Fish and Wildlife regarding the activity in the manner prescribed by the department. This bill would require a project proponent, if already required to submit a notification to the department, to submit to the department the certified or adopted environmental review document, as applicable, for the activity in the notification. The bill would require the department, under prescribed circumstances, to take certain actions within specified timelines, or within a mutually agreed-to extension of time.

Position **Rank** **Group**

SB 411

(Portantino D) Open meetings: teleconferences: neighborhood councils.

Current Text: Amended: 4/24/2023 [html](#) [pdf](#)

Introduced: 2/9/2023

Last Amend: 4/24/2023

Status: 4/26/2023-Set for hearing May 2.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Calendar: 5/2/2023 1:30 p.m. - 1021 O Street, Room 2100 SENATE JUDICIARY, UMBERG, THOMAS, Chair

Summary: The Ralph M. Brown Act requires, with specified exceptions, that all meetings of a legislative body, as defined, of a local agency be open and public and that all persons be permitted to attend and participate. The act generally requires for teleconferencing that the legislative body of a local agency that elects to use teleconferencing post agendas at all teleconference locations, identify each teleconference location in the notice and agenda of the meeting or proceeding, and have each teleconference location be accessible to the public. Current law also requires that, during the teleconference, at least a quorum of the members of the legislative body participate from locations within the boundaries of the territory over which the local agency exercises jurisdiction. The act provides an exemption to the jurisdictional requirement for health authorities, as defined. This bill, until January 1, 2028, would authorize an eligible legislative body to use alternate teleconferencing provisions related to notice, agenda, and public participation, as prescribed, if the city council has adopted an authorizing resolution and 2/3 of an eligible legislative body votes to use the alternate teleconferencing provisions. The bill would define "eligible legislative body" for this purpose to mean a neighborhood council that is an advisory body with the purpose to promote more citizen participation in government and make government more responsive to local needs that is established pursuant to the charter of a city with a population of more than 3,000,000 people that is subject to the act.

Position **Rank** **Group**
SUPPORT 02 - Medium Priority

SB 511

(Blakespear D) Greenhouse gas emissions inventories.

Current Text: Amended: 4/24/2023 [html](#) [pdf](#)

Introduced: 2/14/2023

Last Amend: 4/24/2023

Status: 4/25/2023-Set for hearing May 1.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Calendar: 5/1/2023 10 a.m. - 1021 O Street, Room 2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: The California Global Warming Solutions Act of 2006 requires the State Air Resources Board to prepare and approve a scoping plan for achieving the maximum technologically feasible and cost-effective reductions in greenhouse gas emissions and to update the scoping plan at least once every 5 years. This bill would require the state board, before January 1, 2028, to develop, and publish on its internet website, a report on greenhouse gas emissions inventories for the calendar year 2025 for each city, county, or city and county that requests inclusion in the report, as provided. The bill would require the state board, consistent with the preparation of the updates to the scoping plan and before January 1, 2033, and every 5 years thereafter, to update the inventories, for each city, county, or city and county that requests inclusion in the respective update, for the calendar year 2030 and every 5th year thereafter. The bill would authorize the state board to solicit bids and enter into contracts for the development of the inventories. The bill would require the state board, before January 1, 2026, to

Assembly

CERTIFICATE OF RECOGNITION

CV Mosquito & Vector Control

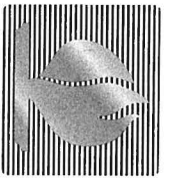
On behalf of the California State Assembly, I present this certificate in recognition of your contribution to ensure the Day of the Young Child celebration in Coachella is a great success. Thank you for investing in the wellbeing of our families in the 36th Assembly District.
Best wishes on your future endeavors!

Coachella, CA
March 11, 2023



A handwritten signature in black ink, appearing to read "Eduardo Garcia".

Assemblymember Eduardo Garcia
36th Assembly District



**RIVERSIDE COUNTY
OFFICE OF EDUCATION**

EDWIN GOMEZ, Ed.D. | County Superintendent of Schools

Certificate of Recognition

IN RECOGNITION of your diligent efforts, the Riverside County Superintendent of Schools does hereby recognize and praise your hard work and commitment to education. The significance of your work as a volunteer on the Day of the Young Child or el Día del Niño at the Veteran's Memorial Park, in the City of Coachella is recognized and valued.

I, **THEREFORE**, present this certificate of recognition to

Luz Morcada & Diana Reyes

Coachella Valley Mosquito & Vector Control

Dated this 11th day of March, 2023

Handwritten signature of Edwin Gomez in black ink.

Edwin Gomez, Ed.D.

Riverside County Superintendent of Schools



Serving Public Health Since 1928

OLD BUSINESS



**Coachella Valley Mosquito and
Vector Control District**

May 9, 2023

Staff Report

Agenda Item: Old Business

Discussion and/or approval of Resolution 2023-06 Adopting Employee Pay Schedule, in conformance with California Code of Regulations, Title 2, Sections 570.5 and 571 – **Crystal Moreno, M.S., Human Resources Manager**

Background:

On August 10, 2011, CalPERS adopted *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.

In order 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.). This pay schedule reflects a change to the pay rate for seasonal employees. The pay schedule is included in the attached resolution as *Exhibit A*.

Strategic Business Plan Alignment

Goal 6: FINANCE-Sustained and Transparent Finances that meet District revenue needs

Staff Recommendation:

Staff recommends that the Board of Trustees approve Resolution 2023-06.

Exhibit:

- Resolution 2023-06 and Pay Schedule

RESOLUTION NO. 2023-06

**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, including seasonal employees, 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 9th day of May 2023.

John Peña, President
Board of Trustees

ATTEST:

Melissa Tallion, Clerk of the Board

APPROVED AS TO FORM:

Lena D. Wade, General Counsel

REVIEWED:

Jeremy Wittie, M.S., General Manager

Exhibit "A"

**Coachella Valley Mosquito and Vector Control District
Pay Schedule**

DRAFT

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Monthly Pay Schedule - FY 2022-23

Seasonal Vector Control Operator (890 hrs. max.)	\$18.00/hr.	\$19.00/hr.				
	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
VCT I, Laboratory Technician	4,258.29	4,471.20	4,694.76	4,929.50	5,175.97	5,434.77
VCT II, Laboratory Assistant I	5,175.99	5,434.79	5,706.53	5,991.85	6,291.44	6,606.02
Mechanic I, Facilities Maintenance Technician I	5,434.79	5,706.53	5,991.85	6,291.44	6,606.02	6,936.32
Lead VCT, Laboratory Assistant II, Mechanic II, Facilities Maintenance Technician II	5,706.53	5,991.85	6,291.45	6,606.02	6,936.32	7,283.14
Administrative Clerk	4,803.52	5,043.70	5,295.88	5,560.68	5,838.71	6,130.65
Accounting Technician I	4,922.55	5,168.68	5,427.12	5,698.47	5,983.40	6,282.57
Accounting Technician II	5,502.57	5,777.70	6,066.58	6,369.91	6,688.41	7,022.83
Community Liaison	5,667.65	5,951.03	6,248.58	6,561.01	6,889.06	7,233.51
Public Outreach Coordinator, IT/GIS Assistant	6,392.07	6,711.67	7,047.26	7,399.62	7,769.60	8,158.08
Biologist	6,719.95	7,055.95	7,408.75	7,779.19	8,168.14	8,576.55
Field Supervisor, Public Information Officer	7,792.33	8,181.95	8,591.05	9,020.60	9,471.63	9,945.21
Environmental Biologist, Vector Ecologist, IT/GIS Analyst, Lead Supervisor, Operations Program Coordinator	8,181.89	8,590.99	9,020.54	9,471.57	9,945.14	10,442.40
Executive Assistant/Clerk of the Board, HR Specialist, Payroll Coordinator	6,556.64	6,884.47	7,228.69	7,590.13	7,969.63	8,368.12
Admin/Finance Manager, Human Resources Manager, IT Manager, Public Information Manager, Operations Manager, Laboratory Manager	9,105.22	9,560.48	10,038.50	10,540.43	11,067.45	11,620.82
General Manager	14,230.67					

Educational Incentive Pay

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

Temporary - Out of Class

5%	<u>Additional Duties</u>	5%
----	---------------------------------	----



Serving Public Health Since 1928

NEW BUSINESS



Serving Public Health Since 1928

**Coachella Valley Mosquito and
Vector Control District**

Staff Report

May 9, 2023

Agenda Item: New Business

Discussion and/or approval of Resolution 2023-04 and adoption of the CVMVCD Invasive Mosquito Species 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 the 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 updated in 2023. This updated plan follows changes in surveillance and new findings regarding invasive mosquitoes and arboviruses. *The Guidance for Surveillance of and Response to Invasive Aedes Mosquitoes and Dengue, Chikungunya, and Zika in California* generated by the California Department of Public Health is referenced in this document; however, the District’s response plan includes information on surveillance, control, and public outreach activities relative to the conditions and communities in the Coachella Valley.

Staff Recommendation:

Approve Resolution 2023-04 and Adopt the CVMVCD Invasive Mosquito Species Response Plan

Exhibits:

- Resolution 2023-04
- CVMVCD Invasive Mosquito Species Response Plan

Resolution No. 2023- 04

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE
COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL
DISTRICT ADOPTING THE CVMVCD INVASIVE MOSQUITO
SPECIES 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.

[REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK]

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.

PASSED, ADOPTED, AND APPROVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District this 9th day of May 2023.

John Peña, President
Board of Trustees

ATTEST:

Melissa Tallion, 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 SPECIES RESPONSE PLAN**

DRAFT

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

INVASIVE MOSQUITO MANAGEMENT PROGRAM AND ARBOVIRUS RESPONSE PLAN 2023



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

Table of Contents

I. OBJECTIVE.....	3
II. INTRODUCTION	3
III. ANNUAL TRAINING.....	4
IV. NOVEL INVASIVE MOSQUITO RESPONSE PLAN.....	4
V. INVASIVE <i>Aedes aegypti</i> MANAGEMENT PROGRAM.....	5
1. Surveillance Response	5
2. Operations Response.....	5
Service Requests	5
“Hot Shots” Team	Error! Bookmark not defined.
Seasonal Area-Wide Applications.....	6
3. Outreach Response	6
VI. RESPONSE TO AN ARBOVIRUS VECTORED BY <i>Aedes aegypti</i>	6
1. Initial Communication Plan – Arbovirus Reported in a Person or <i>Aedes aegypti</i>	7
2. Surveillance Response	8
3. Operations Response:.....	8
4. Public Outreach Response.....	9
5. Using Area-wide Applications as a Response.....	9

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 Dengue, Chikungunya, and Zika in California**" published in June 2014, revised several times, and most recently updated in January 2023.

<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.cdpr.ca.gov/docs/enforce/mous/dhs_cac.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.

An annual training for Operations and Public Outreach Departments will be coordinated by the leaders of those departments with the Surveillance and Quality Control department. 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.

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 reviews the potential for vector-borne disease transmission in the Coachella Valley; this review is shared with the District Board of Trustees and District leadership by February annually. 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 confirm the first detection of an invasive mosquito species in a new city or un-incorporated community. Then 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, at least 8 BG traps per treatment plot will be set weekly at temporary locations.

Female mosquitoes are pooled together by city by week and sent monthly to the Davis Arbovirus Research and Testing (DART) facility from June to December for virus testing of chikungunya, dengue, and Zika viruses. A report of trap count results is sent to the District staff by the end of the next business day.

2. Operations Response

Service Requests

Each zone Vector Control Technician (VCT) will be responsible for responding to service requests in their zone. If the presence of mosquitoes is confirmed at the residence of the requestor, the Technician will inspect the 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, the VCT will request assistance from their supervisor.

***Aedes* Area of Interest**

When the VCT requests assistance from their supervisor (as outlined above), additional Operations employees will be sent to the area to assist. The focus of the *Aedes* area of interest may be initiated when one of three thresholds has been reached:

- 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.
- Initiate [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 area-wide 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 GIS software, District staff define 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 area-wide 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 area-wide application to determine the most appropriate means of public outreach to the affected local government entities and residents of the area-wide 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 and prevention.
 - 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*

1. Initial Communication Plan

- a. Arbovirus reported in a person or *Aedes aegypti*
- b. 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*.
- c. 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 Manager. 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.
- d. 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.
- e. 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.

2. Surveillance Response

- a. For human cases, the Vector Ecologist or a Biologist along with a Lead Technician or Field Supervisor 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. Traps in an area will be monitored for 45 days following the final detection of a disease agent in a person or a mosquito sample.
- 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.

3. Operations Response:

- a. Door-to-door inspection notifications will commence within 48 hours of the District's Action Plan Meeting.
- b. Operations Department will post signage in the area indicating that a mosquito virus is in the area. Signs will be posted in areas where deemed necessary in order for residents to see the information.
- c. 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.
- d. Samples of mosquitoes should be collected and submitted to Laboratory staff for identification.
- e. 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.
- f. If Operations staff is not able to access a property under mandatory door-to-door inspections because the resident is absent or refuses, Operations staff will

- i. Post the [Area Warrant](#) which will allow access after 24 hours from the date and time of posting.
- ii. Notify the appropriate law enforcement about the need for coordination.
- iii. Return 24 hours from posting of the [Area Warrant](#) on the property and attempt to contact the resident. If the resident is unwilling or unable to cooperate, the Operations staff may execute the Warrant to Inspect and Abate and follow the protocols described in said Warrant.

4. Public Outreach Response

- a. The Public Information Manager contacts the city manager and county supervisor's office 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 staff proceeds with stakeholder notification.
- b. The Public Information Department 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, postcards, or printed postings

5. 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 Manager, 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 or aerial larvicide applications may 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. Neighborhoods outside of a 1-mile radius of the human case will be evaluated. If more than 10 female Aedes mosquitoes per night are captured on a 2-week cycle, those neighborhoods may be scheduled for larvicide applications to reduce the risk of virus transmission.
- e. Once the determination that area-wide application is necessary:
 - i. The Laboratory Manager will direct staff to evaluate the efficacy of the application through trapping.
 - ii. The Operations Manager will direct staff to continue inspections and treat the properties where immediate control of mosquitoes is needed.
 - iii. The Operations Manager will notify the Riverside County Agricultural Commissioner, law enforcement, and, if needed, the Federal Aviation Administration of area-wide applications.
 - iv. The Public Outreach Department will update the District stakeholders.



Serving Public Health Since 1928

Coachella Valley Mosquito and Vector Control District

Staff Report

May 9, 2023

Agenda Item: New Business

Discussion and/or approval of Resolution 2023-05 and adoption of the 2023 CVMVCD Mosquito-borne Virus Surveillance and Emergency 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 the 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 up to a 10-day period while infectious viremia persists in vertebrate hosts, thus breaking the cycle by preventing new vector infections.

The *CVMVCD Mosquito-borne Virus Surveillance and Emergency 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, particularly for West Nile virus, St. Louis encephalitis virus, and western equine encephalomyelitis virus. The plan was created in 2003 and is updated every year to follow changes in surveillance and new findings regarding arboviruses. The Mosquito-borne Virus Surveillance & Response Plan generated by the California Department of Public Health, the Mosquito & Vector Control Association of California, and the University of California, is the core of this document; however, some necessary adjustments were made in benchmark ratings relative to the conditions in the Coachella Valley.

Staff Recommendation:

Approval of Resolution 2023-05 adopting the CVMVCD Mosquito-borne Virus Surveillance and Emergency Response Plan.

Exhibits:

- Resolution 2023-05
- CVMVCD Mosquito-borne Virus Surveillance and Emergency Response Plan

Resolution No. 2023-05

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE
COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL
DISTRICT ADOPTING THE CVMVCD MOSQUITO-BORNE VIRUS
SURVEILLANCE AND EMERGENCY 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 Mosquito-Borne Virus Surveillance and Response Plan (“State Risk Assessment Plan”) 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 Mosquito-Borne Virus Surveillance and Emergency Response Plan, attached hereto as Exhibit “A” and incorporated herein by this reference (“District Risk Assessment Plan”), which incorporates the State Risk Assessment Plan 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 Amended District Risk Assessment Plan.

The Board of Trustees hereby adopts the amended District Risk Assessment Plan.

Section 3. Delegation of Authority.

The District’s General Manager is hereby delegated all authority necessary to implement the District Risk Assessment Plan in a manner that is consistent with the State Risk Assessment Plan and the conditions in the Coachella Valley.

Section 4. Public Inspection and Copying.

A copy of the District Risk Assessment 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.

[REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK]

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.

PASSED, ADOPTED, AND APPROVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District this 9th day of May 2023.

John Peña, President
Board of Trustees

ATTEST:

Melissa Tallion, Clerk of the Board

APPROVED AS TO FORM:

Lena D. Wade, General Counsel

REVIEWED:

Jeremy Wittie, MS, General Manager

EXHIBIT "A"

**SEE ATTACHED
COACHELLA VALLEY MOSQUITO AND
VECTOR CONTROL DISTRICT
MOSQUITO-BORNE VIRUS SURVEILLANCE AND
EMERGENCY RESPONSE PLAN**

DRAFT

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

MOSQUITO-BORNE VIRUS SURVEILLANCE AND EMERGENCY RESPONSE PLAN



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

Table of Contents

I. INTRODUCTION	4
II. BACKGROUND INFORMATION	4
III. MOSQUITO SURVEILLANCE OBJECTIVES.....	5
A. MOSQUITO SURVEILLANCE.....	5
B. MOSQUITO INFECTIONS	5
C. DEAD BIRDS.....	5
D. EQUINE INFECTIONS	5
E. HUMAN INFECTIONS	6
F. DATA ANALYSIS AND INTERPRETATION	6
G. PUBLIC INFORMATION AND EDUCATION.....	6
IV. MOSQUITO CONTROL OBJECTIVES.....	7
A. LARVAL CONTROL.....	7
B. ADULT CONTROL.....	8
V. RESPONSE LEVELS	9
VI. MOSQUITO-BORNE VIRUS RISK ASSESSMENT TABLES.....	10
Table 1. West Nile virus	10
Table 2. Western Equine Encephalomyelitis virus	11
Table 3. St. Louis Encephalitis virus.....	12
VII. CHARACTERIZATION OF CONDITIONS AND RESPONSES.....	13
Normal Season.....	13
Emergency Planning	15
Epidemic Conditions.....	16
VIII. PROGRAM SUPPORT	18
A. Key Agency Responsibilities.....	18
B. Equipment.....	21
C. Control Products.....	23
LARVAL CONTROL	23
ADULT CONTROL.....	25
EMERGENCY CONTROL PRODUCT MONITORING	25
IX. APPENDICES.....	27
Appendix A.1 – Map of Surveillance Locations with Gravid Traps in the Coachella Valley	27
Appendix A.2 – List of Sites with Gravid Trap Locations in the Coachella Valley.....	28
Appendix B.1 – Map of Surveillance Locations with BG-Sentinel Traps in the Coachella Valley.....	30
Appendix B.2 – List of Sites with BG-Sentinel Trap Locations in the Coachella Valley.....	31
Appendix C.1 – Map of Surveillance Locations with only CO ₂ Traps in the Coachella Valley	34
Appendix C.2 – List of Surveillance Locations with only CO ₂ Traps in the Coachella Valley	35
Appendix D – Table 4. Annual and monthly total and average rainfall (in.) for the Coachella Valley	37

Appendix E – Table 5. Average Minimum and Maximum temperatures (°F) in the
Coachella Valley 38
Appendix F – Risk Assessment Maps..... 39

I. INTRODUCTION

Since 1969, California has had a mosquito-borne disease surveillance program in place to monitor mosquito abundance and encephalitis virus activity. The state-wide surveillance program was established in 1969. The District started with surveillance in the early 1980s. The present program was established in 1990 through a cooperative effort of the Arbovirus Research Group at the School of Public Health, UC Berkeley (now the Davis Arbovirus Research and Training, UC Davis), and the Coachella Valley Mosquito and Vector Control District (the District).

The District's mission is to enhance the quality of life for our community by providing effective and environmentally sound vector control and vector-borne disease prevention programs. This mission is accomplished through an 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 while infectious viremia persists in vertebrate hosts, thus breaking the cycle by preventing new vector infections.

This document 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 Mosquito-borne Virus Surveillance & Response Plan generated by California Department of Health Services, Mosquito & Vector Control Association of California, and University of California, is the core of this document; however, some necessary adjustments were made in benchmark ratings relative to the conditions in the Coachella Valley.

Guidelines for adult mosquito surveillance, processing mosquitoes for arbovirus detection, and testing dead birds and equines, as well as information regarding compounds approved for mosquito control in California are part of the California State Mosquito-Borne Virus Surveillance & Response plan.

II. BACKGROUND INFORMATION

Mosquito-borne viruses belong to a group of arthropod-borne viruses referred to us as arboviruses (for **arthropod-borne**). From 15 mosquito-borne viruses known to occur in California, to date, only St. Louis encephalitis virus (SLEV), western equine encephalomyelitis virus (WEEV), and West Nile virus (WNV) have caused significant outbreaks of human disease. These viruses are maintained in nature in wild bird-mosquito cycles, and therefore they do not depend upon infections of humans or domestic animals for their persistence.

Surveillance includes the monitoring of immature and adult mosquito abundance and detecting virus activity by testing (a) adult female mosquitoes, (b) sentinel chickens and wild birds, (c) horses, and (d) humans for infection. Surveillance must include not only the monitoring of mosquito-borne viruses known to exist in California, but also the detection of newly introduced viruses.

III. MOSQUITO SURVEILLANCE OBJECTIVES

Mosquito control is the only practical method of protecting people and animals from WNV, SLEV, and WEEV infections. Larvae and pupae (immature stages) of *Culex tarsalis* and *Culex quinquefasciatus* can be found throughout the Coachella Valley in a wide variety of aquatic sources, ranging from urban retention basins to irrigated agricultural lands, Salton Sea marshes and duck club habitats.

A. MOSQUITO SURVEILLANCE

Surveillance includes monitoring of immature and adult mosquito abundance in the Coachella Valley throughout the year. To monitor mosquito larvae, “dippers” or long-handled ladles are used to collect samples from known and new water sources. At that time, the number of larvae and pupae per “dip” is estimated. These data are used to determine larval control measures. The records of the number and developmental stages of larvae, source size treated, product name, and amount used, with the control effectiveness data can provide an early warning tool for forecasting the size of the adult population.

Mosquito adult surveillance in the Coachella Valley is conducted by setting 53 gravid traps on a weekly basis and setting an additional 56 CO₂ traps on a bi-weekly basis. Adult mosquito abundance is a key factor when evaluating the risk of disease transmission. **Guidelines for mosquito surveillance are summarized in Appendix A of California Mosquito-Borne Virus Surveillance and Response Plan – June 2022.**

B. MOSQUITO INFECTIONS

Early detection of virus activity may be accomplished by testing *Culex tarsalis* and *Culex quinquefasciatus*, the primary vectors of SLEV, WEEV, and WNV in the Coachella Valley for virus infection. Sampling of other mosquito species may be necessary to detect the introduction of viruses that do not have a primary avian-*Culex* transmission. Mosquitoes are trapped by using carbon-dioxide-baited traps and using gravid traps baited with water with enriched organic content and the females are then pooled in groups up to 50 for testing at the District. **Procedures for processing mosquitoes for virus infection are summarized in Appendix B California Mosquito-Borne Virus Surveillance and Response Plan – June 2022.**

C. DEAD BIRDS

Dead birds are reported to CDPH, then either brain or eye tissue is sampled and tested at the District Laboratory for WNV. The dead bird testing algorithm is provided **in Appendix E of the California Mosquito-Borne Virus Surveillance and Response Plan – June 2022.**

D. EQUINE INFECTIONS

Equine disease due to WEEV and WNV is not a sensitive indicator of epizootic (infections only in animals) WEEV and WNV activity in California. The reason for this is the widespread vaccination of equines. If confirmed cases do occur, it is a strong indication that WEEV or WNV is active in the region. California Department of Agriculture (CDFA) and CDPH annually

contact veterinarians to ensure equine vaccinations. Besides WEEV and WNV, other mosquito-borne viruses may also cause encephalitis in horses, and consequently, testing of equine specimens by CDPH has been expanded to include other viruses. **See Appendix F of the California Mosquito-Borne Virus Surveillance and Response Plan – June 2022.**

E. HUMAN INFECTIONS

In general, human cases are not a sensitive surveillance indicator of virus activity because most human infections (>99%) have no, or only mild, symptoms. When severe encephalitis cases do occur, rarely are arboviruses suspected, and sera generally are not sent to CDPH for testing. Communication with key hospitals and local health officials has been enhanced in the last year. However, rapid detection and reporting of confirmed human cases is crucial to local mosquito control agencies in planning and expanding emergency control activities to prevent additional infections. **(See Appendices G and H of the California Mosquito-Borne Virus Surveillance and Response Plan – June 2022.)**

F. DATA ANALYSIS AND INTERPRETATION

1. All weather reports received from state and local agencies that can affect mosquito breeding will be reviewed and analyzed by the District staff. Weekly and biweekly mosquito occurrence reports received from the CVMVCD laboratory and the CDPH – VBDS statewide will be used for forecasting purposes. For websites related to weather conditions refer to **Appendix K of the California Mosquito-Borne Virus Surveillance and Response Plan – June 2022.**

2. Reports from CVMVCD laboratory, CDPH – VBDS, and UCD on virus isolations in mosquito pools, confirmed human cases and horse cases of encephalitis will be used for operational program planning.

G. PUBLIC INFORMATION AND EDUCATION

Residents, farmers, and duck club owners can play an important role in reducing the number of adult mosquitoes by eliminating standing water that may support the development of immature mosquitoes. Farmers and ranchers can ensure that irrigation practices do not allow standing water for extended periods, and duck club owners can work with mosquito control agencies to determine appropriate flooding schedules. Education regarding personal protective measures will help reduce exposure to mosquitoes (insect repellents, protective clothing time of the exposure to mosquitoes). Equally important is the education of the medical community to recognize the symptoms of WEEV, SLEV, and WNV and request proper laboratory testing for their confirmation. Public health officials need to be alerted if a mosquito-borne viral disease is detected, especially if the public health risk is high.

The level of public information and education depends on the conditions and required response.

Level 1: During a normal mosquito-breeding season, routine public education will be conducted.

Level 2: Emergency planning and enhanced public education will be conducted. This includes posting messages on the symptoms of encephalitis, public information about pesticide applications, and recommendations about avoiding mosquito bites.

Level 3: Full-scale media campaign is required at this level. Coordinate with CDPH in a regional emergency response in conjunction with California Office of Emergency Services in informing County Board of Supervisors, Local Health Departments, city, and county officials.

IV. MOSQUITO CONTROL OBJECTIVES

Mosquito control in California is conducted by over 80 local agencies, including mosquito and vector control districts, environmental health departments, and county health departments.

The Coachella Valley Mosquito and Vector Control District is a Special District and public agency that operates under the California Health and Safety Code, section 2270 (2000). The District currently serves 2400 square miles and is governed by an 11 member board of Trustees, nine representing the incorporated cities and two from Riverside County at large.

The District's mission is to reduce the risk from disease carried by mosquitoes and other vectors for residents in the Coachella Valley. **See Appendix I and J of the California Mosquito-Borne Virus Surveillance and Response Plan - June 2022** for compounds approved for mosquito control in California and application methods.

A. LARVAL CONTROL

This strategy prevents producing another generation of mosquitoes capable of transmitting disease. Control of larvae is target-specific and covers a defined area. Larval mosquito control includes environmental manipulation, biological control, and chemical control.

Environmental manipulation decreases habitat availability for immature mosquitoes. It may include water management, such as conservative crop irrigation in the Coachella Valley in date and citrus orchards, removal of standing water in the urban areas, re-circulation of water at fish farms, and water disposal through evaporation, such as at duck clubs.

Biological control uses natural predators, parasites, or pathogens to suppress immature stages of mosquitoes. In the Coachella Valley, mosquitofish, *Gambusia affinis*, are the most widely used biocontrol agent. These fish are released annually in a variety of habitats, mostly in abandoned pools.

Chemical control presently includes products that are highly specific and have minimal impact on non-target organisms. These products include microbial control agents, such as *Bacillus thuringiensis israelensis* (Bti), *Lysinibacillus sphaericus* and spinosad. Microbial products control mosquito larvae within 24 - 48 hours, and Bti is used in short-term habitats, such as irrigated dates and citrus orchards. Microbial products with a longer residual, such as *Lysinibacillus sphaericus*, are mostly used at permanent habitats of *Culex tarsalis* where penetration of the product is not an issue, or is applied by air to force the granules through the dense vegetation. Products based on the microbial-derived spinosad toxins are an effective tool to control immature mosquitoes; at the doses used to control mosquitoes, there is little danger of non-target impacts. Spinosad-containing products come in a variety of formulations; some work quickly within 48 hours, and others have a residual effect of up to 180 days. Insect growth regulators, such as methoprene, are widely in use in permanent breeding sources of *Culex tarsalis*, for instance, salt marshes along the Salton Sea and duck club ponds. Lightweight oils and monomolecular surface films are also used, but have the drawback of suffocating non-target surface breathing aquatic organisms as well. These surface products are primarily used against sources with large numbers of pupae.

B. ADULT CONTROL

Adult mosquito control may be required as an additional measure to control populations of infected mosquitoes and stem an epidemic. Adult mosquito control products may be applied by ground-based equipment and airplanes or helicopters. Many factors need to be considered when selecting a pesticide and the target area for adult mosquito control treatments. These factors may include (1) efficacy against the target species or life cycle stages, (2) pesticide resistance (3) pesticide label requirements, (4) availability of pesticide and application equipment, (5) environmental conditions (6) cost, and (7) toxicity to non-target species, including humans. The products most likely used for adult mosquito control in the Coachella Valley include organophosphates, pyrethrin and pyrethroids. The two organophosphates that the District can use to control adult mosquitoes are malathion and naled. The pyrethrins and pyrethroids include active ingredients such as resmethrin, sumithrin, etofenprox, lambda-cyhalothrin, permethrin, prallethrin, deltamethrin, and esfenvalerate. These products may be applied with a synergist such as piperonyl butoxide (PBO). The District conducts routine evaluations of the effectiveness of the active ingredients against multiple mosquito populations to use the most effective suite of products.

V. RESPONSE LEVELS

The California Mosquito-borne Virus Surveillance and Response Plan is based on conditions that exist at three response levels identified as normal season, emergency planning, and epidemic conditions. Six risk factors that are analyzed to determine the appropriate response level include:

- Environmental conditions (wetland surface water area, rainfall, and temperature)
- Adult mosquito vector abundance
- Virus isolation rates from mosquitoes
- Infection rates in wild or domestic animals
- Human cases of mosquito-borne viruses
- Proximity of detected virus activity to urban or suburban regions

Sentinel chicken seroconversions should be used in areas where they are available. Each of these factors is rated on a scale of 1 to 5, with 5 representing conditions indicative of a high risk of human infection with a mosquito-borne virus. An average rating is determined for the six factors and is correlated with the response level as follows:

Level 1: Normal Season (1.0 to 2.5)

Level 2: Emergency Planning (2.6 to 4.0)

Level 3: Epidemic Conditions (4.1 to 5.0)

Tables 1 – 3 provide worksheets to assist in determining the appropriate rating for each of the risk factors. The term “average” refers to averages over non-epidemic years in a specific region, such as that within the boundaries of a local mosquito and vector control district. Averages typically are determined for the preceding five-year period. The roles and responsibilities of key agencies involved in carrying out the surveillance and response plan are outlined in “Key Agency Responsibilities.”

VI. MOSQUITO-BORNE VIRUS RISK ASSESSMENT TABLES

Table 1. West Nile virus

Table 1. WNV Surveillance Factor	Assessment Value	Benchmark	Value	
1. Environmental conditions Favorable environmental conditions in the Coachella Valley for virus multiplication or transmission Considers ambient temperature and rainfall for prior 2-week period	1	Temperature $\leq 56^{\circ}\text{F}$		
	2	Temperature 57 - 65°F		
	3	Temperature 66 - 72°F		
	4	Temperature 73 – 79°F		
	5	Temperature $> 79^{\circ}\text{F}$		
			<i>Cx tars</i>	<i>Cx quinq</i>
2. Adult <i>Culex tarsalis</i> and <i>Culex quinquefasciatus</i> abundance Area of North and West Shore in last 5 years = female mosquitoes /trap night for prior 2-week period.	1	Vector abundance well below average (<50%)		
	2	Vector abundance below average (50–90%)		
	3	Vector abundance average (90–150%)		
	4	Vector abundance above average (150–300%)		
	5	Vector abundance well above average (>300%)		
3. Virus isolation rate in <i>Culex tarsalis</i> and <i>Culex quinquefasciatus</i> mosquitoes Tested in pools of 50. Test results expressed as minimum infection rate (MIR) per 1,000 female mosquitoes tested for the prior 2-week period	1	MIR / 1000 = 0		
	2	MIR / 1000 = 0–1.0		
	3	MIR / 1000 = 1.1–2.0		
	4	MIR / 1000 = 2.1-5.0		
	5	MIR / 1000 > 5.0		
4. Dead bird infection Number of birds that have tested positive (recent infections only) for WNV during the prior 90 days.	1	No WN positive dead bird within 150 miles of District		
	2	WN positive dead bird within 150 miles of District		
	3	One WN positive dead bird in California		
	4	One WN positive dead bird in Coachella Valley.		
	5	Multiple WN positive dead bird reported in Coachella Valley		
5. Human cases Do not include this factor in calculations if no cases are detected in region	3	One or more human infections within 150 miles of District.		
	4	One human infection in Coachella Valley		
	5	Multiple human infections in Coachella Valley.		
			<i>Cx tars</i>	<i>Cx quinq</i>
Response Level / Average Rating: Normal Season (1.0 to 2.5) Emergency Planning (2.6 to 4.0) Epidemic (4.1 to 5.0)		TOTAL		

Table 2. Western Equine Encephalomyelitis virus

Table 2. WEEV Surveillance Factor	Assessment Value	Benchmark	Value
1. Environmental conditions Favorable environmental conditions in the Coachella Valley for virus multiplication or transmission Considers ambient temperature and rainfall for prior 2-week period	1	Cumulative rainfall and runoff well below average	
	2	Cumulative rainfall and runoff below average	
	3	Cumulative rainfall and runoff average	
	4	Cumulative rainfall and runoff above average	
	5	Cumulative rainfall and runoff well above average	
2. Adult <i>Culex tarsalis</i> abundance Area of North and West Shore in last 5 years = female mosquitoes /trap night/ month	1	Vector abundance well below average (<50%)	
	2	Vector abundance below average (50–90%)	
	3	Vector abundance average (90–150%)	
	4	Vector abundance above average (150–300%)	
	5	Vector abundance well above average (>300%)	
3. Virus isolation rate in <i>Culex tarsalis</i> mosquitoes Tested in pools of 50. Test results expressed as minimum infection rate (MIR) per 1,000 female mosquitoes tested	1	MIR / 1000 = 0	
	2	MIR / 1000 = 0–1.0	
	3	MIR / 1000 = 1.1–2.0	
	4	MIR / 1000 = 2.1-5.0	
	5	MIR / 1000 > 5.0	
4. Proximity to urban or suburban regions (score only if virus activity detected) Risk of outbreak is highest in urban areas because of high likelihood of contact between humans and vectors.	1	Virus detected in rural area	
	3	Virus detected in small town or suburban area	
	5	Virus detected in urban area	
5. Human cases Do not include this factor in calculations if no cases found in region or in agency.	3	One or more human cases within 150 miles of District	
	4	One human case in Coachella Valley.	
	5	More than one human case in Coachella Valley.	
Response Level / Average Rating: Normal Season (1.0 to 2.5) Emergency Planning (2.6 to 4.0) Epidemic (4.1 to 5.0)		TOTAL	
		AVERAGE	

Table 3. St. Louis Encephalitis virus

Table 3. SLEV Surveillance Factor	Assessment Value	Benchmark	Value	
1. Environmental conditions Favorable environmental conditions in the Coachella Valley for virus multiplication or transmission. Considers ambient temperature for prior 2-week period.	1	Temperature \leq 56°F		
	2	Temperature 57 - 65°F		
	3	Temperature 66 - 72°F		
	4	Temperature 73 – 79°F		
	5	Temperature $>$ 79°F		
			<i>Cx tars</i>	<i>Cx quinq</i>
2. Adult <i>Culex tarsalis</i> and <i>Culex quinquefasciatus</i> abundance Area of North and West Shore in last 5 years = female mosquitoes /trap night for prior 2-week period.	1	Vector abundance well below average (<50%)		
	2	Vector abundance below average (50–90%)		
	3	Vector abundance average (90–150%)		
	4	Vector abundance above average (150–300%)		
	5	Vector abundance well above average (>300%)		
3. Virus isolation rate in <i>Culex tarsalis</i> and <i>Culex quinquefasciatus</i> mosquitoes Tested in pools of 50. Test results expressed as minimum infection rate (MIR) per 1,000 female mosquitoes tested for the prior 2-week period	1	MIR / 1000 = 0		
	2	MIR / 1000 = 0–1.0		
	3	MIR / 1000 = 1.1–2.0		
	4	MIR / 1000 = 2.1-5.0		
	5	MIR / 1000 $>$ 5.0		
4. Human cases Do not include this factor in calculations if no cases are detected in region	3	One or more human infections within 150 miles of District		
	4	One human infection in Coachella Valley.		
	5	Multiple human infections in Coachella Valley.		
			<i>Cx tars</i>	<i>Cx quinq</i>
Response Level / Average Rating: Normal Season (1.0 to 2.5) Emergency Planning (2.6 to 4.0) Epidemic (4.1 to 5.0)	TOTAL			
	AVERAGE			

VII. CHARACTERIZATION OF CONDITIONS AND RESPONSES

Normal Season

Risk Rating: 1.0 – 2.5

Conditions:
<ul style="list-style-type: none">• Average or below average rainfall; average seasonal temperatures• Mosquito abundance at or below five-year average (key indicator = adults of vector species)• No virus isolations from mosquitoes• No equine cases• No recently infected arbovirus positive dead birds• No human cases
Response Activities by Role:
General Manager <ul style="list-style-type: none">• With Laboratory Manager, Operations Manager, and Public Information Manager, establish and maintain routine communication with local office of emergency services personnel; obtain Standardized Emergency Management System (SEMS) training• Ensure adequate emergency funding with Administrative Finance Manager
Laboratory Manager <ul style="list-style-type: none">• With General Manager, Operations Manager, and Public Information Officer establish and maintain routine communication with local office of emergency services personnel; obtain Standardized Emergency Management System (SEMS) training• With Public Information Manager, send routine notifications to physicians and veterinarians
Operations Manager <ul style="list-style-type: none">• With General Manager, Laboratory Manager, and Public Information Manager establish and maintain routine communication with local office of emergency services personnel; obtain Standardized Emergency Management System (SEMS) training• Coordinate routine mosquito larval control• Comply with National Pollutant Discharge Elimination System permit if applying pesticides to waters of the United States• Inventory pesticides and equipment

Public Information Manager

- Conduct routine public education (eliminate standing water around homes, use personal protection measures)
- Release routine press notices
- Send routine notifications to physicians and veterinarians

Vector Ecologist

- Conduct routine mosquito and virus surveillance activities
- Evaluate pesticide resistance in vector species

Emergency Planning
Risk Rating 2.6-4.0

<p>Conditions:</p> <ul style="list-style-type: none"> • Temperature and rainfall above average • Adult mosquito abundance >5-year average (150-300% above normal) • One or more virus isolations from mosquitoes (MIR / 1000 is <5) • Evidence of recent infection in 1-5 wild birds within the District • One human case within 150 miles of District • If WEEV, viral activity in small towns or suburban area
<p>Response Activities by Role:</p> <p>Laboratory Manager</p> <ul style="list-style-type: none"> • Coordinate epidemic response in consultation with General Manager • Review candidate pesticides for availability and susceptibility of vector mosquito species • Identify any special environmental compliance concerns in affected area and communicate with Lead District staff
<p>Operations Manager</p> <ul style="list-style-type: none"> • Review epidemic response plan • Increase surveillance and control of mosquito larvae • Coordinate localized chemical control of adult mosquitoes • Contact commercial applicators in anticipation of large scale adulticide applications
<p>Public Information Manager</p> <ul style="list-style-type: none"> • Review epidemic response plan • Enhance public education (include messages on signs and symptoms of encephalitis; seek medical care if needed; inform public about pesticide applications if appropriate) • Enhance information to public health providers • Ensure notification of key agencies of presence of viral activity, including the office of emergency services
<p>Vector Ecologist</p> <ul style="list-style-type: none"> • Review epidemic response plan • Increase adult mosquito surveillance • Increase number of mosquito pools tested for virus • Review candidate pesticides for availability and susceptibility of vector mosquito species

Epidemic Conditions
Risk Rating 4.1-5.0

<p>Conditions:</p> <ul style="list-style-type: none"> • Rainfall, temperature, wetland surface area well above average • Adult vector population extremely high (>300% above normal) • Virus isolates from multiple pools of mosquitoes (MIR /1000 > 5.0) • Increased seroprevalance rates in wild bird populations or die-off of susceptible species (more than 5) • One or more human cases in District • In the case of WEEV, virus detection in urban or suburban areas
<p>Response Activities by Role:</p> <p>General Manager and Administrative Finance Manager:</p> <ul style="list-style-type: none"> • Ensure adequate emergency funding • Determine whether a declaration of a local emergency should be considered by the County Board of Supervisors (or Local Health Officer) • Determine whether a declaration of a “State of Emergency” should be considered by the Governor at the request of designated county or city officials
<p>Administrative Finance Manager:</p> <ul style="list-style-type: none"> • Ensure state funds and resources are available to assist epidemic control efforts.
<p>Laboratory Manager:</p> <ul style="list-style-type: none"> • Coordinate epidemic response. • Coordinate the response with the local Office of Emergency Services or if activated, the Emergency Operation Center (EOC) • Request public health exemptions from FIFRA (40 CFR 166) and emergency tolerance exemptions (40 CFR 176) • With Operations Manager and Vector Ecologist, accelerate adult mosquito surveillance and control • Ensure remaining environmental compliance requirements are met.
<p>Operations Manager:</p> <ul style="list-style-type: none"> • With Laboratory Manager and Vector Ecologist, initiate mosquito surveillance and control in geographic regions without an organized vector control program • Continue enhanced larval surveillance and control of immature mosquitoes • Accelerate adult mosquito control
<p>Public Information Manager:</p> <ul style="list-style-type: none"> • Conduct full-scale media campaign • Alert physicians and veterinarians to expect cases

- Continue mosquito education and control programs until mosquito abundance is substantially reduced and no additional human cases are detected

Vector Ecologist:

- With Laboratory Manager and Operations Manager, initiate mosquito surveillance and control in geographic regions without an organized vector control program
- Broaden geographic coverage of adult mosquito surveillance and arbovirus testing.

VIII. PROGRAM SUPPORT

A. Key Agency Responsibilities

1. Local Mosquito and Vector Control Agencies

- Gather, collate, and interpret regional weather data
- Monitor abundance of immature and adult mosquitoes
- Collect and submit mosquito pools for virus isolation
- Pick up suitable dead birds and test for WNV
- Update the VectorSurv Gateway weekly to record all mosquito samples and birds that are tested
- Conduct routine control of immature mosquitoes
- Conduct control of adult mosquitoes when needed
- Comply with NPDES permit if applying pesticides to or near water of the United States
- Educate public on mosquito avoidance and reduction of mosquito sources
- Coordinate with local Office of Emergency Services personnel
- Communicate regularly with neighboring agencies

2. Mosquito and Vector Control Association of California

- Coordinate purchase of sentinel chickens
- Receive, track, and disburse payment for surveillance expenses
- Coordinate surveillance and response activities among member agencies
- Serves as spokesperson for member agencies
- Establish liaisons with press and government officials

3. California Department of Public Health

- Provide and maintain Vector Control Technician Certification program
- Maintain a WNV information hotline, 1-877-WNV-BIRD, and a website (<http://westnile.ca.gov>).
- Test sentinel chicken sera for viral antibodies
- Coordinate surveillance for human infections and conduct epidemiological investigations of cases of human disease
- Coordinate and oversee testing and acquisition of human specimens for virus and antiviral antibodies.
- Distribute a weekly bulletin summarizing surveillance test results
- Report weekly surveillance results to the CDC ArboNET surveillance system.
- Immediately notify local vector control agency and public health officials when evidence of viral activity is found
- Coordinate and participate in regional emergency response in conjunction with California Emergency Management Agency
- Provide oversight to local jurisdictions without defined vector-borne disease control program
- Maintain inventory of antigens, antisera, and RNA assays to detect exotic viruses
- Provide confirmation of tests done by local agencies

4. University of California at Davis, Davis Arbovirus Research and Training (DART)

- Conduct research on arbovirus surveillance, transmission of mosquito-borne pathogens, and mosquito ecology and control
- Provide support for testing mosquito and dead bird samples for endemic and exotic arboviruses
- Provide a panel of tests for a wide range of viruses for identification of viruses from human, equine, bird, or arthropod vectors
- Maintain an interactive website (<https://ca.vectorsurv.org/>) for dissemination of mosquito-borne virus information and data
- Maintain inventory of antigens and antisera to detect exotic viruses
- Provide confirmation of tests done by local or state agencies

5. California Department of Food and Agriculture

- Notify veterinarians and veterinary diagnostic laboratories about WEEV and WNV testing facilities available at California Animal Health and Food Safety Laboratory
- Provide outreach to general public and livestock and poultry producers on the monitoring and reporting of equine and ratite encephalitides
- Facilitate equine sample submission from the field
- Conduct investigations of confirmed WNV and WEEV equine cases and notify CDPH of positive equines.

6. Local Health Departments and Public Health Laboratories

- Test human specimens for arboviruses
- Refer human specimens to CDPH for further testing
- Notify local medical community, including hospitals and laboratories, if evidence of viral activity present
- Participate in emergency response
- Conduct epidemiological investigations of cases of human disease
- Report human arbovirus cases to CDPH
- Conduct public outreach and education

7. California Emergency Management Agency

- Coordinate the local, regional, or statewide emergency response under epidemic conditions in conjunction with CDPH via the Standardized Emergency Management System (SEMS)
- Serve as liaison with the Federal Emergency Management Agency (FEMA) in the event that a federal disaster has been declared

8. State Water Resources Control Board

- Review NPDES permit applications and respond in a timely manner

9. Centers for Disease Control and Prevention

- Provide consultation to state and local agencies in California if epidemic conditions exist
- Provide national surveillance data to state health departments
- Provide diagnostic consultation

B. Equipment

Monitoring of emergency levels of larvicide and adulticide control products will be done on a monthly basis and displayed in the monthly district inventory sheets located on the district M drive at M:\Mosquito\Inventory. If larvicide or adulticide levels fall below or are in danger of falling below the emergency treatment level capability, steps will be taken to replenish inventory levels to meet the emergency requirements.

APPLICATION EQUIPMENT

<i>Equipment</i>	<i>Number in use</i>
1. Hand Cans (1 gal)	43
2. Maruyama Backpack Sprayers (Granular)	30
3. Maruyama Backpack Sprayer (Liquid)	2
4. Stihl Backpack Sprayers (Liquid)	15
5. Hand Backpack Sprayers	39
6. Argo – all-terrain vehicle	1
7. Powered Liquid Skid Mounted Sprayer	5
8. ATV - quadbike	3
9. ATV - ranger	2
10. London Fog ULV Model 18-20	2
11. Guardian Model 190ES ULV Sprayer	1
12. Guardian Model 190G4 ULV Sprayer	2
13. Longray Portable Electric Fog Generator	3
14. Colt Hand Portable Fog Generator	8
15. A1 Super Duty Mister	2
16. Twister (Liquid)	2
17. Birchmeirer 4 Gal Liquid Backpack Sprayer	7

18. SP1 5 Gal Gas-powered Liquid Backpack Sprayer	1
19. SP2 5 Gal Gas-powered Liquid Backpack Sprayer	1
20. Micronair Liquid Barrier Sprayer	1
21. 16 Gal Power Sprayer	1
22. Polaris 15 Gal electric pump sprayer	2
23. Herd Spreader for Ranger	3

Aerial applicators available for contact

Salton Sea Air Service, Inc.
 101-111 Desert Air Drive
 North Shore, CA 92254

OceanAir Helicopters
 16603 Vesper Road
 Valley Center, CA 92082

Clarke Environmental Mosquito
 Management, Inc.
 110 East Irving Park Road, 4th Floor
 Roselle, IL 60172-9963
 Telephone: (800) 323-5727

Vector Disease Control International
 (VDCI)
 1320 Brookwood Drive, Suite H
 Little Rock, AR 72202
 Telephone: (800) 413-4445

C. Control Products

LARVAL CONTROL

Products – The District will maintain an emergency level of larval control product inventory to control mosquito breeding at the following listed levels for 14 consecutive days. This level would be sufficient for District personnel to evaluate the scope and magnitude of the emergency, formulate a specific response plan, and procure additional control products if needed.

The following products are stored at the District and emergency response amounts will be available in combination to treat the listed acreage during the specified season. A combination of products within the same classification can fulfill the emergency requirements. The Maximum Product Required listed in the table is the amount required to fulfill the required treatment capability, provided that no other product within that category is available. The combined acreage capability for each classification of product is displayed in the monthly inventory spreadsheet located at M:/Mosquito/Inventory.

LARVAL CONTROL PRODUCT INVENTORY EMERGENCY RESERVE

Product	Classification	Treatment Rate	Maximum Product Required	Required Treatment Capability and Seasonal Availability
PUPACIDES				
Agnique MMF	Pupacide (liquid)	1 gal./acre	80 gals.	40 acres for 14 days – year-round Retreat after 7 days 80 acres treated
CocoBear Mosquito Larvicide	Pupacide (liquid)	3 gal./acre	240 gals.	
INSECT GROWTH REGULATORS - methoprene				
MetaLarv S-PT	IGR (granule)	10 lbs./acre	2500 lbs. – April-Oct. 1500 lbs. – Nov.-March	250 acres April through October; 150 acres November through March.
Altosid Liquid	IGR (liquid)	4 oz./acre	15.6 gal. – April-Oct. 9.4 gal. – Nov.-March	Altosid Liquid – re-treat after 7 days 500 acres April – October treated. 200 acres November – March treated.
Altosid Pellets	IGR (granule)	7.5 lbs./acre	2500 lbs. – April-Oct. 1500 lbs. –	Altosid Pellets – re-treat after 42 days MetaLarv S-PT – re-treat after 42

			Nov-March	days 250 acres April - October treated 150 acres November - March treated
BACTERIAL PRODUCTS - Bti, <i>Lysinibacillus sphaericus</i>				
Aquabac 200G	Biological (granule)	10 lbs./acre	5000 lbs. - April - October	250 acres for 14 days - April through October Retreat after 7 days 500 acres treated
VectoBac 12AS	Biological (liquid)	16 oz./acre	62.5 gals. - April - October	
VectoBac G	Biological (granule)	10 lbs./acre	5000 lbs. - April - October	
VectoBac WDG	Biological (granule)	7 oz./acre	219 lbs. - April - October	
VectoLex WDG	Biological (granule)	1 lb./acre	250 lbs. - April - October	
VectoMax FG	Biological (granule)	10 lbs./acre	5000 lbs. - April - October	
SPINOSAD PRODUCTS				
Censor	Spinosad (granule)	9 lbs./acre	3000 lbs. April-Oct. 1200 lbs. Nov.-March	250 acres for 14 days - April through October. 100 acres for 14 days - November through March. Censor, Natular 20EC, and Natular G - Retreat after 7 days. 500 acres April - October treated. 200 acres November - March treated. Natular G30 - Retreat after 30 days. 250 acres April - October treated. 100 acres November - March treated.
Natular G	Spinosad (granule)	9 lbs./acre	1500 lbs. April-Oct. 600 lbs. Nov.-March	
Natular 20EC	Spinosad (liquid)	6.4 oz./acre	25 gals. April-Oct. 10 gals. Nov.-March	
Natular G30	Spinosad (granule)	10 lbs./acre	2500 lbs. April-Oct. 1000 lbs. Nov.-March	

ADULT CONTROL

Products – District emergency adult mosquito control product inventory for rural areas of the Coachella Valley is estimated to be 250 acres (35,000 linear feet), for 10 days of ground treatment, plus 640 acres for 10 days for aerial ULV treatments. Urban control is estimated to be 250 acres, (35,000 linear feet), for 10 days ground ULV. In addition, barrier treatment products capable of treating 4 acres, (29,000 linear feet by 6 foot), will also be available for emergency response. This level would be sufficient for district personnel to evaluate the scope and magnitude of the emergency, formulate a specific response plan, and procure additional control products if needed. A combination of products within the same classification can fulfill the emergency requirements. The Maximum Product Required listed in the table is the amount required to fulfill the required treatment capability, provided that no other product within that category is available. The combined acreage capability for each classification of product is displayed in the monthly inventory spreadsheet located at M:/Mosquito/Inventory.

District personnel may substitute products based on product availability, mosquito population resistance studies, and environmental impacts.

ADULT CONTROL PRODUCT INVENTORY EMERGENCY RESERVE

Adulticide Product	Classification	Treatment Rate	Maximum Product Required	Treatment Capability
Aqua-Reslin	Adulticide	0.356 oz. Aqua-Reslin/ Acre	23.7 gals.	6400 acres – rural fogging
Duet	Adulticide	1.28 oz. Duet/Acre	85 gals.	
EverGreen 5-25	Adulticide	0.876 oz. EverGreen 5-25/Acre	60.9 gals.	2500 acres – urban fogging
DeltaGard	Adulticide	1.007 oz. DeltaGard/Acre	39.3 gals.	2500 acres – urban fogging (no rural)
Aqua-Reslin	Barrier Spray	7.7 fl. oz./Acre barrier treatment	0.25 gals.	4 acres Barrier treatments
Demand CS	Barrier Spray	10 fl. oz./ Acre barrier treatment	0.32 gals.	

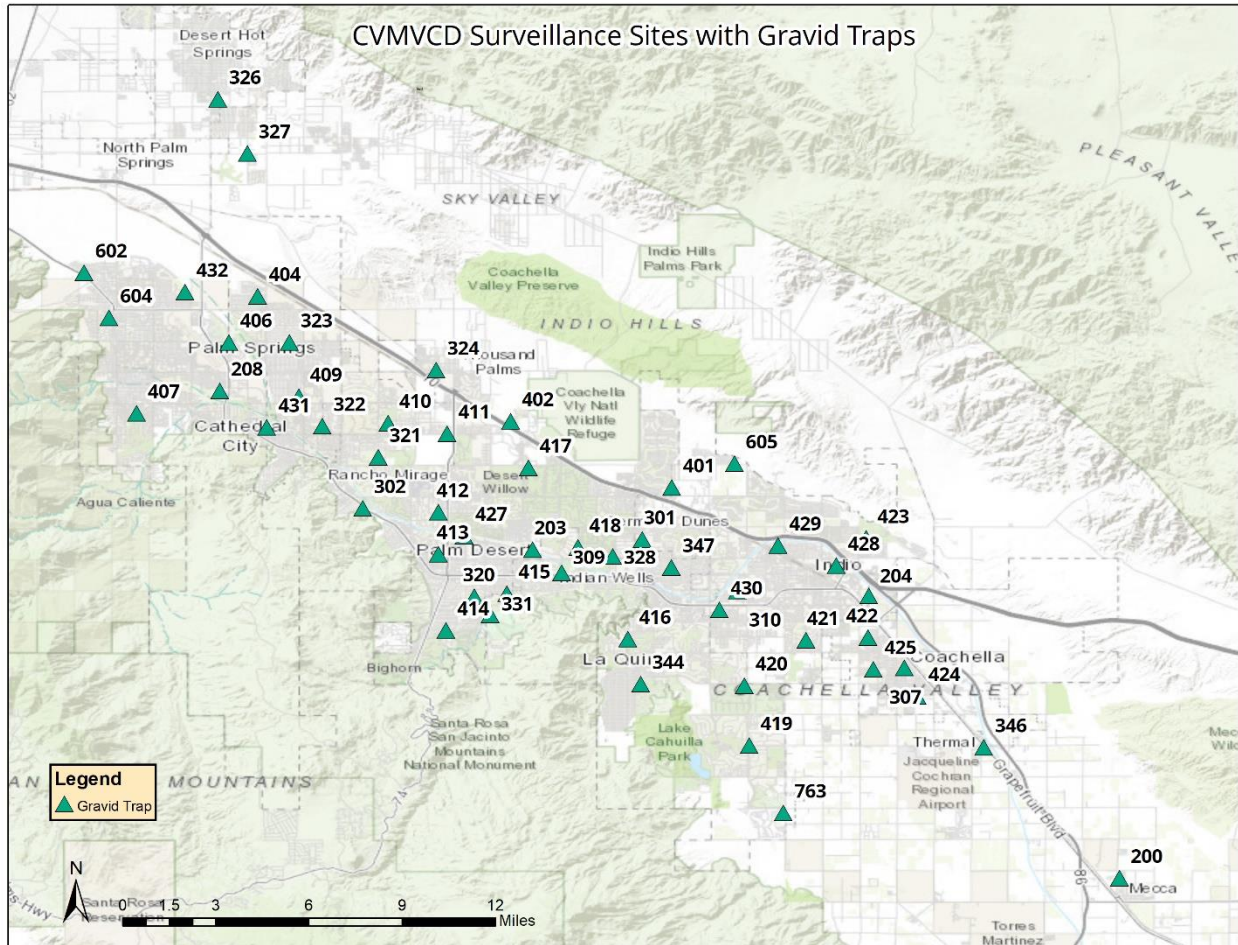
EMERGENCY CONTROL PRODUCT MONITORING

Monitoring of emergency levels of larvicide and adulticide control products will be done on a monthly basis and displayed in the monthly district inventory sheets located on the district M drive at M:\Mosquito\Inventory. If larvicide or adulticide levels fall below or are in danger

of falling below the emergency treatment level capability, steps will be taken to replenish inventory levels to meet the emergency requirements.

IX. APPENDICES

Appendix A.1 - Map of Surveillance Locations with Gravid Traps in the Coachella Valley



Appendix A.2 – List of Sites with Gravid Trap Locations in the Coachella Valley

No.	Site ID	City	Location Description
1	200	Mecca	Lincoln and Avenue 65
2	203	Palm Desert	Cook St and Sheryl Ave
3	204	Indio	Van Buren St and Enterprise Way
4	208	Palm Springs	Mesquite Ave and S Gene Autry Trl
5	301	Bermuda Dunes	End of Hidden River Rd
6	302	Rancho Mirage	Thunderbird Rd and Hwy 111
7	307	Coachella	6 th St and Palm Ave
8	309	Indian Wells	El Dorado Dr and Hwy 111
9	311	Indio	Madison St and Avenue 46
10	320	Palm Desert	Portola Ave and Fairway Dr
11	321	Rancho Mirage	Frank Sinatra Dr and Da Vall Dr
12	322	Cathedral City	Plumley Rd and Gerald Ford Dr
13	323	Cathedral City	Ximino Rd and 30 th Avenue
14	324	Thousand Palms	Robert Rd and Ramon Rd
15	326	Desert Hot Springs	Verbena Dr and Park Ln
16	327	Desert Hot Springs	Bubbling Wells Rd and 18 th Avenue
17	328	Palm Desert	Texas Ave by Fred Waring
18	331	Palm Desert	Portola Ave and Haystack Rd
19	344	La Quinta	Avenida Bermudas and 52 nd Ave
20	346	Thermal	Grapefruit Blvd and Airport Blvd
21	347	La Quinta	Miles Ave and Adams St
22	401	Palm Desert	Apricot Ln and Nectarine Dr
23	402	Thousand Palms	Jack Ivey Dr and Stage Line Dr
24	404	Cathedral City	Landau Blvd and Ontina Rd
25	406	Palm Springs	Gene Autry Trl and Clubhouse View Dr
26	407	Palm Springs	S Camino Real and E La Verne Way
27	409	Cathedral City	Date Palm Dr and Ortega Rd
28	410	Rancho Mirage	Gerald Ford Dr and Inverness Dr
29	411	Rancho Mirage	Orleans Rd and Victor Hugo Rd
30	412	Rancho Mirage	Verbenia Rd and Monterey Ave
31	413	Palm Desert	Monterey Ave and Parkview Dr
32	414	Palm Desert	Mesa View and Racquet Ln
33	415	Indian Wells	Vintage Dr W and Wren Dr
34	416	La Quinta	Avenida El Nido & Avenida Fernando
35	417	Palm Desert	Vista Royal Dr and Desert Falls Dr
36	418	Indian Wells	Via Orvieto and Via Uzzano
37	419	La Quinta	Madison St and Airport Blvd
38	420	La Quinta	Madison St and 52 nd Avenue
39	421	Indio	Jackson St and Avenue 50

40	422	Coachella	Avenue 49 and Van Buren St
41	423	Indio	Golf Center Pkwy and Avenue 43
42	424	Coachella	Genoa St and Avenue 53
43	425	Coachella	Frederick St and Avenue 51
44	427	Palm Desert	Monterey Ave and Magnesia Falls Dr
45	428	Indio	Dillon Ave and Palo Verde St
46	429	Indio	Oleander Ave and Monroe St
47	430	Indio	Hwy 111 and Jefferson St
48	431	Palm Springs	Cathedral Canyon Dr and Paseo Azulejo
49	432	Palm Springs	Whitewater Club and N Farrell Dr
50	602	Palm Springs	N Palm Canyon Dr and W Gateway Dr
51	604	Palm Springs	N Palm Canyon and E Vista Chino
52	605	Indio	Madison St and Avenue 38
53	763	La Quinta	Avenue 60 and Monroe St

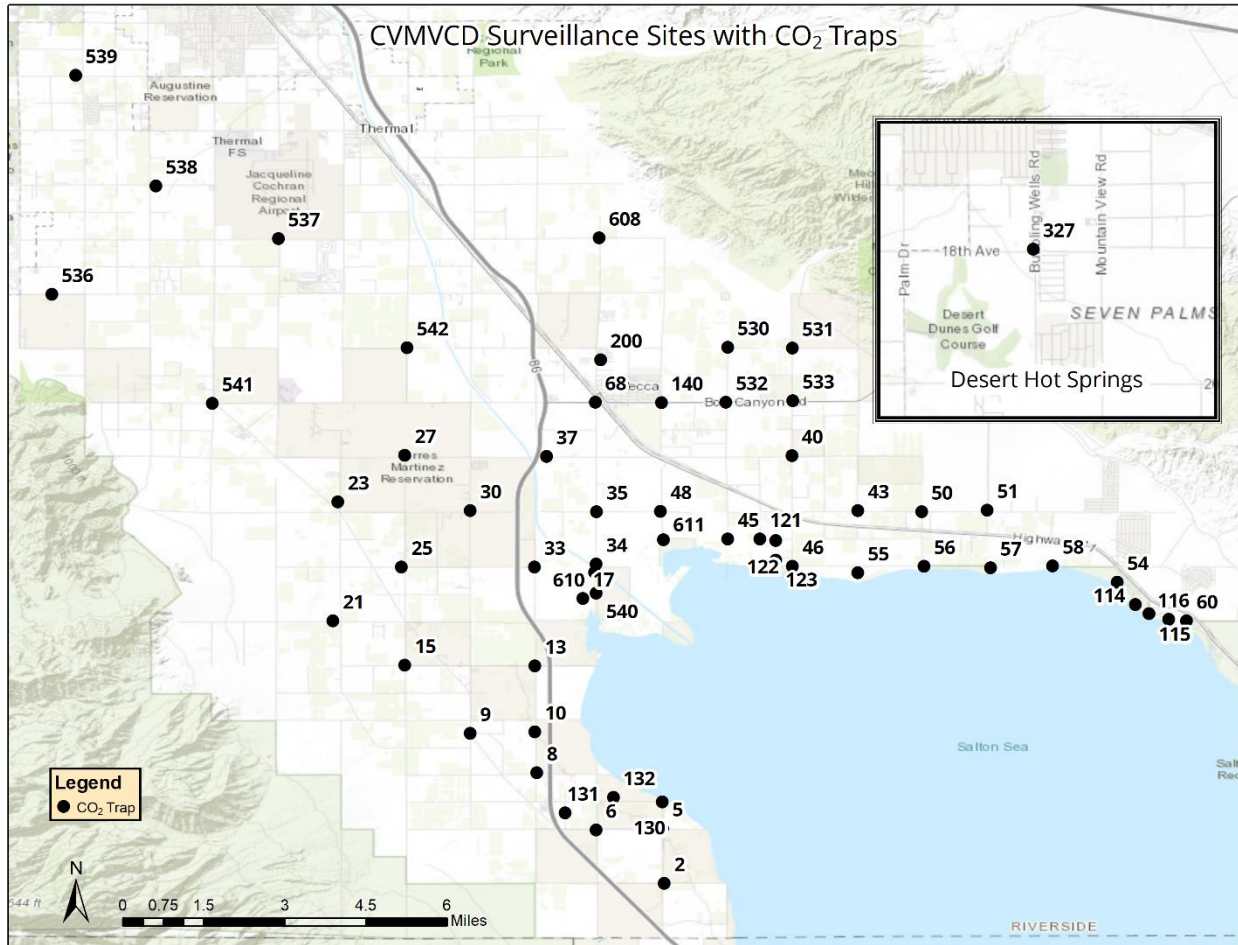
Appendix B.2 – List of Sites with BG-Sentinel Trap Locations in the Coachella Valley

No.	Site ID	City	Location Description
1	200	Mecca	Lincoln & Avenue 64
2	203	Palm Desert	Cook St and Sheryl Ave
3	302	Rancho Mirage	Thunderbird Rd and Hwy 111
4	307	Coachella	6th St and Palm Ave
5	320	Palm Desert	Portola Ave and Fairway Dr
6	321	Rancho Mirage	Frank Sinatra Dr and Da Vall Dr
7	322	Cathedral City	Plumley Rd and Gerald Ford Dr
8	331	Palm Desert	Portola Ave and Haystack Rd
9	344	La Quinta	Avenida Bermudas and 52nd Ave
10	346	Thermal	Grapefruit Blvd and Airport Blvd
11	347	La Quinta	Miles Ave and Adams St
12	407	Palm Springs	S Camino Real and E La Verne Way
13	410	Rancho Mirage	Gerald Ford Dr and Inverness Dr
14	411	Rancho Mirage	Orleans Rd and Victor Hugo Rd
15	413	Palm Desert	Monterey Ave and Parkview Dr
16	415	Indian Wells	Vintage Dr W and Wren Dr
17	416	La Quinta	Avenida El Nido & Avenida Fernando
18	418	Indian Wells	Via Orvieto and Via Uzzano
19	420	La Quinta	Madison St and 52nd Ave
20	421	Indio	Jackson St and Ave 50
21	427	Palm Desert	Monterey Ave and Magnesia Falls Dr
22	431	Palm Springs	Cathedral Canyon Dr and Paseo Azulejo
23	701	Indio	North Jackson Park
24	708	Indio	Kenner Ave and Oasis St
25	718	Coachella	Harrison St and Avenue 52
26	726	Palm Springs	S Palm Canyon Dr and W El Camino Way
27	728	Palm Springs	E Palm Canyon Dr and S Camino Real
28	736	Coachella	Avenue 50 and Frederick St
29	753	Mecca	7th Street and Date Palm St
30	756	Mecca	4th Street and Brown St
31	763	La Quinta	Ave 60 and Monroe St
32	765	Coachella	Tyler St and Calle Bouganvilia
33	766	Coachella	Avenue 53 and Shady Lane
34	767	Coachella	Avenue 50 and Frederick St
35	768	Coachella	Jackson St and Avenue 48
36	769	Indio	Jackson St and Avenue 44
37	770	Indio	Jackson St and Dr. Carreon Blvd
38	771	Indio	Indio Blvd and Clinton St
39	772	Indio	Clinton St and Date Palm Ave

40	773	Indio	Highway 111 and Dr. Carreon Blvd
41	774	Indio	Avenue 48 and Shields Rd
42	775	Palm Desert	Fred Waring Dr and Warner Trail
43	776	La Quinta	Desert Stream and Dune Palms Rd
44	778	La Quinta	52nd Avenue and Washington St
45	779	La Quinta	Eisenhower Dr and Calle Madrid
46	780	Palm Desert	Monterey Ave and San Gorgonio Way
47	781	Palm Desert	Buttonwood and Deep Canyon Rd
48	782	Palm Desert	Ironwood Street and Shadow Mountain Dr
49	783	Palm Desert	Portola Ave and Shadow Mountain Dr
50	785	Palm Desert	Portola Ave and Vintage Dr W
51	786	Cathedral City	Date Palm Dr and Tachevah Dr
52	787	Cathedral City	Ramon Rd and Date Palm Dr
53	788	Cathedral City	San Diego Dr and San Jose Dr
54	789	Cathedral City	Date Palm Dr and 33rd Ave
55	790	Cathedral City	E Palm Canyon and Cathedral Canyon Dr
56	791	Palm Springs	34th Avenue and Golf Club Dr
57	792	Cathedral City	33rd Avenue and Cathedral Canyon Dr
58	793	Cathedral City	Bluegrass Way and Camrose Dr
59	794	Palm Desert	Highway 74 and Mesa View Dr
60	799	La Quinta	Washington St and Avenue 48
61	800	Indian Wells	Highway 111 and El Dorado Dr
62	813	Indian Wells	Iroquois Dr and Club Terrace Dr
63	814	Palm Desert	Deep Canyon Rd and Candlewood St
64	815	Indian Wells	Fairway Dr and Rancho Palmeras Dr
65	816	Indian Wells	Quail Run and Cottonwood Cove
66	817	Indian Wells	Miles Ave and Highway 111
67	818	Cathedral City	Gerald Ford Dr and Plumley Rd
68	819	Cathedral City	Da Vall Dr and Sunny Lane
69	820	Palm Springs	W Chino Canyon Rd and W Panorama Rd
70	821	Palm Springs	Patencio Rd and Hermosa Pl
71	822	Palm Springs	N Sunrise Way and E Paseo El Mirador
72	823	Palm Springs	E Alejo Rd and N Sunrise Way
73	824	Palm Springs	E Sonora Rd and S Farrell Dr
74	825	Palm Springs	Calle Palo Fierro and Avenida Granada
75	826	Palm Springs	S Tahquitz Dr and W Baristo Rd
76	827	Rancho Mirage	Sunny Lane and Da Vall Dr
77	828	Rancho Mirage	Highway 111 and Mirage Cove Dr
78	829	Rancho Mirage	Highway 111 and Camino Del Sol
79	830	Rancho Mirage	Desert Sun and Country Club Dr
80	831	Rancho Mirage	Bob Hope Dr and Country Club Dr
81	832	Rancho Mirage	Bob Hope Dr and Palm Crest Dr
82	833	Rancho Mirage	Halgar Rd and Dunes View Rd

83	834	Rancho Mirage	Clancy Ln and Monterey Ave
84	835	Desert Hot Springs	Indian Canyon Dr and Mission Lakes Blvd
85	836	Desert Hot Springs	West Dr and Avenida Barona
86	837	Desert Hot Springs	San Ardo Rd and Verbena Dr
87	838	Desert Hot Springs	6th St and Palm Dr
88	839	Desert Hot Springs	Estrella Ave and Verbena Dr
89	840	Desert Hot Springs	McCarger Rd and Hacienda Ave
90	841	Desert Hot Springs	Verbena Dr and Two Bunch Palms Trail
91	842	Desert Hot Springs	Dillon Rd and Bubbling Wells Rd
92	843	Northshore	68th Ave and Bounty Ave
93	844	Northshore	72nd Ave and Windlass Dr
94	845	Northshore	70th Ave and Vander Veer Rd

Appendix C.1 – Map of Surveillance Locations with only CO₂ Traps in the Coachella Valley



Appendix C.2 – List of Surveillance Locations with only CO₂ Traps in the Coachella Valley

<i>No.</i>	<i>Site ID</i>	<i>City</i>	<i>Site Description</i>
1	2	Oasis	Johnson and Avenue 84
2	5	Oasis	Johnson and Avenue 82
3	6	Oasis	Lincoln and Avenue 82
4	8	Oasis	Buchanan and Avenue 80
5	9	Thermal	Pierce and King St
6	10	Oasis	Buchanan and Avenue 79
7	13	Thermal	Buchanan and Avenue 76
8	15	Thermal	Filmore and Avenue 76
9	17	Thermal	Lincoln and Avenue 73
10	21	Thermal	Polk and Avenue 74
11	23	Thermal	Polk and Avenue 70
12	25	Thermal	Filmore and Avenue 72
13	27	Thermal	Filmore and Avenue 68
14	30	Thermal	Pierce and Avenue 70
15	33	Thermal	Buchanan and Avenue 72
16	34	Mecca	Lincoln and Avenue 72
17	35	Mecca	Lincoln and Avenue 70
18	37	Mecca	Buchanan and Avenue 68
19	40	Mecca	Hayes and Avenue 68
20	43	Mecca	Garfield and Avenue 70
21	45	Mecca	Grant and Avenue 71
22	46	Mecca	Hayes and Avenue 72
23	48	Mecca	Johnson and Avenue 70
24	50	Mecca	Arthur and Avenue 70
25	51	Northshore	Cleveland and Avenue 70
26	54	Northshore	Vanderveer and Avenue 73
27	55	Mecca	Garfield and Avenue 72
28	56	Northshore	Arthur and Avenue 72
29	57	Northshore	Cleveland and Avenue 72
30	58	Northshore	Avenue 72 East of Cleveland
31	60	Northshore	Salton Sea State Park
32	68	Mecca	Lincoln and Avenue 66
33	114	Northshore	Desert Mobile Home Park
34	115	Northshore	Mecca Ave and Tripoli Dr
35	116	Northshore	South of Tripoli Rd
36	121	Mecca	Colfax and Ave 71
37	122	Mecca	East of Colfax and Avenue 71
38	123	Mecca	Avenue 72 between Hayes and Colfax

39	130	Oasis	Johnson and Avenue 81
40	131	Oasis	Avenue 81 and Buchanan
41	132	Oasis	Johnson and Avenue 81
42	200	Mecca	Lincoln and Avenue 65
43	140	Mecca	Johnson and Avenue 66
44	327	Desert Hot Springs	Bubbling Wells Rd and 18th Avenue
45	530	Mecca	Grant and Avenue 64
46	531	Mecca	Hayes and Avenue 64
47	532	Mecca	Grant and Avenue 66
48	533	Mecca	Hayes and Avenue 66
49	536	Thermal	Orchid and Avenue 62
50	537	Thermal	Tyler and Avenue 60
51	538	Thermal	Van Buren and Avenue 58
52	539	Thermal	Jackson and Avenue 54
53	540	Mecca	Lincoln and Avenue 73
54	541	Mecca	Harrison and Avenue 66
55	542	Mecca	Fillmore and Avenue 64
56	608	Mecca	Lincoln and Avenue 60
57	610	Mecca	Torres Martinez Wetland
58	611	Mecca	End of Johnson and Avenue 70

Appendix D – Table 4. Annual and monthly total and average rainfall (in.) for the Coachella Valley

MONTH	2018	2019	2020	2021	2022	5-year Average
JANUARY	0.41	0.57	0	0.3	0	0.256
FEBRUARY	0	1.29	0	0	0.02	0.262
MARCH	0	0.17	2.17	0.01	0.01	0.472
APRIL	0	0	0.72	0	0	0.144
MAY	0	0.01	2.89	0	0	0.58
JUNE	0	0	0	0	0	0
JULY	0	0.44	0	0.44	0	0.176
AUGUST	0.12	0	0	0.17	0	0.058
SEPTEMBER	0.02	0.51	0	0	0.05	0.116
OCTOBER	0.82	0	0	0.01	0.01	0.168
NOVEMBER	0	0.58	0	0	0.04	0.124
DECEMBER	0.09	1.42	0.21	0.13	0.03	0.376
YEAR TOTAL	1.46	4.99	5.99	1.06	0.16	2.732

*This data used for surveillance factor # 1 in the Mosquito-Borne Virus Risk Assessment Table calculations for WNV, WEEV, and SLEV on pages 9 – 11 of the Coachella Valley Mosquito-Borne Virus Surveillance and Emergency Response Plan. Data is from weather station KTRM in Thermal, CA (KPSP data is used if no information is available from KTRM).

Appendix E – Table 5. Average Minimum and Maximum temperatures (°F) in the Coachella Valley

Month	2018			2019			2020			2021			2022			5-Year Average		
	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min
Jan 1-15	78	61	45	66	52	40	70	52	37	75	55	38	71	52	33	71.99	54.40	38.64
Jan 16-31	78	61	42	74	60	47	75	58	43	69	55	41	74	57	40	74.15	58.29	42.70
Feb 1-14	84	65	46	66	54	42	70	55	38	77	62	46	79	61	42	75.16	59.39	42.87
Feb 15-28	71	55	39	68	56	43	81	62	44	76	58	38	73	57	38	73.74	57.62	40.49
Mar 1-15	81	65	49	76	66	54	75	61	45	75	60	44	76	61	45	76.52	62.70	47.41
Mar 16-31	86	70	54	85	71	56	74	63	53	82	67	50	87	71	54	82.70	68.36	53.41
Apr 1-15	95	78	60	89	75	61	78	67	56	94	79	63	88	73	57	88.85	74.53	59.36
Apr 16-30	94	78	61	95	82	66	95	80	64	90	76	59	91	76	60	93.05	78.35	61.96
May 1-15	97	81	65	93	80	68	99	86	71	97	82	62	94	79	55	96.05	81.42	64.36
May 16-31	98	83	69	88	76	64	99	85	68	95	82	66	97	81	63	95.40	81.38	65.94
Jun 1-15	107	90	72	105	89	72	101	87	70	104	88	70	105	89	70	104.39	88.71	70.91
Jun 16-30	107	89	72	104	90	73	104	90	75	111	95	59	106	92	75	106.43	91.20	70.71
Jul 1-15	111	96	81	110	95	79	109	95	71	109	93	65	108	94	78	109.41	94.54	74.83
Jul 16-31	112	99	84	109	97	81	111	96	80	107	95	82	107	95	83	109.05	96.50	81.85
Aug 1-15	111	98	83	111	98	83	111	96	79	109	96	81	90	74	59	106.33	92.41	76.91
Aug 16-31	109	94	78	110	97	81	110	98	85	106	92	77	106	95	81	108.20	95.17	80.56
Sep 1-15	108	89	68	106	92	77	107	94	79	106	92	75	100	89	79	105.33	91.27	75.49
Sep 16-30	106	88	70	95	81	67	107	93	77	98	83	68	100	87	73	101.20	86.49	70.99
Oct 1-15	90	79	66	90	73	55	102	82	60	89	73	58	96	83	69	93.44	77.93	61.64
Oct 16-31	92	75	57	88	70	51	91	71	46	86	69	52	86	71	56	88.46	71.18	52.40
Nov 1-15	85	67	47	87	64	45	82	64	48	88	69	52	73	59	45	83.00	64.62	47.31
Nov 16-30	79	62	44	73	58	45	79	60	43	81	61	44	74	56	39	77.07	59.36	43.04
Dec 1-15	71	57	43	69	57	46	73	60	48	73	55	40	66	51	35	70.36	55.99	42.23
Dec 16-31	72	57	41	64	50	38	70	58	47	66	53	39	68	51	37	67.96	53.74	40.44

* This data used for surveillance factor # 1 in the Mosquito-Borne Virus Risk Assessment Table calculations for WNV, WEEV, and SLEV on pages 9 – 11 of the Coachella Valley Mosquito-Borne Virus Surveillance and Emergency Response Plan. Data is from weather station KTRM in Thermal, CA with KPSP in Palm Springs as a backup.

Appendix F – Risk Assessment Maps

The seasonal transmission risk of the arboviruses WNV, WEEV, and SLEV in the Coachella Valley, among other factors, is related to temperature, rainfall, mosquito infection rates, vector abundance, and population size of vertebrate hosts. Some of these factors are used on a bi-weekly basis to determine the level of risk for WNV, SLEV, and WEEV transmission in various areas or zones of the Valley. Some of the zones used to calculate arbovirus transmission risk are shown in the figures below. For the surveillance zones around the Salton Sea (Figure 3), tables 6, 7, and 8 present the average number of *Cx. tarsalis* and *Cx. quinquefasciatus* female mosquitoes per trap per month.

Figure 1 – Map of the Coachella Valley risk assessment zone.



Figure 2 – Map of urban and agricultural risk assessment zones.

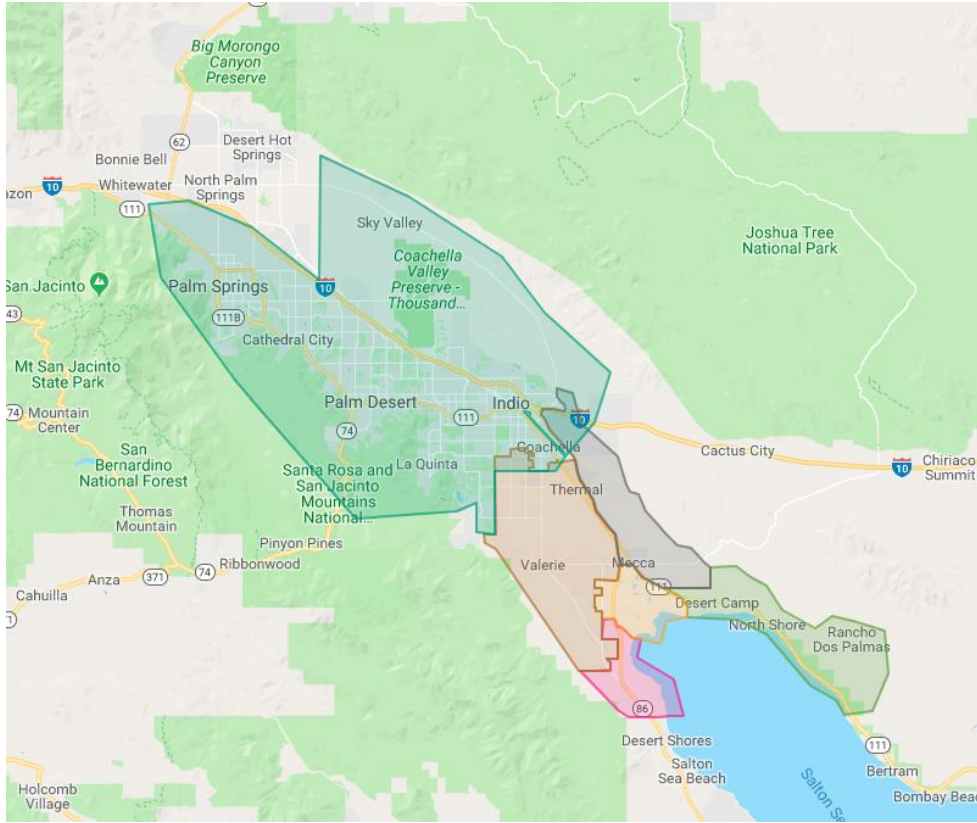


Figure 3 – Map of Salton Sea Shoreline Risk Assessment Zones

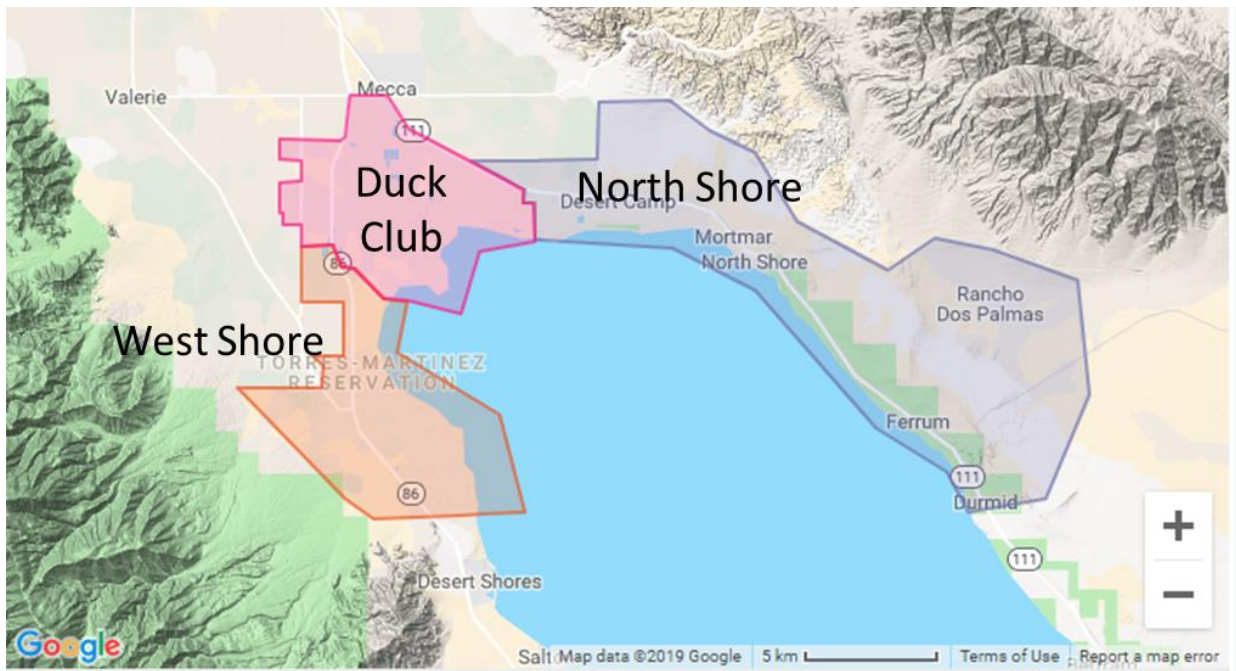


Table 6. North Shore Average Number of Vector Mosquitoes

MONTH	2018	2019	2020	2021	2022	<i>5-year Average</i>
JAN	204.5	14.33	81.33	207	18.67	<i>105.166</i>
FEB	444	11.67	45.67	67	214.33	<i>156.534</i>
MAR	260.25	175	284.78	456.13	269.63	<i>289.158</i>
APR	515.25	536.67	715.79	444.04	259.25	<i>494.2</i>
MAY	164.17	356.36	929.85	146.83	130.21	<i>345.484</i>
JUN	64.21	138.15	118.83	92.36	128.64	<i>108.438</i>
JUL	7.91	22.96	24.5	5.42	54.06	<i>22.97</i>
AUG	16.88	1.59	33.87	18.04	68.95	<i>27.866</i>
SEP	41.48	28.13	76.59	203.42	68.8	<i>87.405</i>
OCT	39.58	65.56	126.54	243.15	339.24	<i>162.814</i>
NOV	12.42	32.08	46.13	47.48	86.03	<i>44.828</i>
DEC	5	2.33	161	-	8.75	<i>44.27</i>

Table 7. Duck Club Zone Average Number of Vector Mosquitoes

MONTH	2018	2019	2020	2021	2022	<i>5-year Average</i>
JAN	173.57	104.67	126.9	109.6	113.69	<i>125.686</i>
FEB	305.1	15.11	27.2	50.45	288.73	<i>137.318</i>
MAR	365.68	630.3	1414.7	820.9	1282.3	<i>902.766</i>
APR	1527.1	2426.1	2497.8	853.2	813.23	<i>1623.47</i>
MAY	406.03	1165.5	1674.9	345.9	342.17	<i>786.906</i>
JUN	121.94	1125.1	170.4	275.59	178.12	<i>374.238</i>
JUL	38.9	50.05	14.67	64.44	40.7	<i>41.752</i>
AUG	32.46	146.36	34.15	87.86	131.47	<i>86.46</i>
SEP	350.27	522.44	402.5	1229.9	692.56	<i>639.528</i>
OCT	318.59	765.68	924.03	1045.6	2554.03	<i>1121.59</i>
NOV	129.4	124.74	153	141.76	272.54	<i>164.288</i>
DEC	82.36	30.8	46.4	-	5.8	<i>41.34</i>

Table 8. West Shore Average Number of Vector Mosquitoes

MONTH	2018	2019	2020	2021	2022	<i>5-year Average</i>
JAN	116.25	23.5	120	29	6.5	<i>59.05</i>
FEB	101	26.5	4.5	80	298	<i>102</i>
MAR	99.43	87.14	135.43	200.38	489.64	<i>202.404</i>
APR	77.21	173.64	309.21	112.33	343.21	<i>203.12</i>
MAY	68.05	158.29	165.57	119.14	370.5	<i>176.31</i>
JUN	82	318.79	55.59	118	222	<i>159.276</i>
JUL	21.79	89	6.21	16.71	53.89	<i>37.52</i>
AUG	18.71	69.48	30.56	18.81	26.38	<i>32.788</i>
SEP	54.14	45.93	59.05	90.68	154.79	<i>80.918</i>
OCT	31.57	174.57	100.86	36.64	424.36	<i>153.6</i>
NOV	3.14	50.79	8.43	22.69	57.57	<i>28.524</i>
DEC	14.5	15	7	-	3.5	<i>10</i>



Serving Public Health Since 1928

Coachella Valley Mosquito and Vector Control District

Staff Report

May 9, 2023

Agenda Item: New Business

Discussion and/ or approval to amend the Slovak Baron Empey Murphy & Pinkney (SBEMP) Agreement — **Jeremy Wittie, M.S., CSDM, General Manager**

Background:

At the November 13, 2018, Board Meeting, the Board authorized the District to enter into an agreement with Slovak Baron Empey Murphy & Pinkney (SBEMP) by a unanimous vote. The agreement was executed on January 8, 2019. The fee schedule has not been updated since 2019. The Board of Trustees last evaluated the services of the District's Legal Counsel in December 2021.

The amended fee schedule is:

- \$4,000 per month retainer for 20 hours of legal service. The current agreement does not place an hourly cap on retainer services. 20 hours is based on the monthly average time spent by District counsel on general legal services.
- Hours worked beyond the retainer and for any litigation-related work (pre-litigation, pre-trial, trial, and/or appeals) will be billed at a blended rate of \$295 per hour for attorney time and \$175 per hour for paralegal time.

Potential Impacts:

- 2024 is a negotiations year for District collective bargaining agreements. This may increase legal costs for FY 23-24 one time, by \$30,000 to \$40,000 dollars based on hours worked by counsel on previous negotiations. This is still at a cost savings to the District as compared to previous District legal counsel fees.

Staff Recommendation:

Staff has established a productive working relationship with District Counsel and the services provided by District Counsel and SBEMP associates have met the needs of District staff.

Staff recommends the Board of Trustees take whatever action it deems necessary.

Exhibits:

- Proposed amendment
- Current Agreement

**FIRST AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT
BY AND BETWEEN
THE COACHELLA VALLEY MOSQUITO AND
VECTOR CONTROL DISTRICT
AND
SLOVAK BARON EMPEY MURPHY & PINKNEY LLP**

THIS FIRST AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT BY AND BETWEEN THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT AND SLOVAK BARON EMPEY MURPHY & PINKNEY LLP (hereinafter, the "First Amendment") is made and entered into as of the ____ day of May 2023, by and between the Coachella Valley Mosquito and Vector Control District, an independent special district operating under the Mosquito Abatement and Vector Control District Law (California Health and Safety Code §§2000 et seq.), located in the County of Riverside, State of California ("District"), and Slovak Baron Empey Murphy & Pinkney LLP, a California corporation ("Attorney") sometimes collectively referred to as the "Parties."

RECITALS

WHEREAS, the Parties previously entered into that certain Professional Services Agreement by and between the Coachella Valley Mosquito and Vector Control District and Slovak Baron Empey Murphy & Pinkney LLP, a California corporation, dated January 8, 2019 (hereinafter, the "Agreement") for Attorney to provide Legal Services and;

WHEREAS, the Parties desire to amend the Agreement to update the fee schedule attached hereto as Exhibit A.

NOW THEREFORE, in consideration of the foregoing recitals and other good and valuable consideration the receipt and adequacy of which are hereby acknowledged, the Parties hereby agree as follows:

AGREEMENT

1. RECITALS

The Recitals set forth above are hereby incorporated into this First Amendment by this reference, as though fully set forth herein.

2. SECTION 2 – PAYMENT

Section 2 of the Agreement, as amended, is hereby revised to include the Attorney's fee schedule attached hereto and incorporated herein by this reference as Exhibit "A".

3. COUNTERPARTS

This First Amendment may be executed in several counterparts, each of which shall be deemed to be an original and shall constitute one and the same instrument and shall become binding upon the Parties when at least a copy hereof shall have been signed by the Parties hereto.

5. CONFLICTS

In the event there exist any conflicts between the terms of this First Amendment and the Agreement, the terms of this First Amendment shall be superseded.

6. REMAINING PROVISIONS

All other remaining terms and conditions of the Agreement and First Amendment shall remain unchanged.

IN WITNESS WHEREOF, the Parties hereto have caused this First Amendment to be executed as of the date first written above.

**COACHELLA VALLEY MOSQUITO &
VECTOR CONTROL DISTRICT**

**SLOVAK BARON EMPEY MURPHY &
PINKNEY LLP**

Jeremy Wittie, M.S.
General Manager

Marc E. Empey, Partner

ATTEST:

Melissa Tallion, Clerk of the Board

APPROVED AS TO FORM:

Lena D. Wade, General Counsel

DRAFT

**“Exhibit A”
Fee Schedule**

DRAFT

EXHIBIT A
FEE SCHEDULE

\$4,000 per month retainer for 20 hours of legal service. Hours worked beyond the retainer and for any litigation-related work (pre-litigation, pre-trial, trial, and/or appeals) will be billed at a blended rate of \$295 per hour for attorney time and \$175 per hour for paralegal time.

DRAFT

**AGREEMENT FOR LEGAL SERVICES
BETWEEN
COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT
AND
SLOVAK BARON EMPEY MURPHY & PINKNEY LLP**

This Agreement for Legal Services (AGREEMENT) is made and entered into as of January 8, 2019, by and between the COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT (hereinafter referred to as DISTRICT) and Slovak Baron Empey Murphy & Pinkney LLP (SBEMP) (hereinafter referred to as ATTORNEY), in view of the following facts:

- A. The DISTRICT is in need of general attorney services.
- B. ATTORNEY is duly licensed (where appropriate) and qualified to provide such services.
- C. The purpose of this AGREEMENT is to establish the terms and conditions under which the DISTRICT will retain ATTORNEY to provide the services described herein.

NOW, THEREFORE, IT IS AGREED AS FOLLOWS:

1. SERVICES

ATTORNEY shall provide the DISTRICT the services as described in the scope of work attached hereto as Exhibit A.

2. PAYMENT

The DISTRICT shall pay for such services in accordance with the fee schedule for general and special legal services attached hereto as Exhibit B. ATTORNEY shall submit itemized monthly statements for services rendered. The DISTRICT shall pay the statements within thirty (30) days of receipt. Payments shall be subject to review for compliance by the DISTRICT with the requirements of this AGREEMENT and shall be subject to a final audit upon completion of all services. No other compensation will be paid except for work done under a supplemental AGREEMENT approved under paragraph 10, "Changes in Work."

3. TERM OF AGREEMENT

This AGREEMENT shall continue from year to year unless either party gives notification to the other to modify or terminate it in its entirety as outlined in Article 14.

4. STANDARD OF CARE

ATTORNEY's services will be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. Where approval by the DISTRICT, the General Manager or other representative of the DISTRICT is indicated, it is understood to be conceptual approval only and does not relieve ATTORNEY of responsibility for complying with all laws, codes, and industry standards, or from liability for

damages caused by negligent acts, errors, omissions, noncompliance with industry standards, or the willful misconduct of ATTORNEY or its subcontractors.

5. PERFORMANCE FEEDBACK

The DISTRICT may provide ATTORNEY with written or verbal feedback at the DISTRICT's discretion. The performance evaluation procedure is outlined in Exhibit C and the performance evaluation is attached hereto as Exhibit D.

6. ASSIGNMENT AND SUB-ATTORNEY

ATTORNEY shall not assign, sublet or transfer this AGREEMENT or any rights under or interest in this AGREEMENT without the written consent of the DISTRICT, which may be withheld for any reason. Nothing contained herein shall prevent ATTORNEY from employing independent professional associates, subcontractors and investigators as ATTORNEY may deem appropriate to assist in the performance of services hereunder.

If ATTORNEY subcontracts any of the work to be performed under this AGREEMENT, ATTORNEY shall be as fully responsible to the DISTRICT for the acts and omissions of ATTORNEY's subcontractor and of the persons employed by the subcontractor, as ATTORNEY is for the acts and omissions of persons directly employed by ATTORNEY. Nothing contained in this AGREEMENT shall create any contractual relationship between any subcontractor of ATTORNEY and the DISTRICT. ATTORNEY shall bind every subcontractor, and every subcontractor by the terms of this AGREEMENT applicable to ATTORNEY's work unless otherwise approved in writing by the DISTRICT. It shall be the ATTORNEY's responsibility to confirm that each subcontracted attorney meets the minimum insurance requirements specified below.

7. INDEPENDENT CONTRACTOR

No employment relationship is created by this AGREEMENT. ATTORNEY shall perform the services provided for herein as an independent contractor, and not as an employee of the DISTRICT. The DISTRICT is ATTORNEY's client. ATTORNEY shall otherwise be free from the control and direction of the DISTRICT in connection with the performance of services under this AGREEMENT, but shall consult with the DISTRICT on matters involving ATTORNEY's representation of the DISTRICT and as otherwise provided in Exhibit A.

Payment made to ATTORNEY pursuant to this AGREEMENT shall be the full and complete compensation to which ATTORNEY is entitled. The DISTRICT shall not make any Federal or State tax withholdings on behalf of ATTORNEY. The DISTRICT shall not be required to pay any workers' compensation insurance on behalf of ATTORNEY.

8. INTEGRATION

This AGREEMENT represents the entire understanding of the DISTRICT and ATTORNEY as to those matters contained herein. No prior oral or written understanding shall have any force or effect with respect to those matters covered hereunder. This AGREEMENT may not be modified or altered except in writing signed by the DISTRICT and ATTORNEY.

9. OWNERSHIP OF FILES/DOCUMENTS

All original reports, data, notes, files, estimates and other similar documents prepared by ATTORNEY in the performance of this AGREEMENT shall be the property of the DISTRICT.

10. AMENDMENTS TO THE AGREEMENT

Amendments to this AGREEMENT shall be handled as follows: A letter outlining a proposed amendment shall be forwarded to the DISTRICT by ATTORNEY and shall specify any proposed change to any term agreed to hereunder. Where the proposed change is to the fee schedule in Exhibit B, the letter must be submitted to the DISTRICT at least ninety (90) days prior to the effective date of any change to the fee schedule. An amended agreement shall be prepared by the DISTRICT and must be executed by both parties to take effect. The DISTRICT shall not be required to pay for work under the terms of such amended agreement, if such work is performed prior to the time such amended agreement is executed and takes effect.

11. COVENANTS AGAINST CONTINGENT FEES

ATTORNEY agrees that SBEMP has not employed or retained any company or person, other than a bona fide employee working for ATTORNEY, to solicit or secure this AGREEMENT, and that ATTORNEY has not paid or agreed to pay any company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gift, or any other consideration contingent upon, or resulting from, the award or making of this AGREEMENT. For breach or violation of this provision, the DISTRICT shall have the right to annul this AGREEMENT without liability, or, at its discretion, to deduct from the AGREEMENT price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fees, gift, or contingent fee, or deduct the same from ATTORNEY's fees.

12. INSURANCE

The ATTORNEY shall carry all insurance required by federal, state, county and local laws. The ATTORNEY shall procure and maintain, during the life of the AGREEMENT, adequate worker's compensation, public liability and property damage insurance. The specific requirements for insurance as set forth in this article shall be considered as minimum requirements.

The ATTORNEY shall procure and maintain, during the life of this AGREEMENT, such commercial general liability and automobile liability insurance necessary to protect him/her and the DISTRICT from all claims for bodily injury, including accidental death and property damage claims arising from operations under this AGREEMENT. Such insurance shall be primary and not contribute with any insurance or self-insurance maintained by the DISTRICT.

SBEMP carries its own errors and omissions insurance. After a standard deductible, this insurance provides coverage in the amount of \$3 million.

Minimum Scope of insurance

Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001).
2. Workers' Compensation insurance as required by the State of California and

Employer's Liability Insurance.

Minimum Limits of insurance

ATTORNEY shall maintain limits no less than:

1. General Liability: \$1,000,000 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general and products-completed operations aggregate limit is used, either the general and products-completed operations aggregate limit shall apply separately to this project/location or the general and products-completed operations aggregate limit shall be twice the required occurrence limit.
2. Employer's Liability: \$1,000,000 per occurrence for bodily injury or disease.
3. Professional Liability: \$1,000,000 per occurrence for negligent acts, errors or omissions of a professional nature.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the DISTRICT. At the option of the DISTRICT, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the DISTRICT, its officers, officials, employees and authorized volunteers; or ATTORNEY shall provide a financial guarantee satisfactory to the DISTRICT guaranteeing payment of losses and related investigations claim administration and defense expenses.

Other Insurance Provisions

ATTORNEY shall maintain automobile liability insurance and shall indemnify and hold the DISTRICT harmless related to any automobile accidents in which ATTORNEY may be involved.

Acceptability of Insurers

NOTICE: To be acceptable, insurers must meet one of the following criteria:

- A. Be an "admitted insurer" in the State of California for the classes of insurance required and, in accordance with the current A.M. Best Company Rating, have a policy holder's rating of "B+" or better and a financial rating of VII or better.
- B. If not an "admitted insurer" in the State of California, for all of the classes of insurance required, have an agent for service of process in California and, in accordance the current A.M. Best Company Rating, have a policy holder's rating of "A-" or better and a financial rating of VII or better.

Verification of Coverage

ATTORNEY shall furnish the DISTRICT with original certificates and amendatory endorsements effecting coverage required by this clause. The endorsements should be on the standard ACORD insurance form or on another form approved by the DISTRICT, provided those endorsements or policies conform to the requirements. All certificates and endorsements are to

be received and approved by the DISTRICT before work commences. The DISTRICT reserves the right to require complete, certified copies of all required insurance policies, including endorsements affecting the coverage required by these specifications at any time.

13. LAWS AND VENUE

This AGREEMENT shall be interpreted in accordance with the laws of the State of California. If any legal action or proceeding is brought to interpret or enforce any term of this AGREEMENT, the action shall be brought in a state or federal court situated in the County of Riverside, State of California. In the event of any such litigation between the parties, the prevailing party shall be entitled to recover all reasonable costs incurred, including reasonable attorneys' fees, as determined by the court.

14. TERMINATION OR ABANDONMENT

The DISTRICT has the right to terminate or **abandon** any portion or all of the work by giving ten (10) calendar days' written notice. The DISTRICT shall pay ATTORNEY for work performed by ATTORNEY prior to termination. If said termination occurs while ATTORNEY is still performing a task for the DISTRICT, the DISTRICT and ATTORNEY may agree that ATTORNEY shall complete performance of the task, and on the fee therefor. The DISTRICT shall not be liable for any costs other than the fees or portions thereof which are specified herein.

ATTORNEY may terminate this AGREEMENT upon thirty (30) calendar days' written notice.

Upon termination by either party, ATTORNEY shall retain and maintain all original reports, data, notes, files, estimates and other similar documents prepared by ATTORNEY in the performance of this AGREEMENT for three years unless ATTORNEY delivers said documents to the DISTRICT. ATTORNEY shall be required to comply with any request by DISTRICT to return to DISTRICT all reports, data, notes, files, and similar documents prepared by ATTORNEY relating to the DISTRICT.

15. CONFORMITY TO LEGAL REQUIREMENTS

ATTORNEY shall cause all work performed on behalf of the District to conform to all applicable requirements of law: federal, state and local. All work performed on behalf of the District deliverables as herein required are the property of the DISTRICT. In the event this contract is terminated, all work performed on behalf of the District shall be delivered to the DISTRICT. ATTORNEY shall have the right to make a copy of the deliverables for his/her records.

16. PROHIBITED INTEREST

No official of the DISTRICT who is authorized in such capacity on behalf of the DISTRICT to negotiate, make, accept, or approve, or take part in negotiating, making, accepting, or approving this AGREEMENT, shall become directly or indirectly interested personally in this AGREEMENT or in any part thereof. No officer or employee of the DISTRICT who is authorized in such capacity on behalf of the DISTRICT to exercise any executive, supervisory, or similar functions in connection with the performance of this AGREEMENT shall become directly or indirectly interested personally in this AGREEMENT or any part thereof.

17. SUCCESSORS OR ASSIGNS

All terms, conditions, and provisions hereof shall inure to and shall bind each of the parties hereto, and each of their respective heirs, executors, administrators, successors, and assigns.

18. CONFLICT OF INTEREST

ATTORNEY shall comply with the DISTRICT's Conflict of Interest Code, including any filing requirements, and with any financial disclosure requirements under the law.

ATTORNEY shall not make or participate in making or in any way attempt to use ATTORNEY's position to influence a governmental decision involving the DISTRICT in which ATTORNEY knows or has reason to know ATTORNEY has a financial interest, except that ATTORNEY may negotiate any amendments to this AGREEMENT or any subsequent agreement between ATTORNEY and the DISTRICT. ATTORNEY represents that ATTORNEY has diligently conducted a search and inventory of ATTORNEY's economic interests, as defined in the regulations promulgated by the California Fair Political Practices Commission, and has determined that ATTORNEY does not, to the best of ATTORNEY's knowledge, have an economic interest that would conflict with ATTORNEY's duties under this AGREEMENT. ATTORNEY will not have such interest during the term of this AGREEMENT. ATTORNEY will immediately advise the DISTRICT (including its Board and General Manager) if ATTORNEY learns it has an economic interest that may conflict with ATTORNEY's duties under and during the term of this AGREEMENT.

19. ORGANIZATION

ATTORNEY proposes to assign Lena D. Wade as Principal Attorney for this engagement, to provide supervision and have overall responsibility for this AGREEMENT for ATTORNEY, and designates John O. Pinkney as Backup Attorney. Neither the Principal Attorney nor the Backup Attorney shall be removed from the project or reassigned without prior approval of the DISTRICT. No subcontracting of these professional services shall be made without prior approval of the DISTRICT.

20. NOTICE

Any notice or instrument required to be given or delivered by this AGREEMENT may be given or delivered by depositing the same in any United States Post Office, registered or certified, postage prepaid, addressed to:

ATTORNEY: SBEMP
1800 East Tahquitz Canyon Way
Palm Springs, CA 92262
Phone: 760/ 322-2275
Fax: 760/ 322-2107
wade@sbemp.com; pinkney@sbemp.com

DISTRICT: Coachella Valley Mosquito and Vector Control District
Attn: General Manager
43-420 Trader Place
Indio, CA 92201
JWittie@cvmvcd.org

and shall be effective upon the earlier of actual receipt or three (3) business days after having been deposited in the mail postage prepaid, registered, or certified.

21. SIGNATURES

The individuals executing this AGREEMENT represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities and to bind their respective entities hereto.

IN WITNESS WHEREOF, the parties have executed this AGREEMENT as of the date written above.

**COACHELLA VALLEY
MOSQUITO AND VECTOR
CONTROL DISTRICT**



Doug Hassett, President
Board of Trustees

**SLOVAK BARON EMPEY MURPHY &
PINKNEY LLP**



John O. Pinkney, Managing Partner

ATTEST:



Grace Morales, Clerk of the Board

EXHIBIT A

SCOPE OF WORK

Slovak Baron Empey Murphy & Pinkney LLP ("SBEMP") shall provide all day-to-day legal services required by the Coachella Valley Mosquito and Vector Control District ("District"). All day-to-day legal services shall be included in consideration for the monthly retainer, and shall include:

- Attendance at meetings of the Board of Trustees of the District, as requested by the Board, for the purpose of providing legal services and consultation.
- Attendance at such other meetings as requested by the President, Board of Trustees, General Manager, or other designee.
- Preparation of ordinances, resolutions, contracts, and the like concerning the District's business.
- Preparation of written legal opinions on matters concerning District business at the request of the Board, General Manager or designee.
- Analysis of proposed and enacted legislation, published legal opinions, and other matters that may have an impact on the operations of the District.
- Review of contracts, bid specifications, and purchasing documents for the purposes of legal and policy compliance, appropriate risk transfer, and risk analysis and avoidance.
- Consultation with District staff and/or the District's labor counsel regarding personnel matters, labor negotiations, relations matters, litigation, and other matters concerning District business, as requested (that may not otherwise be covered by District agreements with other legal resources).
- Advise the District concerning whether to file claims or commence litigation; and represent the District in connection with certain claims and litigation filed by or against it. Generally different counsel will be retained in the event of a conflict of interest which disqualifies SBEMP from representation. Other counsel may be retained to defend or prosecute actions which in the opinion of SBEMP require special expertise or where representation is being provided under a contract of insurance.
- Provide advice and assistance to District staff and Trustees on matters of law including the Brown Act, Government Code, Health and Safety Code, conflicts of interest and Political Reform Act and assisting them in seeking advice from regulatory agencies such as the Fair Political Practices Commission (at all times as counsel for the District and not for District staff or Trustees in their individual capacities).

Provide legal assistance and consultation to District staff and Trustees on matters of environmental compliance, including, NPDES, CEQA, and NEPA, as they pertain to the District.

Provide legal assistance and consultation to District staff and managers on matters of property rights and property management.

Such other activities as directed by the President, the Board of Trustees, and the General Manager, or other designee.

Litigation related work (pre-litigation, pre-trial, trial, work and/or appeals) shall be billed off retainer.

EXHIBIT B

FEE SCHEDULE

\$4,000 per month retainer. Any litigation related work (pre-litigation, pre-trial, trial, and/or appeals) will be billed at a blended rate of \$275 per hour for attorney time and \$160 per hour for paralegal time.

EXHIBIT C

LEGAL COUNSEL PERFORMANCE EVALUATION PROCEDURE

PURPOSE

The purpose of the legal counsel performance evaluation is to strengthen the relationship between the Coachella Valley Mosquito and Vector Control District ("District") and its legal counsel, provide a mechanism for regular evaluation, consider any performance objectives, and to provide feedback and identify areas in need of improvement.

PROCESS

The District's Board of Trustees shall evaluate legal counsel on a regular basis. The schedule for evaluation shall be determined by the District's Board. Board members shall complete the performance evaluation. Subsequently, the Board shall meet in closed session outside of the presence of legal counsel to discuss the ratings, comments and objectives contained in the individual evaluations. The Board shall then meet in closed session with legal counsel and generally discuss performance ratings, comments and objectives. The performance evaluations shall then be placed in the District's legal services file.

EXHIBIT D

LEGAL COUNSEL PERFORMANCE EVALUATION
COACHELLA VALLEY MOSQUITO & VECTOR CONTROL DISTRICT

Law Firm/Attorney _____ Date: _____

Evaluation Period: _____ to _____ Submitted by _____

Rating Scale

Outstanding - Performance consistently exceeds satisfactory.

Meets Requirements - Performance is consistently satisfactory.

Needs Improvement - Performance is frequently below satisfactory.

Unsatisfactory - Performance is consistently unacceptable and well below satisfactory, and requires immediate action and attention by the District's Board of Trustees.

1. **ADVICE TO THE DISTRICT** - Legal counsel provides objective/unbiased and professional advice to the District and Board of Trustees in a clear, timely and articulate manner. Legal counsel delivers reports, attends meetings and responds to inquiries contained in phone messages, email and/or other correspondence in a professional and timely manner. Legal counsel identifies and informs the District and Board of relevant legal trends/developments.

- Outstanding
- Meets Requirements
- Needs Improvement
- Unsatisfactory

Comments:

2. EFFECTIVENESS - Legal counsel provides services in an efficient manner. Fees are competitive and appropriate for the services provided. Billing is clear and reflects appropriate allocations of time.

- Outstanding
- Meets Requirements
- Needs Improvement
- Unsatisfactory

Comments:

3. RELATIONSHIP WITH DISTRICT STAFF, BOARD OF TRUSTEES AND COMMUNITY - Legal counsel effectively collaborates with District staff and the Board of Trustees to accomplish District goals. Legal counsel effectively communicates District policy with the District staff, Board, media and the community. Legal counsel is accessible and consistently maintains a professional demeanor.

- Outstanding
- Meets Requirements
- Needs Improvement
- Unsatisfactory

Comments:

4. SUMMARY RATING

- Outstanding
- Meets Requirements
- Needs Improvement
- Unsatisfactory

Comments:

5. FUTURE GOALS AND OBJECTIVES

Identify specific goals and objectives for the next evaluation period:

Date: _____ Signature: _____



Serving Public Health Since 1928

BOARD REPORTS

Coachella Valley Mosquito and Vector Control District

Executive Committee Meeting

DRAFT - Minutes

TIME AND DATE: 2:00 p.m. Friday, April 27, 2023

LOCATION: 43420 Trader Place, Indio, CA 92201

TRUSTEES PRESENT:

PRESIDENT: John Peña La Quinta
VICE PRESIDENT: Benjamin Guitron Indio (joined at 2:09 pm)
SECRETARY: Dr. Doug Kunz Palm Springs
TREASURER: Clive Weightman Indian Wells

ABSENT:

None

Members of the Public present:

No

OTHERS PRESENT:

Jeremy Wittie, M.S., CSDM, General Manager
Melissa Tallion, Clerk of the Board

TASKS AND OWNERSHIP

Task	Owner(s)	Report Back (Executive Committee)
Budget Workshop Reminder	Melissa Tallion	N/A

1. Call to Order

President Peña called the meeting to order at 2:00 p.m

2. Roll Call

Roll call indicated three (3) of the four (4) Committee members were present.

3. Confirmation of Agenda

President Peña inquired if there were any agenda items to be shifted. Upon no objections by the Committee, the agenda was confirmed.

4. Public Comments

None

5. Review of May 9, 2023, draft Board meeting agenda

The draft May Board meeting agenda was reviewed by the Committee. Changes to the agenda and discussion included adding to New Business a review of the Legal Counsel fee structure (rate change). The Committee asked that Melissa Tallion send a reminder about the upcoming Budget workshop to the Board of Trustees. Jeremy Wittie stated that there will likely not be an Arbovirus report until June, but would like to leave the item on the Board agenda.

6. Old Business – None

7. New Business Business

- A. Update/Discussion: FY2023/24 draft budget meeting with the Finance Committee
Treasurer Weightman stated that the Finance Committee met and reviewed the first draft of the budget and that staff did a good job with the draft. He stated that the Finance Committee went through the budget and reviewed each department and had a healthy discussion about the SIT project.
- B. Update/Discussion: Trustee Manual
Melissa Tallion mentioned that there is a new draft of the Trustee Manual available. The Committee discussed reviewing it and came to a consensus that the first review should be with the General Manager and once that review is finished the Committee would like to review it to provide comments.

8. Trustee/staff comments

Vice President Guitron added that he would like to see past District Trustees memorialized on the Website.

9. Confirmation of next meeting

The next Executive Committee meeting was scheduled for May 26, 2023, at 9:00 a.m.

10. Adjournment

President Peña adjourned the meeting at 3:11 p.m.

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Finance Committee Meeting
DRAFT - Minutes

TIME 4:30 p.m. **DATE:** February 14, 2023

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

COMMITTEE MEMBERS PRESENT:

Indian Wells Clive Weightman, Board Treasurer
Palm Desert Doug Walker, Trustee

COMMITTEE MEMBERS ABSENT:

County at Large Bito Larson, Trustee

OTHER TRUSTEES PRESENT:

None

STAFF PRESENT:

Jeremy Wittie, General Manager
David l'Anson, Administrative Finance Manager
Jennifer Henke, Laboratory Manager
Abby Torres, Accounting Technician I
Melissa Tallion, Executive Assistant/Clerk of the Board

MEMBERS OF THE PUBLIC PRESENT:

Yes

Tasks and Ownership

Task	Owner(s)	Report Back (Finance Committee)
Confirm quorum (Trustee Larson and/or President Pena on May 9 th , 3:30 p.m. Finance Committee Meeting	Melissa	April 11th

1. Call to Order

Treasurer Weightman called the meeting to order at 4:30 p.m.

2. Roll Call

Roll call indicated two (2) of the three (3) Committee members were present.

3. Confirmation of Agenda

The agenda was confirmed as presented.

4. Public Comments

None

5. Items of General Consent

- A. Approval of Minutes from February 14, 2023, Finance Committee Meeting

On a motion from Trustee Walker, seconded by Treasurer Weightman, and passed by the following roll call votes, the Committee approved the minutes from February 14, 2023.

Ayes: Treasurer Weightman, Trustee Walker

Noes: None

Abstained: None

Absent: Trustee Larson

6. Discussion, Review, and/or Update

- A. Review of Check Report from Abila MIP for the period of February 9, 2023, to March 8, 2023
The check report was reviewed by the Committee and staff. A discussion ensued regarding checks that needed further explanation. Staff answered the questions to satisfy the Committee.
- B. CalCard Charges (Abila report & Microix Workflow Report) – Statement dated February 24, 2023
The CalCard monthly statement was reviewed by the Committee. Staff provided more information regarding specific charges to satisfy the Committee.
- C. Review of February 2023 Financials and Treasurers Report
The Committee and staff reviewed the Financials and Treasurers report. David I'Anson found three expenses that needed to be reclassified to be expensed out of different departments. The District is showing a favorable net income.

7. Old Business

- A. 2023 Finance Committee Items
David reviewed the staff report and will continue to update the Finance Committee at each meeting. An RFP will be issued for a new auditor contract. The top three candidates will be brought to the May Finance Committee meeting for their input and/or recommendation. David mentioned he updated the Goldman Sachs CD. Treasurer Weightman asked to have the job code/cost center for the District's Drone program added to the Staff report.
- B. Budget Calendar
The budget calendar was reviewed.

8. New Business

- A. Review of finance-related items on the Board agenda
The Committee reviewed the Board meeting agenda.

9. Schedule Next Meeting

The next Finance Committee meeting was scheduled for April 11, 2023, at 1:00 p.m. to review the draft budget. Melissa will confirm attendance for the May 9th Finance Committee and Budget workshop meeting.

10. Trustee and/or Staff Comments/Future Agenda Items

None

11. Adjournment

Treasurer Weightman adjourned the meeting at 5:09 p.m.

DRAFT

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Finance Committee Meeting
DRAFT - Minutes

TIME 1:00 p.m. **DATE:** April 11, 2023

LOCATION: 43420 Trader Place Indio, CA 92201

COMMITTEE MEMBERS PRESENT:

Indian Wells Clive Weightman, Board Treasurer
Palm Desert Doug Walker, Trustee
County at Large Bitto Larson, Trustee

COMMITTEE MEMBERS ABSENT:

None

OTHER TRUSTEES PRESENT:

None

STAFF PRESENT:

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

MEMBERS OF THE PUBLIC PRESENT:

No

Tasks and Ownership

Task	Owner(s)	Report Back (Finance Committee)
Presentation by J. Henke or Verily about SIT	Jeremy	May 2, 2023
Potential SIT workshop	Jeremy/Jennifer	May/June
The next draft of the Budget will include the IT cost center	David	May 2, 2023
Talk to other agencies about their experience with the Vendor for our Technology Master Planning	David/Jeremy	May 2, 2023
Look into other options for pension pre-funding	David	May 2, 2023

1. Call to Order

Treasurer Weightman called the meeting to order at 1:03 p.m.

2. Roll Call

Roll call indicated all three (3) Committee members were present.

3. Confirmation of Agenda

Treasurer Weightman inquired if there were any agenda items to be shifted. Upon no objections from the Committee, the agenda was confirmed as presented.

4. Public Comments

None

5. Items Overview/Discussion of the DRAFT FY 2023-2024 Budget — Clive Weightman, Treasurer, David l'Anson, Administrative Finance Manager, and Jeremy Wittie, M.S., CSDM, General Manager

The budget summary document was reviewed along with revenue and expenditure assumptions. Discussions included creating a monthly report by cost center for the Committee to review. The Committee and staff discussed the increase to the Control budget to include money allocated for the Sterile Insect Technique vendor. The Committee would like to have Jennifer Henke, Laboratory Manager, and/or the vendor bring more information to an upcoming meeting. The Committee and staff also discussed the additional funds added to the IT budget for a Technology Master Plan and asked David l'Anson to reach out to other agencies who have used the proposed vendor for their thoughts and/or recommendations of the vendor.

6. Trustee and/or Staff Comments/Future Agenda Items

The Committee thanked the staff for putting together the budget. Treasurer Weightman reminded the Committee about the next Finance Committee meeting scheduled for May 2nd at 1:00 p.m.

7. Adjournment

Treasurer Weightman adjourned the meeting at 2:52 p.m.

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Finance Committee Meeting
DRAFT - Minutes

TIME 1:00 p.m. **DATE:** May 2, 2023

LOCATION: 43420 Trader Place Indio, CA 92201

COMMITTEE MEMBERS PRESENT:

Indian Wells Clive Weightman, Board Treasurer
Palm Desert Doug Walker, Trustee
County at Large Bito Larson, Trustee

COMMITTEE MEMBERS ABSENT:

None

OTHER TRUSTEES PRESENT:

None

STAFF PRESENT:

Jeremy Wittie, General Manager
David l'Anson, Administrative Finance Manager
Jennifer Henke, Laboratory Manager
Melissa Tallion, Executive Assistant/Clerk of the Board

MEMBERS OF THE PUBLIC PRESENT:

No

Tasks and Ownership

Task	Owner(s)	Report Back (Finance Committee)
SIT Workshop	Melissa/Jeremy	June

1. Call to Order

Treasurer Weightman called the meeting to order at 1:02 p.m.

2. Roll Call

Roll Call indicated that all three (3) Committee Members were present.

3. Confirmation of Agenda

Treasurer Weightman inquired if any agenda items needed to be shifted. Upon no objections from the Committee, the agenda was confirmed as presented.

4. Public Comments

None

5. Old Business

A. Discussion: Sterile Insect Technique FY 2023-2024 Budget Proposal — **Jennifer A. Henke, M.S., Laboratory Manager**

Jennifer Henke, Laboratory Manager introduced this agenda item and provided the Committee with background information. The Committee had a good discussion about the SIT budget item. Discussed the pros and cons of the project. The Committee asked staff to schedule a workshop before the June 13, 2023 board meeting to discuss this project with the entire Board of Trustees.

B. Discussion and Review of the DRAFT FY 2023-2024 Budget — **Clive Weightman, Treasurer, David l'Anson, Administrative Finance Manager, and Jeremy Wittie, M.S., CSDM, General Manager**

Jeremy Wittie, General Manager mentioned a few items in the budget that had been revised including the IT department budget, the District's UAS program now has a dedicated department, and the utility expenses have been increased to allow for inflation. Jeremy also discussed the proposed legal fee changes to the SBEMP agreement which will be discussed during the May 9, 2023 Board meeting. The Committee would like to have each department manager highlight their budget increases. These will be highlighted in the General Manager report.

6. Trustee and/or Staff Comments/Future Agenda Items

7. Adjournment

Treasurer Weightman adjourned the meeting at 3:00 p.m.