

Sacramento-Yolo
MOSQUITO & VECTOR
CONTROL DISTRICT

June 20, 2023

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

AND

704 West Main Street
Winters, CA 95694

**AGENDA
June 20, 2023
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.

CALL TO ORDER:

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

1. **Items for Approval by General Consent:**
 - a. **Minutes of the May 23, 2023 Board of Trustees Meeting**
 - b. **Expenditures for May 2023**
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 Discussion of Draft District Budget for 2023-2024**

5. **Board Review and Consideration Regarding Revised Language in Personnel Manual and MOU with OE3 to Address CalPERS Concerns of Longevity Incentive Pay**
6. **Board/Staff Reports and Requests**
7. **Adjournment**

Sacramento-Yolo Mosquito and Vector Control District

June 20, 2023 Board Meeting

1. Items for Approval by General Consent:

- a. Minutes of the May 23, 2023 Board of Trustees Meeting;
- b. Expenditures for May 2023

Recommendation:

Approve the Items by General Consent

**MINUTES OF THE MAY 23, 2023
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 Marcia Mooney at 10:00 a.m.

Trustees Present:

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

Staff Present:

Gary Goodman	Manager
Jeni Buckman (10:13am)	Legal Counsel
Steve Ramos	Assistant Manager
Tony Hedley	Assistant Manager
Rebecca Lane	Administrative Manager
Marty Scholl	Ecological Mgmt. Supervisor
Ken Harris	Biological/Fisheries Supervisor
Sarah Wheeler	Lab Director
Kevin Combo	Control Operations (No. Sacramento) Supervisor
Luz Robles	Public Information Officer

Others Present:

Felix Huerta	Union Representative	
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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 Sean Denny, the Board voted to approve the General Consent Items. The vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Absent: 2

- a. Minutes of the April 25, 2023 Board of Trustees Meeting
- b. Expenditures for April 2023
- c. District Investment Report for Period Ending March 31, 2023
- d. Board Consideration of Resolution Honoring Marilou Thomas for Her Years of Service
- e. Board Consideration of Resolution Honoring Bruce Eldridge for His Years of Service

Dr. Eldridge left the meeting at 10:22 a.m.

2. Opportunity for Public Comment

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

Union Representative Felix Huerta provided a handout relating to a recent arbitration ruling between Operating Engineers Local Union No. 3 v. Sacramento-Yolo Mosquito & Vector Control District.

3. Reports to the Board

Manager's Report:

The Manager discussed the current status of the West Nile season so far in the District and the level of activity in the State of California. He also highlighted the issues surrounding the recent AMCA Washington Day that was also attended by Trustees Denny and Barker.

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

Lab/Surveillance:

Lab Director Sarah Wheeler provided an update regarding mosquito abundance, remained low through April. The dead bird call center opened on April 10th and we have collected and tested 32 dead birds with negative results. Mosquito trapping and testing for West Nile virus (WNV) will begin on May 15, 2023. Sentinel chickens have been deployed and are sampled every other week for antibodies attributable to WNV. There were no human disease cases reported to the District since the last update. Tick abundance peaked in January and declined through February and March. The slight increase in *Ixodes pacificus* abundance in April was attributable to supplemental flagging for nymphs. Only two pools were positive for *Borrelia burgdorferi* in April, one pool each from Willow Creek and Snipes Pershing.

Ecological Management:

Ecological Management Department Supervisor Kevin Combo updated the Board on current Ecological Management BMP and vegetation control projects. Staff are currently working on approximately 35 projects that have been submitted from Control Operation field technicians. Kevin highlighted a recently completed water management project that utilized the backhoe to excavate a pasture drainage ditch that has reduced approximately six acres of a significant mosquito breeding site that is adjacent to residential properties in south Elk Grove. Departmental staff attended multiple meetings with state and federal wetland preserve managers from Cosumnes River Preserve and Stone Lakes Wildlife Preserve to discuss draw down and irrigation schedules for the upcoming season. Staff met with property managers for Aerojet / Rocketdyne and were allowed access to the property to monitor and treat mosquito breeding sites that have filled low areas due to record setting rainfall.

Biological Control:

Fisheries/Biological Control Supervisor provided an update on fish distribution to grow out ponds and fisheries activities. The update included information relevant to training, pond chemistry, continued maintenance of equipment and facilities, and fish usage by technicians and the number of sources and acreage treated. The Department has interviewed and hired seasonal employees, and are looking forward to the work to be done in June.

Larval and Adult Control:

Program Manager Marty School summarized ongoing invasive *Aedes* control, Catch Basin control, and Field control activities on and off site. Irrigations have started in both counties, Sherman Island wetlands refilling after being low due to Invasive Nutria control. Spring source treatments are up, double from last year, due to more water. The last of the Pool Program mailers were sent out this past week. Service requests are picking up. Yolo Service requests thus far are mostly for fish in residential ponds and for midges. *Aedes* larval detection was made in Rosemont and two adult traps in Natomas last week. Yolo Rice agreements are coming in.

Public Outreach:

Public Information Officer Luz Robles provided an update regarding the advertising campaign which will start up again at the end of the month for the Memorial Day weekend. She also mentioned the District's ongoing partnership with the Sacramento Rivercats this season. There has been ongoing media interest relating to a potentially busy upcoming mosquito season due to the very wet winter and with tick nymphs possibly having higher levels of Lyme Disease. The month of May has been busy with events, with the District having an educational booth at five events, including five days at the Sacramento County Fair. Lastly, Luz provided an update regarding the District's

ongoing social media efforts, repellent distributions to various cities, and her collaboration on the public relations committee with MVCAC.

4. Board Review and Consideration of Prepayment to Farm Air for Aerial Larviciding Services

Manager Goodman explained the item indicating that the District will be saving approximately \$7,000 by prepaying Farm Air \$200,000. The Board discussed and the Manager clarified that the payment would come out of the current fiscal year, even though some of the services paid for will not occur until the following fiscal year.

Trustee LaTorre moved to approve and Trustee Denny seconded the motion to approve the prepayment to Farm Air in the amount of \$200,000. The vote was taken by roll call and the motion passed by the following vote: Ayes: 10, Noes: 0. Absent 3.

5. Board Review and Discussion of District Plan for 2023 Rice Larvicide Applications and Aerial Adulticiding Program

Assistant Manager Steve Ramos gave an update on the anticipated status of rice in the District. The report included the different products used to curb mosquito breeding in rice and an overview of the District's methodology for monitoring and controlling mosquito breeding in rice habitat. The District is anticipating having almost double the amount of rice this year at approximately 35,000 acres.

6. Board Review and Discussion of District Projects and Collaborations for the 2023 Season

Assistant Manager Tony Hedley provided a review of the projects that the District is planning to work on this summer including various evaluations of larvicide, adulticide, surveillance methods, insecticide resistance, and mosquitofish effectiveness. The next steps with the mosquito counting robot and the collaboration with the Pan African Mosquito Control Association was also discussed.

7. Board Review and Discussion of Draft District Budget for 2023-2024

General Manager Gary Goodman gave a review of the proposed 2023-2024 budget. He highlighted that revenues are projected to increase by approximately 4.1% based on the reports by the assessor's office. He highlighted that some of the larger projects for the upcoming FY would include a front office remodel, an expansion of the pole barn for additional parking, new equipment and an additional discretionary payment to the CalPERS UAL. The Board gave direction on the budget items for staff to rework and present at the June meeting.

8. Closed Session- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6-Labor Negotiations) Agency Designated Representatives : [Gary Goodman, Kim Bogard]

Employee Organization: [Operating Engineers Local Union #3]

The Board went into Closed Session at 11:25 a.m. and came out of Closed Session at 12:07 p.m. Board Counsel Jeni Buckman advised that the Board met with the designated Labor Representatives and there was no reportable action.

5. Board/Staff Reports and Requests / General Discussion

General discussion included an update by General Manager Goodman on revisions to the budget and potential updates to the personnel manual.

6. ADJOURNMENT

The meeting adjourned at 12:07 p.m.

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the May 23, 2023, meeting.

Gary Goodman, Manager

Approved as written and/or corrected by the Board of Trustees at the June 23, 2023, meeting.

Charles Duty, Board Secretary

Check History Report
Sorted By Check Number
Activity From: 5/1/2023 to 5/31/2023

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank

Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
056569	5/4/2023	0000009	Afforda-Test	535.00	Auto
056570	5/4/2023	0002541	Barnes Welding	676.88	Auto
056571	5/4/2023	0000038	Bartkiewicz Kronick & Shanahan	1,161.68	Auto
056572	5/4/2023	0001011	Buckmaster Office Solutions	111.14	Auto
056573	5/4/2023	0000083	CA Department of Tax and Fee Administration	154.00	Auto
056574	5/4/2023	0000117	City of Woodland	293.18	Auto
056575	5/4/2023	0002608	Cleanit Maintenance Systems LLC	2,995.00	Auto
056576	5/4/2023	0000128	Consolidated Communications	2,218.55	Auto
056577	5/4/2023	0000168	Dignity Health Med Fdtn-Sacramento	216.00	Auto
056578	5/4/2023	0000181	Elk Grove Dodge	7.51	Auto
056579	5/4/2023	0000186	Elk Grove Water District	355.77	Auto
056580	5/4/2023	0001233	Grow West	204.62	Auto
056581	5/4/2023	0002540	Hippensteel Group	1,332.50	Auto
056582	5/4/2023	0000240	Hunt & Sons Inc	8,748.09	Auto
056583	5/4/2023	0000277	Kimball Midwest	531.59	Auto
056584	5/4/2023	0002352	Kingsley Bogard, LLP	6,712.00	Auto
056585	5/4/2023	0002575	Mike & Son's Truck Repair, Inc.	501.52	Auto
056586	5/4/2023	0000367	PG & E	4,360.25	Auto
056587	5/4/2023	0000388	Republic Services #922	424.60	Auto
056588	5/4/2023	0000562	RKL eSolutions, LLC	1,687.50	Auto
056589	5/4/2023	0000404	Sac Metro Air Quality Management District	1,283.00	Auto
056590	5/4/2023	0000413	Sacramento County Utilities	960.54	Auto
056591	5/4/2023	0000427	Safety Kleen Corp	583.39	Auto
056592	5/4/2023	0000461	Stericycle Inc	93.44	Auto
056593	5/4/2023	0001234	T-Mobile	1,483.52	Auto
056594	5/4/2023	0002407	Valley Fire & Security	69.50	Auto
056595	5/4/2023	0000522	Verizon Wireless	3,088.73	Auto
056596	5/4/2023	0000006	Adapco Inc	21,749.82	Auto
056597	5/4/2023	0000013	Airgas USA LLC	86.24	Auto
056598	5/4/2023	0000216	City of Galt	25.00	Auto
056599	5/4/2023	0000119	Clarke Mosquito Control Products Inc	21,103.20	Auto
056600	5/4/2023	0000502	ES Opco USA LLC	108,071.10	Auto
056601	5/4/2023	0000199	Farm Air Flying Service	1,029.56	Auto
056602	5/4/2023	0000979	Filipino Fiesta of Sacramento c/o Rosie Dauz	200.00	Auto
056603	5/4/2023	0000204	Fisher Scientific International Inc	875.86	Auto
056604	5/4/2023	0000250	Jack Nadel International	6,828.84	Auto
056605	5/4/2023	0000286	Leading Edge Associates Inc.	17,990.00	Auto
056606	5/4/2023	0000562	RKL eSolutions, LLC	1,572.50	Auto
056607	5/4/2023	0000454	Spark Creative Design	4,779.78	Auto
056608	5/4/2023	0000480	The Grid Agency	8,900.00	Auto
056609	5/4/2023	0000483	UC Davis Regents	450.00	Auto
056610	5/4/2023	0000526	VWR International Inc	864.29	Auto
056611	5/4/2023	0001471	Walker's Office Supply	306.61	Auto
056612	5/10/2023	0002622	Aahana Arjun	100.00	Auto
056613	5/10/2023	0002628	Arwyn Perry	50.00	Auto
056614	5/10/2023	0002623	Ashlyn Singh	75.00	Auto
056615	5/10/2023	0002618	Evan Liu	200.00	Auto
056616	5/10/2023	0002621	Hareem Khuram	50.00	Auto
056617	5/10/2023	0002625	Jezuriah Dator	200.00	Auto
056618	5/10/2023	0002624	Noalani Cuevas	50.00	Auto
056619	5/10/2023	0002620	Sahib Singh	75.00	Auto
056620	5/10/2023	0002626	Schonette Sanders	100.00	Auto
056621	5/10/2023	0000454	Spark Creative Design	2,470.50	Auto
056622	5/10/2023	0002627	Thadeus Kim	75.00	Auto

Check History Report
Sorted By Check Number
Activity From: 5/1/2023 to 5/31/2023

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank

Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
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056623	5/10/2023	0002619	Yuvaan Jain	100.00-	Reversal
056624	5/10/2023	0002428	Benefit Coordinators Corp.	9,651.20	Auto
056625	5/10/2023	0000267	Kaiser Foundation Health Plan	51,060.88	Auto
056626	5/10/2023	0000957	Sutter Health Plus	10,506.66	Auto
056627	5/10/2023	0000531	Western Health Advantage	7,439.26	Auto
056628	5/10/2023	0000531	Western Health Advantage	1,088.41	Auto
056629	5/19/2023	0000504	US Bank	19,189.61	Auto
056630	5/24/2023	0000013	Airgas USA LLC	71.39	Auto
056631	5/24/2023	0002425	Aleshire & Wynder, LLP	2,829.00	Auto
056632	5/24/2023	0000014	Alhambra & Sierra Springs	97.98	Auto
056633	5/24/2023	0000034	AutoZone Inc	897.11	Auto
056634	5/24/2023	0002541	Barnes Welding	961.34	Auto
056635	5/24/2023	0000038	Bartkiewicz Kronick & Shanahan	1,465.00	Auto
056636	5/24/2023	0000050	Biosearch Technologies Inc	5,052.33	Auto
056637	5/24/2023	0001011	Buckmaster Office Solutions	287.70	Auto
056638	5/24/2023	0001019	Cintas Corporation	3,254.65	Auto
056639	5/24/2023	0000128	Consolidated Communications	2,253.36	Auto
056640	5/24/2023	0000133	Costco Wholesale	60.00	Auto
056641	5/24/2023	0000169	Diversified Biotech Inc	731.72	Auto
056642	5/24/2023	0000182	Elk Grove Ford	2,320.18	Auto
056643	5/24/2023	0000198	Factory Motor Parts Co	118.70	Auto
056644	5/24/2023	0000204	Fisher Scientific International Inc	457.29	Auto
056645	5/24/2023	0000958	GreatAmerica Financial Services	376.28	Auto
056646	5/24/2023	0000240	Hunt & Sons Inc	16,229.93	Auto
056647	5/24/2023	0000277	Kimball Midwest	554.17	Auto
056648	5/24/2023	0002352	Kingsley Bogard, LLP	7,910.00	Auto
056649	5/24/2023	0002343	Leading Edge Aerial Technologies Inc.	39,560.00	Auto
056650	5/24/2023	0000441	LGC Clinical Diagnostics, Inc.	351.09	Auto
056651	5/24/2023	0000293	Life Technologies Corporation	21,743.37	Auto
056652	5/24/2023	0000306	Maita Chevrolet	4,774.76	Auto
056653	5/24/2023	0000356	OReilly Automotive Stores Inc	241.82	Auto
056654	5/24/2023	0000367	PG & E	1,041.78	Auto
056655	5/24/2023	0001474	Pitney Bowes Purchase Power	1,007.80	Auto
056656	5/24/2023	0000562	RKL eSolutions, LLC	100.00	Auto
056657	5/24/2023	0000442	Sheldon Feed & Supply	402.00	Auto
056658	5/24/2023	0000451	SMUD	3,412.97	Auto
056659	5/24/2023	0000454	Spark Creative Design	1,648.81	Auto
056660	5/24/2023	0000461	Stericycle Inc	93.81	Auto
056661	5/24/2023	0000518	Vector Disease Control International	53,125.00	Auto
056662	5/24/2023	0000519	Vector Laboratories Inc	1,814.15	Auto
056663	5/24/2023	0000526	VWR International Inc	1,396.03	Auto
056664	5/24/2023	0000529	Waste Management	247.93	Auto
056665	5/31/2023	0000043	Benefit Coordinators Corporation	3,529.33	Auto
056666	5/31/2023	0000084	CA State Disbursement Unit	350.00	Auto
056667	5/31/2023	0001035	Operating Engineers Local Union No. 3	1,088.00	Auto
W00351	5/31/2023	0000511	US Treasury Internal Revenue Service	69,975.34	Wire Transfer
W00352	5/31/2023	0000176	EDD	17,512.38	Wire Transfer
W00353	5/31/2023	0000339	Nationwide Retirement Solutions	3,625.00	Wire Transfer
W00354	5/31/2023	0000339	Nationwide Retirement Solutions	2,300.00	Wire Transfer
W00355	5/31/2023	0000086	CalPERS 457 Plan	17,029.43	Wire Transfer
W00356	5/31/2023	0000087	CalPERS Financial Reporting & Accounting Services	87,215.35	Wire Transfer
Bank U Total:				717,518.10	
Report Total:				717,518.10	

Check History Report
Sorted By Check Number
Activity From: 5/1/2023 to 5/31/2023

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank

Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
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I hereby authorize the use of my signature plate on
the above-listed warrants, 056569-056667, and EFTs

Signature

Date

Marcia Mooney, President of the Board

Sacramento/Yolo M.V.C.D.

STATEMENT OF OPERATION

	<i>11Months Ended May31 2023</i>	<i>Annual Budget</i>	<i>Unused</i>
Revenue			
REVENUE	18,446,261.95	18,412,667.00	33,594.95
TOTAL Revenue	18,446,261.95	18,412,667.00	33,594.95
 Expenditures			
SALARIES/BENEFITS/WC			
SALARIES/BENEFITS/WC	10,007,727.25	10,114,835.00	107,107.75
TOTAL Salaries	10,007,727.25	10,114,835.00	107,107.75
 OPERATIONAL			
LIABILITY INSURANCE	247,704.00	240,624.00	(7,080.00)
AUDITING/FISCAL	11,000.00	18,000.00	7,000.00
COMMUNICATIONS	74,147.70	99,000.00	24,852.30
PUBLIC INFORMATION	377,314.54	595,500.00	218,185.46
STRUCTURE & GROUNDS	67,972.72	69,000.00	1,027.28
MEMBER/TRAINING	81,130.84	148,000.00	66,869.16
DISTRICT OFFICE EXPENSES	21,256.14	22,500.00	1,243.86
PROFESSIONAL SERVICES	370,273.40	297,000.00	(73,273.40)
MATERIALS & SUPPLIES	23,718.35	22,750.00	(968.35)
RENTS & LEASES - Admin	8,386.07	11,550.00	3,163.93
SAFETY PROGRAM	2,370.00	5,000.00	2,630.00
UTILITIES	112,831.94	120,000.00	7,168.06
AIRCRAFT SERVICES	658,407.35	1,074,000.00	415,592.65
ECOLOGICAL MANAGEMENT	4,853.86	14,700.00	9,846.14
MICROBIAL	882,817.36	1,200,000.00	317,182.64
INSECT GROWTH REGULATOR	862,233.65	1,133,000.00	270,766.35
INSECTICIDES	598,181.53	700,000.00	101,818.47
FISHERIES	16,157.22	36,000.00	19,842.78
GEOGRAPHIC INFO SYSTEMS	4,061.00	9,000.00	4,939.00
INFORMATION TECHNOLOGY	65,200.87	80,000.00	14,799.13
CONTROL OPERATIONS	43,261.52	66,000.00	22,738.48
VEHICLE PARTS/LABOR	128,338.08	121,000.00	(7,338.08)
LAB SERVICES	161,089.43	235,300.00	74,210.57
GAS & PETROLEUM	167,053.31	300,000.00	132,946.69
TOTAL Total Operational	4,989,760.88	6,617,924.00	1,628,163.12
 CAPITAL ACCOUNTS			
CAPITAL OUTLAY	108,861.00	233,000.00	124,139.00
EQUIP/VEH REPLACEMENT	0.00	560,000.00	560,000.00
CONTINGENCY	0.00	0.00	0.00
RESEARCH FUND	50,000.00	50,000.00	0.00
BLDG IMPROVEMENT	0.00	385,000.00	385,000.00
TOTAL Capital Accounts	158,861.00	1,228,000.00	1,069,139.00
 TOTAL REVENUE	18,446,261.95	18,412,667.00	33,594.95
TOTAL EXPENDITURES	15,156,349.13	17,960,759.00	2,804,409.87

Sacramento-Yolo Mosquito and Vector Control District

June 20, 2023 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 ten positive dead birds so far this year and three 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.

The District is continuing to be supportive of emerging technologies as it relates to Sterile Insect Technique and we are engaging with numerous entities to explore possibilities of its use in the future. We are hoping that approval and availability will be ready by the 2024 mosquito season.

AMCA is still active in pursuing federal funding for two projects-a nationwide surveillance network like Vectorsurv and a new modeling program for public health applications. The budget markup for these topics are currently ongoing and we are scheduling follow-up visits and engagement with our key legislators.

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)**

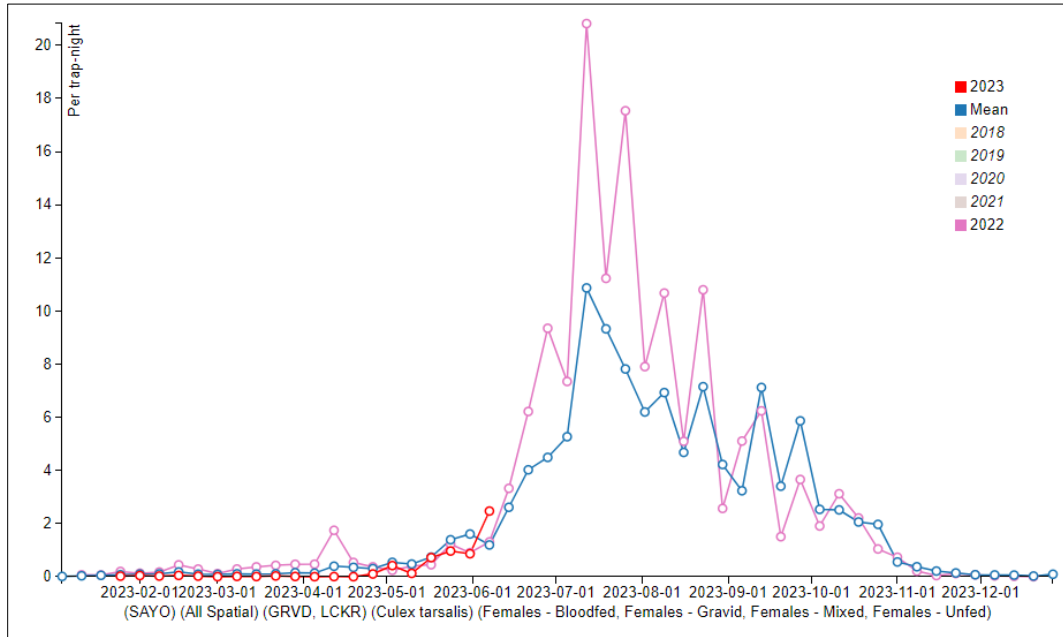
LABORATORY Monthly Report June 2023 Board Meeting

Insectary:

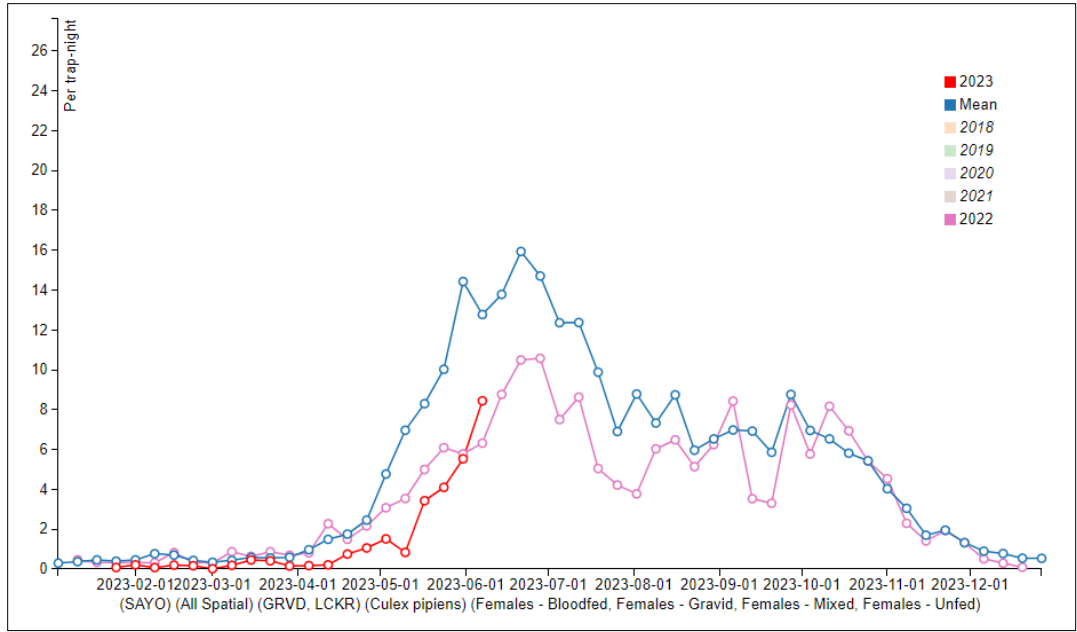
Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2017)	resistant: pyrethrins/pyrethroids, methoprene, and spinosad
<i>Culex tarsalis</i>	VFCT	Vic Fazio Yolo Wildlife Area (2020)	resistant: pyrethrins/pyrethroids
<i>Culex pipiens</i>		Elk Grove (2022)	status under investigation
<i>Aedes sierrensis</i>		Sonoma County (2016)	susceptible

2023 Surveillance update through 6/8/2023

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.

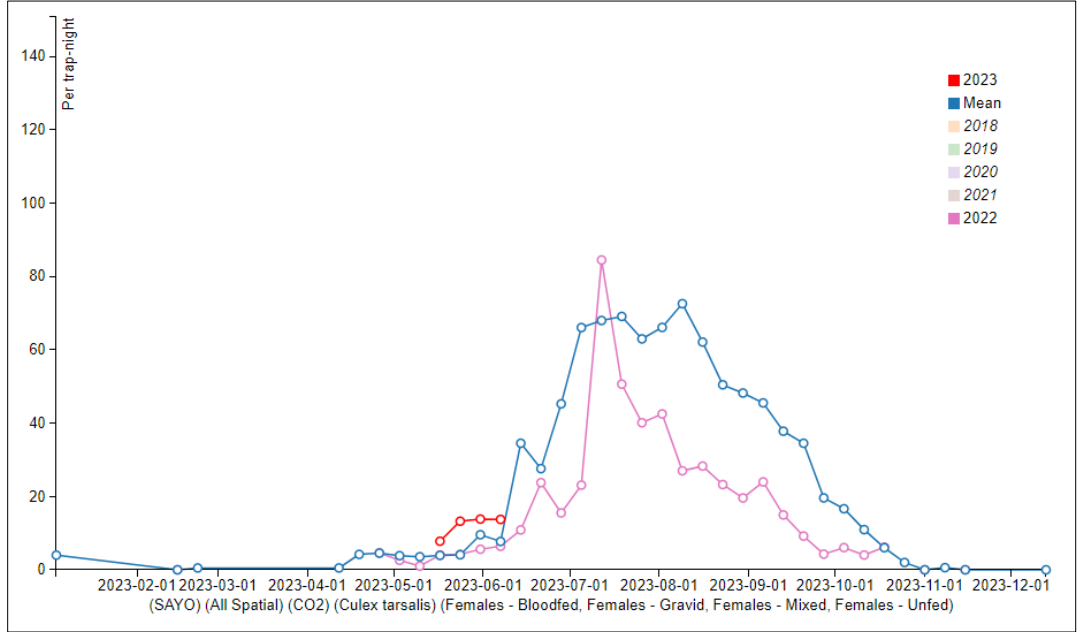


Weekly *Culex tarsalis* abundance traps in locker and gravid traps

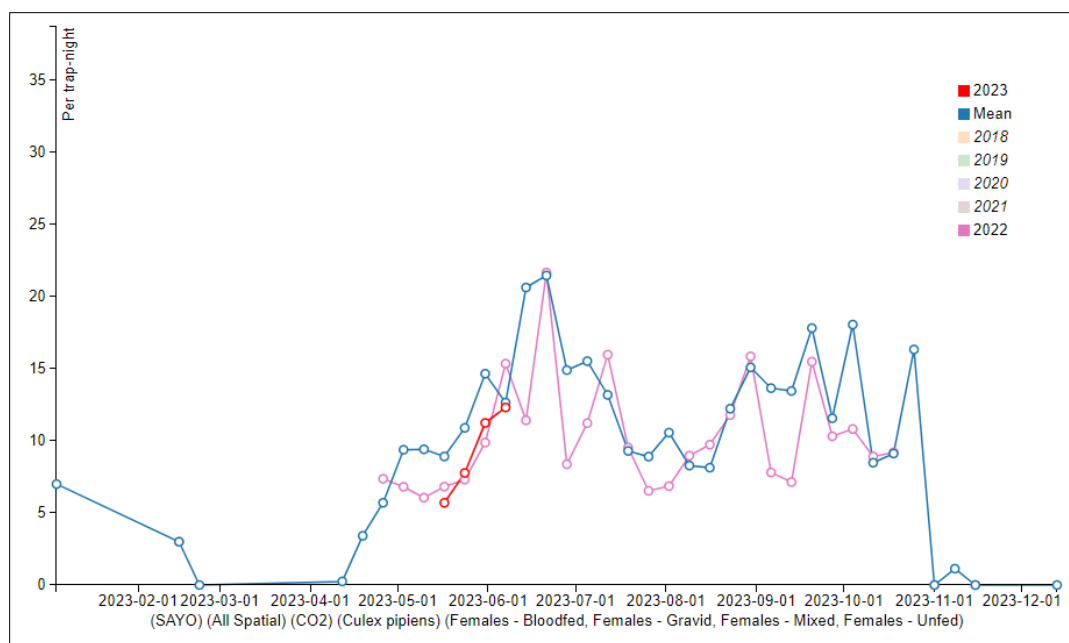


Weekly *Culex pipiens* abundance traps in locker and gravid traps

Encephalitis Vector Surveillance (EVS) – The following graphs show the number of *Culex tarsalis* and *Culex pipiens* that were collected in CO₂-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, western equine encephalitis, and Saint Louis encephalitis.



Culex tarsalis collected in CO2 traps



Culex pipiens collected in CO2 traps

West Nile virus (WNV) testing – Thus far 696 pools of *Culex tarsalis* and *Culex pipiens* were tested for WNV. Of the tested pools two were positive for WNV, one from Isleton and the other from South Natomas.

Dead birds – Dead bird collection resumed on April 10, 2023, thus far 102 birds have been collected and tested. Overall, four birds tested positive for WNV, all were collected within the city of Sacramento.

Sentinel chickens – Sentinel chickens were deployed to five sites in Sacramento (Isleton, Sacramento, and Rancho Murietta) and Yolo (Dunnigan and Knight’s Landing) counties. All chickens remain negative for WNV antibodies.

Rice Surveillance – Counter traps were deployed to Conaway, Vic Fazio, Winters, Natomas, and District 108 rice fields. These traps provide real time mosquito abundance data, allowing for remote monitoring of rice field mosquito populations.

Human disease response surveillance – During May a travel-related case of Malaria occurred in Sacramento, the surveillance investigation is complete, no anopheline vectors were detected in the case vicinity.

Tick surveillance – Tick surveillance is complete for the spring 2023 season and will resume in November 2023.

***Aedes aegypti* trapping effort in Sacramento and Yolo Counties** – Surveillance for *Aedes aegypti* and *Aedes albopictus* is under way, the program is focused both on monitoring known populations and identifying emerging areas of activity. Both species are active in Sacramento

County. The following table shows the cumulative 2023 trapping effort and detections of *Aedes aegypti* and *Aedes albopictus* in Sacramento and Yolo Counties.

City	County	Trap nights	Total males and females collected	
			<i>Aedes aegypti</i>	<i>Aedes albopictus</i>
Antelope	Sacramento	1		
Carmichael	Sacramento	10		1
Citrus Heights	Sacramento	1		
Elk Grove	Sacramento	34		
Fair Oaks	Sacramento	3		
Folsom	Sacramento	5		
Rio Linda	Sacramento	3		
Sacramento	Sacramento	113	30	8
Winters	Yolo	38		

The California Arbovirus Surveillance Bulletin #4 Week 22 Friday, June 2, 2023

2022 & 2023 YTD West Nile Virus Comparisons		
	2022	2023
Total No. Dead Bird Reports	1,783	1,828
No. Positive Counties	8	7
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	5 / 360	14 / 300
No. Positive Mosquito Pools / No. Tested	16 / 6,317	5 / 7,415
No. Seroconversions / No. Tested	0 / 699	0 / 585

YTD WNV Activity by Element and County, 2023					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			2	1	
Kern				1	
Los Angeles			2	2	
Riverside			1		
Sacramento			2		
Santa Clara			7		
Tulare				1	
Totals			14	5	

ECOLOGICAL MANAGEMENT DEPARTMENT

Monthly Report for the June 2023 Board Meeting

Ecological Management Projects

Ecological Management technicians continue to investigate and implement water and vegetation management projects submitted by District field technicians. Staff focus has been on mosquito breeding areas associated with irrigated pastures that can be reduced or eliminated by reconstructing drainage ditches or recontouring (grading) the low ends of irrigated pastures. Once complete, these projects will significantly reduce standing water and have the potential to reduce the amount of pesticides needed to control larval populations.



Wetland Program

Lower Yolo Bypass- Ecological Management technicians have completed multiple vegetation control projects on the Lower Yolo Bypass wetlands complexes. A considerable amount of wetland acreage continues to have water due to the substantial flooding of the Yolo Bypass. Vegetation management around the wetlands is crucial and allows access for District field technicians to access mosquito breeding sites.

Staff met with wetland managers and representatives from California Department of Fish and Wildlife (CDFW) to discuss management plans for those wetlands that are enrolled in the Presley Program. The Presley Program provides financial assistance and incentives to manage wetland habitat for waterfowl. Staff outlined Best Management Practices (BMP's) that will help mitigate mosquito production in the wetland complexes to each of the individual wetland managers.

State and Federal Wetland Preserves/Refuges- Staff completed a brush management project at Cosumnes Lake Preserve (CRP) and mowed approximately 15 miles of roads around the rice fields for technician access. Staff worked with Stone Lakes National Wildlife Refuge (SLNWR) to remove downed trees, thin riparian habitat and fix holes in the wetland banks that were caused by wetland flooding, beaver slides and erosion from North Stone Lake.



Water Management and Vegetation Management Project: Stone Lakes National Wildlife Refuge

Roosevelt Ranch- Staff met with the ranch manager of Roosevelt Ranch to discuss this season's irrigation and fall flooding schedule. Unlike recent drought years, Roosevelt Ranch will have full allocation of water this season for irrigation and for fall flooding. The ranch manager indicated that they will be utilizing a (North American Wetlands Conservation Act) NAWCA grant funded by U.S Standard and administered by U.S. Fish and Wildlife Services to redesign two ponds including upgrading their water control structures and the existing swale systems. This will benefit the District by allowing the ponds to flood up faster and more efficiently and draw down the water quickly after summer irrigations have ceased or during spring drawdown.

Cemetery Program

The Ecological Management Dept. currently monitors 29 cemeteries for mosquito production. Larval habitat is primarily in cemetery vases that contain water from irrigation and from patrons who add water to the vases when displaying flowers. Staff started inspections and blanket treatments of these vases using Watersorb crystals (polymer crystals) after the recent holiday weekend. Staff reports indicate about 15% of the vases sampled were shown to be breeding *Culex sp.* mosquitoes.



BIOLOGICAL CONTROL

Monthly Report for June 2023 Board Meeting

In the month of May, the fisheries department completed the transfer of mosquitofish from our grow-out ponds to our netted ponds. We started seeing our first fry of the season around May 15th, which is about a month behind when we would typically expect to see them. This is consistent with our outside sources and what other districts have reported. As mosquito inspection activities intensified, the fisheries department identified several new sites to seine mosquitofish from. This alleviates the need to prematurely extract fish from our grow-out ponds, ensuring their growth and development while also providing our field technicians with additional fish for their work. In May, a total of 63.75 pounds of mosquitofish were distributed for application, a number consistent with previous years. Furthermore, we collaborated with two separate labs from U.C. Davis, providing them with mosquitofish for their respective research projects. The fisheries department also welcomed an additional seasonal employee to the crew, resulting in a fully staffed department with two full-time technicians and two seasonals. Daily activities such as water quality testing, and tank cleaning were continued to maintain high-quality fish. Mowing, solar aerator maintenance, and general upkeep were also performed.

Log of Treatment Applied for May

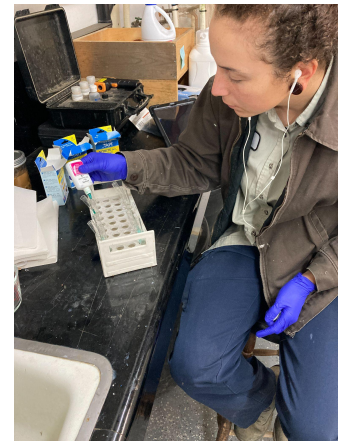
<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish (<i>Gambusia affinis</i>)	63.75 lbs	225.17 Acres	591
Guppies (<i>Poecilia reticulata</i>)	.13 lbs	.007 Acres	3

Log of Treatment Applied for the year 2023

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish	165.09 lbs	565.515 Acres	1485
Guppies	.255 lbs	.023 Acres	5

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
36,000.00	26,457.60	9542.40	73%



CONTROL OPERATIONS

Monthly Report for June 2023 Board Meeting

Culex and West Nile Virus (WNV) Control

As the weather continues to warm up the crews have been surveying spring and other agricultural sources and making treatments as appropriate. Weekly traps are still being utilized to monitor adult mosquito numbers in areas throughout the District. Monthly service requests are continuing to follow annual trends with incremental increases as the weather warms up. No West Nile virus detections were found within the District in the month of May.

As the season begins to ramp up, adulticide response and targeted catch basin treatments will also be incorporated into responses for WNV positive birds and mosquito locations. Rice field larval surveillance dipping started at the end beginning of June and will continue through the season.

Yellow Jacket Control

Due to the lower temperatures Yellow Jacket traps have been left out longer to try and collect more Yellow Jacket queens.

Aerial Applications

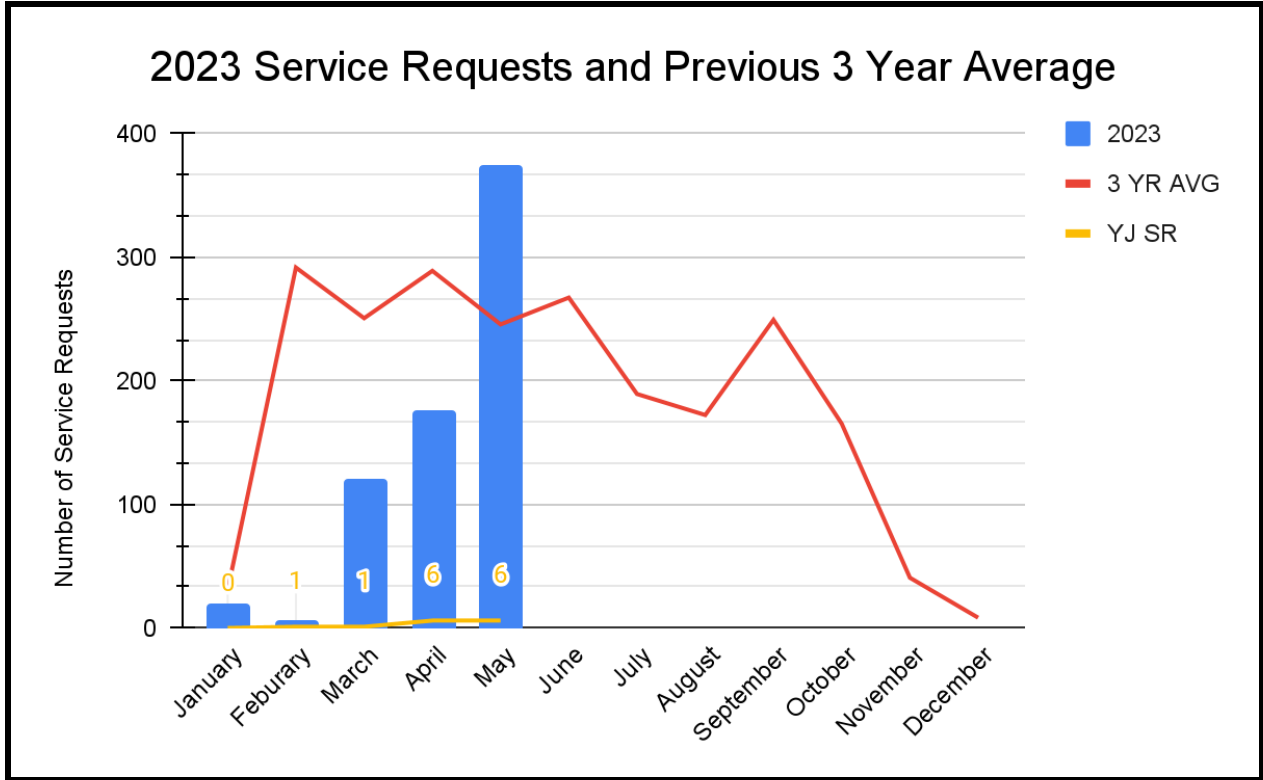
The District's first aerial adulticide applications were performed over rice growing areas of Natomas and District 108 in the beginning of June. Larvicide treatment applications using liquid applied larvicide has also just begun as the rice growing season is later than normal this year.

Invasive Aedes Control

In addition to door to door site inspections in previously known detection areas, the Aedes crew has been setting traps and has detected both *Aedes albopictus* and *Aedes aegypti* populations and have been making treatments as necessary. Year to date detection areas include the Sacramento Northgate and Rosemont areas as well as one area in Carmichael.

Pool Program

The District's green pool program continues to receive requests for site visits in response to the mailers sent out earlier in the year.



Larvicide Applications thru May 31st				
<u>Locations/Roles</u>	<u>2023</u>		<u>2022</u>	
	<u>Treatments</u>	<u>Acres</u>	<u>Treatments</u>	<u>Acres</u>
Sacramento County	1123	893	2438	1670
Sac County Aerial	2	528	2	2202
Sac County Drone Treatments	0	0	0	0
Yolo County	284	477	256	547
Yolo County Aerial	2	535	1	156
Yolo County Drone Treatments	0	0	1	157
CB Treated	12667	--	33607	--
CB Inspected -not treated	49171	--	20094	--

Aerial Adulticide Summary thru May 31st				
<u>County</u>	<u>2023</u>		<u>2022</u>	
	<u># Applications</u>	<u>Acres</u>	<u># Applications</u>	<u>Acres</u>
Sacramento Ag	0	0	0	0
Sacramento Urban	0	0	0	0
Yolo Ag	0	0	0	0
Yolo Urban	0	0	0	0

Totals

Adulticide Summary through May 31, 2023 **Compared to: 2022**

Acres used = 0 0 0

San Joaquin County MVCD has used 5,052 acres of their 190,000 acre contract commitment.
 Placer MVCD has used 0 acres of their 100,000 acre commitment.
 Turlock MAD has used 22,976 acres of their 180,000 acre commitment.
 Merced MAD had used 0 acres of their 75,000 acre commitment.

PUBLIC INFORMATION AND EDUCATION
Monthly Report for June Board Meeting

Media Coverage

The season has started and due to the initial detection of West Nile virus activity in birds and mosquitoes we sent out press releases and we obtained print media coverage in the Sacramento Bee and Elk Grove Citizen. In addition we received online print media support from local television stations Fox 40 and Univision.

Earlier this month we also had interest from Spectrum News, a statewide television outlet that produced stories about the record rain fall and what this means for the upcoming mosquito season and another piece on the increase in ticks. District staff met the reporter along the American River parkway where tick flagging has occurred over the past few months as part of the routine lab surveillance program.

Local television station ABC 10 also had a story specific to West Nile virus and what the upcoming season may bring. As part of their story they interviewed a West Nile virus survivor and also included video of our field staff conducting a home service inspection and treatment.

Advertising

The advertising campaign has officially launched 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 throughout the media market. In addition to these commercials we also have digital and outdoor billboard ads throughout different areas of the District covering both counties.

Events:

This year we added 2 new events for the month of June: Regional Safety Day in Elk Grove and Juneteenth in the city of Sacramento. In addition to these 2 events we also attended the Galt Saturday Market and the Filipino Fiesta, a great event that allows us to do outreach to the Filipino community. Later this month we will continue our partnership with Vitalant and Univision at their annual blood drive in Cal-Expo.

Presentations:

Community presentations were offered to the Yolo County Association of Realtors and the Winters Downtown Association. In addition we will be providing a mosquito lesson and presentation to kids attending a summer camp at Catalyst Kids.

Social Media

Our social media efforts continue and to date we have 13, 540 followers on Facebook. Content is focused on reporting dead birds, promotion of District services, signing up for spraying notifications, invasive *Aedes* and general mosquito prevention messages.

Repellent and Materials Distribution:

We have gotten repellent requests from a variety of cities including Folsom, Sacramento, Winters and the Sacramento County Board of Supervisors. Repellent was requested by the Yolo Basin Foundation for their upcoming bat tours along the Yolo Bypass and their Night Under the Stars event. We continue to provide repellent wipes to organizations that serve the homeless such as Mercy Peddlers, Harm Reduction Services and Sacramento Covered Community Health. This nonprofit group serves the unincorporated areas of Sacramento County including the American River Parkway. Lastly we also provided repellent wipes to a Boy Scouts troop in Galt.

National Mosquito Awareness Week:

The MVCAC Public Relations Committee will disseminate a press release announcing National Mosquito Awareness Week June 18-24. A video in English and Spanish was produced along with a social media calendar that will be disseminated to all Districts so a unified message can be shared on all social media platforms.

Sacramento-Yolo Mosquito and Vector Control District

June 20, 2023 Board Meeting

4. Board Review and Discussion of Draft District Budget for 2023-2024

Staff Report:

Please find enclosed the revised draft of the 2023-2024 District Budget.

A few highlights of the draft budget:

- 1) Revenue projections are estimated to be 4.13% higher in Sacramento County and 7.23% higher in Yolo County. Expenditures for 2022-2023 are trending lower than the expected values to help create a potential surplus for the current FY year.
- 2) The District's CalPERS UAL is currently about \$7.4M which is \$5M less than last year. The additional payment that the District made in 2022 coupled with the good returns that the fund received helped lower the overall UAL. Staff will continue a more aggressive payment schedule to help reduce the long term impacts and save the District money when feasible. The early returns for 2022 will probably show an increase to the amount in the next valuation. The District is proposing making an additional discretionary payment to CalPERS in the amount of \$1.5M in addition to the budgeted payment. The UAL for the PEPR plan is \$0 and are currently 107% funded for the current year.
- 3) The District is planning to investigate a number of capital expenditure projects this fiscal year including parking lot sealing, remodeling the front office, expanding our parking garage options, and netting more of the ponds to yield higher fish production. We will also be buying more equipment needed to conduct daily activities across various departments. Included in the capital expenditure line item is the plan to save funds for future projects including upgrading the fleet and potential building expansion/enhancements.
- 4) The Consumer Price Index (CPI) for the West Region (as found on the U.S. Department of Labor, Bureau of Labor Statistics web site) for March 2022 is ~5.1%. The current MOU has a cap of 5% for a salary adjustment and the increase in salaries is included in the draft budget for all employees except for those under contract with the District.

Recommendation:

For Board review and discussion. Staff anticipates bringing the 2023-2024 Budget to the Board again in July for adoption.



Sacramento-Yolo Mosquito and Vector Control District

Fiscal Year 2023-2024 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. Prior to the beginning of the fiscal year, and during the budget process, the Counties can provide only estimates of growth based on new building starts and general economic conditions. 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 4.55%.

Sacramento County

Year	Roll Values	Amount of Change	Percentage Change
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	-\$3,316,714,715	-2.66%
2011-2012	\$124,811,746,576	-\$3,957,804,112	-3.07%
2010-2011	\$128,769,550,688	-\$2,857,967,297	-2.17%
2009-2010	\$131,627,517,985	-\$9,002,844,284	-6.40%
2008-2009	\$140,630,362,269	\$ 2,923,341,534	2.12%

Yolo County

Year	Roll Values	Amount of Change	Percentage Change
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	-\$57,208,464	-0.29%
2011-2012	\$19,715,449,214	-\$158,163,578	-0.80%
2010-2011	\$19,873,612,792	-\$386,889,416	-1.91%
2009-2010	\$20,260,502,208	-\$66,376,927	-0.33%
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 showing growth and higher sales numbers. We conservatively anticipate fiscal year 2023-2024 revenues, including supplemental tax and non-tax revenues, to be approximately **\$19,292,432** as outlined below:

Sacramento County Property Tax Revenues	\$ 15,998,456
Minus property tax administration fees	\$ 155,000
Subtotal	\$ 15,843,456

Yolo County Property Tax Revenues	\$ 2,598,976
Minus property tax administration fees	\$ 25,000
Subtotal	\$ 2,573,976

Anticipated Total Property Tax Revenue	\$ 18,417,432
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Anticipated Interest Earnings	\$ 175,000
Other Tax Revenues	\$ 525,000
Other Revenue (rent, mosquito control payments, etc.)	\$ 175,000

Anticipated Total Revenues for FY 2023-2024:	\$ 19,292,432
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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 2023-2024 fiscal year with just over \$15,500,000.

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 \$1,603,000 would be allocated to the Capital Expenditure accounts as follows:*

<u>23-24 Proposed Capital Expenditures</u>	
Ecological Management	
Quad Mower	\$ 6,000
4/1 Bucket	\$ 5,000
7011-Eco Management Total	\$ 11,000
Control Ops	
Pioneer II Electric ULV Machines	\$ 16,000
Pioneer II Batteries	\$ 6,000
Electric Scooter	\$ 6,000
Cobra Quad Mist Blower	\$ 3,000
Utility Terrain Vehicle and Trailer	\$45,000
7011-Control Ops Total	\$ 76,000
Shop	
3D Printer	\$ 2,000
Tire/Wheel Lift	\$ 2,500
Coolant Flush Machine	\$ 4,000
Fuel System Machine	\$ 5,000
Transmission Flush Machine	\$ 6,000
Parts Washer	\$ 7,000
Vehicle Lift	\$ 10,000
Iron Worker	\$ 20,000
Smoke Tester	\$ 2,000
Tool Storage	\$ 2,000
Plasma Table	\$ 3,000
Plasma Cutter	\$ 2,000
Strut/Spring Tool	\$ 2,000
7011-Shop Total	\$ 67,500
Lab	
Fiber Light Microscope Lights	\$ 6,500
Stereo Microscope	\$ 2,000
7011-Lab Total	\$ 8,500
Fisheries	
Aerators	\$ 15,000
7011-Fisheries Total	\$ 15,000

Information Technology	
Laptops	\$ 6,000
Server/Network	\$ 5,000
Truck Mounts (ipads/laptops)	\$ 4,000
7011- Information Technology	\$ 15,000
7011-Capital Outlay Total	\$ 193,000
Equip/Vehicle Replacement	\$ 600,000
7016-Equip/Vehicle Replacement Total	\$ 600,000
Building Improvement	
Parking Lot Improvements	\$35,000
Expansion	\$ 450,000
Fishpond Fencing	\$ 100,000
Parking Garage	\$ 150,000
7035-Building Improvement Total	\$ 735,000
Research	
AMCARF	\$ 75,000
7030 -Research Total	\$ 75,000
Grand Total All Capital Outlay Accounts	\$ 1,603,000

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 6/30/23 is anticipated to be \$1,705,123 and will be updated with a final balance once the last quarter and year-end gain/loss reports have been made available.

Policy/Payment Type	Deductible	Premium	x2
Workers' Comp	\$ 50,000		\$ 100,000
Liability	\$ 50,000		\$ 100,000
APD	\$ 500		\$ 2,000
Property	\$ 500		\$ 1,000
23-24 Premium to be Invoiced		\$ 525,127	\$ 1,050,254
		Suggested Prudent Balance	\$ 1,253,254
		Estimated Balance as of 6/30/2022	\$ 1,705,123
		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 \$2,910,000 as illustrated in the chart below.

District Estimated Reserves & Fund Balance at 6/30/23	
Cash in Count Treasury	\$ 15,500,000
Disease Response	\$ 3,000,000
Capital Outlay	\$ 700,000
Building Improvement Fund	\$ 770,000
Vehicle Fund	\$ 1,120,000
Dry Financing	\$ 7,000,000
Unassigned Reserves	\$ 2,910,000

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 \$9,833,354. Per previous Board direction, this figure does not include 1 Board authorized position 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 2023 is ~5.1%.

The following categories are breakdowns of the Personnel Expenditures:

Retirement Fund-5110 & 5115

The Tier 1 (2.5% at 55 with 36 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 23/24 is 14.56%, which went up by 1.82% from 12.74% in FY 22/23. The unfunded liability for Tier 1 is budgeted for \$978,207. This amount is lower than previous years due to the District’s aggressive approach with additional discretionary payments and the state of the market that the fund experienced in 2021. The UAL is currently at a funding status of 86.2% up 10.5% from last fiscal year.

The Tier 2 (2% at 62 with 36 employees in this tier) employer contribution rate is comprised of the Normal Cost (FY 23/24 is 7.37%) and the UAL. The Tier 2 UAL is much lower as the District has been paying it in its entirety each year. The unfunded liability for Tier 2 is budgeted for \$0 as the District is 107% 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. The District may also want to make an additional discretionary payment to help pay down this liability sooner.

PERS Retirement Normal Costs

2022-2023 Budget	Proposed 2023-2024 Budget
\$890,304	\$966,450

PERS Retirement Unfunded Accrued Liability (UAL)

2022-2023 Budget	Proposed 2023-2024 Budget
\$2,727,800	\$2,478,207

Group Insurance-5130

District policy for group insurance funds up to \$1,465 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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$772,800	\$934,020

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 \$109,500 for the fiscal year. No payments to the Trust are proposed with this budget.

2022-2023 Budget	Proposed 2023-2024 Budget
\$185,000	\$100,535

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.

2022-2023 Budget	Proposed 2023-2024 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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$228,421	\$236,628

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$243,424	\$288,499

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$18,000	\$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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$99,000	\$110,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$550,500	\$611,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$69,000	\$71,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$148,000	\$160,000

Office Expenses-5390

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$22,500	\$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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$306,000	\$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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$13,750	\$14,500

Rents and Leases-5450

This category funds special shop tools, copiers and large format printer, field equipment, and other items that are rented/leased.

2022-2023 Budget	Proposed 2023-2024 Budget
\$11,550	\$12,000

Safety Program-5470

This category funds the District Safety Program.

2022-2023 Budget	Proposed 2023-2024 Budget
\$5,000	\$5,000

Utilities-5480

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$120,000	\$140,000

Aircraft Services-6120

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$1,074,000	\$1,129,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$14,700	\$20,500

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$1,200,000	\$1,150,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$1,133,000	\$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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$700,000	\$750,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$36,000	\$41,000

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.

2022-2023 Budget	Proposed 2023-2024 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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$80,000	\$120,000

Control Operations-6350

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$66,000	\$70,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
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\$121,000	\$145,000
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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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$216,300	\$230,000

Gas and Petroleum Products-6450

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$245,000	\$250,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$233,000	\$193,000

Equipment/Vehicle Replacement-7016

This account is used as a reserve fund to pay for the replacement of the vehicle fleet by saving funds on an annual basis.

2022-2023 Budget	Proposed 2023-2024 Budget
\$560,000	\$600,000

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.

2022-2023 Budget	Proposed 2023-2024 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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$0	\$0

Research Fund-7030

2022-2023 Budget	Proposed 2023-2024 Budget
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\$50,000	\$75,000
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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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$385,000	\$735,000

2023-2024 Budget Summary

Personnel Expenditures-Salaries and Benefits: \$ 10,240,688

Operational Expenditures: \$ 6,917,499

Capital Expenditures: \$ 3,103,000

Total Expenditures: \$ 20,261,187

Total Anticipated Revenues: \$ 19,292,432

Projected Revenues over Expenses: \$ (968,755)

Account #	Account Description	FY 23/24 Budget	FY 22/23 Budget
4000	REVENUE	\$19,292,432	\$18,412,667
5000	SALARIES/BENEFITS/WC	\$10,240,688	\$9,927,938
5010	Administrative Department	\$1,171,409	\$912,525
5015	Ecological Management Department	\$330,032	\$267,817
5020	Shop	\$281,333	\$267,058
5025	Control Ops Supervisors	\$586,845	\$549,564
5030	Technicians	\$2,903,985	\$2,525,498
5031	Seasonal Helpers	\$420,000	\$400,000
5040	Biological Control: Lab Dept	\$1,067,182	\$914,870
5041	Biological Control: Fisheries Dept	\$217,262	\$239,481
5045	Trustee Monthly Meeting	\$16,800	\$16,800
5110	P.E.R.S. Retirement Normal Costs	\$966,450	\$890,304
5115	P.E.R.S. Retirement UAL	\$978,207	\$1,727,800
5130	Group Insurance	\$934,020	\$772,800
5131	Retiree Insurance Costs	\$100,535	\$185,000
5140	Unemployment Insurance	\$30,000	\$30,000
5150	WORKERS COMPENSATION	\$236,628	\$228,421
5200	OPERATIONAL	\$6,917,499	\$6,501,724
5210	LIABILITY INSURANCE	\$288,499	\$243,424
5250	AUDITING/FISCAL	\$25,000	\$18,000
5270	COMMUNICATIONS	\$110,000	\$99,000
5271	Telephone	\$42,000	\$39,000
5272	Internet	\$0	\$0
6251	Mobile Devices	\$68,000	\$60,000
6252	Weather Stations	\$0	\$0
5310	PUBLIC INFORMATION	\$611,000	\$550,500
5311	School Program	\$101,000	\$55,000
5312	Publications	\$27,500	\$27,500
5313	Marketing	\$20,000	\$20,000
5314	Postage		\$0
5315	Advertising	\$358,000	\$350,000
5316	Events/Fees	\$102,000	\$95,500
5319	Misc Admin	\$2,500	\$2,500
5340	STRUCTURE & GROUNDS	\$71,000	\$69,000
5341	Landscaping & Grounds	\$11,000	\$11,000
5342	Building Services & Repairs	\$20,000	\$20,000
5343	Janitorial	\$40,000	\$38,000
5370	MEMBER/TRAINING	\$160,000	\$148,000
5371	Travel	\$55,000	\$55,000
5372	Conference/Training/Mtg	\$45,000	\$40,000
5373	CDPH-Certification Expenses	\$15,000	\$13,000
5374	Subscrip/Memshp/Dues	\$45,000	\$40,000
5390	DISTRICT OFFICE EXPENSES	\$25,000	\$22,500
5430	PROFESSIONAL SERVICES	\$341,000	\$306,000
5376	Permits/Fees	\$9,000	\$9,000
5431	Legal	\$110,000	\$80,000
5432	Medical	\$3,000	\$3,000
5433	Consulting	\$120,000	\$70,000
5434	Security	\$7,000	\$7,000
5435	Outsource Services	\$25,000	\$70,000
5436	Maintenance & Repairs	\$12,000	\$7,000

5437	Uniforms	\$35,000	\$35,000
5438	Aerial Survey	\$20,000	\$25,000
5440	MATERIALS & SUPPLIES	\$14,500	\$13,750
5441	Water/Coffee	\$8,000	\$8,000
5442	Janitorial Supplies	\$5,000	\$4,000
5443	Locks/Keys	\$500	\$500
5444	Kitchen	\$1,000	\$750
5445	Miscellaneous	\$0	\$500
5450	RENTS & LEASES	\$12,000	\$11,550
5470	SAFETY PROGRAM	\$5,000	\$5,000
5480	UTILITIES	\$140,000	\$120,000
6120	AIRCRAFT SERVICES	\$1,129,000	\$1,074,000
6121	Larviciding	\$730,000	\$680,000
6122	Adulticiding	\$390,000	\$385,000
6123	Trials	\$9,000	\$9,000
6140	ECOLOGICAL MANAGEMENT	\$20,500	\$14,700
6142	BMP Programs	\$2,500	\$1,500
6143	Project Support	\$6,000	\$4,000
6144	Small Equip Maintenance	\$5,000	\$2,200
6145	UAS Program	\$7,000	\$7,000
6160	MICROBIAL	\$1,150,000	\$1,200,000
6170	BIORATIONALS	\$1,200,000	\$1,133,000
6180	INSECTICIDES	\$750,000	\$700,000
6220	FISHERIES	\$41,000	\$36,000
6221	Medications & Feeds	\$20,000	\$15,000
6222	Lab Supplies	\$2,000	\$2,000
6223	Supplies/Dept. Equipment	\$19,000	\$19,000
6224	Fisheries Miscellaneous	\$0	\$0
6280	GEOGRAPHIC INFO SYSTEMS	\$9,000	\$9,000
6281	Software	\$7,600	\$7,600
6282	Accessories	\$1,400	\$1,400
6320	INFORMATION TECHNOLOGY	\$120,000	\$80,000
6321	Hardware	\$40,000	\$35,000
6322	Software	\$80,000	\$45,000
6323	Supplies		\$0
6324	Services	\$0	\$0
6350	CONTROL OPERATIONS	\$70,000	\$66,000
6351	Supplies	\$10,000	\$9,000
6352	Control Items & Materials	\$15,000	\$15,000
6353	PPE/Safety	\$30,000	\$28,000
6355	Small Equipment	\$15,000	\$14,000
6370	SHOP	\$145,000	\$121,000
6371	Parts Vehicles	\$108,000	\$92,000
6372	Outsource / Heavy Equipment	\$26,000	\$18,000
6373	Equipment Parts & Repair	\$11,000	\$11,000
6420	LAB SERVICES	\$230,000	\$216,300
6421	Insectary	\$6,500	\$6,200
6422	Gen'l Lab Supplies	\$5,000	
6423	Services	\$10,000	\$10,000
6424	Surveillance	\$98,000	\$98,000
6425	Sentinel Bird	\$3,500	\$3,300
6426	Wild Bird	\$0	\$0
6427	Pesticide Testing	\$15,000	\$15,000
6428	Services - Small Equipment	\$4,500	\$4,400
6429	MB-Lyme Disease	\$0	\$5,100

6431	MB-Malaria	\$2,500	\$2,200
6432	MB-Chicken	\$2,500	\$1,800
6433	MB-PCR	\$76,000	\$64,000
6434	Microbiology - General	\$6,500	\$6,300
6450	GAS & PETROLEUM	\$250,000	\$245,000
7000	CAPITAL ACCOUNTS	\$3,103,000	\$2,228,000
7011/1510	Capital Outlay/Construction In Progress	\$193,000	\$233,000
7016	Equipment/Vehicle Replacement	\$600,000	\$560,000
7021	Contingency		\$0
7030	Research Fund	\$75,000	\$50,000
7035	Building Improvement	\$735,000	\$385,000
	CalPERS Additional Discretionary Payment	\$1,500,000	\$1,000,000
	TOTALS		
	Salaries/Benefits	\$10,240,688	\$9,927,938
	Operational	\$6,917,499	\$6,501,724
	Capital Accounts	\$3,103,000	\$2,228,000
	Total Budget	\$20,261,187	\$18,657,662

PROJECTED REVENUES \$19,292,432 \$18,412,667

TOTAL BUDGET \$20,261,187 \$18,657,662

PROJECTED REVENUES
OVER PROJECTED EXPENSES (\$968,755) (\$244,995)

Sacramento-Yolo Mosquito and Vector Control District

June 20, 2023 Board Meeting

5. Board Review and Consideration Regarding Revised Language in Personnel Manual and MOU with OE3 to Address CalPERS Concerns of Longevity Incentive Pay

Staff Report:

The District offers Incentive Pay in the form of longevity increases. Recently, CalPERS reached out to the District to discuss the policy for longevity and asked for documentation, which the District provided. CalPERS reviewed the documentation via its “MOU Ad Hoc Review.”

Following Ad Hoc review, CalPERS informed the District that the language in our Personnel Manual and the Memorandum of Understanding with Operating Engineers Local Union No. 3 needed clarification/revision in order for incentive pay to be considered for reporting (the language must meet the definition of Compensation Earnable pursuant to GC 20636 (Classic) or Pensionable Compensation pursuant to GC 7522.34 (PEPRA)). Additionally, in order for Incentive Pay to qualify as Special Compensation, it must meet the definition of one of the items of Special Compensation listed pursuant to CCR 571 (Classic) and CCR 571.1 (PEPRA), and it must meet the requirements of CCR 571 (Classic) and CCR 571.1 (PEPRA).

The District’s current Incentive Pay provision reads as follows in section 4.10 of the Personnel Manual and section 6.3 of the MOU:

Incentive Pay. The District maintains an incentive pay program. After a regular, full-time employee has been employed continuously with the District as a regular, full-time employee for ten (10) years, then the employee shall receive a five percent (5%) increase in his/her current base salary. Thereafter, the employee shall receive an additional five percent (5%) increase in his/her current base salary for every additional five (5) year period of continuous employment with the District.

CalPERS determined that the District’s current Incentive Pay provision met the definition for Longevity Pay reported as Special Compensation pursuant to CCR 571 (Classic) and CCR 571.1 (PEPRA); however, the provision did not identify the compounding and/or cumulative accrual used to calculate the Incentive Pay amount. CalPERS recommended that the District update its provision to include clear conditions of payment to include compounding and/or cumulative accruals to avoid further scrutiny, a potential Audit finding or a denial of compensation at retirement, and to report the new longevity amount for the respective employee. CalPERS provided sample language that met the afore-mentioned criteria, and staff provided a revision of its

provision to CalPERS for approval prior to presenting to the Board. The revision has no negative impact on the employee and CalPERS approved the District's revision.

The District wants to ensure that the practice regarding longevity increases is maintained and doesn't change. We have communicated that with CalPERS and OE3 and will work on appropriate language that satisfies everyone.

Recommendation:

Authorize the Manager to revise the language to satisfy CalPERS and make the necessary changes to the District's Personnel Manual and the MOU with OE3.