

Sacramento-Yolo  
MOSQUITO & VECTOR  
CONTROL DISTRICT

July 16, 2024

BOARD OF TRUSTEES

BOARD PACKET

10:00 A.M.

8631 BOND ROAD  
ELK GROVE, CA 95624

**SACRAMENTO/YOLO MOSQUITO  
& VECTOR CONTROL DISTRICT  
BOARD OF TRUSTEES REGULAR MEETING**

8631 Bond Road  
Elk Grove, CA 95624

**AGENDA**

**July 16, 2024**

**10:00 AM**

*In compliance with the Americans with Disability Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the District office at (916) 685-1022 or (916) 685-5464 (fax). Requests must be made as early as possible, and at least one-full business day before the start of the meeting.*

*Documents and materials relating to an open session agenda item that are provided to the SYMVCD Board less than 72 hours prior to a regular meeting will be available for public inspection and copying at 8631 Bond Road, Elk Grove, Ca 95624. The documents will also be available on the agency's website at [www.fightthebite.net](http://www.fightthebite.net).*

*IMPORTANT NOTICE REGARDING VIRTUAL PUBLIC PARTICIPATION: The District currently provides in person as well as virtual public participation via the Zoom link below until further notice. The public shall have the opportunity to directly address the Board on any item of interest before or during the Board's consideration of that item. Public comment on items within the jurisdiction of the Board is welcomed, subject to reasonable time limitations for each speaker.*

*Zoom link and call in numbers are available at the meeting registration link on our website at <https://www.fightthebite.net/about/about-the-board/>*

**CALL TO ORDER:**

- **Roll Call**
- **Pledge of Allegiance**

**1. Items for Approval by General Consent:**

- a. Minutes of the June 18, 2024 Board of Trustees Meeting**
- b. Expenditures for June 2024**

**2. Opportunity for Public Comment**

*This item is reserved for members of the public who wish to speak on items not on the agenda*

**3. Reports to the Board**

- a. Manager's Report**
- b. Reports from District Departments**
  - **Lab/Surveillance**
  - **Ecological Management**
  - **Biological Control**

- Larval and Adult Control
- Public Outreach

4. **Board Review and Consideration of the District Budget for 2024-2025**
5. **Board Authorization to Pay CalPers Unfunded Liability in the Amount of \$3,033,735**
6. **Board Authorization to Pay 2024/2025 Annual Premium Invoice of \$553,082 for Coverage through the Vector Control Joint Powers Agency**
7. **Board Review and Consideration to Purchase Mag/MAX Extraction System not to Exceed \$50,000**
8. **Board/Staff Reports and Requests**
9. **Adjournment**

# **Sacramento-Yolo Mosquito and Vector Control District**

## **July 16, 2024 Board Meeting**

### **1. Items for Approval by General Consent:**

- a. Minutes of the June 18, 2024 Board of Trustees Meeting;
- b. Expenditures for June 2024

### **Recommendation:**

**Approve the Items by General Consent**

## MINUTES OF THE June 18, 2024 MEETING OF THE BOARD OF TRUSTEES OF THE SACRAMENTO- YOLO MOSQUITO & VECTOR CONTROL DISTRICT

**Location:** Virtual Meeting via Zoom / In Person @ 8631 Bond Rd, Elk Grove, California

**Time:** 10:00 a.m.

**Call to Order:** The meeting was called to order by Board President Sean Denny at 10:01 a.m.

**Trustees Present:**

Sean Denny	President	Woodland
Charles Duty	Vice President	Sacramento County
Janell Darroch	Secretary	West Sacramento
Craig Burnett		Folsom
Marcia Mooney		Galt
Jayna Karpinski-Costa		Citrus Heights
Raymond LaTorre		Sacramento
Robert McGarvey*		Rancho Cordova
Lyn Hawkins		Elk Grove
Staci Gardiner		Isleton
William Reisen		Yolo County
Gar House		Winters
Absent		
Chris Barker		Davis

\*Appeared Remotely

**Staff Present:**

Gary Goodman	Manager
Gavin Ralphs	Legal Counsel
Steve Ramos	Assistant Manager
Tony Hedley	Assistant Manager
Lisa Pelletier	Administrative Manager
Marty Scholl	Program Coordinator
Sarah Wheeler	Lab Director
Ken Harris	Fisheries

## Roll Call

This meeting was both in person and by video teleconference. Attendance was taken by Roll Call.

## Pledge of Allegiance

*All phones and electronic devices are requested to be silenced during the Pledge of Allegiance and for the duration of the meeting.*

### 1. Items for Approval by General Consent

On a motion by Trustee Craig Burnett and seconded by Trustee Raymond LaTorre, the Board voted to approve the General Consent Items. The vote was taken by voice vote and the motion passed unanimously: Ayes: 12, Noes: 0, Absent: 1

- a. Minutes of the May 21, 2024 Board of Trustees Meeting
- b. Expenditures for May 2024

### 2. Opportunity for Public Comment

*This item is reserved for members of the public who wish to speak on items not on the agenda.*

No one was present for public comment.

### 3. Reports to the Board

#### Manager's Report:

The season is moving along with crews responding to mosquito activity with surveillance and treating breeding sites where needed. The District has seen nine positive dead birds so far this year and two positive mosquito collections. The District's surveillance has also continued to pick up *Aedes aegypti* in various locations throughout the District. We have responded with more surveillance and control efforts.

AMCA is still active in pursuing federal funding for both the SMASH Act and money for Vectorsurv. The budget markup for these topics is currently ongoing and we are scheduling follow-up visits and engagements with our key legislators.

**Reports from District Departments:** Written reports were provided in the Board packet from each department.

- Lab/Surveillance
- Ecological Management
- Biological Control
- Larval and Adult Control
- Public Outreach

*Oral reports were given by the following departments:*

**Lab/Surveillance:**

Mosquito abundance for *Culex tarsalis* remains low, but *Culex pipiens* has increased greatly since the May report. West Nile virus activity has been detected in Sacramento and Yolo Counties. Overall, 806 mosquito pools were tested for West Nile virus and there were two positives from Sacramento County. In total, 136 dead birds were tested for West Nile virus, eight were positive from Sacramento County and one was positive from Yolo County. All chickens remain negative for West Nile virus antibodies.

Surveillance for *Aedes aegypti* and *Aedes albopictus* is underway. Thus far *Aedes aegypti* was detected in Carmichael, Sacramento, West Sacramento, and Winters.

**Larval and Adult Control:**

Program Coordinator Marty Scholl submitted a written report on Control Operations

Marty Highlighted the following:

Rice - 43,500 approx

4,406 Organic

No rice in Twitchell Island this year

VDCI Calibrated both airplanes, 6 applications by this time last year

8 truck or quad mounted ULV 6 in the evening

CB up 32% from last year on inspections and treatments

Pastures irrigations, wetland summer irrigations

Sacramento Crews - YJ queen trapped numbers higher than last year

Aedes crew - June 1st 50% of traps coming back with 1 or 2 adults per trap in Natomas, focus area Winters and Natomas

**Biological Control:**

Ken Harris gave an update on the fisheries department's activities through May. The update included progress on several projects like the installation of cement blocks around the manure pad, the construction of new crawfish traps, and updates to the department's fisheries App. Ken also shared the number of fish used by technicians during this period and mosquitofish donations to U.C. Davis for rice field studies and to educate over several thousand students annually. Looking forward to June, the department continues to prepare for the stocking of rice fields and the busy season ahead.

- 4. Board Review and Discussion of (Second) Draft District Budget for 2024-2025.** The Board reviewed and discussed the District's second draft 2024-2025 budget.

**5. Board/Staff Reports and Requests**

The Manager discussed the front office remodel, the status of the annual audit and the upcoming mosquito season.

**6. Adjournment**

The meeting adjourned at 11:10 a.m.

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the June 18, 2024, meeting.

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Lisa Pelletier, Administrative Manager

Approved as written and/or corrected by the Board of Trustees at the June 18, 2024, meeting.

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Janell Darroch, Board Secretary



**Sacramento-Yolo Mosquito and Vector Control District  
Check Register  
June 2024**

07/09/24

Accrual Basis

Num	Type	Date	Name	Credit
<b>Jun 24</b>				
58659	Check	06/03/2024	US Bank	
58507	Check	06/06/2024	US Bank	49,459.76
58508	Bill Pmt -Check	06/10/2024	Airgas USA, LLC	89.08
58509	Bill Pmt -Check	06/10/2024	Barnes Welding	857.55
58510	Bill Pmt -Check	06/10/2024	Cintas Corporation	5,011.54
58511	Bill Pmt -Check	06/10/2024	Consolidated Communications	2,286.69
58512	Bill Pmt -Check	06/10/2024	GreatAmerica Financial Services	376.28
58513	Bill Pmt -Check	06/10/2024	Hunt & Sons Inc	6,325.98
58514	Bill Pmt -Check	06/10/2024	Kimball Midwest	17.89
58515	Bill Pmt -Check	06/10/2024	PG & E	251.02
58516	Bill Pmt -Check	06/10/2024	Pitney Bowes Global Financial Services LL	262.03
58517	Bill Pmt -Check	06/10/2024	Spark Creative Design	493.50
58518	Bill Pmt -Check	06/10/2024	Tender Corp. - Adventure Medical Kits	74,130.56
58519	Bill Pmt -Check	06/10/2024	Top Rank Heating Air Conditioning Inc	258.00
58520	Bill Pmt -Check	06/10/2024	Vector Disease Control International	54,191.66
58527	Bill Pmt -Check	06/11/2024	Western Health Advantage	1,222.42
58528	Bill Pmt -Check	06/11/2024	Alhambra & Sierra Springs	90.43
58529	Bill Pmt -Check	06/11/2024	AutoZone, Inc.	712.60
58530	Bill Pmt -Check	06/11/2024	Azelis - Adapco Inc	
58531	Bill Pmt -Check	06/11/2024	Barnes Welding	1,284.14
58532	Bill Pmt -Check	06/11/2024	City of Woodland	384.40
58533	Bill Pmt -Check	06/11/2024	Clarke Mosquito Control Products Inc	32,432.41
58534	Bill Pmt -Check	06/11/2024	Cleanit Maintenance Systems LLC	2,995.00
58535	Bill Pmt -Check	06/11/2024	Elk Grove Water District	564.39
58536	Bill Pmt -Check	06/11/2024	Grow West	268.77
58537	Bill Pmt -Check	06/11/2024	Hunt & Sons Inc	2,749.78
58538	Bill Pmt -Check	06/11/2024	Jim Hesseline's Tire Service, Inc.	261.31
58539	Bill Pmt -Check	06/11/2024	Kingsley Bogard, LLP	885.50
58540	Bill Pmt -Check	06/11/2024	Nadel	6,738.54
58541	Bill Pmt -Check	06/11/2024	Red Shoe Productions	12,150.00
58542	Bill Pmt -Check	06/11/2024	RKL eSolutions, LLC	150.00
58543	Bill Pmt -Check	06/11/2024	SMUD	3,725.99
58544	Bill Pmt -Check	06/11/2024	Stericycle, Inc.	188.44
58545	Check	06/11/2024	Robles, Luz	43.92
58546	Check	06/11/2024	Smith, Dania - Vendor	24.69
58547	Bill Pmt -Check	06/11/2024	Azelis - Adapco Inc	10,602.00
58548	Bill Pmt -Check	06/17/2024	Azelis - Adapco Inc	34,349.80
58549	Bill Pmt -Check	06/17/2024	Advance Auto Parts	119.06
58550	Bill Pmt -Check	06/17/2024	Airgas USA, LLC	92.21
58551	Bill Pmt -Check	06/17/2024	AP Plumbing & Fire, Inc.	385.00
58552	Bill Pmt -Check	06/17/2024	AutoZone, Inc.	1,145.45
58553	Bill Pmt -Check	06/17/2024	Azelis - Adapco Inc	147,082.97
58554	Bill Pmt -Check	06/17/2024	Barnes Welding	1,652.71
58555	Bill Pmt -Check	06/17/2024	Bartkiewicz Kronick & Shanahan	2,961.67
58556	Bill Pmt -Check	06/17/2024	Buckmaster Office Solutions	388.27
58557	Bill Pmt -Check	06/17/2024	Clarke Mosquito Control Products Inc	102,315.05
58558	Bill Pmt -Check	06/17/2024	ECO-CHEK Compliance, Inc.	930.00
58559	Bill Pmt -Check	06/17/2024	Elk Grove Lock and Safe Company	145.00
58560	Bill Pmt -Check	06/17/2024	Factory Motor Parts Co	225.84
58561	Bill Pmt -Check	06/17/2024	Grow West	188.30
58562	Bill Pmt -Check	06/17/2024	Hunt & Sons Inc	3,018.62
58563	Bill Pmt -Check	06/17/2024	Kimball Midwest	557.71
58564	Bill Pmt -Check	06/17/2024	Maita Chevrolet	17.87
58565	Bill Pmt -Check	06/17/2024	O'Reilly Automotive, Inc.	513.19
58566	Bill Pmt -Check	06/17/2024	PG & E	15.27
58567	Bill Pmt -Check	06/17/2024	Spark Creative Design	167.25
58568	Bill Pmt -Check	06/17/2024	Target Specialty Products	448.94
58569	Bill Pmt -Check	06/17/2024	Waste Management C & R, Inc.	256.35
58571	Bill Pmt -Check	06/19/2024	AutoZone, Inc.	204.16
58572	Bill Pmt -Check	06/19/2024	Clear Channel Outdoor	15,000.00
58573	Bill Pmt -Check	06/19/2024	Crossings TV	4,905.44
58574	Bill Pmt -Check	06/19/2024	Factory Motor Parts Co	45.55
58575	Bill Pmt -Check	06/19/2024	Flip Spaces Design Labs, Inc.	20,123.11
58576	Bill Pmt -Check	06/19/2024	Hunt & Sons Inc	6,228.79
58577	Bill Pmt -Check	06/19/2024	iHeart Media	13,480.00
58578	Bill Pmt -Check	06/19/2024	Kimball Midwest	135.67
58579	Bill Pmt -Check	06/19/2024	KQCA My58	6,535.00

12:30 PM

## Sacramento-Yolo Mosquito and Vector Control District

07/09/24

## Check Register

Accrual Basis

June 2024

Num	Type	Date	Name	Credit
58580	Bill Pmt -Check	06/19/2024	KXTV News 10	14,500.00
58581	Bill Pmt -Check	06/19/2024	Premium Heating & Air Conditioning, Inc.	4,175.00
58582	Bill Pmt -Check	06/19/2024	Russian American Media Inc	2,498.00
58583	Bill Pmt -Check	06/19/2024	Sacramento County Utilities	973.14
58584	Bill Pmt -Check	06/19/2024	Target Specialty Products	19,640.38
58585	Bill Pmt -Check	06/19/2024	TopIMR, LLC	3,500.00
58586	Bill Pmt -Check	06/19/2024	Via Media Cable	2,475.00
58587	Bill Pmt -Check	06/21/2024	Audacy, Inc.	8,142.49
58588	Bill Pmt -Check	06/21/2024	Effectv - Vendor	3,593.32
58589	Bill Pmt -Check	06/21/2024	Entravision Communications Corporation	13,075.00
58590	Bill Pmt -Check	06/21/2024	Lazer Broadcasting Corporation	4,050.00
58591	Bill Pmt -Check	06/21/2024	Lotus Sacramento Corp.	2,480.00
58592	Bill Pmt -Check	06/21/2024	Nadel	6,412.96
58593	Bill Pmt -Check	06/21/2024	PG & E	1,553.35
58594	Bill Pmt -Check	06/21/2024	Radio Santisimo Sacramento	1,500.00
58595	Bill Pmt -Check	06/21/2024	RKL eSolutions, LLC	200.00
58596	Bill Pmt -Check	06/21/2024	Salem Media Group Inc	3,885.00
58597	Bill Pmt -Check	06/21/2024	Univision Communications Inc	4,000.00
58598	Bill Pmt -Check	06/21/2024	Veseris - ES Opco USA LLC	55,126.50
58599	Bill Pmt -Check	06/24/2024	AutoZone, Inc.	180.35
58600	Bill Pmt -Check	06/24/2024	Azelis - Adapco Inc	65,250.90
58601	Bill Pmt -Check	06/24/2024	Bay Area Digital Solutions	9,000.00
58602	Bill Pmt -Check	06/24/2024	Bonneville International	13,140.00
58603	Bill Pmt -Check	06/24/2024	Capital Public Radio Inc	1,500.00
58604	Bill Pmt -Check	06/24/2024	Elk Grove Ford	185.10
58605	Bill Pmt -Check	06/24/2024	Elk Grove Lock and Safe Company	70.68
58606	Bill Pmt -Check	06/24/2024	Ferrellgas	29.06
58607	Bill Pmt -Check	06/24/2024	Grow West	62.45
58608	Bill Pmt -Check	06/24/2024	Hunt & Sons Inc	2,290.80
58609	Bill Pmt -Check	06/24/2024	O'Reilly Automotive, Inc.	51.07
58610	Bill Pmt -Check	06/24/2024	Safe Side Security	625.00
58611	Bill Pmt -Check	06/24/2024	UC Davis Regents	325.00
58612	Bill Pmt -Check	06/24/2024	Umbrella Digital Marketing	4,250.00
58613	Check	06/26/2024	CA Department of Motor Vehicles	65.00
58616	Bill Pmt -Check	06/27/2024	ArcSource	1,344.60
58617	Bill Pmt -Check	06/27/2024	Azelis - Adapco Inc	21,452.95
58618	Bill Pmt -Check	06/27/2024	Buckmaster Office Solutions	78.26
58619	Bill Pmt -Check	06/27/2024	Clarke Mosquito Control Products Inc	3,239.35
58620	Bill Pmt -Check	06/27/2024	KMAX-TV	8,500.00
58621	Bill Pmt -Check	06/27/2024	KTXL-TV Fox 40	4,025.00
58622	Bill Pmt -Check	06/27/2024	Luken Benjamin & Associates, LLC	17,300.00
58623	Bill Pmt -Check	06/27/2024	NBCUniversal Owned TV Stations	7,000.00
58624	Bill Pmt -Check	06/27/2024	Republic Services #922	356.16
58625	Bill Pmt -Check	06/27/2024	Safety Kleen Systems, Inc.	474.83
58626	Bill Pmt -Check	06/27/2024	Spark Creative Design	1,181.84
58627	Bill Pmt -Check	06/27/2024	Stericycle, Inc.	93.44
58628	Bill Pmt -Check	06/27/2024	T-Mobile	2,460.60
58629	Bill Pmt -Check	06/27/2024	Target Specialty Products	64,671.75
58630	Bill Pmt -Check	06/27/2024	Verizon Wireless	2,981.86
				1,019,536.71

Jun 24

**Sacramento-Yolo Mosquito and Vector Control District**  
**STATEMENT OF OPERATION**  
July 2023 through June 2024

	Jul '23 - Jun 24	Budget	\$ Over Budget
Ordinary Income/Expense			
Income	20,025,458.99	19,292,432.00	733,026.99
Gross Profit	20,025,458.99	19,292,432.00	733,026.99
Expense			
12500 · Prepaid Expense*	0.00		
5000 · SALARIES/BENEFITS/WC	9,260,593.03	10,240,688.00	-980,094.97
5200 · OPERATIONAL			
5210 · LIABILITY INSURANCE	297,579.18	288,499.00	9,080.18
5250 · AUDITING/FISCAL	19,000.00	25,000.00	-6,000.00
5270 · COMMUNICATIONS	102,453.38	110,000.00	-7,546.62
5310 · PUBLIC INFORMATION	553,655.76	611,000.00	-57,344.24
5340 · STRUCTURE & GROUNDS	168,078.55	71,000.00	97,078.55
5370 · MEMBER/TRAINING	148,841.22	160,000.00	-11,158.78
5390 · DISTRICT OFFICE EXPENSES	20,877.81	25,000.00	-4,122.19
5430 · PROFESSIONAL SERVICES	319,781.18	341,000.00	-21,218.82
5440 · MATERIALS & SUPPLIES	16,653.93	14,500.00	2,153.93
5450 · RENTS & LEASES	9,503.62	12,000.00	-2,496.38
5470 · SAFETY PROGRAM	3,710.00	5,000.00	-1,290.00
5480 · UTILITIES	104,593.15	140,000.00	-35,406.85
6120 · AIRCRAFT SERVICES	1,299,492.83	1,129,000.00	170,492.83
6140 · ECOLOGICAL MANAGEMENT	10,634.07	20,500.00	-9,865.93
6160 · MICROBIAL	1,147,164.01	1,150,000.00	-2,835.99
6170 · BIORATIONALS	1,148,640.21	1,200,000.00	-51,359.79
6180 · INSECTICIDES	906,540.66	750,000.00	156,540.66
6220 · FISHERIES	28,633.31	41,000.00	-12,366.69
6280 · GEOGRAPHIC INFO SYSTEMS	4,056.00	9,000.00	-4,944.00
6320 · INFORMATION TECHNOLOGY	100,281.29	120,000.00	-19,718.71
6350 · CONTROL OPERATIONS	42,650.49	70,000.00	-27,349.51
6370 · SHOP DEPT	169,690.87	145,000.00	24,690.87
6420 · LAB SERVICES	166,283.15	230,000.00	-63,716.85
6450 · GAS & PETROLEUM	194,448.90	250,000.00	-55,551.10
Total 5200 · OPERATIONAL	6,983,243.57	6,917,499.00	65,744.57
66000 · Payroll Expenses	0.00		
Total Expense	16,243,836.60	17,158,187.00	-914,350.40
Net Ordinary Income	3,781,622.39	2,134,245.00	1,647,377.39

	Jul '23 - Jun 24	Budget	\$ Over Budget
<b>Other Income/Expense</b>			
<b>Other Expense</b>			
7000 · CAPITAL ACCOUNTS			
70010 · CAPITAL OUTLAY	406,817.11	193,000.00	213,817.11
70050 · CONTINGENCY	0.00	0.00	0.00
70070 · RESEARCH FUND	60,000.00	75,000.00	-15,000.00
70080 · BUILDING IMPROVEMENT	40,650.00	735,000.00	-694,350.00
70085 · CalPERS Add Discretionary Pmt	1,975,783.00	1,500,000.00	475,783.00
<b>Total 7000 · CAPITAL ACCOUNTS</b>	<b>2,483,250.11</b>	<b>2,503,000.00</b>	<b>-19,749.89</b>
70040 · EQUIPMENT REPLACEMENT	0.00	600,000.00	-600,000.00
90999 · Suspense Expense	0.00		
<b>Total Other Expense</b>	<b>2,483,250.11</b>	<b>3,103,000.00</b>	<b>-619,749.89</b>
<b>Net Other Income</b>	<b>-2,483,250.11</b>	<b>-3,103,000.00</b>	<b>619,749.89</b>
<b>Net Income</b>	<b>1,298,372.28</b>	<b>-968,755.00</b>	<b>2,267,127.28</b>

# Sacramento-Yolo Mosquito and Vector Control District

## July 16, 2024 Board Meeting

### 3. Reports to the Board

#### a. Manager's Report

#### b. Reports from District Departments

- **Lab/Surveillance (Sarah Wheeler)**
- **Ecological Management (Kevin Combo)**
- **Biological Control (Ken Harris)**
- **Larval and Adult Control (Marty Scholl)**
- **Public Outreach (Luz Maria Robles)**

#### a. Manager's Report

The season is moving along with crews responding to mosquito activity with surveillance and treating breeding sites where needed. The District has seen an increase in West Nile virus activity over the last few weeks. The current hotspots of activity are the Land Park area in Sacramento County and Zamora in Yolo County. We will continue to implement enhanced surveillance and control measures in these areas.

The District's surveillance has also continued to pick up *Aedes aegypti* and *Aedes albopictus* in various locations throughout the District. We have responded with more surveillance and door to door inspections. We have also worked some overtime hours to help facilitate better access to homes.

The front office remodel is coming along with the hopes that it will be completed by the end of the month.

The audit is still in process and we hope to have a report to the Board next month. We are waiting on the auditors to finish their portion.

The PAMCA representatives will be present to give a presentation to the Board.

#### b. Reports from District Departments

- **Lab/Surveillance (Sarah Wheeler)**
- **Ecological Management (Kevin Combo)**
- **Biological Control (Ken Harris)**
- **Larval and Adult Control (Marty Scholl)**
- **Public Outreach (Luz Maria Robles)**

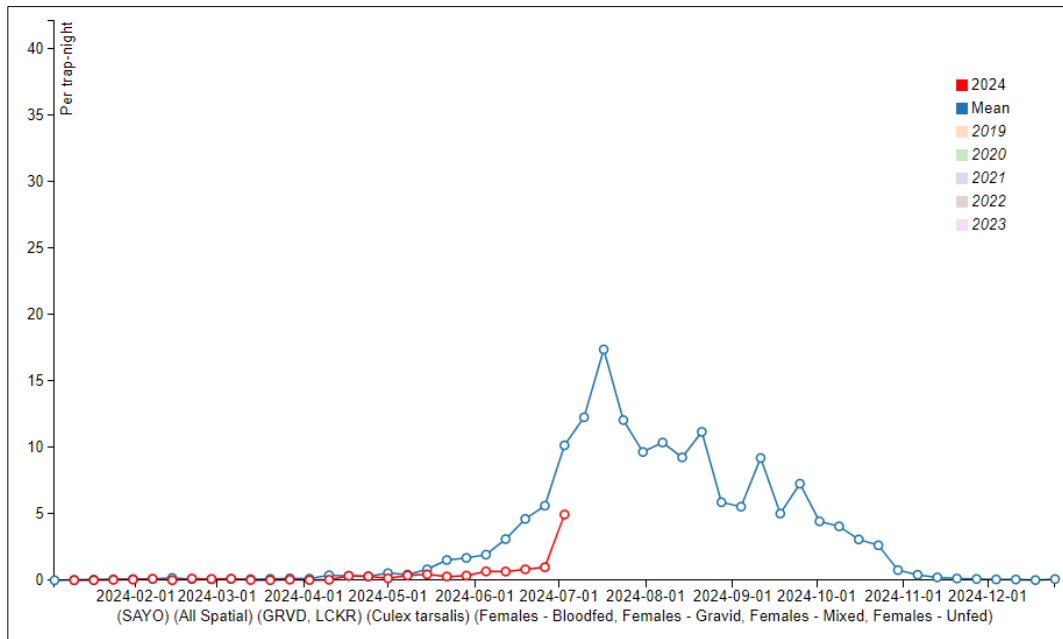
## LABORATORY Monthly Report, July 2024 Board Meeting

### Insectary:

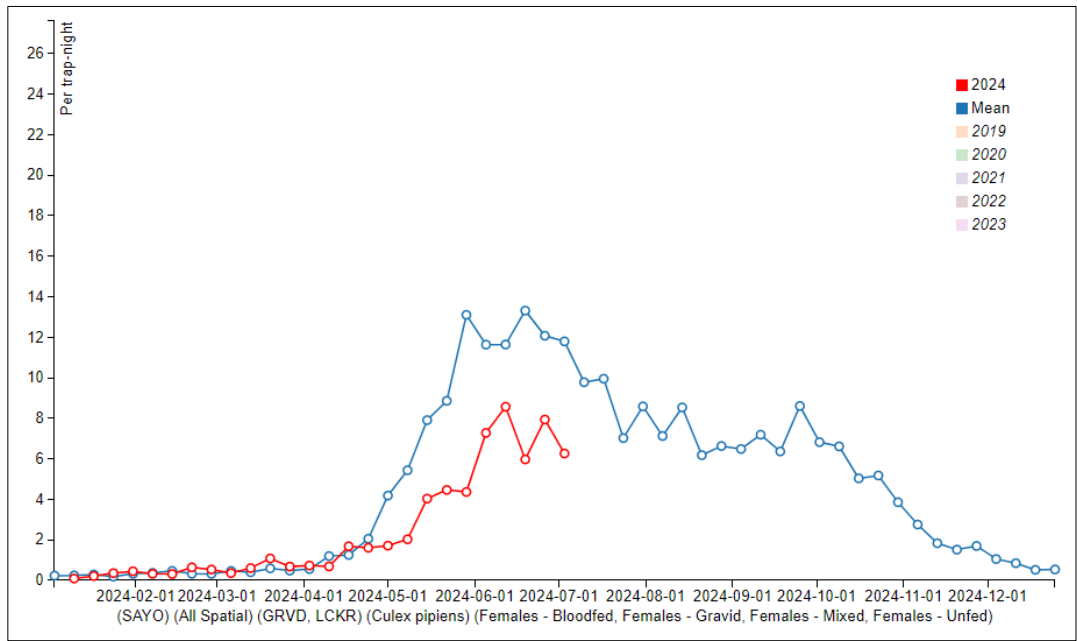
Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2023)	resistant: pyrethrins/pyrethroids, methoprene, and spinosad
<i>Culex tarsalis</i>	VFCT	Vic Fazio Yolo Wildlife Area (2020)	resistant: pyrethrins/pyrethroids
<i>Aedes sierrensis</i>		Sonoma County (2016)	susceptible

### 2024 Surveillance update through 7/8/2024

**Weekly mosquito collections** – The following graphs show overall *Culex tarsalis* and *Culex pipiens* abundance from gravid traps and locker traps placed in permanent locations throughout Sacramento and Yolo Counties.

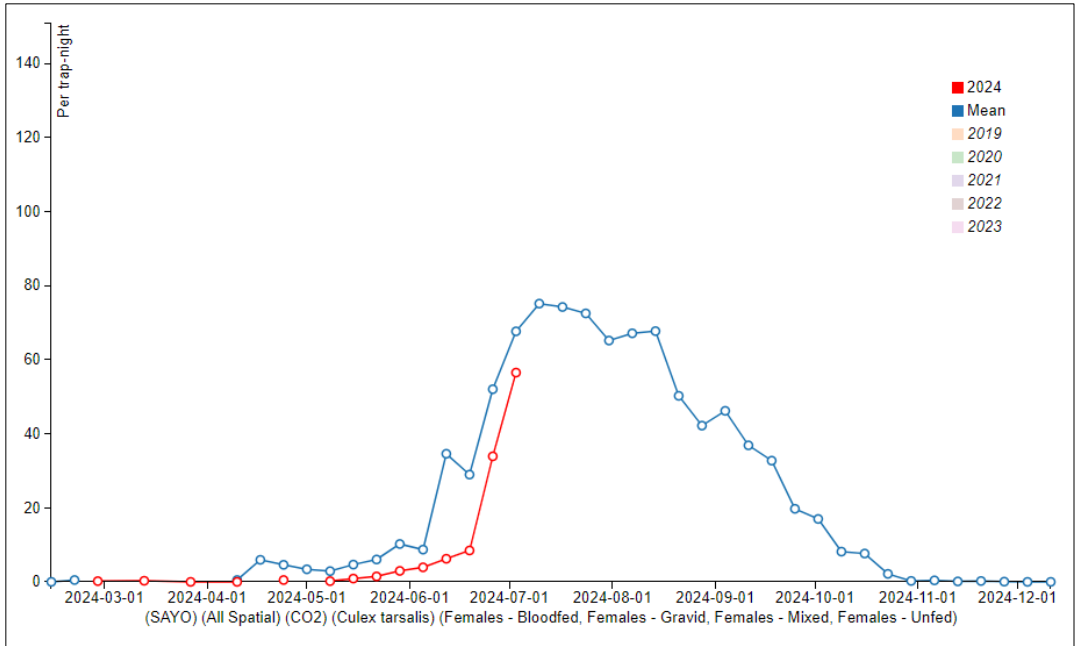


Weekly *Culex tarsalis* abundance traps in locker and gravid traps.

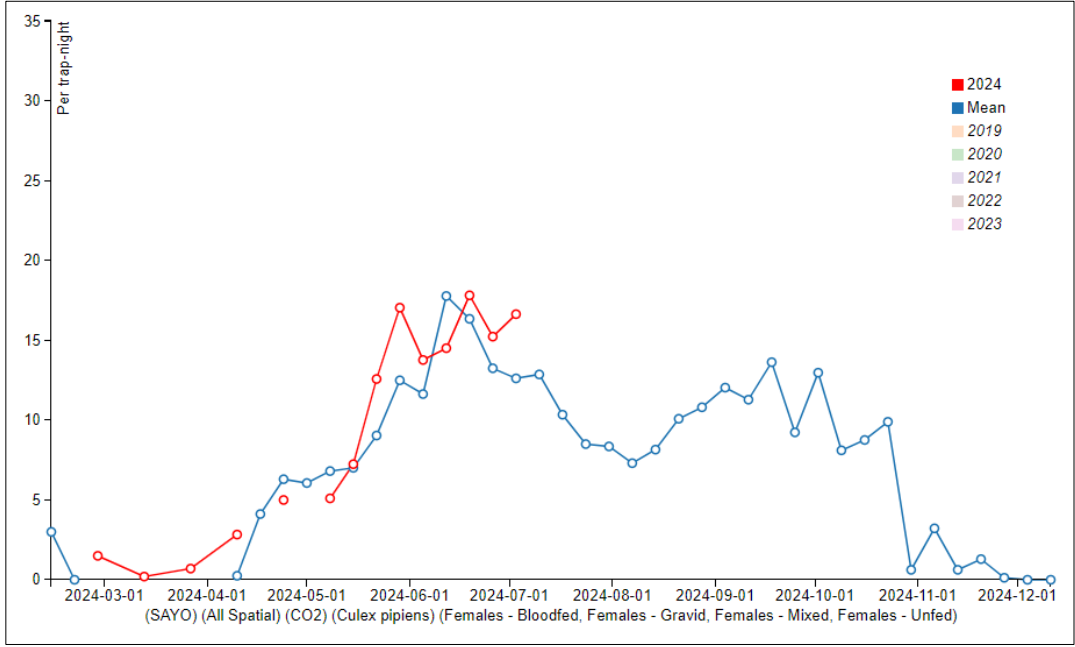


Weekly *Culex pipiens* abundance traps in locker and gravid traps.

**Encephalitis Vector Surveillance (EVS)** – The following graphs show the number of *Culex tarsalis* and *Culex pipiens* that were collected in CO<sub>2</sub>-baited EVS traps that were set in established and response locations throughout Sacramento and Yolo Counties. *Culex tarsalis* and *Culex pipiens* were tested for West Nile virus (WNV), western equine encephalitis virus (WEEV), and Saint Louis encephalitis virus (SLEV).



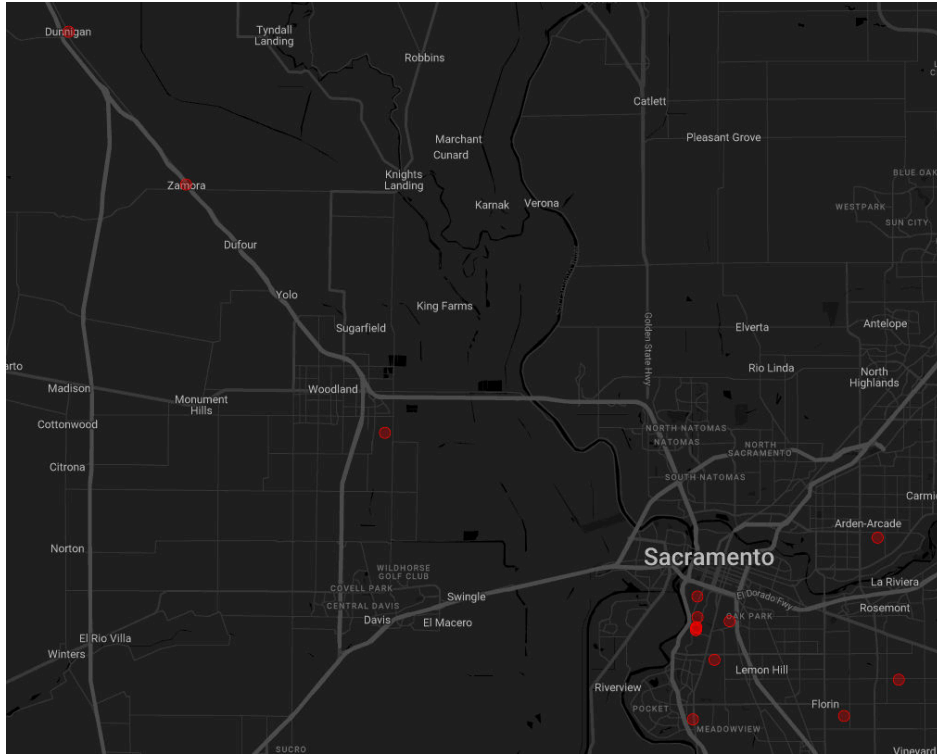
Culex tarsalis collected in CO2 traps



Culex pipiens collected in CO2 traps

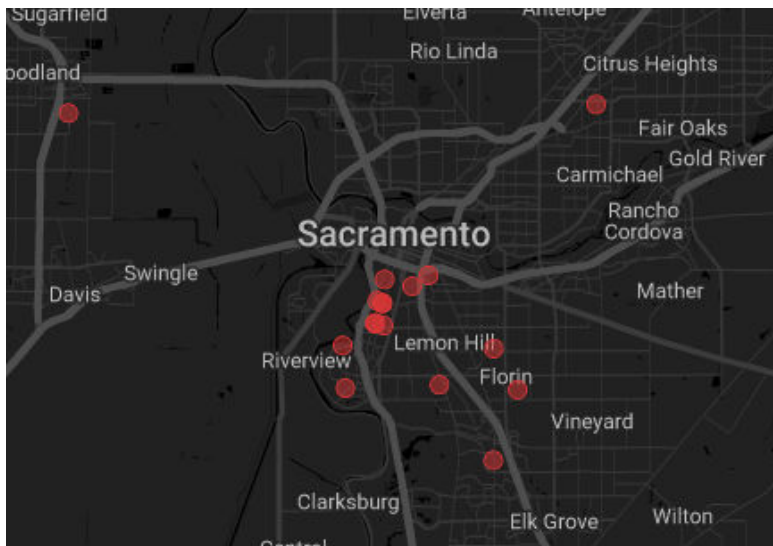
**Mosquito testing** - Thus far 1,782 pools of *Culex pipiens* and *Culex tarsalis* were tested for WNV, SLEV, and WEEV. Of these, 14 pools from Sacramento and 4 pools from Yolo County were positive for WNV.





Cumulative 2024 WNV-positive mosquito pools

**Dead bird surveillance** – To date 214 dead birds have been collected and tested. In total, 23 of 178 were WNV-positive from Sacramento County and 1 of 36 was WNV-positive in Yolo County.



Cumulative 2024 WNV-positive dead birds

**Sentinel chickens** – All sentinel chickens at five sentinel chicken locations (Dunnigan, Knights Landing, Rancho Murieta, Isleton, and Sacramento) remain negative for WNV antibodies.

**Rice surveillance** – Specialized traps (Biogents Counter traps) were deployed to the rice fields the first week of June and are currently collecting mosquito abundance data.

**Human disease response surveillance** –Three travel-related cases of Dengue virus (DENV) were investigated in West Sacramento, Folsom, and Woodland. No *Aedes aegypti* were detected around the West Sacramento or Folsom case. However, *Aedes aegypti* was detected near the Woodland case. A single sample was collected (two females) and sent to DART for testing. The sample was negative for DENV, more trapping is planned in the area.

***Aedes aegypti* and *Aedes albopictus* Surveillance** – Surveillance continues for *Aedes aegypti* and *Aedes albopictus*. *Aedes aegypti* activity has been detected widely, *Aedes albopictus* has not yet been collected in 2024. The cumulative 2024 trapping effort is shown below.

City	County	Trap nights	Total females collected	
			<i>Aedes aegypti</i>	<i>Aedes albopictus</i>
Carmichael	Sacramento	9	2	
Citrus Heights	Sacramento	35		
Elk Grove	Sacramento	74		
Fair Oaks	Sacramento	1		
Folsom	Sacramento	70	1	
Rancho Murieta	Sacramento	15		
Sacramento	Sacramento	409	181	
West Sacramento	Sacramento	68	8	
Davis	Yolo	41		
Winters	Yolo	275	98	
Woodland	Yolo	33	4	

**Tick surveillance** – Tick collection will resume in November 2024.

**The California Arbovirus Surveillance Bulletin #13 Week 27 Friday, July 5, 2024**

2023 & 2024 YTD West Nile Virus Comparisons		
	2023	2024
Total No. Dead Bird Reports	2,772	3,170
No. Positive Counties	17	20
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	65 / 607	84 / 791
No. Positive Mosquito Pools / No. Tested	283 / 19,332	269 / 18,678
No. Seroconversions / No. Tested	0 / 1,370	0 / 1,498

<b>YTD WNV Activity by Element and County, 2024</b>					
<b>County</b>	<b>Humans</b>	<b>Horses</b>	<b>Dead Birds</b>	<b>Mosquito Pools</b>	<b>Sentinel Chickens</b>
Alameda			13	4	
Contra Costa			3		
Fresno				56	
Imperial				2	
Kern				2	
Kings				4	
Los Angeles				4	
Merced				3	
Orange				1	
Riverside			1	157	
Sacramento			23	14	
San Bernardino			2	5	
San Diego			2		
San Joaquin			3	4	
San Mateo			5		
Santa Clara			31	2	
Stanislaus				5	
Tulare				2	
Yolo			1	3	
Yuba				1	
<b>Totals</b>	<b>0</b>	<b>0</b>	<b>84</b>	<b>269</b>	<b>0</b>

## ECOLOGICAL MANAGEMENT DEPARTMENT

July 2024

### Ecological Management Projects

#### Stone Lakes National Wildlife Refuge (Sacramento County)

In 1993, the District entered into an memorandum of understanding (MOU) with the Stone Lakes National Wildlife Refuge (SLNWR) in an effort to provide mosquito control on refuge property that is located close to heavily populated areas all while trying to preserve and protect habitat as outlined in the SLNWR management plan. This season, SLNWR staff requested assistance on multiple projects to include but not limited to: removal of invasive aquatic vegetation, mowing, re-grading of infrastructure ditches etc. All projects will have a positive impact on mosquito control activities by allowing faster flood-up and drawdowns of wetland cells, reducing harborage used by immature mosquitoes from natural predators, and increasing the efficacy of the pesticides applied. SLNWR provided equipment and technical expertise in coordination with SYMVCD staff to accomplish projects that will achieve both the co-equal goals of the refuge and the District.



*Image: Blocked culvert*

*Image: Cleaning of culvert*

#### [Stone Lakes Drainage Video](#)

#### Yolo Bypass Wildlife Area (Yolo County)

The Ecological Management Department continues to coordinate with California Department of Fish and Wildlife (CDFW) staff on specific BMP projects that will benefit the District by reducing pesticide usage and/or increasing the efficacy of larvicide applications. Staff continue to disc joint grass (*Paspalum distichum L.*) and bermuda grass (*Cynodon dactylon*) that immature larvae use as harborage from mosquito predators.





## Cemetery Program



Ecological Management along with Urban and Fisheries seasonal employees completed the annual treatment of cemetery vases using Watersorb polymer crystals in Sacramento and Yolo Counties prior to the July 4<sup>th</sup> holiday. Staff treated approximately 38,902 vases in twenty-five cemeteries. Staff observed about 7%-10% breeding rate in inspected vases.

The Sumilary trial in cemetery vases continues to show promise as a long term control for immature larvae in cemetery vases. After 15 weeks of monitoring, staff observed 100% mortality in larval populations in a lab setting regardless of the type of vases (plastic, galvanized, powder coated) that were sampled. In a natural setting (Eastlawn Elk Grove Cemetery), staff detected a total of four treated vases out of approximately 1100 treated vases that had adult emergence for a 99.6% control of vases sampled. Moving forward, staff will continue to monitor vases and collect data to see how long the material will be efficacious in treated vases in a lab and natural settings.



**BIOLOGICAL CONTROL**  
**Monthly Report for July 2024 Board Meeting**

In June, the Fisheries Department began our rice stocking program. Our first fish plant request for rice fields came in on June 26th. This was a month earlier than last season and on schedule for when we typically expect rice fields to become available. In addition, Fisheries technicians stocked several wetlands at Roosevelt Ranch and in the Yolo Bypass. Moving forward, the department will begin seining all ponds on a rotation. These fish are held in our inside tanks overnight and monitored for disease and health before being redistributed to rice fields the following day. Throughout the month, the department distributed 145.25 pounds of mosquitofish for application. This was an 80-pound increase compared to the same period last season. Furthermore, Fisheries technicians assisted South Sacramento and Urban Operations crews with various source inspections and treatments when available.

Daily activities such as water quality testing and tank cleaning continued to maintain high-quality fish. Fisheries technicians also performed pond fertilization, freshwater well pumping, pond aeration, and circulation as needed.

Log of Treatment Applied for June

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish ( <i>Gambusia affinis</i> )	145.25 lbs	389.7 Acres	432
Guppies ( <i>Poecilia reticulata</i> )	.4 lbs	.255 Acres	2

Log of Treatment Applied for the year 2024

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish	325.56 lbs	1,098.54 Acres	1,864
Guppies	.6 lbs	.263 Acres	5

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
41,000.00	26,154.84	14,845.16	64%





Above : *Picture of technician stocking a rice field.*

Bottom Left : *Picture of technicians collecting fish from a seine.*

Bottom Right: *Picture of technician doing water quality testing.*



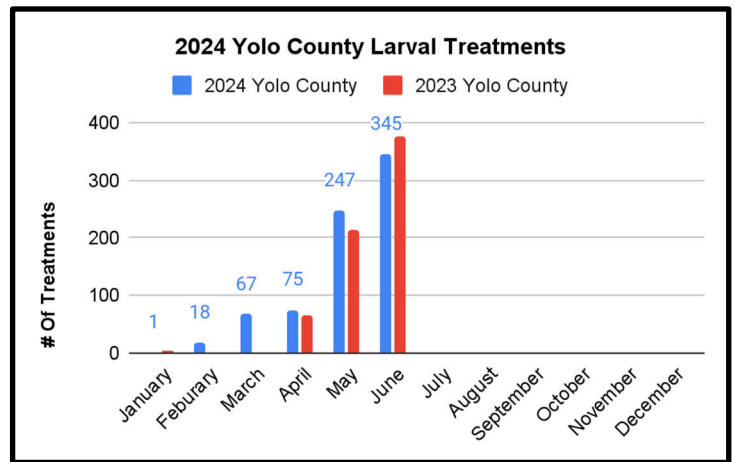
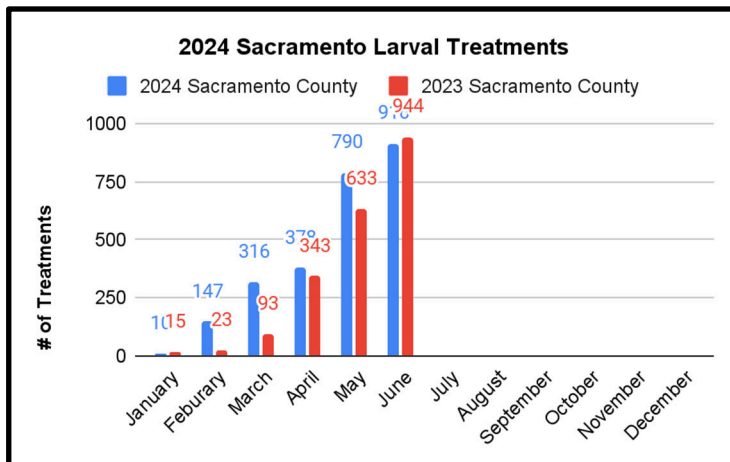
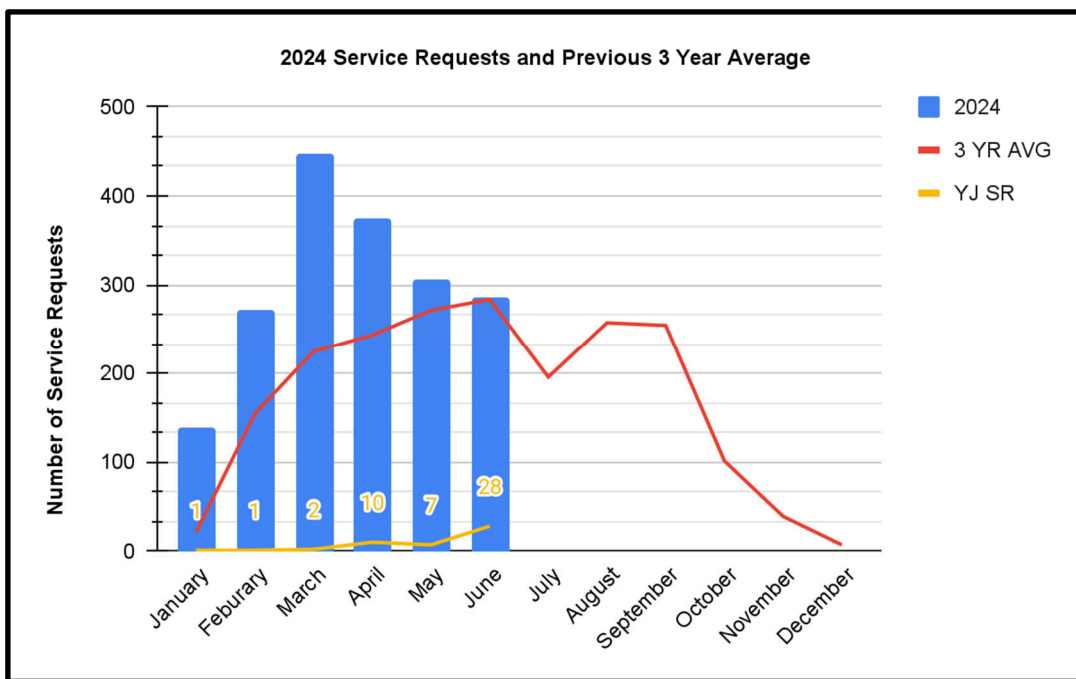
## CONTROL OPERATIONS Monthly Report for the July 2024 Board Meeting

### Culex, West Nile Virus (WNV) and General Mosquito Control

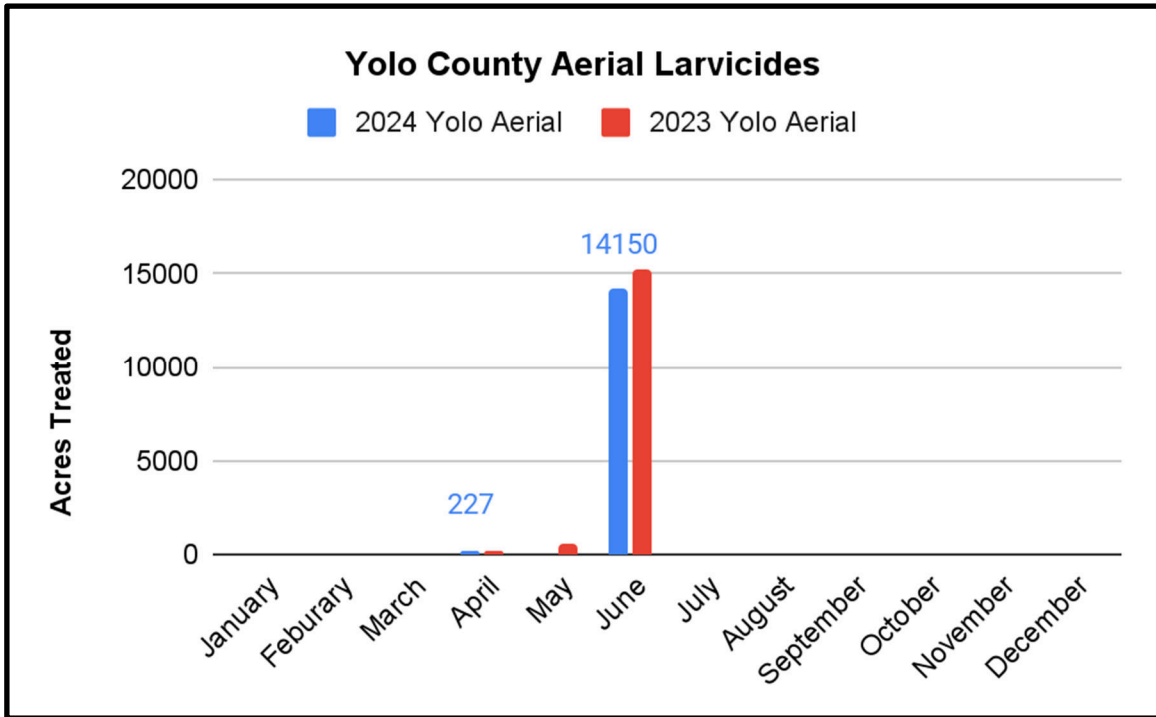
Sixteen ground based ULV applications have been made in response to high abundance and or West Nile virus positive mosquito pools.

Irrigated agricultural crop and pasture areas are being monitored weekly with numerous larvicide applications being performed on a routine basis.

Vector Control Disease International (VDCI) performed three aerial adulticide applications over rural agricultural areas in the Month of June.







**Rice Program**

All rice has been planted and is in rotation for flooding and herbiciding. Yolo County Control crews have been dipping on a North and South area rotation from week to week. Sacramento County has had a slower start to the season with control crews dipping the Natomas area weekly until fields start needing routine treatments.

**Catch Basin Program**

Catch Basin Program has treated 30,876 and Inspected 106,655 basins to date. In 2023 a total of 31,837 were treated at this time. The Catch Basin Program will continue to rotate larval products based upon active ingredient and formulations on a district wide basis.

**Pool Program**

Control operations conducted seventy five pool and spa treatments last month. We are anticipating getting new urban imagery as provided by Nearmap in the coming weeks which will help bolster the urban pool program with verification of known unmaintained pools as well as finding new locations.

**Yellowjacket Control**

North and South Sacramento Control Operations are beginning to switch the baited traps to a protein meat based bait as the numbers of queens being captured has dwindled due to seasonal temperatures and humidity.

## **Urban Control Operations:**

### **Invasive Aedes Control Program**

The Aedes control Department continues to monitor existing detection areas with the current locations of greater concern in Winters and Natomas areas. The crew visited 1,040 residents and set out 83 overnight traps with one new detection in Folsom. Appropriate control measures will be taken if adult trapped numbers continue to increase.

### **Aerial UAS Applications**



Leading Edge Aerial Technologies (LEA) has performed one application in each County in the month of June. In early July, LEA treated an organic rice field Sut of Davis with the new Organically registered Vectobac FG+ granular larvicide.

**PUBLIC INFORMATION AND EDUCATION**  
**Monthly Report for July Board Meeting**

**Advertising and Media**

The advertising campaign continues to be in full swing and our Fight the Bite messages are airing consistently across radio and television stations. The media schedule is in flights so that our messages are being rotated across stations and this ensures a constant presence at all times throughout the media market. In addition to these commercials we also have a variety of digital and traditional billboards throughout the region.

Earlier in the month I was invited as a guest on Insight, a program with Capital Public Radio. The segment was live and we discussed the recent detection of West Nile virus activity throughout different areas within the city of Sacramento as well as areas in Yolo County. In addition, to the rise in WNV activity, I also did two radio interviews on two different Spanish language radio stations.

Upon the first detections of West Nile virus activity in Yolo County, we issued a joint press release with the Yolo County Health Department and received media coverage in the Sacramento Bee and other news outlets.

**Partnership with the Sacramento zoo**

Since there has been an increase in West Nile virus activity around the Sacramento zoo, Land Park and neighboring areas, we reached out to the director of education at the zoo to deliver repellent and explore partnership opportunities. A meeting was scheduled and they were excited about having us be a part of their children's summer camps, having a table during an upcoming member's night, providing a presentation to their docents and possibly setting up an exhibit. In addition, control operations staff has also been coordinating with other zoo care staff to address mosquito breeding sites and control response activities when necessary.

**Government affairs:**

As part of our ongoing detection of invasive mosquitoes as well as WNV activity, we have been keeping local elected officials informed by sending them regular email updates with our findings and response plan. We have also been coordinating closely to disseminate joint information via social media platforms.

**Events:**

This month we are excited to be at the Courtland Pear Fair on July 28th! The event begins with a well-attended parade and includes a kid's activities zone, music and local food. At the end of June we were able to participate in an event called Rhythm by the River sponsored by the city of West Sacramento. It was a great event that was family friendly and included a variety of activities and vendor booths. The event was held in the early evening so talking about mosquitoes was very relevant and attendees thanked us for being there to provide valuable

information. In addition, at the request of a Sacramento councilmember in south Natomas, we recently attended a Movie in the Park. It was great to be in the community where invasive mosquitoes have recently been detected and we have done adult mosquito control treatments. Residents were receptive to our booth and loved the free repellent wipes.

**Repellent and Materials Distribution:**

Repellent distribution continues as field technicians in the invasive mosquito crew distribute repellent and other district materials as they are conducting door-to-door outreach.

In addition, we have recently provided repellent to a neighborhood association in Galt and to NorCal-Resist, a 501c3 non-profit organization that provides services to a variety of low income and immigrant populations. In addition, we are already coordinating repellent distributions for National Night Out activities.

**MVCAC and Public Relations Committee**

We are currently coordinating media training as part of our PR symposium for the upcoming MVCAC Conference in Oakland. I am soliciting bids from potential vendors and bring this information back to the committee. In addition, San Mateo MVCD recently produced a tick video in English and asked if the script could be translated into Spanish along with a voiceover so a Spanish version of the video could be produced.



## **Sacramento-Yolo Mosquito and Vector Control District**

### **Fiscal Year 2024-2025 Budget**

**ANTICIPATED REVENUES AND ESTIMATED EXPENDITURES**

**Revenues**

Fiscal year revenue is determined through a growth forecast provided by the auditor controller of each County. These estimates are based on the preliminary tax rolls as of July 1.. Several revenue categories are affected by property tax growth within Sacramento and Yolo Counties. These categories consist primarily of current secured and current unsecured tax monies. The District apportionment factor for secured and unsecured properties ranges between 0.007-0.008 of 1% of total valuation. The blended increase in revenue based on the values below from the county assessor offices would be 5.97%.

**Sacramento County**

Year	Roll Values	Amount of Change	Percentage Change
2023-2024	\$220,199,116,417	\$12,248,207,789	5.89%
2022-2023	\$207,950,908,628	\$8,246,566,302	4.13%
2021-2022	\$199,704,342,326	\$9,856,543,030	5.19%
2020-2021	\$189,847,799,296	\$10,682,188,084	5.96%
2019-2020	\$179,165,611,212	\$10,984,431,509	6.53%
2018-2019	\$168,181,179,703	\$10,633,074,991	6.75%
2017-2018	\$157,548,104,712	\$ 9,495,699,299	6.41%
2016-2017	\$148,052,405,413	\$ 7,361,121,567	5.23%
2015-2016	\$140,691,283,846	\$ 6,193,465,438	4.60%
2014-2015	\$134,497,818,408	\$ 8,186,226,622	6.48%
2013-2014	\$126,311,591,786	\$ 4,816,559,925	3.96%
2012-2013	\$121,495,031,861	<b>-\$3,316,714,715</b>	<b>-2.66%</b>
2011-2012	\$124,811,746,576	<b>-\$3,957,804,112</b>	<b>-3.07%</b>
2010-2011	\$128,769,550,688	<b>-\$2,857,967,297</b>	<b>-2.17%</b>
2009-2010	\$131,627,517,985	<b>-\$9,002,844,284</b>	<b>-6.40%</b>
2008-2009	\$140,630,362,269	\$ 2,923,341,534	2.12%

**Yolo County**

Year	Roll Values	Amount of Change	Percentage Change
2023-2024	\$36,006,664,106	\$2,196,633,204	6.50%
2022-2023	\$33,810,030,902	\$2,280,330,139	7.23%
2021-2022	\$31,529,700,763	\$1,342,060,266	4.45%
2020-2021	\$30,187,640,497	\$1,477,721,361	5.15%
2019-2020	\$28,709,919,136	\$1,496,031,577	5.50%
2018-2019	\$27,213,887,559	\$1,458,729,298	5.66%
2017-2018	\$25,755,158,261	\$1,291,138,670	5.28%
2016-2017	\$24,464,019,591	1,224,570,521	5.27%
2015-2016	\$23,239,449,070	\$1,420,848,471	6.51%
2014-2015	\$21,818,600,599	\$1,343,122,551	6.56%
2013-2014	\$20,475,478,048	\$817,237,298	4.16%
2012-2013	\$19,658,240,750	<b>-\$57,208,464</b>	<b>-0.29%</b>
2011-2012	\$19,715,449,214	<b>-\$158,163,578</b>	<b>-0.80%</b>
2010-2011	\$19,873,612,792	<b>-\$386,889,416</b>	<b>-1.91%</b>
2009-2010	\$20,260,502,208	<b>-\$66,376,927</b>	<b>-0.33%</b>
2008-2009	\$20,326,879,135	\$656,503,045	3.34%

**Anticipated Revenues**

Anticipated revenues are generated from past performance with projections added from assessed value growth in both counties. The current housing market is slowing down but with higher prices due to the interest rates. We conservatively anticipate fiscal year 2024-2025 revenues, including supplemental tax and non-tax revenues, to be approximately **\$20,718,525** as outlined below including a 5% increase over last year:

Sacramento County Property Tax Revenues	\$ 17,367,941
Minus property tax administration fees	\$ 155,000
Subtotal	\$ 17,212,941

Yolo County Property Tax Revenues	\$ 2,980,584
Minus property tax administration fees	\$ 25,000
Subtotal	\$ 2,955,584

Anticipated Total Property Tax Revenue	\$ 20,168,525
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Anticipated Interest Earnings	\$ 125,000
Other Tax Revenues	\$ 275,000
Other Revenue (rent, mosquito control payments, etc.)	\$ 150,000

Anticipated Total Revenues for FY 2024-2025:	\$ 20,718,525
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**Cash In Bank**

The District will start off with “cash in bank” often equal to the amount of revenue received for a fiscal year, and may give the appearance of over-funding, but does not take into account the need for “dry financing” cash to sustain operations between tax receipts. The District anticipates starting the 2024-2025 fiscal year with just over \$16,000,000.

**District Fund Balance**-Pursuant to Resolution 06-21-11 (District Fund Balance Policy), District reserves have been placed in the following three categories:

**Committed Fund Balance**

The Board of Trustees, as the District’s highest level of decision-making authority, may commit fund balance for specific purposes pursuant to constraints imposed by formal actions taken, such as a resolution. These committed amounts cannot be used for any other purpose unless the Board of Trustees removes or changes the specified use through the same type of formal action taken to establish the commitment. The Board of Trustees action to commit fund balance needs to occur within the fiscal reporting period; however, the amount can be determined subsequently.

- **Reserve for Vector / Disease Response**

The District’s General Fund balance committed for a public health emergency is established at \$3,000,000. The specific uses include overtime hours, additional aircraft work, and additional larval control in the event of a public health emergency requiring immediate District response that cannot be absorbed through the existing budget.

- **Capital Expenditures**

Fund balance levels must be sufficient to meet funding requirements for capital expenses of: capital outlay, research, and building improvement. \$700,000 is currently assigned for this category. *If approved, a total of \$1,155,000 would be allocated to the Capital Expenditure accounts as follows:*

<b><u>24-25 Proposed Capital Expenditures</u></b>	
<b>Ecological Management</b>	
Skeleton Bucket	\$6,500
4/1 Bucket	\$6,500
<b>7011-Eco Management Total</b>	<b>\$ 13,000</b>
<b>Shop</b>	
Strut/Spring Tool	\$ 2,000
Air Compressor Dryer	\$15,000
<b>7011-Shop Total</b>	<b>\$ 17,000</b>
<b>Control</b>	
Quad	\$11,000
Guardian quad ULV	\$5,000
<b>7011-Control total</b>	<b>\$16,000</b>
<b>Lab</b>	
RNA Extractor	\$50,000
<b>7011-Lab Total</b>	<b>\$ 50,000</b>
<b>Public Information</b>	
Projector	\$2,000
<b>7011-Public Information Total</b>	<b>\$2,000</b>
<b>Fisheries</b>	
Netted Pond	\$ 100,000
Tractor	\$100,000
<b>7011-Fisheries Total</b>	<b>\$ 200,000</b>
<b>Information Technology</b>	
Desktop Upgrades	\$ 6,000
Server/Network	\$ 5,000
Supervisor Laptop Upgrades	\$ 4,000
<b>7011- Information Technology Total</b>	<b>\$ 15,000</b>
<b>7011-Construction in progress (front office)</b>	<b>\$17,000</b>
<b>7011-Capital Outlay Total</b>	<b>\$ 330,000</b>
<b>7016-Equip/Vehicle Replacement Total</b>	<b>\$0</b>
<b>Building Improvement</b>	
Lab Building Expansion (Aux Room)	\$100,000
Parking Garage	\$250,000
<b>7035-Building Improvement Total</b>	<b>\$ 350,000</b>



<b>Research</b>	
AMCARF and Local Projects	\$ 75,000
<b>7030 -Research Total</b>	<b>\$ 75,000</b>
<b>Grand Total All Capital</b>	
<b>Outlay Accounts</b>	<b>\$ 755,000</b>

**Assigned Fund Balance**

Amounts that are constrained by the District’s *intent* to be used for specific purposes, but are neither restricted nor committed, should be reported as assigned fund balance. District policy delegates the authority to assign amounts to be used for specific purposes to the Manager for the purpose of reporting these amounts in the annual financial statements.

- **Salaries and Benefits**

Fund balance levels must be sufficient to meet funding requirements for salaries, PERS retirement, group insurance, and unemployment insurance.

- **Operational Expenditures**

Fund balance levels must be sufficient to meet funding requirements for operational functions of: liability insurance, auditing/fiscal services, communications, public information, structure and grounds, membership/education/training, office, professional services, material and supplies, rents and leases, safety program, utilities, aircraft services, ecological management, microbials, biorationals, insecticides, fisheries, geographic information systems, information technology, control operations, vehicle parts and labor, lab services, gas and petroleum.

- **Cash with Fiscal Agent**

Fund balance levels must be sufficient to meet funding requirements of the Vector Control Joint Powers Agency. The established prudent balance is figured using two potential “hits” or cases per category as illustrated in the table below.

The projected balance at 6/30/24 is anticipated to be \$1,821,342 and will be updated with a final balance once the last quarter and year-end gain/loss reports have been made available.

<b>Policy/Payment Type</b>	<b>Deductible</b>	<b>Premium</b>	<b>x2</b>
Workers' Comp	\$ 50,000		\$ 100,000
Liability	\$ 50,000		\$ 100,000
APD	\$ 500		\$ 2,000
Property	\$ 500		\$ 1,000
<b>24-25 Premium to be Invoiced</b>		\$ 553,082	\$ 1,106,164
Suggested Prudent Balance			\$ 1,309,164
Estimated Balance as of 6/30/2024			\$ 1,821, 342
Est. Payment to Maintain Prudent Balance			\$ -

**Unassigned Fund Balance**

These are residual positive net resources of the general fund in excess of what can be properly classified in one of the other four categories. This accounts for the need of “dry financing” cash

to sustain operations between tax receipts, as well as any reductions in revenues from unrealized growth. District staff anticipates this to be approximately \$2,730,000 as illustrated in the chart below.

<b>District Estimated Reserves &amp; Fund Balance at 6/30/24</b>	
Cash in Count Treasury	\$ 16,000,000
Disease Response	\$ 3,000,000
Capital Outlay	\$ 700,000
Building Improvement Fund	\$ 770,000
Vehicle Fund	\$ 1,800,000
Dry Financing	\$ 7,000,000
Unassigned Reserves	\$ 2,730,000

**ANTICIPATED EXPENDITURES**

The District is concerned about the current state of the economy and the potential long-term impact as it relates to future revenues of the District. Staff has been in contact with both Sacramento and Yolo County Assessor's offices along with CalPERS to assess future revenue limitations. The general consensus is that the long term fiscal impacts are not currently known.

**Personnel Expenditures**

The District expenditures for salaries, temporary help, retirement and insurance are \$12,519,219 Per previous Board direction, this figure does not include 2 Board authorized positions that staff are proposing to continue to leave vacant.

The Consumer Price Index (CPI-U) for the West Region as found on the U.S. Department of Labor, Bureau of Labor Statistics web site for March 2024 is ~3.6%.

**The following categories are breakdowns of the Personnel Expenditures:**

**Retirement Fund-5110 & 5115**

The Tier 1 (2.5% at 55 with 39 employees in this tier) employer contribution rate is comprised of the Normal Cost, the UAL, and the employee contribution of 7.96% .

The Normal Cost for FY 24/25 is 14.62%. The unfunded liability for Tier 1 is budgeted for \$2,898,728. The UAL is currently at a funding status of 78.2% down 8% from last fiscal year.

The Tier 2 (2% at 62 with 42 employees in this tier) employer contribution rate is comprised of the Normal Cost (FY 24/25 is 8.15%) and the UAL.

The Tier 2 UAL is much lower than Tier 1 as the District has been paying it in its entirety each year. The unfunded liability for Tier 2 is budgeted for \$135,000 as the District is 91.4% funded.

Staff is proposing to maintain a more aggressive payment schedule to help pay down this liability as noted in the budget to decrease long-term interest costs to the District.

PERS Retirement Normal Costs

2023-2024 Budget	Proposed 2024-2025 Budget
\$966,450	\$914,087

PERS Retirement Unfunded Accrued Liability (UAL)

2023-2024 Budget	Proposed 2024-2025 Budget
\$2,478,207	\$3,033,735

**Group Insurance-5130**

District policy for group insurance funds up to \$1,400 per employee per month if medical insurance is taken and \$650 per employee per month if medical insurance is waived. This provides funds for employees to purchase major medical, dental, vision, long-term disability, and basic life insurance. Benefits are provided on a calendar year basis and rates for the second half of the fiscal year are not known until renewal occurs in the fall.

2023-2024 Budget	Proposed 2024-2025 Budget
\$938,699	\$1,055,050

**Retiree Insurance 5131**

When establishing the CERBT account for Other Post-Employment Benefits (OPEB) the District made a payment to fully “Fund” the account. The actuarial valuation of the account is done every two years adjusting for changes in the demographics, assumptions and discount rate of the group. Staff recommends paying the cost of premiums for current retirees estimated at \$115,000 for the fiscal year. No payments to the Trust are proposed with this budget.

2023-2024 Budget	Proposed 2024-2025 Budget
\$109,500	\$87,943

**Unemployment Insurance-5140**

Unemployment expenses vary year to year depending on the number of unemployed employees, the number of months unemployed, and the amount of salary received prior to release from employment.

2023-2024 Budget	Proposed 2024-2025 Budget
\$30,000	\$30,000

**Worker’s Compensation-5150**

The workers compensation budget consists of the amount to cover all claims for the current year and is programmed to fund current claim expenses that continue for up to 48 months. The Vector Control Joint Powers Agency determines the District’s 2023-2024 fiscal year payment based on the estimated annual payroll and is adjusted to the actual annual payroll and claims experience at the end of the fiscal year.

2023-2024 Budget	Proposed 2024-2025 Budget
\$238,785	\$248,589

**Operational Expenditures**

Each category is listed in the following pages with a brief description of the items in the various categories.

**Liability Insurance-5210**

The liability insurance account provides coverage for general liability, vehicle liability, automobile comprehensive and collision coverage, property damage, boiler machinery coverage, airplane coverage, employment and overhead expenses for services which do not directly relate to any particular insurance program. The estimated rates for all liability coverage are based on annual payroll and claims as provided by the VCJPA.

2023-2024 Budget	Proposed 2024-2025 Budget
\$269,928	\$304,493

**Auditing / Fiscal Fee-5250**

All services for auditing and preparation of the State Controller's report are drawn from this account, as well as GASB compliance procedures and documents.

2023-2024 Budget	Proposed 2024-2025 Budget
\$25,000	\$25,000

**Communications-5270 & 6250**

Monthly service and maintenance for telephones, mobile phones, and any new installations draw from this account. Established internet connections for laptops and tablets are also reflected in this category. This includes our office phone system and communication devices used by our field personnel.

2023-2024 Budget	Proposed 2024-2025 Budget
\$110,000	\$100,000

**Public Information Programs-5310**

Services and supplies for the education program include pamphlets, bookmarks, stickers, leaflets, and booth entry fees. We intend to have an aggressive outreach program to educate the public regarding WNV, Invasive species, *Aedes albopictus* and *Aedes aegypti*, and other mosquito issues.

2023-2024 Budget	Proposed 2024-2025 Budget
\$611,000	\$700,000

**Structure and Grounds-5340**

This account provides for expenditures needed to build, maintain, and repair the structures, buildings, and grounds at District-owned facilities. This includes maintenance costs such as painting, plumbing, electrical, herbicides and other repairs. Will also include necessary repairs to the Districts Insectary rooms.

2023-2024 Budget	Proposed 2024-2025 Budget
\$71,000	\$150,000

**Memberships, Education, and Training-5370**

This fund provides for AMCA and MVCAC conference and meeting expenses, which are attended by Trustees and District staff. Other items include MVCAC and AMCA dues, publications, and employee training (computer, supervisory, etc.). Travel to various association meetings has been included.

2023-2024 Budget	Proposed 2024-2025 Budget
\$160,000	\$167,500

**Office Expenses-5390**

All costs for office equipment maintenance, maps, postage, stationary, office supplies, field binders and books are included in this account.

2023-2024 Budget	Proposed 2024-2025 Budget
\$25,000	\$25,000

**Professional Services-5430**

This account provides for attorney fees, consultant fees, soil/water testing, pre-employment physicals, uniforms, drug testing, water quality compliance, aerial surveys and related outside services. The 2021-2022 budget includes planned MapVision upgrades.

2023-2024 Budget	Proposed 2024-2025 Budget
\$304,000	\$341,000

**Materials and Supplies-5440**

The materials and supplies line item covers a large number of items that are used in the shop and the field but are not accounted for in other areas.

2023-2024 Budget	Proposed 2024-2025 Budget
\$14,500	\$16,000

**Rents and Leases-5450**

This category funds special shop tools, copiers and large format printer, field equipment, and other items that are rented/leased. Exploring Enterprise Fleet Management leasing of vehicles for a portion of the Districts vehicle fleet.

2023-2024 Budget	Proposed 2024-2025 Budget
\$12,000	\$712,000

**Safety Program-5470**

This category funds the District Safety Program.

2023-2024 Budget	Proposed 2024-2025 Budget
\$5,000	\$5,000

**Utilities-5480**

Utility charges to the District are forecast based on previous year expenditures.

2023-2024 Budget	Proposed 2024-2025 Budget
\$140,000	\$125,000

**Aircraft Services-6120**

This item reflects the contract with VDCI to address adult mosquito control, as well as Farm Air and Leading Edge larviciding work. We intend to perform validation trials to ensure we are getting maximum performance from our larviciding treatments.

2023-2024 Budget	Proposed 2024-2025 Budget
\$1,129,000	\$1,179,000

**Ecological Management Department-6140**

This category is used to track our expenses to enhance BMP practices on various land uses including, but not limited to, agricultural, wetland, or other similar habitats. This department has 3 employees (One Supervisor and 2 technicians) in addition to 1 backhoe and other heavy equipment. We propose to continue to assist in the implementation of BMP’s with this category.

2023-2024 Budget	Proposed 2024-2025 Budget
\$22,000	\$23,000

**Microbial-6160**

This category incorporates various larvicide materials including Bacillus thuringiensis, Bacillus sphaericus. This account is used for field larvicides and any laboratory experiments. The expenditure in this account can vary from year to year depending on the amount of water available for irrigation of agricultural crops and wetlands.

2023-2024 Budget	Proposed 2024-2025 Budget
\$1,150,000	\$1,200,000

**Biorationals-6170**

This category incorporates various larvicide materials with methoprene and spinosad as active ingredients. This account is used for field larvicides and any laboratory experiments. The expenditure in this account can vary from year to year depending on the amount of water available for irrigation of agricultural crops and wetlands.

2023-2024 Budget	Proposed 2024-2025 Budget
\$1,200,000	\$1,200,000

**Insecticides-6180**

This category incorporates all of the materials used for adulticiding or oils for larviciding including any District experiments. The expenditure in this account can vary from year to year depending on the amount of water available for irrigation of agricultural crops and wetlands. The increase over previous years budget incorporates the amount needed to fulfill the VDCI contract.

2023-2024 Budget	Proposed 2024-2025 Budget
\$750,000	\$900,000

**Fisheries Department-6220**

Our mosquito fish hatchery at Bond Road supplies the public with mosquito fish and other predatory fish. It also provides fish for rice fields, wetlands, and other relatively permanent water sites. The department also exchanges fish with outside Districts for genetic reasons.

2023-2024 Budget	Proposed 2024-2025 Budget
\$41,000	\$35,000

**Geographic Information Systems-6280**

This category addresses our Geographic Information programs, and includes expenses for aerial photographs, software updates, and printer capabilities. The department continues to work on the development of online source reporting and maintenance to streamline automation. The inclusion of new and emerging programs will be evaluated to help the District obtain up to date information.

2023-2024 Budget	Proposed 2024-2025 Budget
\$9,000	\$9,000

**Information Technology-6320**

This category addresses software requirements and hardware capabilities for all other administrative and department uses, and includes software licensing, hardware, and other associated costs. The evolution of the IT department has created the need for efficient and updated data management. The department is also evaluating systems integration that will provide greater accessibility to the public to be able to interface with District services.

2023-2024 Budget	Proposed 2024-2025 Budget
\$150,000	\$130,000

**Control Operations-6350**

All non-vehicle associated equipment such as sprayers, hand-cans, dusters, and safety equipment are provided for in this account.

2023-2024 Budget	Proposed 2024-2025 Budget
\$70,000	\$55,000

**Shop -6370**

The District uses this fund for all repairs, parts and maintenance to the trucks and associated spray equipment, tractors, backhoes, trailers, and ATV's the District owns. Also included in this account is the outside labor and service.

2023-2024 Budget	Proposed 2024-2025 Budget
\$145,000	\$159,500

**Laboratory Services-6420**

The Laboratory Services fund will continue to provide for the mosquito colony, the light trap program, the EVS surveillance program, tick surveillance program, resistance program, and general laboratory supplies and equipment.

2023-2024 Budget	Proposed 2024-2025 Budget
\$230,000	\$204,000

**Gas and Petroleum Products-6450**

Uncertainties in oil producing regions make this category volatile at best.

2023-2024 Budget	Proposed 2024-2025 Budget
\$230,000	\$210,000

**Capital Outlay/CIP-7011 & 1510**

The fund balance created pursuant to GASB 54 reflects an amount of \$700,000 for this category. An itemized list of all of the planned Capital Outlay and Construction in Progress expenditures is on page 4 of this report.

2023-2024 Budget	Proposed 2024-2025 Budget
\$205,500	\$330,000

**Equipment/Vehicle Replacement-7016**

This account is used as a reserve fund to pay for the replacements of the vehicle fleet.

2023-2024 Budget	Proposed 2024-2025 Budget
\$600,000	\$0

**Contingency-7021**

This account is used to track contingency planning to address potential issues such as temporary shutdowns due to non-vector related public health emergencies or disasters made by the District.

2023-2024 Budget	Proposed 2024-2025 Budget
\$0	\$ 0

**Emergency Vector Response-7022**

This account is used to track unanticipated emergency responses made by the District. The District has \$3 million dollars in reserve in the event of a public health emergency requiring immediate District response that cannot be absorbed through the existing budget. This may include overtime hours, additional aircraft work, and additional larval control.

2023-2024 Budget	Proposed 2024-2025 Budget
\$0	\$0

**Research Fund-7030**

2023-2024 Budget	Proposed 2024-2025 Budget
\$75,000	\$75,000

**Building Improvement Fund-7035**

This account was created to enhance our existing buildings or address critical maintenance issues. The Fund balance created pursuant to GASB 54 will be reflected in the Capital Outlay category.

2023-2024 Budget	Proposed 2024-2025 Budget
\$785,000	\$350,000



**2024-2025 Budget Summary**

Personnel Expenditures-Salaries and Benefits: \$ 12,519,219

Operational Expenditures: \$ 7,975,493

Capital Expenditures: \$ 755,000

Total Expenditures: \$ 21,249,712

Total Anticipated Revenues: \$ 20,718,525

Projected Revenues over Expenses: \$ (531,187)

Account Description	FY 24/25 Budget	FY 23/24 Budget
<b>REVENUE</b>	<b>\$20,718,525</b>	<b>\$19,276,747</b>
<b>SALARIES/BENEFITS/WC</b>	<b>\$12,519,219</b>	<b>\$11,335,511</b>
Administrative Department	\$1,161,179	\$1,061,399
Ecological Management Department	\$294,632	\$297,553
Shop	\$295,400	\$281,333
Control Ops Supervisors	\$669,457	\$589,029
Technicians	\$2,991,978	\$2,692,169
Seasonal Helpers	\$420,000	\$420,000
Biological Control: Lab Dept	\$1,073,660	\$1,006,991
Biological Control: Fisheries Dept	\$226,709	\$208,596
Trustee Monthly Meeting	\$16,800	\$16,800
P.E.R.S. Retirement Normal Costs	\$914,087	\$966,450
P.E.R.S. Retirement UAL	\$3,033,735	\$2,478,207
Group Insurance	\$1,055,050	\$938,699
Retiree Insurance Costs	\$87,943	\$109,500
Unemployment Insurance	\$30,000	\$30,000
WORKERS COMPENSATION	\$248,589	\$238,785
<b>OPERATIONAL</b>	<b>\$7,975,493</b>	<b>\$7,277,428</b>
<b>LIABILITY INSURANCE</b>	<b>\$304,493</b>	<b>\$296,928</b>
<b>AUDITING/FISCAL</b>	<b>\$25,000</b>	<b>\$25,000</b>
<b>COMMUNICATIONS</b>	<b>\$100,000</b>	<b>\$110,000</b>
Telephone	\$45,000	\$42,000
Internet	\$30,000	\$0
Mobile Devices	\$25,000	\$68,000
<b>PUBLIC INFORMATION</b>	<b>\$700,000</b>	<b>\$611,000</b>
School Program	\$125,000	\$101,000
Publications	\$20,000	\$27,500
Marketing	\$57,000	\$20,000
Advertising	\$400,000	\$358,000
Events/Fees	\$97,000	\$102,000
Misc Admin	\$1,000	\$2,500
<b>STRUCTURE &amp; GROUNDS</b>	<b>\$150,000</b>	<b>\$71,000</b>
Landscaping & Grounds	\$30,000	\$11,000
Building Services & Repairs	\$80,000	\$20,000
Janitorial	\$40,000	\$40,000
<b>MEMBER/TRAINING</b>	<b>\$167,500</b>	<b>\$160,000</b>
Travel	\$40,000	\$55,000
Conference/Training/Mtg	\$62,500	\$45,000
CDPH-Certification Expenses	\$20,000	\$15,000
Subscrip/Memshp/Dues	\$45,000	\$45,000
<b>DISTRICT OFFICE EXPENSES</b>	<b>\$25,000</b>	<b>\$25,000</b>
<b>PROFESSIONAL SERVICES</b>	<b>\$341,000</b>	<b>\$304,000</b>
Permits/Fees	\$15,000	\$9,000
Legal	\$90,000	\$110,000
Medical	\$5,000	\$3,000
Consulting	\$141,000	\$120,000
Security	\$10,000	\$7,000
Uniforms	\$55,000	\$35,000
Aerial Survey	\$25,000	\$20,000

<b>MATERIALS &amp; SUPPLIES</b>	<b>\$16,000</b>	<b>\$14,500</b>
Water/Coffee	\$9,000	\$8,000
Janitorial Supplies	\$5,000	\$5,000
Locks/Keys	\$500	\$500
Kitchen	\$1,500	\$1,000
<b>RENTS &amp; LEASES</b>	<b>\$712,000</b>	<b>\$12,000</b>
<b>SAFETY PROGRAM</b>	<b>\$5,000</b>	<b>\$5,000</b>
<b>UTILITIES</b>	<b>\$125,000</b>	<b>\$140,000</b>
<b>AIRCRAFT SERVICES</b>	<b>\$1,179,000</b>	<b>\$1,129,000</b>
Larviciding	\$730,000	\$730,000
Adulticiding	\$440,000	\$390,000
Trials	\$9,000	\$9,000
<b>ECOLOGICAL MANAGEMENT</b>	<b>\$23,000</b>	<b>\$22,000</b>
BMP Programs	\$2,000	\$2,000
Project Support	\$10,000	\$8,000
Small Equip Maintenance	\$4,000	\$5,000
UAS Program	\$7,000	\$7,000
<b>MICROBIAL</b>	<b>\$1,200,000</b>	<b>\$1,150,000</b>
<b>BIORATIONALS</b>	<b>\$1,200,000</b>	<b>\$1,200,000</b>
<b>INSECTICIDES</b>	<b>\$900,000</b>	<b>\$750,000</b>
<b>FISHERIES</b>	<b>\$35,000</b>	<b>\$41,000</b>
Medications & Feeds	\$16,000	\$17,000
Lab Supplies	\$1,500	\$2,000
Supplies/Dept. Equipment	\$17,500	\$22,000
Fisheries Miscellaneous		
<b>GEOGRAPHIC INFO SYSTEMS</b>	<b>\$9,000</b>	<b>\$9,000</b>
Software	\$7,600	\$7,600
Accessories	\$1,400	\$1,400
<b>INFORMATION TECHNOLOGY</b>	<b>\$130,000</b>	<b>\$150,000</b>
Hardware	\$30,000	\$40,000
Software	\$100,000	\$110,000
Supplies		
<b>CONTROL OPERATIONS</b>	<b>\$55,000</b>	<b>\$70,000</b>
Supplies	\$10,000	\$10,000
Control Items & Materials	\$10,000	\$15,000
PPE/Safety	\$25,000	\$30,000
Small Equipment	\$10,000	\$15,000
<b>SHOP</b>	<b>\$159,500</b>	<b>\$145,000</b>
Parts Vehicles	\$115,250	\$108,000
Outsource / Heavy Equipment	\$33,250	\$26,000
Equipment Parts & Repair	\$11,000	\$11,000
<b>LAB SERVICES</b>	<b>\$204,000</b>	<b>\$230,000</b>
Insectary	\$6,500	\$6,500
Gen'l Lab Supplies	\$5,000	\$5,000
Services	\$10,000	\$10,000
Surveillance	\$75,000	\$98,000
Sentinel Bird	\$3,500	\$3,500
Pesticide Testing	\$15,000	\$15,000
Services - Small Equipment	\$1,000	\$4,500
MB-Malaria	\$2,500	\$2,500
MB-Chicken	\$4,500	\$2,500
MB-PCR	\$76,000	\$76,000
Microbiology - General	\$5,000	\$6,500

<b>GAS &amp; PETROLEUM</b>	<b>\$210,000</b>	<b>\$250,000</b>
<b>CAPITAL ACCOUNTS</b>	<b>\$755,000</b>	<b>\$1,665,500</b>
Capital Outlay/Construction In Progress	\$330,000	\$205,500
Equipment/Vehicle Replacement	\$0	\$600,000
Contingency		
Research Fund	\$75,000	\$75,000
Building Improvement	\$350,000	\$785,000
<b>TOTALS</b>		
Salaries/Benefits	\$12,519,219	\$11,335,511
Operational	\$7,975,493	\$7,277,428
Capital Accounts	\$755,000	\$1,665,500
<b>Total Budget</b>	<b>\$21,249,712</b>	<b>\$20,278,439</b>

PROJECTED REVENUES \$20,718,525 \$19,276,747

TOTAL BUDGET \$21,249,712 \$20,278,439

PROJECTED REVENUES  
OVER PROJECTED EXPENSES (\$531,187) (\$1,001,692)

# **Sacramento-Yolo Mosquito and Vector Control District**

## **July 16, 2024 Board Meeting**

### **5. Board Authorization to Pay CalPERS Unfunded Liability in the Amount of \$3,033,735**

#### **Staff Report:**

Beginning with FY 15/16, changes made by CalPERS have resulted in a different collection method for employer contributions. Normal cost contributions continue to be collected as a percentage of payroll and contributions towards unfunded liability are collected as annual dollar amounts instead of part of the monthly payroll contribution rate.

The District has a strong history of being fiscally prudent and have adopted the most aggressive payback schedule highlighted in the annual valuation from CalPERS which typically comes out in August of every year. The UAL is subject to the returns and management of the funds through CalPERS and by reducing our balance; we will save interest over the life of the fund. The long term uncertainty surrounding the UAL payment schedule is a concern for the District moving forward as it has the potential to impact future operations.

Our current unfunded liability (UAL) for the classic plan is at \$12,075,481 and is 78.2% funded. The Public Employees' Pension Reform Act (PEPRA) unfunded liability is at \$135,007 and currently is 91.4% funded.

The proposed payment of \$3,033,735 includes the minimum required UAL payment per the amortization schedule (\$704,838 for our Classic plan and \$3,205 for our PEPRA plan) along with an additional discretionary UAL payment for the Classic plan of \$2,193,890 for the Classic plan and an additional ADP of \$131,802 for our PEPRA plan. This expenditure will put us on a ten year payback for the Classic plan and fully fund the UAL for the PEPRA plan and can be absorbed by the current years budget without compromising the integrity of the District's programs. Last year we paid an additional \$2M to the UAL.

The District currently has 27 bases (accounts) that together make up the full UAL. The amortization periods range from 13 to 27 years. The payment would be made to the accounts with the highest balance and the longest term to help minimize future interest charges. We will consult with both our actuary and CalPERS to prioritize the bases to minimize long term costs.

#### **Recommendation:**

**Approve the payment of the CalPERS Unfunded Liability in the amount of \$3,033,735.**

# **Sacramento-Yolo Mosquito and Vector Control District**

## **July 16, 2024 Board Meeting**

### **6. Board Authorization to Pay 2024/2025 Annual Premium Invoice of \$553,082 for Coverage through the Vector Control Joint Powers Agency**

#### **Staff Report:**

The Vector Control Joint Powers Agency (VCJPA) administers both our workers compensation insurance and our liability insurance. The premium deposit is listed on the attached invoice to cover the District for the upcoming fiscal year. This is an increase of about 5% from last year or approximately \$27,000.

#### **Recommendation:**

**Approve the payment of the VCJPA Premium in the amount of \$553,082**



**VECTOR CONTROL JOINT POWERS AGENCY**  
1750 CREEKSIDE OAKS DRIVE  
SUITE 200  
SACRAMENTO, CA 95833  
PHONE: 916.290.4622

# INVOICE

**COVERAGE PERIOD:** 07/01/2024 – 06/30/2025  
**INVOICE NO.:** INV0041  
**INVOICE DATE:** 07/01/2024  
**DUE DATE:** 08/15/2024

**BILL TO:** Sacramento-Yolo MVCD  
8631 Bond Road  
ELK GROVE, CA 95624

DESCRIPTION	AMOUNT
Workers' Compensation Program Contribution	\$248,589.00
Liability Program Contribution	\$232,121.00
Auto Physical Damage Program Contribution	\$25,421.00
Property Program Contribution	\$38,566.00
General Fund	\$6,156.00
Alliant Crime Insurance Program Premium (Group Fidelity)	\$1,368.00
Alliant Deadly Weapons Response Program Premium	\$861.00
<b>TOTAL AMOUNT DUE</b>	<b>\$553,082.00</b>

PLEASE MAKE ALL CHECKS PAYABLE TO VCJPA.

**FOR ELECTRONIC PAYMENTS:** CONTACT VCJPA FINANCE STAFF FOR ACH/WIRE INSTRUCTIONS.

Delinquent amounts shall be assessed a 2% penalty, plus interest at the rate of 10% per annum.

# **Sacramento-Yolo Mosquito and Vector Control District**

## **July 16, 2024 Board Meeting**

### **7. Board Review and Consideration to Purchase MagMAX Extraction System not to Exceed \$50,000**

#### **Staff Report:**

The original MagMAX Particle Processor was purchased in 2010 when establishing the laboratory for mosquito pool testing. The unit has now reached the end of its serviceable life and has begun to malfunction. The MagMAX system will be replaced with an updated model of the current MagMAX system called the KingFisher Flex. The MagMAX system has proven to be durable and is a vital piece of equipment in the laboratory and is used continuously throughout the summer months during West Nile virus testing. The system will also be used to process samples of dead bird tissues and ticks (Lyme disease).

The District is receiving a \$10,000 trade in value from Life Technologies for the replacement of the unit because we bought the original one through their company.

#### **Recommendation:**

**Authorize the purchase of KingFisher™ Flex Magnetic Particle Processor not to exceed \$50,000**



**Life Technologies Corporation**

5781 Van Allen Way  
 Carlsbad, CA 92008  
 Fax No.: 1-800-331-2286 USA  
 To Order: 1-800-955-6288 USA  
[www.thermofisher.com](http://www.thermofisher.com)

To place an order from this quote, sign in to your account at [thermofisher.com](http://thermofisher.com)

Alternatively, you can email your order to  
[NAInstrumentOrders@thermofisher.com](mailto:NAInstrumentOrders@thermofisher.com)  
 or Fax it to 877-680-2537.

To ensure you receive your discount pricing, please clearly reference your quotation number on your purchase order. Please issue your **Purchase Order to: Life Technologies Corporation.**

We now offer highly competitive financing options with low monthly payments. Please contact your local sales representative, or click [here](#) for more information on how we can meet your financing needs.

<b>Valid From</b>	: 06/11/2024
<b>Valid To</b>	: 08/30/2024
<b>Freight Terms</b>	: FOB FACTORY - FRT QUOTED
<b>Payment Terms</b>	: Net 30

SACRAMENTO YOLO MVCD
VECTOR CONTROL DISTRICT
8631 BOND RD
ELK GROVE, CA 95624 US
<b>ATTN:</b>

WE ARE PLEASED TO QUOTE ON YOUR REQUIREMENT AS FOLLOWS

Item No	SKU	Description	Min Qty	List Price	Net Price	Extended Price
1	5400630	KF FLEX WITH 96 DW HEAD EACH	1	\$75,400.00	\$52,780.00	\$52,780.00
2	S202	TRADE-IN CREDIT EACH	1	\$0.00	-\$10,000.00	-\$10,000.00
<p><b>Product Notes:</b> We are offering a \$10,000 trade-in credit for the return of your Model MAgMax Express 96. Serial number 710-653. The credit is being offered in advance and is contingent upon purchase of the new instrument and Life Technologies receiving good and clear title to, and possession of, the trade-in instrument accompanied by the original Certification of Decontamination (see below) Pickup at Delivery(Preferred). You may take the credit for the return of the trade-in instrument off the dollar value of your purchase order. The purchase order must reflect the trade-in dollar amount as a separate line item. After your purchase order is received, you will receive a Return Authorization letter (RA), and a Certificate of Decontamination. The Certificate of Decontamination MUST be completed and faxed back to Life Technologies prior to the instrument return and the original Certificate of Decontamination must be placed on the on the outside of the crate. If our receipt of the trade-in instrument is not confirmed within 30 days after installation of your new instrument, you will be invoiced for and must pay the amount of the advanced credit given.</p> <p>PRICE FOR THE NEW INSTRUMENT AFTER TRADE-IN CREDIT HAS BEEN APPLIED WILL BE \$42,780.00</p>						
3	TRN00340	SMARTSTART KINGFISHER, 1DAY EA EACH	1	\$3,650.00	\$0.00	\$0.00

Estimated Shipping & Handling : \$276.50

Estimated Tax : \$4,642.45

Total: \$47,698.95

July 03, 2024

Optional Items:

Item No	SKU	Description	Min Qty	List Price	Net Price	Extended Price
4	ZG11SCKF 96DW	AB ASSURANCE,KINGFISHER 96DW PC	3	\$8,882.00	\$5,950.94	\$17,852.82

This quotation, and Life Technologies' **GENERAL TERMS AND CONDITIONS OF SALE** (which are incorporated by reference into this quotation and any resulting contract), set out the terms on which Life Technologies is offering to sell the product(s) or service(s) listed in this quotation. By issuing a purchase order or otherwise ordering or accepting product(s) or services, you expressly confirm that you intend to be bound by and agree to the terms of this quotation and Life Technologies' General Terms and Conditions of Sale to the exclusion of all other terms not expressly agreed to in writing by an authorized representative of Life Technologies, and that the purchase and sale transaction between you and Life Technologies is subject to and will be governed by this quotation and Life Technologies' General Terms and Conditions of Sale.

Customers may be required to evaluate as a discount, for cost-reporting purposes, the value of any Product listed as \$0.00 on any invoice. The Product listed as \$0.00 represents an in-kind discount and is included in the total fair market value price for the instrument product.

Life Technologies' General Terms and Conditions of Sale can be found on Life Technologies' website at <http://www.thermofisher.com/termsandconditions> under the "terms and conditions" link at the bottom of the webpage.

NOTE: Customer MUST reference quotation number when ordering to receive discounts

#### ADDITIONAL TERMS AND CONDITIONS OF QUOTATION

1. This quotation shall apply only to direct order purchases. In order to receive quoted prices, the quotation number must be referenced at time of order. Credits will not be issued for orders not referencing quotation numbers.
2. The effective dates of this quotation appear on the first page unless otherwise noted.
3. Percentage discounts in this quotation will be calculated from our current price for the applicable product. Discounts will be calculated from single unit catalog price. We reserve the right to change our prices at any time. Any increase or decrease to the price of a product would result in a change to your discounted price. Certain discounts are based on categories of products (e.g., "Pricing Product Line" or "PPL" discounts) that might change over time. We reserve the right to re-align products within a category or add or remove products to or from a specific category at any time. Such realignment, addition or removal may result in a change to your discounted price for a particular product.
4. We may terminate this quotation upon written notice.
5. This quotation contains our confidential pricing information which if disclosed to third parties could cause competitive harm to us. Subject to overriding obligations to third party funding agencies or governmental entities, the customer agrees to keep all pricing information contained herein confidential.

**Devan Lee**  
**devan.lee@thermofisher.com**  
**Sales Representative**