

SACRAMENTO-YOLO
MOSQUITO & VECTOR
CONTROL DISTRICT

JULY 21, 2020

BOARD OF TRUSTEES
REGULAR MEETING

BOARD PACKET

10:00 A.M.

8631 Bond Road
Elk Grove, CA 95624

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

8631 Bond Road
Elk Grove, CA 95624

AGENDA

July 21, 2020

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 June 16, 2020 Board of Trustees Meeting**
 - b. **Expenditures for June 2020**
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. **Closed Session- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6-Labor Negotiations)**
Agency Designated Representatives : [Gary Goodman, Janna McLeod, Samer Elkashef, Chris Voight] Employee
Organization: [Operating Engineers Local Union #3]
4. **Board Review and Approval of District Budget for 2020-2021**

5. **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**
6. **Board Authorization to Pay CalPers Unfunded Liability in the Amount of \$1,024,612**
7. **Board Authorization to Pay 2020/2021 Annual Premium Invoice of \$359,159 for Coverage through the Vector Control Joint Powers Agency**
8. **Board/Staff Reports and Requests**
9. **Adjournment**

Sacramento-Yolo Mosquito and Vector Control District

July 21, 2020 Board Meeting

1. Items for Approval by General Consent:

- a. Minutes of the June 16, 2020 Board of Trustees Meeting;
- b. Expenditures for June 2020.

Recommendation:

Approve the Items by General Consent

**MINUTES OF THE JUNE 16, 2020
MEETING OF THE BOARD OF TRUSTEES OF THE
SACRAMENTO-YOLO MOSQUITO & VECTOR CONTROL DISTRICT**

PLACE: 8631 Bond Road, Elk Grove, CA 95624

TIME: 10:00 a.m.

TRUSTEES PRESENT:

Jayna Karpinski-Costa	President	Citrus Heights
Craig Burnett	Vice President	Folsom
Gar House	Secretary	Winters
Raul DeAnda		West Sacramento
Sean Denny		Woodland
Bruce Eldridge		Yolo County
Lyndon Hawkins		Elk Grove
Raymond LaTorre		Sacramento
Susan Maggy		Sacramento County
Robert McGarvey		Rancho Cordova
Marcia Mooney		Galt
Vacant		Isleton

TRUSTEES ABSENT:

Christopher Barker	Davis
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LEGAL COUNSEL:

Jennifer Buckman

STAFF PRESENT:

Gary Goodman	Manager
Samer Elkashef	Assistant Manager
Janna McLeod	Administrative Manager
Marcia Reed	Laboratory Director
Marty Scholl	Ecological Management Supervisor
Tony Hedley	Fisheries Supervisor
Steve Ramos	Program Coordinator
Luz Robles	Public Information Officer

CALL TO ORDER

The meeting was called to order at 10:01 a.m. by President Jayna Karpinski-Costa.

Roll Call

This meeting was held and attended by Video Teleconference. Trustee Barker was absent and, Isleton is vacant; however, a quorum was present.

Pledge of Allegiance

All phones and electronic devices are requested to be silenced during the meeting.

1. ITEMS FOR APPROVAL BY GENERAL CONSENT

On a motion by Trustee DeAnda seconded by Trustee Denny, the Board voted to approve General Consent Items a. and b. The vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Absent: 1.

- a. Minutes of the May 19, 2020 Board of Trustees Meeting;
- b. Expenditures for May 2020.

2. OPPORTUNITY FOR PUBLIC COMMENT

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

Mr. Felix Huerta Jr., Representative of OE3 requested to speak to the Board during Public Comment. Mr. Huerta commented on Union concerns including bargaining re-openers, wages and the Consumer Price Index (CPI), and the Cafeteria Plan modifications in Item 4.

3. REPORTS TO THE BOARD

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 one positive dead bird so far this year and one positive mosquito collection. The State of California has detected less West Nile virus (WNV) activity in the mosquito population to date in comparison to last year. The majority of WNV positive mosquito collections in the State are centered in Riverside and Stanislaus Counties. AMCA is still active in pursuing federal funding for both the SMASH- (Strengthening Mosquito Abatement for Safety and Health) Act and the TICK-(Ticks: Identify, Control and Knockout) Act. The COVID-19 situation has put a spotlight on the need for public health and we are active in communicating this need to our legislators. The District has been contacted by Sacramento County Public Health Staff about our potential availability to reallocate some of our staff to become contact tracers. The County is currently compiling lists of public agencies that may be able to help during this public health emergency.

b. Reports from District Departments: Written reports were provided in the Board packet from each department. Department supervisors gave an oral presentation and were available to answer any questions.

Lab/Surveillance: Laboratory Director, Marcia Reed discussed department activities including mosquito abundance, tick surveillance, dead bird programs and collaborations. Tick and Lyme disease surveillance and testing has concluded with the last collections being tested this month. We have tested 1681 tick samples in pools consisting of 5 ticks each. This season our hot spots were Willow Creek and Snipes Pershing with new positives found at Putah Creek and East Lake Natomas. The District had its first positive dead bird and first positive mosquito sample pool. Surveillance traps have been set in the areas where these first positives were found. To date, no *Aedes aegypti* have been found in our areas of concern in Citrus Heights with traps checked weekly. Collaborative projects for this season include Catch Basin reside with Dr. Jay Gan and Larval Bench Top Assays of larvicides used in Woodland to check for resistance.

Ecological Management: Ecological Management Supervisor, Marty Scholl discussed department activities including Agriculture, Storm Water and Drainages, Swimming Pool, Wetland Program and Unmanned Aerial Systems (UAS) Program. Staff has begun reviewing ditch cleaning projects

turned in by Technicians and finished access and sump mowing projects for seasonal access and vegetation BMPs. Staff have been developing a plan to assist the City of Folsom with brush work to clear pathways to standing water in the City owned detention basins. Wetland irrigations have started and smaller acreages will be treated with UAS and larger acreages will be treated by conventional aircraft. UAS aerial images taken show the water in these areas including a date and time stamp which helps to document early flooding has occurred. Fourteen unmaintained swimming pools are ready to go for Inspection Warrant when the courts reopen.

Biological Control: Fisheries Supervisor, Tony Hedley discussed department activities including fish plants, regular maintenance and special projects. The department has stocked approximately 261 pounds of fish to treat over 2500 acres. Studies of dissolved oxygen levels and the use of mosquitofish pheromones to repel mosquito egg laying are ongoing. A picture of the initial small scale study of the pheromones was included in the written report. The fish planting for rice fields is expected to start at the beginning of July.

Larval and Adult Control: Program Coordinator, Steve Ramos discussed department activities including service requests, rice program and acreage, and equipment preparations. Service requests are starting to level out with the first round of swimming pool inspections completed and the second round of inspections on pools that do not support fish is almost finished as well. Rice is early this year with about 45,297 acres of rice, up from the written report, approximately 6800 of that being organic. A line item has been added to the larviciding application report to reflect any treatments that are done by UAS. The District adulticide plane has been calibrated and is ready to respond where needed. Efficacy trials of Sumilarv 0.5G in swimming pools and Altosid XRG Ultra in irrigated pastures are ongoing.

Public Outreach: Public Information Officer, Luz Robles reported on department activities including, Advertising, Social Media, Repellent and Materials Distribution and Government Affairs. A Press Release was issued for the first positive dead bird and first positive mosquito sample pools upon detection. The advertising campaign is running on billboards, buses, and light rail trains. Radio spots and a District sponsored weather segment on KCRA are ongoing as well. Staff has been working on a new District Logo that will be used as a part of the District branding initiative and a sample was included in the written report. The District has gone live with two new web pages, one with West Nile virus survivor stories and one with information on Sterile Insect Techniques. Due to COVID and social distancing a written report is being distributed to city councils and government officials instead of in person presentations.

4. BOARD REVIEW AND CONSIDERATION OF MODIFICATIONS TO DISTRICT CAFETERIA PLAN DOCUMENT

In response to the impacts of the pandemic the IRS released two notices affecting Cafeteria Plan and Flexible Spending Accounts (FSA) that provides potential relief to employees who have FSA Medical or Dependent Care accounts. Manager Gary Goodman introduced the item and was available for questions. Staff sought approval to amend the plan document to allow participants to minimize account balance forfeitures resulting from child care closures and other impacts of COVID-19. Manager Goodman indicated the changes affected all employees, represented and non-represented alike, and the District would work with the Union on any concerns they may have with implementation. On a motion by Trustee Burnett seconded by Trustee Maggy, the Board voted to approve the Amendment to the District Cafeteria Plan Document. The vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Absent: 1.

5. BOARD REVIEW AND DISCUSSION OF DRAFT DISTRICT BUDGET FOR 2020-2021.

Manager Gary Goodman presented the item. This is the second reading of the draft budget for FY 2020-2021. Manager Goodman reviewed the latest property tax receipts and anticipated revenue totals for the upcoming fiscal year. Updated expenditures for salaries and benefits as well as operational expenses were reviewed. In light of the uncertainty of the impacts to revenues due to the pandemic staff proposed leaving two Field Technician vacancies unfilled in this draft of the budget for a total of five authorized, but unfilled positions. Any proposal to modify salary and/or benefits for the represented employees within the MOAT unit is a part of the collective bargaining process that is ongoing and will be presented for consideration along with any proposals related to the Memorandum of Understanding (MOU) between the District and OE3 when that is brought to the Board. No Board action was taken on this item as it is the second reading of the draft budget which will be presented for final review and adoption at the July Board meeting.

6. CLOSED SESSION- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6-Labor Negotiations) Agency Designated Representatives: [Gary Goodman, Janna McLeod, Samer Elkashef, Chris Voight] Employee Organization: [Operating Engineers Local Union #3]

At 11:45 am President Karpinski-Costa adjourned the Open Meeting. Prior to going into Closed Session, Mr. Felix Huerta Jr., OE3 Representative, requested to comment on the Closed Item and submitted a financial forecast report that he referenced by Beacon Economics. The Board went into the Closed Session for Item 6 at 11:50 am. The Board returned to Open Session at 12:15 pm. The Board reported that it provided direction to the District designated representatives to continue with the process of negotiations.

7. BOARD/STAFF GENERAL DISCUSSION

There were none.

8. ADJOURNMENT

The meeting adjourned at 12:16 pm

* * * * *

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the June 16, 2020 meeting.

Gary Goodman, Manager

Approved as written and/or corrected by the Board of Trustees at the July 21, 2020 meeting.

Gar House, Board Secretary

June 2020 Check Register
Activity From: 6/1/2020 to 6/30/2020
Sacramento Yolo MVCD (SYC)

Check Number	Check Date	Vendor Number	Name	Check
Bank Code: U US Bank				
053875	6/3/2020	0000504	US Bank	24,551.11
053876	6/8/2020	0000006	Adapco Inc	113,955.08
053877	6/8/2020	0000018	ANDKO Building Maintenance Inc.	4,804.94
053878	6/8/2020	0000117	City of Woodland	512.46
053879	6/8/2020	0000123	Cole-Parmer	77.51
053880	6/8/2020	0000126	Complete Welders Supply Inc	1,560.94
053881	6/8/2020	0000128	Consolidated Communications	769.51
053882	6/8/2020	0000167	Dignity Health Med Fdtn-Woodland	63.00
053883	6/8/2020	0000168	Dignity Health Med Fdtn-Sacramento	1,420.00
053884	6/8/2020	0000186	Elk Grove Water District	633.39
053885	6/8/2020	0000199	Farm Air Flying Service	14,974.37
053886	6/8/2020	0000200	Fastenal Company	568.21
053887	6/8/2020	0000240	Hunt & Sons Inc	5,396.36
053888	6/8/2020	0000277	Kimball Midwest	583.39
053889	6/8/2020	0000293	Life Technologies Corporation	4,940.03
053890	6/8/2020	0000299	Luken Benjamin Associates	11,485.00
053891	6/8/2020	0000306	Maita Chevrolet	308.02
053892	6/8/2020	0000356	O'Reilly Automotive Stores Inc	1,325.26
053893	6/8/2020	0000367	PG & E	384.74
053894	6/8/2020	0000370	Pitney Bowes	301.66
053895	6/8/2020	0000388	Republic Services #922	88.82
053896	6/8/2020	0000451	SMUD	4,152.79
053897	6/8/2020	0000454	Spark Creative Design	1,115.22
053898	6/8/2020	0000462	Sterling May Co	300.20
053899	6/8/2020	0000475	Target Specialty Products	5,045.90
053900	6/8/2020	0000494	Totlcom Inc	920.33
053901	6/8/2020	0000497	Magnegas Welding Supply - West	84.75
053902	6/8/2020	0000498	ULINE	679.82
053903	6/8/2020	0000502	Univar Inc	18,628.90
053904	6/8/2020	0000503	Univision Communications Inc	10,000.00
053905	6/8/2020	0000505	US Bank Equipment Finance	102.36
053906	6/8/2020	0000515	Valley Tire Center	20.00
053907	6/8/2020	0000522	Verizon Wireless	3,018.91
053908	6/8/2020	0000526	VWR International Inc	474.97
053909	6/8/2020	0000937	Staples Business Advantage	55.89
053910	6/8/2020	0001012	Riebes Auto Parts	688.40
053911	6/8/2020	0001019	Cintas Corporation	2,565.16
053912	6/8/2020	0001024	Bonneville International	2,240.00
053913	6/8/2020	0001233	Grow West	104.82
053914	6/8/2020	0001234	T-Mobile	836.16
053915	6/8/2020	0001270	Rubicon Global, LLC	200.26
053916	6/8/2020	0002343	Leading Edge Aerial Technologies Inc.	36,000.00
053917	6/17/2020	0000267	Kaiser Foundation Health Plan	24,606.49
053918	6/17/2020	0000267	Kaiser Foundation Health Plan	3,844.75
053919	6/17/2020	0000267	Kaiser Foundation Health Plan	19,298.86

053920	6/17/2020	0000357	P & A Administrative Services Inc	130.50
053921	6/17/2020	0000373	Preferred Benefit Ins Administrators	8,444.60
053922	6/17/2020	0000531	Western Health Advantage	5,184.47
053923	6/17/2020	0000531	Western Health Advantage	3,053.82
053924	6/17/2020	0000957	Sutter Health Plus	8,459.87
053925	6/25/2020	0000006	Adapco Inc	38,080.41
053926	6/25/2020	0000015	All Star Glass	263.92
053927	6/25/2020	0000034	AutoZone Inc	1,402.20
053928	6/25/2020	0000038	Bartkiewicz Kronick & Shanahan	3,855.00
053929	6/25/2020	0000119	Clarke Mosquito Control Products Inc	15,082.30
053930	6/25/2020	0000126	Complete Welders Supply Inc	6,361.70
053931	6/25/2020	0000140	Crossings TV	3,759.06
053932	6/25/2020	0000168	Dignity Health Med Fdtn-Sacramento	225.00
053933	6/25/2020	0000185	Elk Grove Power Equipment	106.67
053934	6/25/2020	0000193	Entravision Communications Corporation	5,975.00
053935	6/25/2020	0000199	Farm Air Flying Service	20,248.75
053936	6/25/2020	0000200	Fastenal Company	106.56
053937	6/25/2020	0000240	Hunt & Sons Inc	12,083.24
053938	6/25/2020	0000242	iHeart Media	5,100.00
053939	6/25/2020	0000277	Kimball Midwest	1,080.53
053940	6/25/2020	0000280	KXTV News 10	10,747.50
053941	6/25/2020	0000285	Lazer Broadcasting Corporation	4,400.00
053942	6/25/2020	0000299	Luken Benjamin Associates	8,055.00
053943	6/25/2020	0000306	Maita Chevrolet	1,676.17
053944	6/25/2020	0000367	PG & E	854.56
053945	6/25/2020	0000377	Radial Tire of Elk Grove	233.30
053946	6/25/2020	0000413	Sacramento County Utilities	555.92
053947	6/25/2020	0000454	Spark Creative Design	4,493.01
053948	6/25/2020	0000459	Star Milling Co	2,897.83
053949	6/25/2020	0000461	Stericycle Inc	81.31
053950	6/25/2020	0000462	Sterling May Co	69.10
053951	6/25/2020	0000475	Target Specialty Products	102,826.58
053952	6/25/2020	0000494	Totlcom Inc	1,826.00
053953	6/25/2020	0000501	United Textile Inc	1,077.88
053954	6/25/2020	0000515	Valley Tire Center	65.88
053955	6/25/2020	0000519	Vector Laboratories Inc	2,138.28
053956	6/25/2020	0000526	VWR International Inc	254.29
053957	6/25/2020	0000529	Waste Management	164.96
053958	6/25/2020	0000534	Wiley Price & Radulovich	725.00
053959	6/25/2020	0000564	Lamar Advertising	6,760.00
053960	6/25/2020	0000579	Salem Media Group	1,500.00
053961	6/25/2020	0000942	KQCA My58	9,008.00
053962	6/25/2020	0000944	Memphis Net & Twine	VOID
053963	6/25/2020	0000958	GreatAmerica Financial Services	372.82
053964	6/25/2020	0001011	Buckmaster Office Solutions	243.16
053965	6/25/2020	0001270	Rubicon Global, LLC	200.26
053966	6/25/2020	0001274	Barber & Gonzales LLC	3,900.00
053967	6/25/2020	0001452	Results Radio - KCCL	2,040.00
053968	6/25/2020	0001471	Walker's Office Supply	376.76
053969	6/25/2020	0001479	Elk Grove Screen Printing	290.93
053970	6/30/2020	0000043	Benefit Coordinators Corporation	3,285.95
053971	6/30/2020	0000084	CA State Disbursement Unit	350.00
053972	6/30/2020	0000339	Nationwide Retirement Solutions	1,550.00
053973	6/30/2020	0000339	Nationwide Retirement Solutions	4,100.00
053974	6/30/2020	0001035	Operating Engineers Local Union No. 3	1,235.00

W00142	6/30/2020	0000511	US Treasury Internal Revenue Service	67,882.47
W00143	6/30/2020	0000086	CalPERS 457 Plan	21,582.32
W00144	6/30/2020	0000087	CalPERS Financial Reporting & Accounting	78,467.10
W00145	6/30/2020	0000176	EDD	16,327.98
Bank U Total:				<u>825,307.66</u>
Report Total:				<u><u>825,307.66</u></u>

I hereby authorize the use of my signature plate on
the above-listed warrants, 053875-053974, and EFTs W00142-W00145

Signature

Date

Jayna Karpinski-Costa, President of the Board

S.Y.M.V.C.D
FY 2019-2020 Budget Update
June 2020

	Account #	Account Description	12 Months Ended June 30, 2020	FY 19-20 Annual Budget	Unused
T	4000	REVENUE	\$ -	\$ -	\$ -
T	5000	SALARIES/BENEFITS/WC	\$ 8,209,422.39	\$ 8,579,233.79	\$ 369,811.40
T	5200	OPERATIONAL	\$ 5,579,572.56	\$ 6,190,059.00	\$ 610,486.44
T	5210	LIABILITY INSURANCE	\$ 145,617.00	\$ 150,854.00	\$ 5,237.00
T	5250	AUDITING/FISCAL	\$ 16,000.00	\$ 17,750.00	\$ 1,750.00
T	5270	COMMUNICATIONS	\$ 66,300.44	\$ 79,500.00	\$ 13,199.56
T	5310	PUBLIC INFORMATION	\$ 398,831.04	\$ 465,500.00	\$ 66,668.96
T	5340	STRUCTURE & GROUNDS	\$ 109,959.22	\$ 65,000.00	\$ (44,959.22)
T	5370	MEMBER/TRAINING	\$ 75,089.31	\$ 113,000.00	\$ 37,910.69
T	5390	DISTRICT OFFICE EXPENSES	\$ 14,909.81	\$ 15,000.00	\$ 90.19
T	5430	PROFESSIONAL SERVICES	\$ 173,485.23	\$ 198,250.00	\$ 24,764.77
T	5440	MATERIALS & SUPPLIES	\$ 10,576.63	\$ 10,000.00	\$ (576.63)
T	5450	RENTS & LEASES	\$ 11,034.61	\$ 11,550.00	\$ 515.39
T	5470	SAFETY PROGRAM	\$ 1,980.00	\$ 5,000.00	\$ 3,020.00
T	5480	UTILITIES	\$ 96,625.20	\$ 110,000.00	\$ 13,374.80
T	6120	AIRCRAFT SERVICES	\$ 769,882.97	\$ 945,500.00	\$ 175,617.03
T	6140	ECOLOGICAL MANAGEMENT	\$ 9,585.51	\$ 15,200.00	\$ 5,614.49
T	6160	MICROBIAL	\$ 1,317,851.75	\$ 1,500,000.00	\$ 182,148.25
T	6170	BIORATIONALS	\$ 906,616.92	\$ 950,000.00	\$ 43,383.08
T	6180	INSECTICIDES	\$ 920,074.40	\$ 1,000,000.00	\$ 79,925.60
T	6220	FISHERIES	\$ 24,531.64	\$ 27,000.00	\$ 2,468.36
T	6280	GEOGRAPHIC INFO SYSTEMS	\$ 4,253.49	\$ 7,125.00	\$ 2,871.51
T	6320	INFORMATION TECHNOLOGY	\$ 56,809.62	\$ 48,200.00	\$ (8,609.62)
T	6350	CONTROL OPERATIONS	\$ 31,237.00	\$ 32,430.00	\$ 1,193.00
T	6370	SHOP	\$ 94,243.96	\$ 88,000.00	\$ (6,243.96)
T	6420	LAB SERVICES	\$ 192,982.52	\$ 163,200.00	\$ (29,782.52)
T	6450	GAS & PETROLEUM	\$ 131,094.29	\$ 172,000.00	\$ 40,905.71
T	7000	CAPITAL ACCOUNTS	\$ 206,061.83	\$ 573,049.00	\$ 366,987.17
T	7011/1510	Capital Outlay/Construction In Progress	\$ 176,750.49	\$ 136,049.00	\$ (40,701.49)
T	7030	Research Fund	\$ -	\$ 50,000.00	\$ 50,000.00
T	7035	Building Improvement	\$ 29,311.34	\$ 387,000.00	\$ 357,688.66
T		TOTALS			
T		Salaries/Benefits	\$ 8,209,422.39	\$ 8,579,233.79	\$ 369,811.40
T		Operational	\$ 5,579,572.56	\$ 6,190,059.00	\$ 610,486.44
T		Capital Accounts	\$ 206,061.83	\$ 573,049.00	\$ 366,987.17
T		Total Budget	\$ 13,995,056.78	\$ 15,342,341.79	\$ 1,347,285.01

SYC Balance Sheet
As of 6/30/2020

Sacramento Yolo MVCD (SYC)

Assets

Current Assets

Cash in Bank-FSA	36,712.58	
Cash with LAIF	11,736,311.44	
Petty Cash	600.00	
US Bank	399,831.20	
Accounts Receivable	52,861.06	
Assigned - Cash With VCJPA	1,520,371.00	
Inventory	933,041.51	
Total Current Assets:		14,679,728.79

Fixed Assets

LAND, BLDG., IMPROVEMENT	1,175,092.88	
EQUIPMENT	4,280,678.04	
BOND ROAD	5,061,395.00	
WOODLAND FACILITY	708,574.00	
ACCUMULATED DEPRECIATION	(6,650,388.20)	
Total Fixed Assets:		4,575,351.72

Other Assets

Deferred Outflows of Resources	7,419,528.00	
Deferred Outflows of Resources-GASB 75	427,109.00	
Total Other Assets:		7,846,637.00
Total Assets:		27,101,717.51

Liabilities

Current Liabilities

Accounts Payable	390,323.19	
Payroll Taxes Payable	(0.30)	
Voluntary TL & AD&D	(643.93)	
Voluntary STD	(459.92)	
FSA Deductions	113,287.66	
P.E.R.S. Deductions	(1.04)	
Safety Program	(1,530.00)	
Accumulated Vacation	417,766.45	
Total Current Liabilities:		918,742.11

Long-Term Liabilities

Net Pension Liability	13,470,191.00	
Net OPEB Liability	1,151,973.00	
Deferred Inflow of Resources	1,197,703.00	
Deferred Inflow of Resources-GASB 75	101,685.00	
Total Long-Term Liabilities:		15,921,552.00
Total Liabilities:		16,840,294.11

Equity

INVESTMENT IN FIX ASSETS	4,575,351.96	
RESERVED CASH (INS.)	1,520,371.00	
Committed-Capital Outlay	700,000.00	
Unassigned - Dry Financing	6,000,000.00	
GENERAL FUND	(5,718,204.08)	
Retained Earnings-Current Year	1,183,904.52	
Committed - Vector/Disease Response	2,000,000.00	
Total Equity:		10,261,423.40
Total Liabilities & Equity:		27,101,717.51

Sacramento-Yolo Mosquito and Vector Control District

July 21, 2020 Board Meeting

3. **Closed Session- Provide Instruction to Designated Labor
Representatives (Gov. Code s. 54957.6-Labor Negotiations)
Agency Designated Representatives : [Gary Goodman, Janna
McLeod, Samer Elkashef, Chris Voight]
Employee Organization: [Operating Engineers Local Union #3]**

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Sacramento-Yolo Mosquito and Vector Control District

July 21, 2020 Board Meeting

4. Board Review and Approval of District Budget for 2020-2021

Staff Report:

Please find enclosed the final version of the 2020-2021 District Budget.

A few highlights of the budget:

- 1) Revenue projections are estimated to be 2% higher in Sacramento County and Yolo County. The District is concerned about the current economic situation and the impact it will have on District revenues in the future. The District is currently working on estimating the long term impact on our revenue stream. Staff is utilizing the 2008 economic downturn as guidance to estimate potential revenue stream fluctuations.
- 2) Staff is utilizing the contingency reserve account to help create a rainy day fund in case the District is faced with declining revenues in future years.
- 3) The proposed payment to the District's unfunded liability for CalPERS is \$1,024,612 which is \$136,815 higher than last year. Our current unfunded liability for the classic plan is at \$14,815,979 and the District anticipates these annual costs to continue to rise at a rate of about \$35K per year during the 15 year repayment schedule especially with the potential losses in the CalPERS fund seen in this calendar year so far. The PEPRA unfunded liability is approximately \$41,586 and we would be fully funding it for this year.
- 4) The District is planning to investigate a number of capital expenditure projects this fiscal year including parking lot sealing, fire alarm upgrades, possible building expansion, 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.
- 5) 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 2020 is ~2.5%. Historically, the District has based its annual salary increase proposals on the March CPI. The current budget does not include this increase to salaries.

- 6) The District is offering 4 paid days to be taken between the Christmas and New Year holidays. This equates to a 1.6% value of salary (0.4% per day). This would be effective for the non-represented employees.
- 7) The current budget includes a \$100 increase in the cafeteria plan credits from \$1,200 per employee to \$1,300 per employee. This will go into effect July 1, 2020 for the non-represented employees.
- 8) The discussion of any proposals to adjust the salaries of the represented employees in the MOAT unit is a part of the collective bargaining process and will be presented for consideration along with any addendums to the Memorandum of Understanding (MOU) when negotiations are completed and a final proposal is brought to the Board.

Recommendation:

Approve the District's FY 20-21 Budget.



Sacramento-Yolo Mosquito and Vector Control District

Fiscal Year 2020-2021 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.

Sacramento County

Year	Roll Values	Amount of Change	Percentage Change
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%
2007-2008	\$137,707,020,735	\$12,032,055,480	9.57%
2006-2007	\$125,674,965,255	\$16,346,740,262	14.95%

Yolo County

Year	Roll Values	Amount of Change	Percentage Change
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%
2007-2008	\$19,670,376,090	\$1,577,529,248	8.72%
2006-2007	\$18,092,846,842	\$2,377,760,980	15.13%

Anticipated Revenues

Anticipated revenues are generated from past performance with projections added from assessed value growth in both counties. Preliminary growth estimates from Sacramento County suggest an increase of 6.2%, while Yolo County suggests an increase of 2%. The Assessors have suggested to use 0% growth in subsequent years for planning purposes until better information is available and the impacts of our current situation is more understood. The District is utilizing a 2% growth in revenue for this fiscal year. Major changes in the property tax roll, like those seen in 2008, tend not to have an impact until the year after the event occurs. Comparing the current state of the economy and the expected downturn, our revenue stream may not be impacted until FY 21/22. We conservatively anticipate fiscal year 2020-2021 revenues, including supplemental tax and non-tax revenues, to be approximately **\$15,887,774** (a 2% increase over FY 2019-2020) as outlined below:

Sacramento County Property Tax Revenues	\$ 13,026,595.56
Minus property tax administration fees	\$ 151,778.00
Subtotal	\$ 12,877,198.53

Yolo County Property Tax Revenues	\$ 2,159,575.19
Minus property tax administration fees	\$ 24,000.00
Subtotal	\$ 2,086,009.69

Anticipated Total Property Tax Revenue	\$ 15,021,605.34
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Anticipated Interest Earnings	\$ 175,000.00
Other Tax Revenues	\$ 525,000.00
Other Revenue (rent, mosquito control payments, etc.)	\$ 175,000.00

Anticipated Total Revenues for FY 2020-2021:	\$ 15,887,773.72
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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 being over funded, but does not take into account the need for “dry financing” cash to sustain operations between tax receipts. The District anticipates starting the 2020-2021 fiscal year with \$12,632,531.61.

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 \$2,000,000. 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 \$543,000 would be allocated to the Capital Expenditure accounts as follows:*

20-21 Proposed Capital Expenditures

7011 Capital Outlay

Dept.	Description	Amount
IT	Server	\$ 5,000
Eco. Mgmt.	UAS Units	\$ 4,000
Eco. Mgmt.	Ground Control Points	\$ 5,000
Eco. Mgmt.	Disease Particulate Filter	\$ 10,400
Control	Mule	\$ 9,000
Control	A1 Mistblower	\$ 24,600
Control	Electric Backpack and Battery	\$ 9,500
Shop	Scan Tool	\$ 3,800
Shop	Freon AC Machine	\$ 7,000
Shop	Vehicle	\$ 18,000
Lab	RT PCR	\$ 50,000
Lab	Centrifuge	\$ 15,000
Lab	Chill Table	\$ 3,000
Fisheries	Netted Pond(s)	\$ 60,000
Fisheries	Do Meter	\$ 1,200
Fisheries	Aerator	\$ 7,500
	Subtotal	\$ 233,000

7030 Research

Dept.	Description	Amount
Admin	Research Grant to AMCARF	\$ 25,000
	Subtotal	\$ 25,000

7035 Building Improvement

Dept.	Description	Amount
Facilities	Facility Expansion	\$ 200,000
Facilities	Parking Lot	\$ 25,000
Facilities	Fire System Upgrade	\$ 60,000
	Subtotal	\$ 285,000
Grand Total Capital Expenditures		\$ 543,000

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, 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 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.

As of 7/1/2019 the VCJPA Board dissolved the Property Contingency Fund moving the Fund balance into the Member Contingency Fund (MCF). As of March 31st the balance in the Member Contingency Fund is \$1,583,833. The projected balance at 6/30/20 is anticipated to be \$1,598,733.

Policy/Payment Type	Deductible	Premium	x2
Workers' Comp	\$ 50,000		\$ 100,000
Liability	\$ 50,000		\$ 100,000
APD	\$ 500		\$ 1,000
Property	\$ 500		\$ 1,000
Premium Deposit Invoiced for 20-21		\$ 359,159	\$ 718,318
Suggested Prudent Balance			\$ 920,318
Estimated Balance as of 6/30/2020			\$ 1,598,733
19-20 Premium (paid July 19)			\$ 314,877
Est. Balance minus Premium			\$ 1,283,856
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 anticipate this to be approximately \$9,845,397.

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 Assessors offices along with CalPERS to assess future revenue limitations. The general consensus is that things will get worse before they get better, but the long term fiscal impacts are not currently known.

Personnel Expenditures

The District expenditures for salaries, temporary help, retirement and insurance are \$8,793,711. Per previous Board direction this figure does not include 9 Board authorized positions that staff is 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 2020 is ~2.5%. The District is concerned about the current economic situation and the impact it will have on District revenues in the future so staff did not include a salary adjustment in this current budget. The District will continue to work on estimating the long term impact on our revenue stream as more information is available. Staff is utilizing the 2008 economic downturn as guidance to estimate potential revenue stream fluctuations.

The following categories are breakdowns of the Personnel Expenditures:

Retirement Fund-5110 & 5115

The Tier 1 (2.5% at 55) contribution rate for 20/21 will be a total of 36.807% of gross payroll for those in this category. This represents the employer normal cost rate (12.900%) plus the employer payment of unfunded liability (15.954%) plus the employee contribution of 8%. There are currently 45 employees in this Tier.

The unfunded liability for Tier 1 based on our most recent valuation from CalPERS is \$14,815,979. The District is paying this off on a 15 year schedule and anticipates an increase of approximately \$35,000 each year until the final payment assuming that the investment fund meets or exceeds its anticipated returns.

The Tier 2 (2% at 62) employer contribution rate for 20/21 will be a total of 8.157% which is represented by the employer normal cost rate (7.526%) plus the employer payment of unfunded liability (0.631%). There are currently 22 employees in this Tier.

The unfunded liability for Tier 2 based on our most recent valuation from CalPERS is \$41,586. The District is planning on paying this off annually as the amount is small and manageable at this time.

The District made a large Additional Discretionary Payment (ADP) of \$4M to CalPERS last year. The effects of this payment will be further reflected in the next valuation report; however, our total unfunded liability is still at \$14,815,979. Staff is proposing to maintain a more aggressive payment schedule of 15 years to help pay down this liability as noted in the budget.

PERS Retirement Normal Costs

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$904,726	\$838,935	\$884,554

PERS Retirement Unfunded Accrued Liability (UAL)

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$919,417	\$887,797	\$1,024,612

Group Insurance-5130

The District provides options for group insurance if medical insurance is taken and provides \$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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$650,000	\$650,000	\$735,000

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 \$110,000 for the fiscal year. No payments to the Trust are proposed with this budget.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$ 105,000	\$95,000	\$110,000

Unemployment Insurance-5140

Unemployment expenses varies 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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$30,000	\$7,500	\$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 2020-2021 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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$174,023	\$ 174,023	\$197,904

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, aircraft 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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$150,854	\$145,617	\$171,762

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$17,750	\$16,000	\$17,750

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$79,500	\$65,000	\$79,500

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$465,500	\$450,000	\$502,500

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$ 65,000	\$65,000	\$65,000

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$113,000	\$85,000	\$113,000

Office Expenses-5390

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

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$15,000	\$15,000	\$17,500

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$198,250	\$190,000	\$203,250

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$10,000	\$10,000	\$13,000

Rents and Leases-5450

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

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$11,550	\$10,000	\$11,550

Safety Program-5470

This category funds the District Safety Program.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$5,000	\$2,500	\$5,000

Utilities-5480

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

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$110,000	\$95,000	\$110,000

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$945,500	\$843,000	\$955,000

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) and utilizes one backhoe and other heavy equipment. We propose to continue to assist in the implementation of BMP's with this category.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$15,200	\$10,000	\$18,600

Microbial-6160

This category incorporates various larvicide materials including *Bacillus thuringiensis*, *Lysinibacillus 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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$1,500,000	\$1,221,260	\$1,550,000

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.

2019-2019 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$950,000	\$975,000	\$1,000,000

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$1,000,000	\$895,000	\$1,100,000

Fisheries Department-6220

Our mosquitofish hatchery at Bond Road supplies the public with mosquitofish 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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$27,000	\$20,000	\$27,000

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$7,125	\$7,000	\$9,100

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$48,200	\$48,000	\$68,500

Control Operations-6350

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

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$32,430	\$28,000	\$40,200

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$88,000	\$88,000	\$98,000

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$163,200	\$175,000	\$148,200

Gas and Petroleum Products-6450

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

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$172,000	\$115,000	\$154,000

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$ 136,049	\$193,085	\$ 233,000

Contingency-7021

This account is used to track contingency planning and responses to address potential issues such as temporary District shutdowns due to non-vector related public health emergencies or disasters and can be considered a rainy day fund.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$0	\$0	\$94,239

Emergency Vector Response-7022

This account is used to track unanticipated emergency responses made by the District. The District has \$2 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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$0	\$0	\$0

Research Fund-7030

This account is used to support any research that the District wants to be involved with including support for the AMCA Research Foundation.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$50,000	\$0	\$25,000

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.

2019-2020 Budget	2019-2020 Est. Expenditure	Proposed 2020-2021 Budget
\$387,000	\$150,000	\$285,000

2020-2021 Budget Summary

Personnel Expenditures-Salaries and Benefits:	\$	8,793,711
Operational Expenditures:	\$	6,478,412
Capital Expenditures:	\$	615,651
Total Expenditures:	\$	15,887,774
Total Anticipated Revenues:	\$	15,887,774
Projected Revenues over Expenses:	\$	0.00
Potential Surplus/(Deficit) at June 30, 2020	\$	0.00

S.Y.M.V.C.D FY 2020-2021 Budget

Account #	Account Description	FY 20/21 Budget	FY 19/20 Budget
4000	REVENUE	\$ 15,887,774.00	\$ 15,576,248.75
4010	Current Secured Taxes		
4015	Current Unsecured Taxes		
4020	Prior Unsecured Taxes		
4025	Secured Supplemental (SB13)		
4026	Unsecured Supplemental (SB13)		
4030	Interest		
4035	Rents & Leases		
4045	Homeowners Property		
4046	Highway Property Rental		
4050	Other In-Lieu Taxes		
4055	Mosquito Control Work		
4057	Zika Funding		
4060	Sale of Fixed Assets		
4075	Other Resources		
7009	Gain on Sale of Equipment		
5000	SALARIES/BENEFITS/WC	\$ 8,793,710.68	\$ 8,579,233.79
5010	Administrative Department	\$ 904,230.06	\$ 883,211.78
5015	Ecological Management Department	\$ 260,270.27	\$ 255,945.61
5020	Shop	\$ 255,241.40	\$ 255,369.61
5025	Control Ops Supervisors	\$ 517,420.14	\$ 540,869.68
5030	Technicians	\$ 2,245,279.97	\$ 2,327,878.88
5031	Seasonal Helpers	\$ 380,004.50	\$ 332,638.50
5040	Biological Control: Lab Dept	\$ 984,317.64	\$ 946,147.48
5041	Biological Control: Fisheries Dept	\$ 248,082.88	\$ 237,212.66
5045	Trustee Monthly Meeting	\$ 16,793.40	\$ 16,793.40
5110	P.E.R.S. Retirement Normal Costs	\$ 884,554.42	\$ 904,726.19
5115	P.E.R.S. Retirement UAL	\$ 1,024,612.00	\$ 919,417.00
5130	Group Insurance	\$ 735,000.00	\$ 650,000.00
5131	Retiree Insurance Costs	\$ 110,000.00	\$ 105,000.00
5140	Unemployment Insurance	\$ 30,000.00	\$ 30,000.00
5150	WORKERS COMPENSATION	\$ 197,904.00	\$ 174,023.00
5200	OPERATIONAL	\$ 6,478,412.05	\$ 6,190,059.00
5210	LIABILITY INSURANCE	\$ 171,762.05	\$ 150,854.00
5250	AUDITING/FISCAL	\$ 17,750.00	\$ 17,750.00
5270	COMMUNICATIONS	\$ 79,500.00	\$ 79,500.00
5271	Telephone	\$ 38,500.00	\$ 38,500.00
5272	Internet	\$ -	\$ -
6251	Mobile Devices	\$ 41,000.00	\$ 41,000.00
6252	Weather Stations	\$ -	\$ -
5310	PUBLIC INFORMATION	\$ 502,500.00	\$ 465,500.00
5311	School Program	\$ 53,500.00	\$ 42,000.00
5312	Publications	\$ 17,500.00	\$ 13,500.00
5313	Marketing	\$ 11,500.00	\$ 20,000.00
5314	Postage	\$ -	\$ -
5315	Advertising	\$ 311,000.00	\$ 286,000.00
5316	Events/Fees	\$ 106,500.00	\$ 102,500.00
5319	Misc Admin	\$ 2,500.00	\$ 1,500.00
5340	STRUCTURE & GROUNDS	\$ 65,000.00	\$ 65,000.00
5341	Landscaping & Grounds	\$ 10,000.00	\$ 10,000.00

S.Y.M.V.C.D FY 2020-2021 Budget

Account #	Account Description	FY 20/21 Budget	FY 19/20 Budget
5342	Building Services & Repairs	\$ 20,000.00	\$ 20,000.00
5343	Janitorial	\$ 35,000.00	\$ 35,000.00
5370	MEMBER/TRAINING	\$ 113,000.00	\$ 113,000.00
5371	Travel	\$ 40,000.00	\$ 40,000.00
5372	Conference/Training/Mtg	\$ 35,000.00	\$ 35,000.00
5373	CDPH-Continuing Education	\$ 10,000.00	\$ 10,000.00
5374	Subscrip/Memshp/Dues	\$ 28,000.00	\$ 28,000.00
5390	DISTRICT OFFICE EXPENSES	\$ 17,500.00	\$ 15,000.00
5430	PROFESSIONAL SERVICES	\$ 203,250.00	\$ 198,250.00
5376	Permits/Fees	\$ 8,000.00	\$ 8,000.00
5431	Legal	\$ 50,000.00	\$ 38,000.00
5432	Medical	\$ 3,000.00	\$ 3,000.00
5433	Consulting	\$ 55,000.00	\$ 55,000.00
5434	Security	\$ 6,000.00	\$ 6,000.00
5435	Outsource Services	\$ 20,000.00	\$ 30,000.00
5436	Maintenance & Repairs	\$ 6,250.00	\$ 6,250.00
5437	Uniforms	\$ 30,000.00	\$ 27,000.00
5438	Aerial Survey	\$ 25,000.00	\$ 25,000.00
5440	MATERIALS & SUPPLIES	\$ 13,000.00	\$ 10,000.00
5441	Water/Coffee	\$ 8,000.00	\$ 5,000.00
5442	Janitorial Supplies	\$ 3,500.00	\$ 3,500.00
5443	Locks/Keys	\$ 250.00	\$ 250.00
5444	Kitchen	\$ 750.00	\$ 750.00
5445	Miscellaneous	\$ 500.00	\$ 500.00
5450	RENTS & LEASES	\$ 11,550.00	\$ 11,550.00
5470	SAFETY PROGRAM	\$ 5,000.00	\$ 5,000.00
5480	UTILITIES	\$ 110,000.00	\$ 110,000.00
6120	AIRCRAFT SERVICES	\$ 955,000.00	\$ 945,500.00
6121	Larviciding	\$ 566,000.00	\$ 556,500.00
6122	Adulticiding	\$ 380,000.00	\$ 380,000.00
6123	Trials	\$ 9,000.00	\$ 9,000.00
6140	ECOLOGICAL MANAGEMENT	\$ 18,600.00	\$ 15,200.00
6142	BMP Programs	\$ 1,500.00	\$ 4,500.00
6143	Project Support	\$ 7,800.00	\$ 3,000.00
6144	Small Equip Maintenance	\$ 2,700.00	\$ 2,100.00
6145	UAS Program	\$ 6,600.00	\$ 5,600.00
6160	MICROBIAL	\$ 1,550,000.00	\$ 1,500,000.00
6170	BIORATIONALS	\$ 1,000,000.00	\$ 950,000.00
6180	INSECTICIDES	\$ 1,100,000.00	\$ 1,000,000.00
6220	FISHERIES	\$ 27,000.00	\$ 27,000.00
6221	Medications & Feeds	\$ 13,500.00	\$ 13,500.00
6222	Lab Supplies	\$ 1,000.00	\$ 1,000.00
6223	Supplies/Dept. Equipment	\$ 12,500.00	\$ 12,500.00
6224	Fisheries Miscellaneous	\$ -	\$ -
6280	GEOGRAPHIC INFO SYSTEMS	\$ 9,100.00	\$ 7,125.00
6281	Software	\$ 7,900.00	\$ 6,000.00
6282	Accessories	\$ 1,200.00	\$ 1,125.00
6320	INFORMATION TECHNOLOGY	\$ 68,500.00	\$ 48,200.00
6321	Hardware	\$ 30,500.00	\$ 21,000.00
6322	Software	\$ 38,000.00	\$ 27,200.00

S.Y.M.V.C.D FY 2020-2021 Budget

Account #	Account Description	FY 20/21 Budget	FY 19/20 Budget
6323	Supplies	\$ -	\$ -
6324	Services	\$ -	\$ -
6350	CONTROL OPERATIONS	\$ 40,200.00	\$ 32,430.00
6351	Supplies	\$ 3,600.00	\$ 3,250.00
6352	Control Items & Materials	\$ 7,600.00	\$ 6,560.00
6353	PPE/Safety	\$ 18,000.00	\$ 15,200.00
6355	Small Equipment	\$ 11,000.00	\$ 7,420.00
6370	SHOP	\$ 98,000.00	\$ 88,000.00
6371	Parts Vehicles	\$ 78,000.00	\$ 70,000.00
6372	Outsource / Heavy Equipment	\$ 11,000.00	\$ 10,000.00
6373	Equipment Parts & Repair	\$ 9,000.00	\$ 8,000.00
6420	LAB SERVICES	\$ 148,200.00	\$ 163,200.00
6421	Insectary	\$ 5,600.00	\$ 5,600.00
6422	Gen'l Lab Supplies	\$ -	\$ -
6423	Services	\$ 10,000.00	\$ 20,000.00
6424	Surveillance	\$ 50,000.00	\$ 50,000.00
6425	Sentinel Bird	\$ 3,000.00	\$ 3,000.00
6426	Wild Bird	\$ -	\$ -
6427	Pesticide Testing	\$ 15,000.00	\$ 15,000.00
6428	Services - Small Equipment	\$ 1,800.00	\$ 1,800.00
6429	MB-Lyme Disease	\$ 4,400.00	\$ 4,400.00
6431	MB-Malaria	\$ 1,800.00	\$ 1,800.00
6432	MB-Chicken	\$ 1,600.00	\$ 1,600.00
6433	MB-PCR	\$ 50,000.00	\$ 55,000.00
6434	Microbiology - General	\$ 5,000.00	\$ 5,000.00
6450	GAS & PETROLEUM	\$ 154,000.00	\$ 172,000.00
7000	CAPITAL ACCOUNTS	\$ 615,651.27	\$ 573,049.00
7011/1510	Capital Outlay/Construction In Progress	\$ 233,000.00	\$ 136,049.00
7021	Contingency	\$ 72,651.27	\$ -
7030	Research Fund	\$ 25,000.00	\$ 50,000.00
7035	Building Improvement	\$ 285,000.00	\$ 387,000.00
	TOTALS		
	Salaries/Benefits	\$ 8,793,710.68	\$ 8,579,233.79
	Operational	\$ 6,478,412.05	\$ 6,190,059.00
	Capital Accounts	\$ 615,651.27	\$ 573,049.00
	Total Budget	\$ 15,887,774.00	\$ 15,342,341.79
	PROJECTED REVENUES	\$ 15,887,774.00	\$ 15,576,248.75
	ACTUAL REVENUES		\$ 15,576,248.75
	TOTAL BUDGET	\$ 15,887,774.00	\$ 15,342,341.79
	PROJECTED REVENUES OVER PROJECTED EXPENSES	\$ -	\$ 233,906.96
	ACTUAL REVENUES OVER ACTUAL EXPENSES		

Sacramento-Yolo Mosquito and Vector Control District

July 21, 2020 Board Meeting

5. Reports to the Board

a. Manager's Report

b. Reports from District Departments

- **Lab/Surveillance (Marcia Reed)**
- **Ecological Management (Marty Scholl)**
- **Biological Control (Tony Hedley)**
- **Larval and Adult Control (Steve Ramos)**
- **Public Outreach (Luz Maria Robles)**

a. Manager's Report

The District's West Nile season is quickly gaining momentum as compared to last year and crews are very busy addressing high populations and virus activity in various areas. Staff will continue to follow the Mosquito Borne Disease Management Plan with enhanced surveillance and control efforts in response to positive dead birds or positive mosquito collections.

The District conducted a flyover of approximately 50 square miles over parts of north Sacramento County to look for green swimming pools and compare to the District's previous flyovers.

The Manager has met online with Congressman Ami Bera to discuss the impact of COVID-19 on the District and to explore potential federal relief programs. The Manager also engaged with Senator Marco Rubio (FL) on potential appropriations for the SMASH Act. We have been partnering with other public health entities to educate our lawmakers on the need for this funding.

AMCA is submitting a grant request to CDC for expansion of the AMCA's Best Management Practices Manual to include training for Culex species and to incorporate an emergency response component.

The MVCAC made some recent changes to the Board structure and is currently looking for a new trustee to sit on their Board of Directors. The language describing the trustee council in the bylaws was deleted and essentially created a Board position for a trustee at large. It will now follow the procedures for the Vice President election process currently in place and would serve on the board and advocate for trustee issues. They can serve for more than a year if elected and there are no term limits. The overall goal is to better connect the trustees on MVCAC business, providing engaged trustees places to bring their talents.

b. Reports from District Departments

- **Lab/Surveillance (Marcia Reed)**
- **Ecological Management (Marty Scholl)**
- **Biological Control (Tony Hedley)**
- **Larval and Adult Control (Steve Ramos)**
- **Public Outreach (Luz Maria Robles)**

LABORATORY

Monthly Report for July 2020 Board Meeting

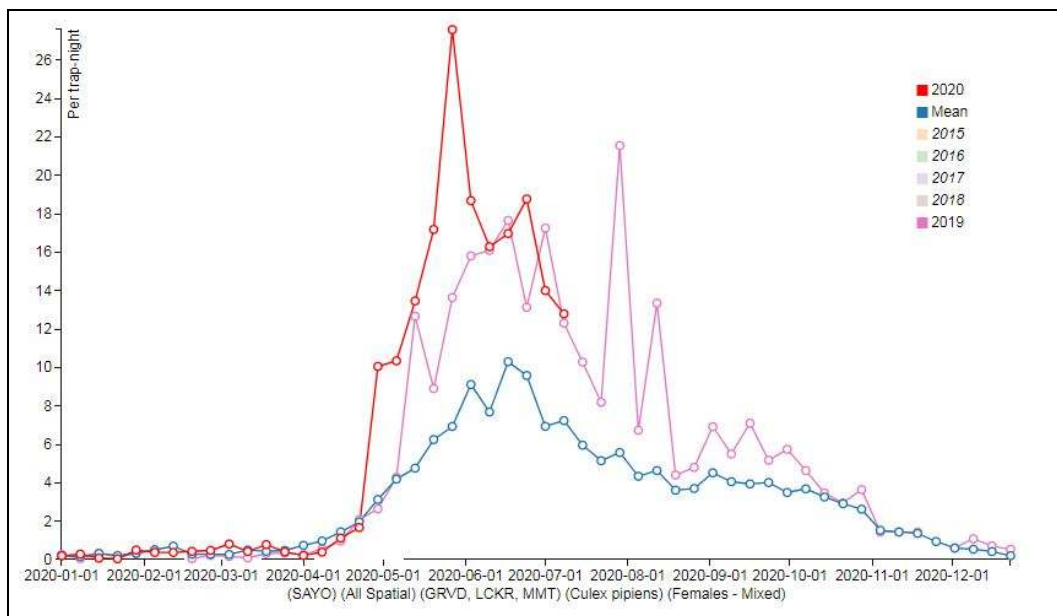
Insectary:

Colonies maintained: *Culex tarsalis* Kern National Wildlife (susceptible)
Culex tarsalis Conaway Ranch – wild (resistant)
Culex quinquefasciatus Cq1 (susceptible)
Culex pipiens Woodland (resistant)
Culex pipiens f. *molestus* - wild - Sacramento County
Aedes sierrensis wild - Marin - Sonoma County (in egg form)

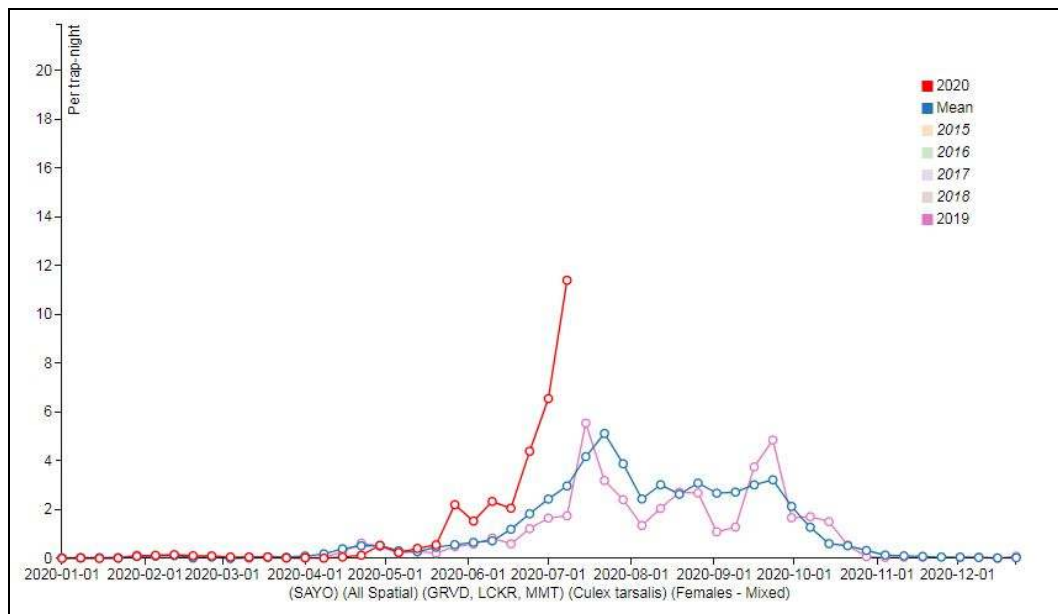
Surveillance:

Weekly collections – Locker CO₂ Traps (LCKRs) and Gravid traps (GTs) results are presented in the graphs below. We saw an early elevation in abundance numbers for *Culex pipiens* above the 5 year mean, but the abundance has declined over the past month. *Culex tarsalis* abundance has increased to be well above the 5 year mean. A contributing factor to the *Cx. tarsalis* high abundance shown in this graph is the switch from the Mosquito Magnet traps (MMT) to our District Locker traps (LCKR). Both the MMT and LCKR capture host seeking female mosquitoes, but our improved LCKR trap is much more efficient with our latest design improvements.

Culex pipiens in weekly abundance traps (LCKR, GT):

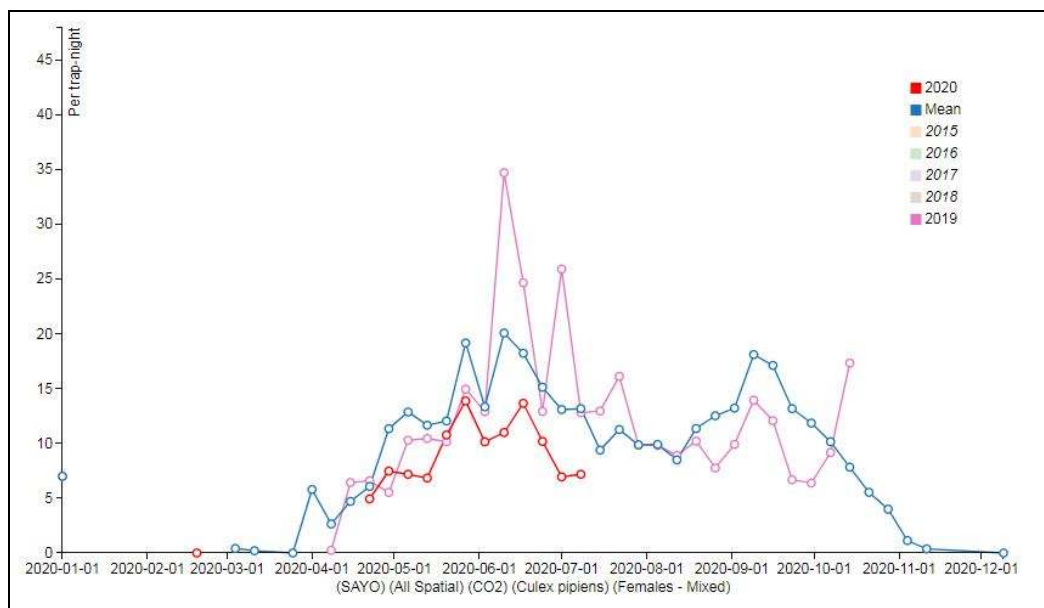


Culex tarsalis in weekly abundance traps (LCKR, GT):

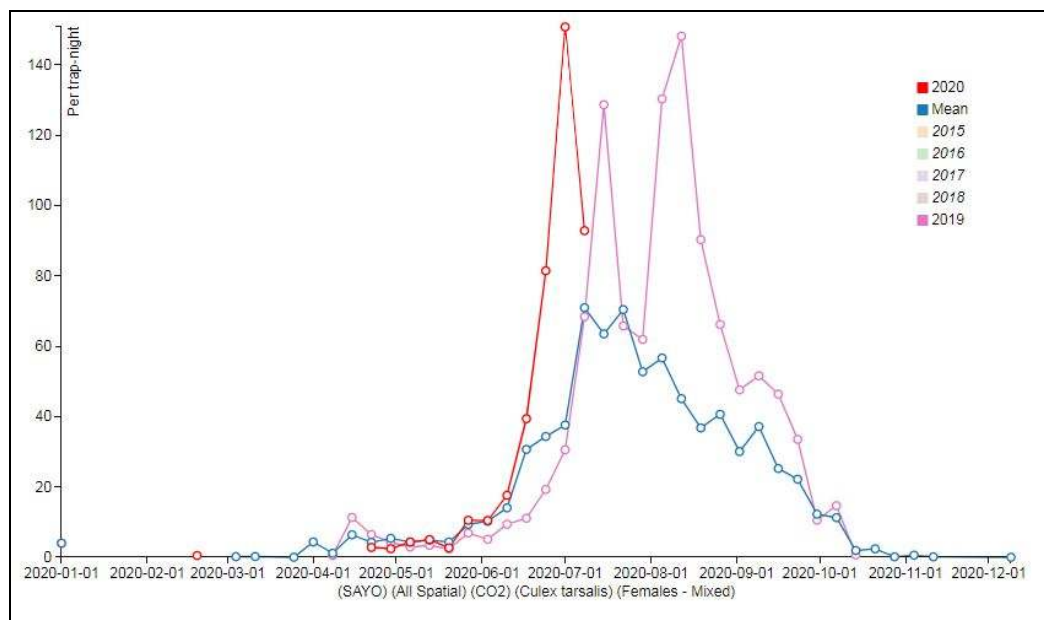


Encephalitis virus surveillance (EVS) – Mosquitoes – We have currently tested 2,556 mosquito pools (samples). Eleven of these mosquito pools have tested positive. The positive pools are from the Fair Oaks/Orangevale area, South Sacramento (Elder Creek) area and Elk Grove area. At this time last year, we had tested 2,474 pools, and found one positive pool, so we are ahead in testing and positive detections this year compared to last year. The different population results when comparing the weekly abundance to the EVS CO₂ data shows the strength of the weekly abundance data, particularly for *Culex pipiens*. The EVS CO₂ traps are only one night's abundance, and thus can be adversely affected by adverse weather conditions on that particular night. Flight activity of mosquitoes is very dependent on weather, particularly temperature and wind. The weekly abundance results capture the entire week's mosquito activity, thus is more representative of overall populations. *Culex tarsalis* abundance is continuing to be elevated above the 5 year mean and last year's abundance numbers.

Culex pipiens in CO₂ EVS traps:



Culex tarsalis in CO₂ EVS traps:



Encephalitis virus surveillance (EVS) – Sentinel Chickens –We have been sampling the chickens every other week and have detected no positive chickens at this time. The flock locations are Dunnigan, Knights Landing, Isleton, Rancho Murieta, and Gibson Ranch.

Encephalitis virus surveillance (EVS) – Dead Birds – We have picked up and tested 120 dead birds from Sacramento County. 12 of these dead birds have tested positive for West Nile Virus. Six of the dead birds were California Scrub-Jays, three were American Crows, two were Yellow-billed Magpies and the remaining one of the twelve was a House Sparrow. The majority of these were from the Fair Oaks and Carmichael areas.

We have picked up and tested 15 dead birds from Yolo County at this time, but none from Yolo County have tested positive yet.

Invasive *Aedes* spp. Surveillance – We have still not yet detected any *Aedes aegypti* activity in Citrus Heights this year in our permanent sites. We did perform additional trapping in our “known” infestation area utilizing overnight BG Sentinel traps, but did not detect any invasive *Aedes* in this trap event either.

Tick and Lyme disease surveillance – We have completed the spring portion of our tick surveillance and testing program. We will resume tick collecting in October 2020.

BG Counter Traps – We have deployed BG Counter traps in Natomas and in the Yolo County agricultural rice growing areas. These traps are used by control operations to determine whether adulticide treatments are warranted. In addition, we have deployed several counter traps in the Yolo County and Sacramento urban/suburban areas. We have thirteen traps currently deployed.

Mosquito Resistance Testing – We have begun running benchtop larval bioassay on several populations of *Culex pipiens* mosquitoes from the Woodland area. Control operations is utilizing our initial Woodland data to put methoprene control products back into the rotation. They will be monitoring the basins being treated closely to see if effective control is achieved.

Disease Response Surveillance – In the month of June, we were not notified of any imported mosquito-borne disease cases.

District Studies –

LVL (Low Volume Larvicide) studies – We coordinated with control operations staff to perform an evaluation of Altosid Liquid Larvicide applied with this equipment. We did not see satisfactory control results, and thus repeated the trial with a few modifications of study design. We again did not see satisfactory control. We are in the process of planning a third, more rudimentary trial to determine if further effort is warranted.

Adulticide Product Trials – We are planning to begin these trials with an evaluation of Merus 3.0. We will also evaluate the other adulticide products we use in our aerial control program.

Sugar Bait Project – We have begun deploying sugar baits in and around the dead bird positives and other District areas. We pick up the baits after they have been in the field for one week and test the baits for the presence of the three viruses in our rtPCR triplex (WNV, Western Equine Encephalitis and St Louis Encephalitis). We have had positive detections for WNV in three sugar bait samples and have deployed traditional EVS traps in these areas.

Sumilary Evaluation – We are assisting control operations in the evaluation of this product in swimming pools. This study involves both in ground concrete pools and above ground vinyl pools. This study is in progress.

***Aedes aegypti* traps** – Currently, we utilize BG Sentinel traps for monitoring our Citrus Heights invasive *Aedes* populations, we have not yet had any detections of *Aedes aegypti* adult mosquitoes in our traps. Once we have detections we will be evaluating other types of traps for use in our invasive surveillance program.

Collaborations –

Catch Basin Residue and Resistance study – We have received the sample collection kits from Dr. Jay Gan's lab at UC Riverside and are planning on taking our first samples from catch basins in the District this month. There will be two more sampling dates, one in August and one in September.

Natular 2EC applied via LVL – We will be working with Clarke Mosquito Control utilizing an experimental use permit to evaluate the effectiveness of Natular 2EC, a Spinosad product applied via the LVL application method. This study is scheduled to occur the last week of July.

Additional Projects – We will be working with two recipients of Pac-Vec Center of Excellence training grants. The first is Dr. Tara Thiemann from UOP (the University of the Pacific in Stockton). She is working on resistance in *Culex tarsalis* mosquitoes. The second is Dr. Monika Guila-Nuss from UNR (the University of Nevada at Reno). This collaboration is regarding *Ixodes pacificus* ticks and will begin this fall/winter when our tick surveillance program resumes.

California Arbovirus Surveillance Bulletin #13 Week 28: Friday, July 10, 2020

2019 & 2020 YTD West Nile Virus Comparisons		
	2019	2020
Total # Dead Bird Reports	2,859	2,505
# Positive Counties	16	18
# Human Cases	1	2
# Positive Dead Birds / # Tested	20 / 836	34 / 591
# Positive Mosquito Pools / # Tested	582 / 16,814	179 / 14,824
# Seroconversions / # Tested	0 / 3,727	1 / 2,485

YTD WNV Activity by Element and County, 2020					
County	Humans*	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Amador		1			
Fresno			3	23	
Imperial				1	
Kern				1	
Kings				1	
Los Angeles	1		6	14	
Madera				2	
Merced			1	5	1
Napa			1		
Orange			1		
Riverside				26	
Sacramento			12	6	
San Diego				1	
San Joaquin			1	4	
Santa Clara			5	7	
Stanislaus	1		4	78	
Sutter				2	
Tulare				8	
Totals	2	1	34	179	1

ECOLOGICAL MANAGEMENT DEPARTMENT

Monthly Report for the July 2020 Board Meeting

Agriculture Program

In an effort to continue the study of reducing mosquito larvae by the removal of vegetation around highly polluted water such as dairy sumps, staff mowed emerging vegetation around two local dairy sumps. These sumps will be monitored throughout the season and compared to sumps that were not mowed.



Storm Water / Drainages Program

Elder Creek: Staff continues to work with the Sacramento County Department of Water Resources, Drainages Dept. to remove beaver dams at multiple locations within Elder Creek. The County is currently investigating longer term solutions for the flooded areas between Elder Creek and Florin Roads.



Staff has also been working with the Yolo Field Supervisors to remove beaver dams within the City of Woodland's waste water drainage ditch north of Hwy 5 within the Yolo Bypass as well as in a main drainage ditch in Winters, CA.

Wetland Program / Rice Program

Channel Ranch: Staff removed beaver blockages within the main drainage culverts on the Channel Ranch that drain five neighboring duck clubs in the Lower Yolo Bypass.



Conaway Ranch: Staff attended another site meeting to discuss early wild rice harvest and re-flooding BMPs. As of July 11, 2020 harvest has begun on the first planted organic wild rice, and will continue until all fields have been harvested. No re-flooding is anticipated; however a small fifty acre trial plot is scheduled to remain flooded and be re-flown with rice in an attempt to grow a second crop.

Cemeteries

Staff has inspected most of the Cemeteries within the District and has assisted with various treatments. Vases that are holding water are either flipped over or treated with Watersorb granules. Staff has not found high instances of mosquito breeding, but due to the recent major holidays many vases have been found to be holding water after the flowers have been removed.



BIOLOGICAL CONTROL

Monthly Report for July 2020 Board Meeting

In the month of June the Fisheries Department harvested mosquitofish from outside sources. These sites are isolated from game fish, are clean and easily accessed. These outside sites have produced over 150 lbs. of clean usable mosquitofish for our technicians to use in a variety of sources. The Fisheries Department will be involved in many projects this season including monitoring dissolved oxygen levels, crayfish trapping, testing ideal stocking rates and investigating the use of mosquitofish pheromones to repel mosquito egg laying.

Herbiciding around the District's ponds was performed as needed as well as landscaping around the facility. Daily activities such as tank cleaning, water quality monitoring, setting out aerators and pumps were also performed to maintain the high quality of our fish population.

Log of Treatment Applied for June

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Rate</u>	<u>Treatments</u>
Mosquitofish	107.27 lbs.	1,153.83 Acres	.09 lbs. /ac	628

Log of Treatment Applied for the year 2020

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Rate</u>	<u>Treatments</u>
Mosquitofish	784.002 lbs.	4,553.72 Acres	.17lbs/ac	3,051

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
27,000.00	205.18	26,794.82	1%



These water treatment holding ponds have very few weeds and hold only mosquitofish that our technicians have stocked in the past making them ideal for harvest.

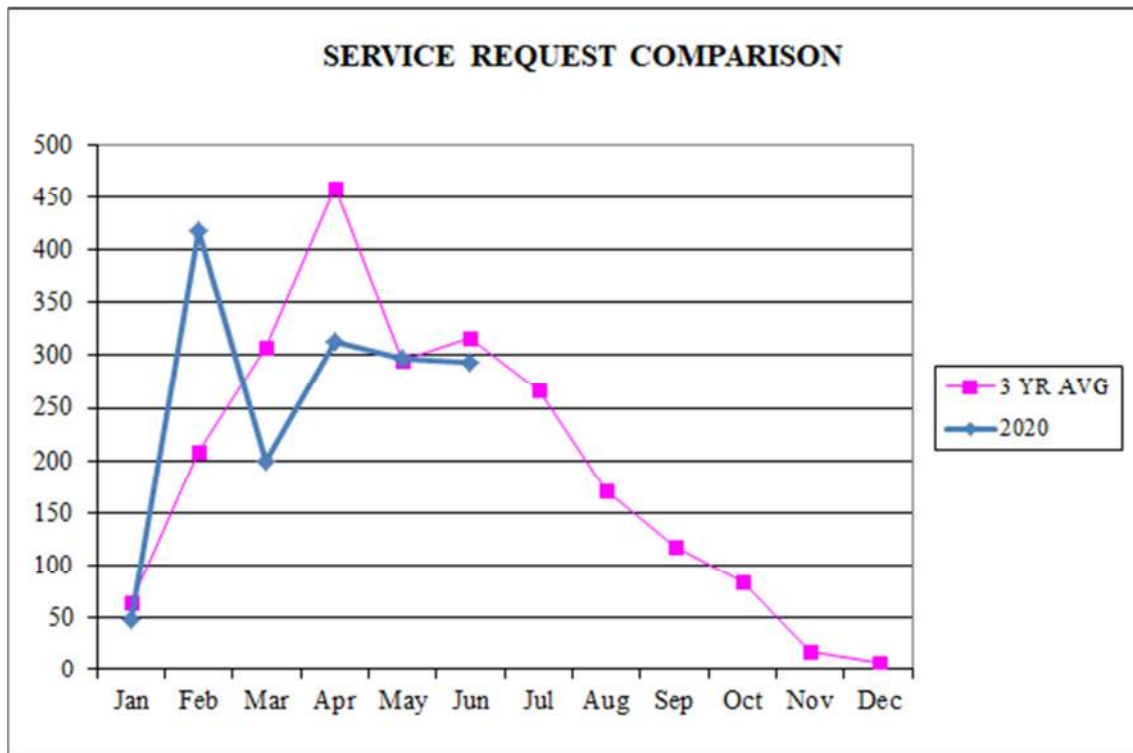
CONTROL OPERATIONS

Monthly Report for July 2020 Board Meeting

The final rice acreage total for the 2020 season for both counties is 45,498 acres with conventional rice making up 38,653 acres and organic rice accounting for 6,836 acres. Farm Air is performing our aerial larvicide applications over rice and VDCI is performing our aerial adulticide applications. Field crews have been responding to the WNV positive mosquito pools and positive dead birds with barrier treatments and some ground adulticiding. The District is still performing Sumilarv 0.5G trials in both rural and urban sources to discern where this new product can be of value to our program. The District is also performing trials looking at low volume larvicide applications utilizing the A-1 mist blower with different products, these trials are expected to run through the season.

A1 Getting ready to spray for trial work





Larvicide Applications thru June 30 th				
	2020		2019	
<u>Locations/Roles</u>	<u>Treatments</u>	<u>Acres</u>	<u>Treatments</u>	<u>Acres</u>
Sacramento County	4343	3339	2,989	5,664
Sac County Aerial	7 Order, 105 Sources	3,516	1 Orders, 18 Sources	508
Sac County Drone Treatments	5 orders	81.68		
Yolo County	979	2,275	916	2,563
Yolo County Aerial	23 Order, 231 Sources	21,187	14 Orders 160 Sources	11,792
Yolo County Drone Treatments	7 Order	440		
CB Treated	77,154	--	84,533	--
CB Inspected -not treated	75,693	--	65,211	--

Aerial Adulticide Summary thru June 30th				
	<u>2020</u>		<u>2019</u>	
<u>County</u>	<u># Applications</u>	<u>Acres</u>	<u># Applications</u>	<u>Acres</u>
Sacramento Ag	4	28,800	0	0
Sacramento Urban	0	0	0	0
Yolo Ag	7	59,680	1	11,040
Yolo Urban	0	0	0	0

VDCI Summary through June 30th, 2020

compared to: 2019

Contract Acres (our portion) =	530,000	530,000
Acres used =	88,480	11,040
Acres remaining =	(441,520)	(518,960)
% Acres used =	17%	2%
% Acres remaining =	83%	98 %

San Joaquin County MVCD has used 10,240 acres of their 190,000 acre contract commitment.

Placer MVCD has used 0 acres of their 100,000 acre commitment.

Turlock MAD has used 19,968 acres of their 180,000 acre commitment.

PUBLIC INFORMATION AND EDUCATION

Monthly Report for July 2020 Board Meeting

Advertising

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 ensuring a constant presence. In addition to these commercials we also have billboards and bus ads. The invasive mosquito commercial called “Space Invaders” will debut later in the season and in the meantime we are promoting our commercials that focus on using repellent, draining water and reporting mosquito breeding sources. Earlier this month we also produced two Spanish television commercials focusing on invasive Aedes mosquitoes as well as a general spot promoting the District D’s.

Pesticide Training Video

Our District is collaborating on a pesticide training video with UC Davis and the Pesticide Educational Resource Collaborative. The regulatory video focuses on how to properly use pesticides. Our District will be featured in the video showcasing how pesticides are used in controlling mosquitoes. The video shoot will take place on July 14th and will feature our staff applying pesticides in the field using a variety of equipment including quads and backpacks.

Repellent Distribution

Repellent distribution continues as field technicians distribute repellent and other District materials to all service requests. In addition, members of the catch basin crew have also delivered repellent to the cities of Rancho Cordova, Folsom and West Sacramento. We have ongoing repellent drop offs at retirement homes, and agencies that serve the homeless as well as other entities that request the wipes.

Social Media

Our social media efforts continue and to date we have 11,543 followers on Facebook. Content is focused on reporting dead birds, promotion of District services, signing up for spraying notifications and general mosquito prevention messages.

Government affairs:

Since in person presentations to city councils are not possible due to Covid-19, we have submitted written reports to provide our annual update and keep city elected officials informed. Written reports are being emailed to council members or included as part of consent items and not a topic for discussion on the meeting agenda. To date, reports to all cities and both counties have been submitted.

Sacramento-Yolo Mosquito and Vector Control District

July 21, 2020 Board Meeting

6. Board Authorization to Pay CalPERS Unfunded Liability in the Amount of \$1,024,612

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 proposed payment of \$1,024,612 is \$136,815 higher than last year, which includes a payment for our Classic retirement plan and our PEPRA plan. Our current unfunded liability for the classic plan is at \$14,815,979 and the District anticipates these annual costs to continue to rise at a rate of about \$35K per year during the 15 year repayment schedule. The PEPRA unfunded liability is approximately \$41,586 and we would be fully funding it for this year.

Recommendation:

Approve the payment of the CalPERS Unfunded Liability in the amount of \$1,024,612.

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Sacramento-Yolo Mosquito and Vector Control District

July 21, 2020 Board Meeting

7. Board Authorization to Pay 2020/2021 Annual Premium Invoice of \$359,159 for Coverage through the Vector Control Joint Powers Agency

Staff Report:

Fund balance levels must be sufficient to meet funding requirements of 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 VCJPA fund tends to have higher returns than Yolo County, so higher funds balance than suggested is recommended. The higher fund balance is consistent with the District’s investment policy.

As of 7/1/2019 the VCJPA Board dissolved the Property Contingency Fund moving the Fund balance into the Member Contingency Fund (MCF). As of March 31st the balance in the Member Contingency Fund is \$1,583,833. The projected balance at 6/30/20 is anticipated to be \$1,598,733.

Policy/Payment Type	Deductible	Premium	x2
Workers' Comp	\$ 50,000		\$ 100,000
Liability	\$ 50,000		\$ 100,000
APD	\$ 500		\$ 1,000
Property	\$ 500		\$ 1,000
Premium Deposit Invoiced for 20-21		\$ 359,159	\$ 718,318
Suggested Prudent Balance			\$ 920,318
Estimated Balance as of 6/30/2020			\$ 1,598,733
19-20 Premium (paid July 19)			\$ 314,877
Est. Balance minus Premium			\$ 1,283,856
Est. Payment to Maintain Prudent Balance			\$ -

Recommendation:

Approve the payment of the VCJPA Premium in the amount of \$359,159.



Vector Control Joint Powers Agency
1750 Creekside Oaks Drive, Suite 200
Sacramento, CA 95833
800.541.4591
916.244.1199 Fax

INVOICE

Bill To
Sacramento-Yolo MVCD 8631 Bond Road Elk Grove, CA 95624

Customer # SAC001	Invoice # VCJPA-2020-110
Invoice Date 7/1/20	Due Date 8/15/20
Total Due	\$359,159.00

2020-21 Program Year

Description	Amount
Workers' Comp. Program Deposit Premium	197,904.00
Liability Program Deposit Premium	125,336.00
Pooled Auto Physical Damage Deposit Premium	7,197.00
Property Program Deposit Premium	14,916.00
General Fund Contribution	12,125.00
ACIP Crime Program (Group Fidelity) Premium	1,126.00
Alliant Deadly Weapons Response Program (Previously know as Active Shooter)	555.00
TOTAL AMOUNT DUE	\$359,159.00

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

VECTOR CONTROL JOINT POWERS AGENCY

1750 Creekside Oaks Drive, Suite 200

Sacramento, CA 95833

(800) 541-4591 ~ Fax (916) 244-1199

Email: alana.theiss@yorkrisk.com

MEMBER CONTINGENCY FUND WITHDRAWAL FORM

MEMBER: _____

Please type or write your District's name

I. INSTRUCTION:

Please complete the following if you wish to pay the enclosed billings from the District's Member Contingency Fund account:

1. Review your latest Member Contingency Fund Statement to ensure adequate funds are available to pay the selected invoice;
2. Check the boxes below to select the invoices to be paid; For fund withdrawal, please check box III;
3. Certify the transaction by checking the payment instruction, signing and dating the form; and
4. Return the signed form via mail, fax, or email to the mailing address/fax#/email address on the top of this form.

If you have any questions, please call Alana Theiss at (916) 244-1120

II. CHECK SELECTION:

	Invoice #	Amount	Description
1.			
2.			
Total			

III. FUND WITHDRAWAL:

- ☐ Please withdraw \$_____ from the District's Member Contingency Fund. Please send check to the District's address at _____

IV. CERTIFICATION:

- ☐ Please pay the total amount due for the above selected invoices from the District's Member Contingency Fund account.
- ☐ Enclosed is the District's remittance for \$_____ and please transfer \$_____ from the District's Member Contingency Fund account to pay for the above selected invoice.

Print Name

Signature

Date

