

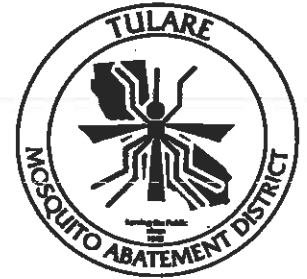
BOARD OF TRUSTEES

Pat Nunes
City of Tulare
Robert Uchita
County of Tulare
Robert Clark
County of Tulare
Stan Creelman
County of Tulare
Charlie Pitigliano
County of Tulare
Charles Mayer
City of Visalia

TULARE MOSQUITO ABATEMENT DISTRICT

District Headquarters: Mefford Field - Tulare
6575 Dale Fry Rd Tulare, CA 93274
PH (559) 686-6628 FAX (559) 686-2013
Email: TulareMosquito@gmail.com
www.tularemosquito.com

GENERAL MANAGER
John Avila



The Tulare Mosquito Abatement District Board of Trustees regular Meeting will be held on Tuesday, November 12th at 1:00 p.m. at the District office located at Mefford Field 6575 Dale Fry Rd, Tulare CA.

Agenda

1. **Citizen Comments:** At this time the Board of Trustees will take input from citizens on items they wish to address that are within the Board's jurisdiction. However the Board cannot legally discuss or take action at this meeting on comments received.
2. **Review Minutes of the October 8th, 2019 Board of Trustee Meeting**
3. **Payment of Check Numbers 5981 - 6014**
Electronic Fund Transfers (EFTPS) from Union Bank to the IRS and EDD for Social Security, Medicare, Federal and State Tax Payments. E Debit payments from the District's Union Bank account. Claim number 21914 Transfer of Funds from Tulare County Fund #778 to the District's Union Bank Account # *****4408.
4. **Fiscal Year 18/19 Annual Audit - Garry Riezebos, Adair & Evans**
5. **Report on MVCAC Quarterly held in Visalia October 29 & 30th**
6. **Discussion on expanding District to eastside foothill area**
7. **Invasive Aedes Teleconference**
8. **West Nile Human cases & Aedes Aegypti activity locally and statewide**
9. **Discussion on staffing needs in the 2020 season and how 2019 dictated changes**
10. **Manager's Report**
 - a. **December's Holiday Luncheon proposed date of 12/6/19**
 - b. **MVCAC Annual Conference - San Diego 1/26 - 1/29**
 - c. **City of Visalia's trash cans - update**
 - d. **Fish Tank installation**
 - e. **Civic Presentations**
11. **Meeting Adjourned**

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MINUTES OF THE MEETING OF THE BOARD OF TRUSTEES OF THE TULARE MOSQUITO ABATEMENT DISTRICT, HELD AT THE OFFICES OF THE DISTRICT, MEFFORD FIELD, TULARE, CALIFORNIA ON THE 8th DAY OF OCTOBER 2019, AT THE HOUR OF 1:00 P.M. OF SAID DAY

Present at the meeting called at 1:00 p.m. at the place above designated were: Charlie Pitigliano, presiding, Robert Clark, Chuck Mayer, Stan Creelman, and Robert Uchita. Pat Nunes was absent. Also present at the Board Meeting were John Avila, District Manager, Michelle Dempsey, District employee, and Chad M. Lew, counsel for the District.

Agenda Item No. 1: Citizen Comments.

Charlie Pitigliano opened the floor to citizen comments, but there were no comments from the public.

Agenda Item No. 2: Review Minutes of September 10, 2019 Board of Trustees Meeting.

The minutes of the meeting held on September 10, 2019, were presented to the board in writing and reviewed. Upon a motion made by Chuck Mayer, seconded by, Robert Clark, and unanimously carried, the minutes of the meeting held on September 10, 2019, were approved as presented.

Agenda Item No. 3: Payment of Check Number 5934 - 5980, Electronic Fund Transfers (EFTPS) from Union Bank to the IRS for Social Security, Medicare and Federal Tax Payments, and Union Bank Charges and Credits.

The board members reviewed the District's Union Bank checking account, check numbers 5934 - 5980, the electronic fund transfers (EFTPS) for payment of Social Security, Medicare and Federal Tax Payments to the IRS, and the electronic debit payments from the District's Union Bank account. Upon a motion duly made by Robert Clark, seconded by Stan Creelman, and unanimously carried, the Union Bank checking account, check numbers 5934 - 5980, the electronic fund transfers (EFTPS) for payment of Social Security, Medicare and Federal Tax Payments to the IRS, and the electronic debit payments from the District's Union Bank checking account were approved.

Agenda Item No. 4: Discussion and Decision to Move Forward with the GASB 75 Actuarial Report.

John reviewed with the board members the requirement that the District complete a GASB 75 actuarial report for incorporation with the District's audit. He also discussed a number of proposal that the District received to complete the GASB 75 actuarial report. John recommended that the board consider approving the contract with Pacific Crest Actuaries, to prepare and complete the GASB 75 actuarial report for fiscal years ending June 30, 2019 and also June 30, 2020, for a flat fee of \$2,500.00. Upon a motion duly made by Chuck Mayer, seconded by Robert Uchita, and unanimously carried, the board approved the contract with Pacific Crest Actuaries in the sum of \$2,500.00, and authorized the District Manager to execute said contract on behalf of the District.

Agenda Item No. 5: Consideration of Increase of District Manager Salary to Step 4 at \$107,884.00, Per Year, Effective October 1, 2019.

The board discussed John's positive job performance and evaluation. The board expressed that they were very pleased with John's work to increase the District outreach and public awareness. Upon a motion duly made by Stan Creelman, seconded by Chuck Mayer, and unanimously carried, the

board increased the District Manager salary to Step 4 at \$107,884.00, per year, effective as of October 1, 2019.

Agenda Item No. 6: Report on CSDA Conference in Anaheim September 25th - 28th.

John provided the board with a report of his attendance at the CSDA conference in Anaheim, California. He reviewed and took questions from the board as it relates to the issues and topics discussed.

Agenda Item No. 7: Update on Proposals in Replacement of Software for Recording Field Activity.

John advised the board that he was still investigating and researching for a replacement for the District's field activity hardware and software. He advised the board that the District has been advised by its current provider that after next year, the District's software will become obsolete. John advised that he has been communicating with the current provider about their replacement platform and also other vendors. John advised that he will continue to research the issue and place the matter back on the agenda at a later date when additional information is available.

Agenda Item No. 8: Results of Tulare County Fair Booth Participation.

John advised that after some issues relating to booth location were resolved, he believed the District's presence at the Tulare County Fair was beneficial in raising awareness of the District and its services and also to educate the public as to the mosquito issues currently facing the area with West Nile Virus and the invasive aedes species of mosquito.

Agenda Item No. 9: West Nile Human Cases & Aedes Aegypti Activity Locally and Statewide.

John reported that since our last meeting, he has been advised of two new human cases of West Nile Virus within the District. In addition, he advised that since the last meeting, the District has received the results that six additional mosquito pools were positive for West Nile Virus and three more positive results for St. Louis Encephalitis. John also reviewed the facts contained within the Weekly Update from the California Arbovirus Surveillance Bulletin #27, dated October 4, 2019.

Agenda Item No. 10: Manager's Report.

- a) Fish Filtration and Tank System Update - John advised that he was notified that the fish filtration and tank system were complete and that the installation thereof was scheduled for the week of October 14, 2019.
- b) SDRMA Liability Claims for 2018-2019 - John provided the board with a copy of correspondence from the SDRMA advising that the District had no "paid" property/liability claims for program year ended 2018-2019.
- c) MVCAC Quarterly - Visalia 10/29 - 10/30 - John advised the board that the MVCAC will be holding its quarterly meeting in Visalia, California, on October 29 and 30, 2019, and that he will be attending and participating.
- d) Seasonal Layoffs / Time Schedule Change - John advised the board that three seasonal surveillance employees were laid off as the season comes to an end, and that the one-ton seasonal employee's last week is ending this week. He also advised that with the end of the

Page 3 of 3.

season that the employees time schedule was changing.

Agenda Item No. 11: Meeting Adjourned.

There being no further business to come before the board, upon a motion duly made by Chuck Mayer, seconded by Stan Creelman, and unanimously carried, the special meeting was adjourned at 1:42 p.m.

SECRETARY

Expenses 10/15/2019

		Union	
		Check #'s	
		EFTPS	
		E Debits	
Full Time Employees			
6001	John Avila	2,996.61	DD1066
6001	Michelle Dempsey	2,492.18	DD1067
6001	Andrew Conard	1,867.84	DD1068
6001	Armando Gonzalez	1,934.70	DD1069
6001	Quirino Valencia	1,773.86	DD1070
6005	Jesse Carver	1,126.17	5981
6005	David Servi	1,081.06	5982
6005	Victor Zamora	1,802.80	5983
6004	CA Emp Dev Dept	717.40	EFTPS
6004	Choice Builders		
	UI, ETT, SDI & PIT		
	Monthly premium for employee Dental Vision & Life Insurance	968.50	5984
6008	Robert Clark	100.00	5985
	Board Meeting 10/08/19		
6008	Stan Creelman	100.00	5986
	Board Meeting 10/08/19		
6008	Charles Mayer	100.00	5987
	Board Meeting 10/08/19		
6008	Charlie Pittigliano	100.00	5988
	Board Meeting 10/08/19		
6008	Robert Uchita	100.00	5989
	Board Meeting 10/08/19		
6011	CalPERS (Retirement)	671.93	EFPTS
	Unfunded Liability (Classic)		
6011	CalPERS (Retirement)	156.55	EFPTS
	Unfunded Liability (Pepra)		
6011	CalPERS (Employee)	325.00	EFPTS
	Employee Additional 457 Roth		
6011	CalPERS (Employee)	400.00	EFPTS
	Employee Additional deferred contribution		
6011	CalPERS (Retirement)	2,318.41	EFTPS
	PERS Retirement contribution Employer & Employees		
6012	Union Bank	4,805.00	EFTPS
	Federal Inc Tax, Employee/Employer Medicare & SS		
7001	Target Specialty Products	4,228.54	5990
	Spheratax WSP 4,200 packets to complete storm drain season		
7001	Adapco	249.96	5991
	Teknar to complete season - 5 gallons		
7001	Pitigliano Farms	221.97	5992
	Monobor Chlorate Barespot Herbicide/Sterilant		
7001	-	206.50	
	Ant Bait		
7001	GSO		5993
	Shipments of Mosquito Pools - September	12.38	
7001	Verizon	200.00	5994
	Field Communications		
7005		117.08	
	Office Phones		
7009	Culligan	54.25	5995
	Bottled Water		
7010	SDRMA	47.50	5996
	Insurance Binder for Fair		
7021	G.V. Burrows, Inc	2,608.73	5997
	Vehicle Fuel		
7021	CP Phelps	8.62	5998
	Shop Supplies		
7021	Big Brand Tires	163.83	5999
	Tire Replacement Trk # 13		
7021	Frank's Automotive	224.72	6000
	A/C Diagnostic on Trk #2		
7021	Steve's Auto Electric	120.00	6001
	Troubleshoot and repair short in #6		
7036	Cline's Business Equipment	60.00	6002
	IT support/maintenance		
7036		32.03	
	Monthly maintenance contract - copier		
7043	McCormick, Kabot, Jenner, & Lew	300.00	6003
	Board Meeting 10/08/19		
7062	City of Tulare	774.00	6004
	Land Rent		
7081		145.22	
	Water & Refuse Pickup Service		
7066	CA Dept. Public Health	60.00	6005
	Fall 2019 Exam A&B - David Servi		
	Union Bank Charges		
7036		8.75	E Debit
	Direct Deposit Fee		
		35,665.01	

Expenses 10/31/2019

6000
7000Funds for Services & Supplies FY 19/20 Budget
Funds for Services & Supplies FY 19/20 Budget100,000.00
100,000.00Union
Bank

Check #'s

Full Time Employees					
6001	John Avila			3,003.55	DD1071
6001	Michelle Dempsey			2,685.66	DD1072
6001	Andrew Conard			1,867.83	DD1073
6001	Armando Gonzalez			1,927.95	DD1074
6001	Quirino Valencia			1,767.09	DD1075
6004	CA Emp Dev Dept	Ui, ETT, SDI & PIT		506.06	EFTPS
6004	CalPERS (Health)	Monthly Health Premium		12,218.37	EFPTS
6004	AFLAC (Employee)	Employee Additional Health Pre-Tax	565.88	603.48	6006
		Employee Additional Life After-Tax	37.60		
		Employee Additional 457 Roth		325.00	EFPTS
6011	CalPERS (Employee)	Employee Additional deferred contribution		400.00	EFPTS
6011	CalPERS (Retirement)	PERS Retirement contribution Employer & Employees		2,318.40	EFTPS
6012	Union Bank	Federal Inc Tax., Employee/Employer Medicare & SS	3,678.56	3,938.29	EFTPS
		Qrt 3 tax balance due paid by EFTPS 10/25/19	259.73		
Services & Supplies (2000)					
7001	Verizon (Verizon Wireless Fleet)	GPS System Monthly Charge (Aug)		285.00	6007
7001	Yosemite Linen Supply	Employee uniforms & related laundry service		599.81	6008
7001	MVCAC	Mosquito Pool Testing for September		840.00	6009
7021	G. V. Burrows, Inc	Fuel		1,427.16	6010
7021	Lowes	Shop Supplies		59.94	6011
7024	Lange Plumbing	Bathroom insert for remodeling project		1,929.50	6012
7043	Pacific Crest Actuaries, LLC	Actuarial & consulting services rendered to the District's retiree health insurance plan during October 2019. GASB 75 Actuarial Report as of July 1, 2018		2,500.00	6013
Union Bank Charges & Credits				248.60	E Debits
7081		SC Edison		168.50	
7081		SoCal Gas		16.35	
7036		Union Bank - Positive Pay monthly maintenance fees		55.00	
7036		Direct Deposit Fee		8.75	
U.S.Bank Charges & Credits				3,001.73	6014
7001	Digital Deployment	Streamline September Website	200.00		
7001	Amazon.com	Field Supplies	20.62		
7001	Tractor Supply	Chicken Feed	29.98		
7005	AT&T	Monthly Faxline	10.60		
7009	Costco	Microwave, misc household items	170.96		
7009	Costco	Household items	21.14		
7009	WalMart	Household items	32.38		
7009	WalMart	Household items	39.84		
7021	WalMart	Floor mats for vehicle # 17	18.33		
7036	Amazon.com	Printer Cartridge	56.71		
7036	USPS	Postage stamps for extra postage	9.00		
7036	USPS	Stamps x2 rolls	110.00		
7036	Intuit	Check Re order (1000)	426.48		
7036	Intuit	Payroll Annual Subscription	650.00		
7036	UnWired Broadband	Monthly Internet Connection	135.97		
7066	CSDA	Policy Manual Handbook guide-District's update	230.41		
7074	Marriott Hotel Anaheim	CSDA Conference Anaheim - Balance & Parking	301.02		
7074	Hyatt San Diego	MVCAC	179.43		
7074	Hyatt San Diego	MVCAC Conference Lodging - Michelle 1 nite deposit	179.43		
7074	Hyatt San Diego	MVCAC Conference Lodging - Quirino 1 nite deposit	179.43		

42,453.43

TMAD Revenue & Cash Balance Status						
FY 19/20						
	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 19/20	
Tax Income	Final	Final	Final	ESTIMATION	CURRENT FY	
4001 Property Tax Current Secured	1,196,569	1,263,060	1,316,348	1,317,665		
4006 Property Tax Current Unsecured	68,463	74,679	78,374	72,657		
4008 Property Tax Prior Secured	24,606	24,790	24,820	24,699		
4009 Property Tax Prior Unsecured	1,398	2,281	1,184	1,840		
4030 Supp Tax Current Secured	15,852	22,729	24,962	19,294		
4033 Supp Tax Prior Secured	2,496	2,405	3,509	2,450		
4055 Timber Yield	-	-	0.12			
4060 Residual Dist	52,134	55,021	62,559	73,228		
4069 PT Facilities	24,049	25,053	25,757			
4801 Interest	61,168	77,640	115,075		32,340	
5000 I/G Revenues	-	216	377			
5050 Property Tax Relief	11,953	11,738	11,658			
Misc Income						
5805 Misc. Revenue	-	3,154	-	-		
5838 Insurance Proceeds/Rec	-	23,843	-	-		
7000 Miscellaneous Revenue	6,193	6,424	62,428			
Health Dept Funding		23,776	42,530			
Total Revenue	1,464,881	1,616,809	1,769,581		32,340	
Total Revenue estimated to receive				\$ 1,511,833		
			1,769,581			
CASH BALANCE						
County Cash Balance (10/31/19)			5,858,759			
Union Bank Balance (10/31/19)			225,045			
Cash Balance			6,083,804			

TULARE MOSQUITO ABATEMENT DISTRICT

FY 19/20 Budget

October 31, 2019

	<i>Appropriations</i>	<i>Expenditures</i>	<i>Remaining</i>
Salaries & Employees Benefits (1000)			
6001 Regular Salaries *	385,000.00	125,119.96	259,880.04
6004 Benefits			
Health Insurance	180,000.00	52,343.53	127,656.47
EDD Unemployment Insurance 6.2% X 7,000 of employees pay	5,048.00	73.96	4,974.04
EDD Disability Insurance 1.0% X of employees salary	5,500.00	1,893.22	3,606.78
EDD Employment Training Tax rate 0%	-		-
Life Insurance	1,452.00	403.96	1,048.04
6005 Extra Help	123,500.00	64,201.15	59,298.85
6008 Directors Fees	7,200.00	2,200.00	5,000.00
6011 Retirement PERS	51,000.00	13,534.26	37,465.74
Classic members 7.159% X Gross Salary			
New Public Employee Pension Reform Act (PEPRA) members (6.555% X Gross Pay)			
6012 Social Security (7.65% of employee pay)	45,000.00	14,591.28	30,408.72
6015 Workers' Compensation Insurance	35,000.00	25.43	34,974.57
	<u>838,700.00</u>	<u>274,386.75</u>	<u>564,313.25</u>
Services & Supplies (2000)			
7001 Agriculture	450,000.00	90,755.26	359,244.74
7005 Telecommunications	2,500.00	509.24	1,990.76
7009 Household Expense	5,000.00	742.74	4,257.26
7010 Insurance	50,000.00	47.50	49,952.50
7021 Maintenance of Equipment	105,000.00	23,528.66	81,471.34
7024 Maintenance - Bldg & Improvements	15,000.00	1,929.50	13,070.50
7027 Memberships	14,000.00	9,645.00	4,355.00
7036 Office Expense	13,500.00	3,941.55	9,558.45
7043 Professional & Special Expense	19,500.00	6,080.00	13,420.00
7059 Publications and Legal Notices	500.00	-	500.00
7061 Rents & Leases - Equipment	500.00	-	500.00
7062 Rent & Leases - Bldg & Improvements	12,500.00	3,096.00	9,404.00
7065 Small Tools & Instruments	2,500.00	-	2,500.00
7066 District Special Expense	25,000.00	585.41	24,414.59
7074 Transportation & Travel	20,000.00	1,050.99	18,949.01
7081 Utilities	7,000.00	1,572.39	5,427.61
	<u>742,500.00</u>	<u>143,484.24</u>	<u>599,015.76</u>
Other Charges (3000)			
7407 Contributions to other Agencies	2,500.00	-	2,500.00
7425 Taxes & Assessments	38,500.00	-	38,500.00
	<u>41,000.00</u>	<u>-</u>	<u>41,000.00</u>
Fixed Assets (8000-8300)			
Purchase of One Ton Replacement	40,000.00	-	40,000.00
	<u>40,000.00</u>	<u>-</u>	<u>40,000.00</u>
Working Budget	1,662,200.00	417,870.99	1,244,329.01
* Appropriation for Contingencies	249,330.00	-	249,330.00
Total Appropriations	1,911,530.00	417,870.99	1,493,659.01
** General Reserves	5,384,500.00		5,384,500.00
Reserve for Asphalt Removal & Replacement	125,000.00		125,000.00
Reserve for Emergency Incasive Aedes Outbreak	250,000.00		250,000.00
Reserve for Replacement of Vehicles/Tablets	200,000.00		200,000.00
Total Budget	7,871,030.00		7,453,159.01
Tulare County Account # 778 Balance	5,626,419.29		
Union Bank Account # 2740034408 Balance	225,044.66		
TMAD Current cash balance	5,851,463.95		

* 15% of our Working Budget (Tulare County permits us to carry 15% of our working budget as Appropriations for Contingencies)

** There is no requirement to fund General Reserves at any set amount to be in compliance

October 16, 2019

Mr. John Avila
General Manager
Tulare Mosquito Abatement District
6575 Dale Fry Rd.
Tulare, CA 93274

Re: Tulare Mosquito Abatement District ("District") GASB 75 Valuation

Dear Mr. Avila:

This report sets forth the results of our GASB 75 actuarial valuation of the District's retiree health insurance program as of July 1, 2018.

In June, 2015 the Governmental Accounting Standards Board (GASB) issued new accrual accounting standards for Other Postemployment Benefits (OPEB), GASB 74 and GASB 75. GASB 74/75 require public employers such as the District to perform periodic actuarial valuations to measure and disclose their OPEB liabilities for the financial statements of both the employer and the trust, if any, set aside to pre-fund these liabilities. Because the District has not established a qualifying trust, it is not subject to GASB 74. However, the District must obtain actuarial valuations of its retiree health insurance program under GASB 75 not less frequently than once every two years. GASB 75 will be implemented for the District's 2018-19 fiscal year.

Under GASB 75, the District will be required to carry the actuarial liability of its OPEB plan. The District's net liability for OPEB as of June 30, 2019 is \$1,216,776.

The District selected Pacific Crest Actuaries (PCA) to perform this actuarial valuation of the District's OPEB plan as of July 1, 2018, for the fiscal years ending June 30, 2019 and 2020. Our report is organized as follows:

- (1) Introduction and discussion; GASB 75 accounting and disclosures.
- (2) Information not relating to GASB 75 disclosures (begins on page 9).
- (3) Plan provisions, valuation data, actuarial assumptions, and certification.

We are available at (818) 718-1266 to answer any questions the District may have concerning the report.

Introduction and Discussion

We have determined that the present value of District-paid retiree health benefits is \$1,812,079 as of July 1, 2018. This represents the present value of all plan benefits expected to be paid by the District for its current and future retirees. If the District were to place this amount in a fund earning interest at the rate of 3.50% per year, and all other actuarial assumptions were exactly met, the fund would have exactly enough to pay all expected benefits. This number is given for informational purposes only and is not required to be included in the District's financial statement. This includes 5 active employees who may become eligible to retire and receive benefits in the future, and 6 retirees receiving District health benefits as of the valuation date.

When we apportion the \$1,812,079 into past service and future service components under the Entry Age, Level Percent of Pay Cost Method, the past service liability (or "Total OPEB Liability") component is \$1,202,567 as of July 1, 2018. This represents the present value of all benefits accrued through the valuation date assuming that each employee's liability is expensed from hire date until retirement date as a level percentage of pay. The \$1,202,567 is comprised of liabilities of \$500,248 for active employees and \$702,319 for retirees. Because the District has not established an irrevocable trust for the pre-funding of retiree healthcare benefits, the Net OPEB Liability is also \$1,202,567.

The "Annual Required Contributions", or ARC, formerly required by GASB 45, has no equivalent under GASB 75. We provide a discussion of recommended funding schedules beginning on page 9.

We have prepared the GASB 75 roll-forward to June 30, 2019 based on all available information as of the time this report is being published. A summary of the June 30, 2019 and 2018 results are shown below:

	Measurement Date	
	<u>6/30/2019</u>	<u>6/30/2018</u>
Present Value of Benefits		
Active employees	\$1,148,601	\$1,109,760
Retirees	<u>651,958</u>	<u>702,319</u>
Total Present Value of Benefits	\$1,800,559	\$1,812,079
Entry Age Accrued Liability		
Active employees	\$564,818	\$500,248
Retirees	<u>651,958</u>	<u>702,319</u>
Total OPEB Liability	\$1,216,776	\$1,202,567
Fiduciary Net Position (Trust Assets)	<u>(0)</u>	<u>(0)</u>
Net OPEB Liability	\$1,216,776	\$1,202,567
Service Cost as of Valuation Date		\$45,471

Summary of Results

The change in Tulare Mosquito Abatement District's Total OPEB Liability, Deferred Inflows and Deferred Outflows, and the Net Impact on Statement of Net Position, together with the OPEB Expense, are shown in the following table:

	Measurement Date	
	<u>6/30/2019</u>	<u>6/30/2018</u>
Total OPEB Liability/(Asset)	\$1,216,776	\$1,202,567
Deferred Inflows of Resources	0	0
Deferred Outflows of Resources	<u>(0)</u>	<u>(0)</u>
Net Impact on Statement of Net Position	\$1,216,776	\$1,202,567
OPEB Expense (\$ Amount)	\$87,863	
Covered Payroll	\$356,926	
OPEB Expense (% of Payroll)	24.62%	

For the measurement period ending June 30, 2019, the annual OPEB Expense is \$87,863, or 24.62% of covered payroll. This amount differs from the District's contribution (including implicit subsidy, if any) of \$73,654 in that it represents the change in the Net Impact on the Statement of Net Position plus employer contributions (\$1,216,776 - \$1,202,567 + \$73,654). A breakdown of the components of the annual OPEB Expense is shown on page 6 of the report.

This valuation should be used for the District's fiscal years ending June 30, 2019 and June 30, 2019. The June 30, 2020 disclosures should be based on a roll-forward of the results of this valuation. The roll-forward will involve actual, rather than expected, benefit payments, trust assets as of the statement date (if any), and possibly a change in discount rate, if conditions change sufficiently in the interim. Therefore, the projected June 30, 2020 numbers are not given in this report, but will be available on a complimentary basis from PCA at the time the District prepares its June 30, 2020 disclosures.

The information given in pages 4 through 8 of this report follows the wording and format of Illustration 4 of GASB 75 for plans not administered through a trust. Accordingly, the past tense is used in some cases where the period in question has not yet ended. Because the District has not contributed to a qualifying trust, the Fiduciary Net Position of the plan is \$0 and the Net OPEB Liability is by definition equal to the Total OPEB Liability.

The disclosure information contained in this report is based on all information currently available to us as of the June 30, 2019 measurement date.

Schedule of Changes in Total OPEB Liability
For the Year Ended June 30, 2019

The components of the Tulare Mosquito Abatement District's Total OPEB Liability as of June 30, 2019 were as follows:

Total OPEB Liability (TOL)

Service cost at beginning of year	\$45,471
Interest on TOL plus service cost, less 1/2 benefit payments	42,392
Changes of benefit terms	0
Difference between expected and actual experience	(0)
Changes of assumptions	0
Benefit payments, including implicit subsidy if any*	<u>(73,654)</u>
Net change in Total OPEB Liability	\$14,209
Total OPEB Liability - beginning	<u>1,202,567</u>
Total OPEB Liability - ending	\$1,216,776

* Benefit payments before adjustment for implicit subsidy were \$54,508.

**Schedule of Collective Deferred Inflows and Deferred Outflows
For the Year Ended June 30, 2019**

The current balances of collective deferred outflows and deferred inflows of resources as of June 30, 2019 were as follows:

	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Difference between expected and actual experience	\$0	\$0
Changes in assumptions	0	0
Net difference between projected and actual earnings on OPEB plan investments	<u>0</u>	<u>0</u>
Total	\$0	\$0

Amounts reported as deferred outflows and deferred inflows of resources will be recognized in OPEB expense as follows:

<u>Year ended June 30:</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
2020	\$0	\$0
2021	0	0
2022	0	0
2023	0	0
2024	0	0
2025	0	0
2026	0	0

These schedules are projected and are subject to revision as of June 30, 2020 for experience gains and losses between June 30, 2019 and June 30, 2020; specifically, benefit payments greater than or less than expected, and any required changes in discount rate. There were no gains or losses for experience different than assumed or changes in actuarial assumptions for 2019, due to use of actual age-adjusted 2018-19 benefit payments and a single discount rate for the year.

The average of expected remaining active and inactive service lives was 4.8753 as of the June 30, 2018 and June 30, 2019 measurement dates.

Annual OPEB Expense
For the Year Ended June 30, 2019

The annual OPEB Expense recognized by the Tulare Mosquito Abatement District can be calculated as the changes in the amounts reported on the Statement of Net Position that are not attributable to employer contributions. It is the change in Total OPEB Liability minus the changes in deferred outflows plus the changes in deferred inflows plus employer contributions.

The components of the annual OPEB Expense for the Tulare Mosquito Abatement District as of June 30, 2019 were as follows:

Total OPEB Liability as of June 30, 2018 (a)	\$1,202,567
Total OPEB Liability as of June 30, 2019 (b)	<u>1,216,776</u>
Change in Total OPEB Liability [(b)-(a)]	\$14,209
Change in Deferred Outflows	(0)
Change in Deferred Inflows	(0)
Employer Contributions*	<u>73,654</u>
OPEB Expense	<u>\$87,863</u>

*Actual pay-as-you-go, increased for implicit subsidy if any.

Total OPEB Liability

The District's Total OPEB Liability of \$1,216,776 was based on an actuarial valuation as of July 1, 2018 and a measurement date of June 30, 2019. For purposes of implementation of GASB 75, the Total OPEB Liability as of the beginning of the 2018-19 fiscal year, based on the same actuarial valuation but using a measurement date of June 30, 2018, was \$1,202,567. The results of the July 1, 2018 actuarial valuation were used to determine the Total OPEB Liability as of the June 30, 2018 measurement date, without adjustment.

Actuarial Assumptions. The Total OPEB Liability was determined using an actuarial valuation as of July 1, 2018, using the following actuarial assumptions:

Inflation	2.25%
Salary increases	3.00%, average, including inflation
Discount rate	3.50%, net of investment expense, including inflation
Healthcare cost trend rates	8.00% for 2018-19, decreasing to 5.00% for 2021-22 and after
Retirees' share of cost	Not applicable

The discount rate was based on the Bond Buyer 20-bond General Obligation Index.

Mortality rates were based on the RP-2014 Employee and Healthy Annuitant Mortality Tables for Males or Females, as appropriate, projected using a generational projection based on 100% of scale MP-2016 for years 2014 through 2029, 50% of MP-2016 for years 2030 through 2049, and 20% of MP-2016 for 2050 and thereafter.

All actuarial assumptions used in measuring the Total OPEB Liability are described beginning on page 15 of this report. The assumptions were based on plan experience through July 1, 2018. The actuarial cost method used for measuring the Total OPEB Liability for purposes of GASB 75 was Entry Age, Level Percent of Pay.

Total OPEB Liability (continued)

Sensitivity of the Total OPEB Liability to changes in the discount rate. The following presents the District's Total OPEB Liability as of June 30, 2019 calculated using the discount rate of 3.50%, as well as what the District's Total OPEB Liability would be if it were calculated using a discount rate that is 1 percentage point lower (2.50%) or 1 percentage point higher (4.50%) than the current rate:

	<u>1% Decrease (2.50%)</u>	<u>Current Rate (3.50%)</u>	<u>1% Increase (4.50%)</u>
Total OPEB Liability	\$1,385,020	\$1,216,776	\$1,078,764

Sensitivity of the Total OPEB Liability to changes in the healthcare trend rates. The following presents the District's Total OPEB Liability as of June 30, 2019, as well as what the District's Total OPEB Liability would be if it were calculated using healthcare trend rates that are 1 percentage point lower (7.0% grading down to 4.0%) or 1 percentage point higher (9.0% grading down to 6.0%) than the current healthcare cost trend rates. The numbers are identical for all three sets of trend rates because the District's contribution is limited to a dollar cap that is always met or exceeded:

	<u>1% Decrease (7.0% decreasing to 4.0%)</u>	<u>Current Rates (8.0% decreasing to 5.0%)</u>	<u>1% Increase (9.0% decreasing to 6.0%)</u>
Total OPEB Liability	\$1,063,401	\$1,216,776	\$1,406,285

Funding Schedules

There are many ways to approach the pre-funding of retiree healthcare benefits. In the *Financial Results* section, we determined the accrual expense for all District-paid benefits. The expense is an orderly methodology, developed by the GASB, to account for retiree healthcare benefits. However, the GASB 75 expense has no direct relation to amounts the District may set aside to pre-fund healthcare benefits.

The table on the next page provides the District with three alternative schedules for funding (as contrasted with expensing) retiree healthcare benefits. The schedules all assume that the retiree fund earns, or is otherwise credited with, 3.50% per annum on its investments, and that contributions and benefits are paid mid-year.

The schedules are:

1. A level contribution amount for the next 20 years.
2. A level percent of the Unfunded Accrued Liability.
3. A constant percentage increase (3%) for the next 20 years.

We provide these funding schedules to give the District a sense of the various alternatives available to it to pre-fund its retiree healthcare obligation. The three funding schedules are simply three different examples of how the District may choose to spread its costs.

By comparing the schedules, you can see the effect that early pre-funding has on the total amount the District will eventually have to pay. Because of investment earnings on fund assets, the earlier contributions are made, the less the District will have to pay in the long run. Of course, the advantages of pre-funding will have to be weighed against other uses of the money.

The table on the following page shows the required annual outlay under the pay-as-you-go method and each of the above schedules. **The three funding schedules all assume "pay-as-you-go" costs are paid from the retiree fund; therefore, the recommended contributions under these schedules are instead of, rather than in addition to, the pay-as-you-go costs.**

These numbers are computed on a closed group basis, assuming no new entrants, and using unadjusted premiums. We use unadjusted premiums for these funding schedules because we do not recommend that the District pre-fund for the full age-adjusted costs reflected in the GASB 75 liabilities shown in the first section of this report. If the District's premium structure changes in the future to explicitly charge retirees for the full actuarial cost of their benefits, this change will be offset by a lowering of the active employee rates (all else remaining equal), resulting in a direct reduction in District operating expenses on behalf of active employees from that point forward. For this reason among others, we believe that pre-funding of the full GASB liability would be redundant.

Tulare Mosquito Abatement District
Sample Funding Schedules (Closed Group)

Fiscal Year	Pay-as-you-go*	Level Contribution for 20 years	Level % of Unfunded Liability	Constant Percentage Increase
2018	\$54,508	\$115,720	\$339,585	\$89,082
2019	50,030	115,720	256,967	91,754
2020	56,505	115,720	196,138	94,507
2021	55,379	115,720	152,246	97,342
2022	58,875	115,720	119,989	100,262
2023	59,136	115,720	96,635	103,270
2024	61,786	115,720	79,477	106,368
2025	62,751	115,720	67,037	109,559
2026	60,325	115,720	57,887	112,846
2027	60,811	115,720	50,865	116,231
2028	61,758	115,720	45,633	119,718
2029	62,895	115,720	41,738	123,310
2030	63,885	115,720	38,825	127,009
2031	65,343	115,720	36,610	130,819
2032	67,781	115,720	34,929	134,744
2033	70,833	115,720	33,691	138,786
2034	73,741	115,720	32,795	142,950
2035	76,710	115,720	32,118	147,238
2036	72,833	115,720	31,583	151,655
2037	75,443	115,720	30,753	156,205
2038	78,716	0	30,074	0
2039	77,738	0	29,521	0
2040	82,876	0	28,828	0
2041	88,960	0	28,321	0
2042	95,131	0	27,952	0
2043	86,935	0	27,644	0
2044	89,659	0	26,769	0
2045	84,178	0	25,939	0
2046	84,943	0	24,832	0
2047	85,398	0	23,762	0
2048	80,023	0	22,701	0
2049	80,110	0	21,476	0
2050	80,019	0	20,306	0
2051	79,882	0	19,168	0
2052	79,282	0	18,048	0
2053	69,673	0	16,932	0
2054	68,969	0	15,671	0
2055	68,326	0	14,492	0
2060	64,693	0	9,281	0
2065	56,283	0	2,435	0
2070	41,081	0	510	0

*Projected pay-as-you-go adjusted for implicit subsidy is \$73,654 for 2018-19 and \$57,772 for 2019-20.

Actuarial Assumptions

In order to perform the valuation, the actuary must make certain assumptions regarding such items as rates of employee turnover, retirement, and mortality, as well as economic assumptions regarding healthcare inflation and interest rates. Our assumptions are based on a standard set of assumptions we have used for similar valuations, modified as appropriate for the District. For example, turnover rates are taken from a standard actuarial table, T-5, decreased by 20% at all ages. This matches the District's historic turnover patterns. Retirement rates were based on our best estimate of retirement patterns under the retiree health plan. Both assumptions should be reviewed in the next valuation to see if they are tracking well with experience.

The discount rate of 3.50% is based on our estimate of the Bond Buyer 20-bond General Obligation Index as of the June 30, 2019 measurement date. It is in accordance with our understanding of the guidelines for selection of this rate under GASB 75 for unfunded plans such as the District's. This index fluctuates constantly and final 2019-20 disclosures may need to be revised based on the index as of the June 30, 2020 statement date. The healthcare trend rates are based on our analysis of recent District experience and our knowledge of the general healthcare environment.

In determining the cost of covering early retirees (those under the age of 65), we used an age-adjusted claims cost matrix fitted to the PERS Choice premium applicable to active employees and early retirees. A complete description of the actuarial assumptions used in the valuation is set forth in the "Actuarial Assumptions" section.

Projected Annual Pay-as-you go Costs

As part of the valuation, we prepared a projection of the expected annual cost to the District to pay benefits on behalf of its retirees on a pay-as-you-go basis. These numbers are computed on a closed group basis, using unadjusted premiums, assume no new entrants, and are net of retiree contributions. Due to the extremely small size of the group, substantial variance from the projected amounts should be expected. Projected pay-as-you-go costs for selected years are as follows:

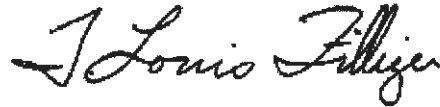
FYB	Pay-as-you-go
2018	\$54,508
2019	50,030
2020	56,505
2025	62,751
2030	63,885
2035	76,710
2040	82,876
2045	84,178
2050	80,019
2055	68,326
2060	64,693
2065	56,283
2070	41,081

Certification

The actuarial certification, including a caveat regarding limitations of scope, if any, is contained in the "Actuarial Certification" section at the end of the report.

We have enjoyed working with the District on this report, and are available to answer any questions you may have concerning any information contained herein.

Sincerely,
PACIFIC CREST ACTUARIES

A handwritten signature in black ink that reads "T. Louis Filliger". The signature is written in a cursive style with a large, stylized initial "T".

T. Louis Filliger, FSA, EA, MAAA
Actuary

Benefit Plan Provisions

Tulare Mosquito Abatement District offers integrated medical/prescription drug coverage through CalPERS under the Public Employees' Medical and Hospital Care Act (PEMHCA). The District offers the same medical plan (PERS Choice) to its retirees and surviving spouses as to its active employees, with the exception that once a retiree becomes eligible for Medicare he or she must join the PERS Choice Medicare Supplement, with Medicare becoming the primary payer. Dental, vision, and group-term life insurance benefits are also provided to employees of the District but are not extended to retirees.

Retiree Coverage

Employees become eligible to retire and receive District-paid healthcare benefits upon attaining eligibility to retire under CalPERS, that is, the later of attainment of age 50 (age 52 for PEPRAs employees) and 5 years of service. The District pays medical premiums (PERS Choice or PERS Choice Medicare Supplement) for the further lifetime of the retiree, including the cost of spousal and dependent child coverage, if elected, and continued coverage for surviving spouses receiving survivorship benefits under CalPERS.

Health Insurance Premiums

This valuation uses a 50-50 blend of PEMHCA premiums for calendar years 2018 and 2019. The following table shows monthly PERS Choice Health (PEMHCA) premiums for retirees within the "Other Southern California" Region for 2019:

	PERS Choice PPO
<u>Basic Plan</u>	
Retiree	\$721.11
Retiree + 1	1,442.22
Family	1,874.89
<u>Medicare Supplement</u>	
Retiree	\$360.41
Retiree + 1	720.82
Family	1,081.23

Valuation Data

Active and Retiree Census

Age distribution of retirees and surviving spouses included in the valuation

Age	Retirees	Surviving Spouses	Total
50-54	0	0	0
55-59	0	0	0
60-64	1	0	1
65-69	1	0	1
70-74	0	0	0
75-79	1	0	1
80-84	1	1	2
85-89	1	0	1
90+	<u>0</u>	<u>0</u>	<u>0</u>
Total	5	1	6
Average Age	75.00	81.00	76.00

Age/Years of service distribution of active employees included in the valuation

Years→	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35+	Total
<u>Age</u>									
<25	0								0
25-29	0	0							0
30-34	0	0	0						0
35-39	1	0	0	0					1
40-44	1	0	0	0	0				1
45-49	0	1	0	0	0	0			1
50-54	0	0	0	0	0	0	0		0
55-59	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	1	0	0	0	1
65+	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>
All Ages	2	2	0	0	1	0	0	0	5

Average Age 50.00
Average Service 7.40

Actuarial Assumptions

The liabilities set forth in this report are based on the actuarial assumptions described in this section.

Valuation Date:	July 1, 2018
Measurement Dates:	June 30, 2018 and June 30, 2019
Discount Rate:	3.50% per annum
Salary Increases:	3.0% per annum (for spreading of normal cost)
Pre-retirement Turnover:	According to Crocker-Sarason Table T-5 less mortality, decreased by 20% at all ages. Sample rates are as follows:

Age	Turnover (%)
25	6.2%
30	5.8
35	5.0
40	4.2
45	3.2
50	2.1
55	0.7

Pre-retirement Mortality: RP-2014 Employee Mortality, projected. Sample baseline deaths per 1,000 employees are as follows:

Age	Males	Females
25	0.48	0.17
30	0.45	0.22
35	0.52	0.29
40	0.63	0.40
45	0.97	0.66
50	1.69	1.10
55	2.79	1.67
60	4.69	2.44

Post-retirement Mortality: RP-2014 Healthy Annuitant Mortality, projected. Sample baseline deaths per 1,000 retirees are as follows:

Age	Males	Females
55	5.74	3.62
60	7.78	5.19
65	11.01	8.05
70	16.77	12.87
75	26.83	20.94
80	44.72	34.84
85	77.50	60.50
90	135.91	107.13

Actuarial Assumptions (Continued)
--

Annual Claim Cost per Retiree or Spouse:

Age	Medical/Rx
50	\$8,838
55	10,753
60	13,082
64	15,305
65+	4,238

Retirement Rates:

Age	Percent Retiring*
50-54	1.0%
55	2.0
56	3.0
57	4.0
58	6.0
59	8.0
60	12.0
61	20.0
62	21.0
63	22.0
64	25.0
65	25.0
66	25.0
67	25.0
68	25.0
69	25.0
70	100.0

*Of those having met the eligibility for retiree medical benefits. The percentage refers to the probability that an active employee reaching the stated age will retire within the following year.

Trend Rate:

Healthcare costs were assumed to increase according to the following schedule:

FYB	Medical/Rx
2018	8.00%
2019	7.00
2020	6.00
2021+	5.00

Percent of Retirees with Spouses:

Future Retirees: 60%; females assumed three years younger than males. Current Retirees: Actual spousal ages used.

**Actuarial Assumptions
(Continued)**

Percent Waiving Coverage:	0% of future retirees assumed to waive coverage.
Surviving Spouse Coverage:	50% of those future married retirees assumed to be covered. For current retirees this is based on their actual pension option as provided in the CalPERS data extract.
Mortality Projection:	Generational projection based on 100% of scale MP-2016 for years 2014 through 2029, 50% of MP-2016 for years 2030 through 2049, and 20% of MP-2016 for 2050 and thereafter.
"Cadillac Tax" under ACA:	Implementation assumed to be postponed indefinitely.
Retiree Contributions:	None assumed.
Disability retirements:	Handled by regular retirement rates - not separately valued.
Selection of discount rate:	Based on the Bond Buyer 20-bond General Obligation Index as of the June 30, 2019 measurement date.
Implicit Subsidy:	Retiree rates for medical/Rx are the same as those applicable to active employees, giving rise to an implicit subsidy which has been valued using a 4% age-adjustment factor (see claim cost table on previous page for sample age-adjusted costs.)

Actuarial Certification

The results set forth in this report are based on our actuarial valuation of the health and welfare benefit plans of the Tulare Mosquito Abatement District ("District") as of July 1, 2018.

The valuation was performed in accordance with generally accepted actuarial principles and practices. We relied on census data for active employees and retirees provided to us by the District in September, 2019. We also made use of claims, premium, expense, and enrollment data, and copies of relevant sections of healthcare documents provided to us by the District.

The assumptions used in performing the valuation, as summarized in this report, and the results based thereupon, represent our best estimate of the actuarial costs of the program under GASB 75, and the Actuarial Standards of Practice for measuring post-retirement healthcare benefits. We have used a graded version of mortality improvement scale MP-2016, consistent with our belief that MP-2016 is overly optimistic in its long-term projection of mortality rate improvements.

We refer to the "Net OPEB Liability" for an unfunded plan as equal to the Total OPEB Liability less assets, to treat an unfunded plan as being simply a special case of a funded plan where the assets are \$0. Because GASB 75 itself does not define a Net OPEB Liability for unfunded plans, this terminology has been used for the non-disclosure sections of the valuation report only, and should not be carried onto the District's financial statements.

Throughout the report, we have used unrounded numbers, because rounding and the reconciliation of the rounded results would add an additional, and in our opinion unnecessary, layer of complexity to the valuation process. By our publishing of unrounded results, no implication is made as to the degree of precision inherent in those results. Clients and their auditors should use their own judgment as to the desirability of rounding when transferring the results of this valuation report to the clients' financial statements.

The undersigned actuary meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained in this report.

Certified by:



T. Louis Filliger, FSA, EA, MAAA Date: 10/16/19
Actuary



MVCAC
Mosquito and Vector Control Association of California

#5

FALL QUARTERLY MEETING
Visalia Convention Center/Marriott

AGENDA

Tuesday October 29, 2019

- | | |
|-------------------------|--|
| 9:00-10:00 a.m. | CalSurv Committee
San Joaquin A |
| 10:00-11:00 a.m. | Regulatory Affairs & NPDES Committee Meeting
San Joaquin A |
| | Laboratory Technology Committee
San Joaquin B |
| 11:00-12:00 p.m. | Legislative Committee
San Joaquin A |
| 12:-00 noon – 1:00 p.m. | Lunch (on own) |
| 1:00 -2:00 p.m. | Training and Certification
San Joaquin A
Integrated Vector Management Committee
San Joaquin |
| 2:00-2:15 p.m. | Afternoon Break |
| 2:15 – 5:00 p.m. | MVCAC Board of Directors Meeting
San Joaquin CD |

Wednesday October 30, 2019

- | | |
|------------------|--|
| 8:00-9:00 a.m. | Information Technology Committee Meeting
San Joaquin C |
| | Vector & Vector-Borne Disease Committee Meeting
San Joaquin D |
| 9:00-10:00 a.m. | Public Relations Committee
San Joaquin C |
| | Vector Control Research Committee Meeting
San Joaquin D |
| 10:00-10:15 a.m. | Refreshment Break |
| 10:30-12:30 p.m. | Issues Management Training (light lunch provided)
San Joaquin C |



BOARD OF DIRECTORS MEETING - AGENDA

Tuesday October 29, 2019

2:15 – 5:00 PM

Visalia Marriott and Convention Center, Sequoia AB

Item

Attachment/Page

1. Call to order and roll call
2. Announcements
3. Approval of prior meeting minutes
 - 3.01 Minutes of the July 18, 2019 Page 3
4. Approval of additional agenda items*
5. President/Executive Committee Report
 - 5.01 Acceptance of 2020-2021 Officers*
 - 5.02 Acceptance of Award Recipient*
 - 5.03 Continued conversation on changes to policy handbook and mission statement
6. Executive Director/Staff Report
 - 6.01 Staff Report
 - 6.02 Meeting Locations update (Attachment) Page
 - 6.03 2020 Conference updates
 - 6.04 2022 Conference Location (Sacramento) discussion Page
7. Treasurer's Report (Attachments)*
 - 7.01 MVCAC Financial Statements as of August 30, 2019 Pages -
 - 7.02 NPDES Financial Statements as of August 30, 2019
 - 7.03 Investment Matrix as of August 30, 2019
 - 7.04 Audit report a a
 - 7.05 Credit Card Processing fees
8. Legal Report
9. Trustee Council Report Page 2

10. Committee Reports

Pages 24-36

- 10.01 Information Technology
- 10.02 Vector and Vector-Borne Disease
- 10.03 Public Relations
- 10.04 Legislative
- 10.05 Integrated Vector Management
- 10.06 NPDES/Regulatory Affairs/Trash Capture Devices
- 10.07 Training and Certification
- 10.08 Nominating
- 10.09 Vector Control Research
- 10.10 Lab Technologies
- 10.11 Reeves New Investigator Award
- 10.12 CalSurv Steering Committee

11. Reports from MVCAC Regions

- 11.01 Southern
- 11.02 South San Joaquin
- 11.03 North San Joaquin
- 11.04 Sacramento Valley
- 11.05 Coastal

Page 37

12. Reports from Other Agencies

- 12.01 DART
- 12.02 CDPH/VBDS
- 12.03 VCJPA
- 12.04 AMCA
- 12.05 CSDA

13. Old Business

- 13.01 Vector Borne Disease Network

14. New Business

- 14.01 Ethics and Harassment prevention trainings going forward
- 14.02 Utility Vaults

15. Additional Approved Agenda Items

16. Adjournment*

*Requires Action

BOARD OF DIRECTORS MEETING - MINUTES
July 19, 2019
Via Conference Call

The meeting was called to order at 9:03 AM by Jeremy Wittie, President

Board members Present:

Jeremy Wittie

Peter Bonkrude

Truc Dever

Donna Rutherford- Missing

Joel Buettner

Rhiannon Jones

Conlin Reis

Ken Klemme

Jared Dever

David Heft- Excused

Staff: Bob Achermann, Rachel Hickerson, Lisa Yarbrough, Brian White

Announcements

Jeremy thanked Megan Sebay for taking on the PR committee chair as Jill Oviatt has accepted a new job. Other announcements of staff movement included Wakoli is now the manager at East Side and Kelly Middleton and Angela Briscoe have both retired!

Approval of prior meeting minutes*

It was moved, seconded and approved (MSP) to accept the meeting minutes from spring meeting (Witte/T Dever)

Approval of additional agenda items*

Jeremy added the Attrition bill for Spring Meeting to additional agenda items

Truc added the First Amendment Audit her district experiences to additional agenda items

MSP to move these items to the agenda (Bonkrude/Reis)

President/Executive Committee Report

Conference pricing discussion- All regions had a chance to discuss the increased pricing for our annual conference and bring back the discussion to the meeting. After discussion, it was decided to go with the outlined "Moderate" pricing for everything BUT Tech and CDPH

MSP to accept the moderate pricing structure (Bonkrude/J Dever)

Discussion regarding the CDPH and technician rate then continued. It was decided to offer a blended rate of \$175 total but does not include the banquet

***It was moved and seconded, with a voice vote called for (Bonkrude/Buettner)
With the voice vote, all board members present voted yes.***

2020 Conference Initial discussion- Peter discussed the plans thus far. The general theme looks like this:

Overall Theme: Connecting Technology and Innovation to Operational Value

Sunday January 26th

11:00 am Munzy Golf Tournament
12:00pm Workshop
2:00pm-7:00pm Registration desk open
2:00pm- 5:30 pm Exhibitor Setup
5:00pm- 6:00pm Moderator training
6:00pm-8:00pm Welcome Reception

Monday January 27th

7:00-4:00pm Registration Desk Open
8:00-5:00pm Exhibitor Show Open
8:00-8:15am Welcome to MVCAC Bob Acherman
8:15am-8:30am President's Address
8:30-8:45am AMCA Update?
8:45-9:00am Leg/Reg Update- KP
9:00-10:00am Plenary Talk #1
10:00-10:15am Break
10:15-11:00am Plenary Talk #2
11:00-12:00pm Centers for Excellence Updates
12:00-12:30pm- Student Competition
12:30-2:00pm- Poster Lunch (lunch provided)
2:00-5:00pm Concurrent Session
 *Public Policy & Governance (workshop/roundtable?)-Leg/Reg (potential moderator: Rick, Conlin, Trustee Council)
 *Innovation and Discovery in Mosquito Control (potential moderator: Joel, Jodi Holeman)

Tuesday January 28th

8:00am-10:00am- Concurrent Session
 *Challenges and Opportunities in Vector Borne Diseases (non-mosquito) potential moderator: Laura Kruger, Mark Novak
 *Pesticide Resistance and Management (potential moderator: Eric Haas Stapleton, Nikos, Kerry)
10:00-10:30- Break
10:30-12:30- Concurrent Session
 *Community Engagement/Outreach (potential moderator: Megan Sebay, Levy Sun)
 *Operations and Technology (potential moderator: Joel, Jen Henke, Samer, Brian Weber, Jake Hartle)
12:30-2:00- Lunch (provided?)

2:00pm-5:00pm- Concurrent Session

*Operation and Technology (potential moderator: Joel, Jen Henke, Samer, Brian Weber, Jake Hartle)

*Mosquito Biology and Disease (potential moderator: Kelly Liberman, Angie Nakano)

6:00pm- President's Reception (one drink ticket)

7:00pm- 2019 MVCAC Awards Banquet

Wednesday January 29th

9:30am-11:30pm- Board Meeting

The discussion of 2 lunches given the area and making them a bit shorter was discussed, the group agreed both were good ideas. One lunch will be more grab and go for discount.

P&P and Mission Statement Update and Discussion- Jeremy has started on these and has asked for input from various members before showing to the membership. He expects to have something ready in time for the Fall meeting. A Mission statement and anti-harassment policy will be added to the P&P's as well.

Executive Director/Staff Report

Bob spoke about the Fiscal Status reports being out, and are out and dues are starting to come in. Working on Trash Capture Devices with the assistance of Peter.

Rachel spoke about meeting updates. We are going to look again for a spring meeting blended with leg day one more time to see if it is something that can work.

Treasurer's Report (Attachments) *

Discussion around the end of the year financials and having a surplus for the first time in a few years being a good thing. Merchant Fees have increased though as more districts are using their credit cards to pay for items. Staff will research this for Fall meeting to see if we need to include a processing fee on these items.

MSP to approve the treasurers report (T Dever/Jones)

Legal Report

No report

Trustee Council Report

Peter reported on a discussion he had with Donna. There is a survey for trustee council involvement and their annual conference interest for 2020

Committee Reports

Information Technology- Robert Ferdan

Integrated Vector Management – Jamie Scott

Lab Technologies - No report

Legislative – Conlin Reis

Public Relations - Megan Sebay

Training and Certification - No report

Vector and Vector-Borne Disease – Marcia Reed

Vector Control Research - No report

Nominating - Rhiannon Jones gave a report. Ken Klemme was nominated for to be our next Vice President.

NPDES/Regulatory Affairs/Trash Capture Devices – Jennifer Henke

Reeves New Investigator Award - Jamie Scott

CalSurv Steering Committee - Chris Barker

Reports from MVCAC Regions

Southern - Jared Dever

South San Joaquin - Conlin Reis

North San Joaquin - Rhiannon Jones

Sacramento Valley - Joel Buettner

Coastal - Ken Klemme

Reports from Other Agencies

DART (formerly CVEC) - Chris Barker

CDPH/VBDS - Vicki Kramer

VCJPA - Jared Dever

AMCA - Gary Goodman

CSDA - No report

Old Business

None

New Business

Vector Borne Disease network- Peter spoke about this new group that has been formed. Many other organizations have signed on including AMCA. Peter would like us to be a part of this network. Bob will reach out to gather more information regarding the network and report back to Executive Committee with full report done by Fall Quarterly that the membership can vote on.

MSP to further look into this group and potential involvement by MVCAC (Bonkrude/Wittie)

Additional Approved Agenda Items

2019 Spring Meeting Attrition Bill- The Citizen hotel bill was presented which included a large attrition bill. Discussion was centered around the change with the holiday and making sure that all the risk is discussed as well as looping in the full board instead of just the Executive Committee should this come up again. The group felt it would be good to have holiday calendars shared with the association to help keep off those dates in mind while we look at dates for our meetings. It was suggested to ask each district how many they plan on sending to each meeting, as they know these numbers a year out and may help offset some of the costs.

First Amendment Audit

Truc spoke about a recent visit to their district with public members barging into a district office in Greater Los Angeles and demanding they had the right due to the First Amendment. They

proclaimed to be a First Amendment Audit group and are working to get reactions from public agencies. Legal counsel has advised Greater LA to put up signs showing where the public areas are to ease any grey areas as anything office or private areas is trespassing. They do have the right to film in public areas and reminding staff to stay calm and cool is important as well.

Meeting adjourned at 12:00
MSP (Bonkrude/T Dever)

	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21
Summer	Visalia	Burbank	Santa Ana	Millipitas	Sacramento July 23	Santa Ana (July 21)	Conference Call (July 20)	Conference Call-July 21	Conference Call	
Fall	Lake Tahoe	Santa Ana	Santa Ana	Sacramento	San Diego (Oct 28-30)	San Diego (July 21)	Sacramento (10/31-1/2)	Palm Springs Nov 1-2		So Cal
Workshop	No Cal (Sac)	Millipitas	Sacramento	Ontario (De)	Sacramento (Dec 21)	Sacramento (Dec 1-2)				Emeryville
Annual	Burlingame	Sacramento	San Diego	Modesto	Sacramento (Feb 28-Mar 2)	San Diego Mar (26-29)		Burlingame Feb 2-5, 2019	San Diego 1/26-1/29	
Leg Day						Sacramento Feb (6-7)	Sacramento (March 6 & 7)	Sacramento	Sacramento	Sacramento
Spring	Walnut Creek	Ontario	Santa Rosa	Modesto (Ap 29- 30)	Newport Beach April 27-30)	Walnut Creek May (5-6)	Lake Tahoe Ap 26-27	Sacramento	Sacramento	

2022 MVCAC Annual Conference

Sacramento Convention Center and Sheraton Grand Hotel

February 7-9, 2022 (Monday Move in, Tue and Wed Conference, Thur Board meeting)

To note:

- Nothing in Sacramento available the last two weeks of January given two long-standing city-wide conferences
- Need to back up one day as there is another group that finishes up on Sunday, space not available
- We would be in the convention center with another group, California Police Chief Officers (their rooms would be at the Hyatt, ours at the Sheraton)
- We had outgrown the Hyatt our last time in Sacramento, there are no other larger hotels in Sacramento so we must utilize the Convention Center and a hotel
- AMCA is end of February 2022 in Jacksonville. So not a conflict either

Convention Center Proposal:

\$20,690 in Room Rental (\$9850.00 after rebate)

NO F&B Min

All meeting space other than banquet and Board meeting to be held here

*after rebate we are in line with the cost at Monterey Convention Center

Sheraton Grand Proposal:

NO Room Rental

\$11,000 in F&B min. ONLY hosting our banquet and Board meeting (we spend typically over \$20K on the banquet so this is not an issue)

3% rebate to the master to offset convention center rental

Comp suite for hospitality

Small per diem block for those needing it

\$209 Room rate

MVCAC
Profit & Loss Budget Performance
July through August 2019

	Jul - Aug 19	YTD Budget	\$ Over Budget	% of Budget	Annual Budget
Ordinary Income/Expense					
Income					
110.00 · Annual Meeting Income					
110.01 · Registrations	0.00	0.00	0.00	0.0%	100,000.00
110.02 · Sponsorships	0.00	0.00	0.00	0.0%	30,000.00
110.03 · Exhibitors	0.00	0.00	0.00	0.0%	30,000.00
110.05 · Annual Mtg Advertising	0.00	0.00	0.00	0.0%	2,500.00
110.06 · Conference Tournament	0.00	0.00	0.00	0.0%	3,700.00
110.08 · Workshop	0.00	0.00	0.00	0.0%	3,000.00
Total 110.00 · Annual Meeting Income	0.00	0.00	0.00	0.0%	169,200.00
120.00 · Publications Income					
120.01 · Pamphlets, Guides, Misc	0.00	100.00	-100.00	0.0%	100.00
120.03 · Postage	0.00	50.00	-50.00	0.0%	50.00
120.04 · Sales Tax	5.25	50.00	-44.75	10.5%	50.00
120.05 · Proceedings	0.00	0.00	0.00	0.0%	450.00
120.06 · Yearbook	60.00	50.00	10.00	120.0%	50.00
Total 120.00 · Publications Income	65.25	250.00	-184.75	26.1%	700.00
130.00 · Dues Income					
130.01 · Corporate Members	399,050.75	332,076.25	66,974.50	120.17%	487,000.00
130.02 · Sustaining Members	12,750.00	9,000.00	3,750.00	141.67%	25,000.00
130.03 · Associate Members	1,025.00	600.00	425.00	170.83%	2,500.00
130.04 · Affiliate Members	175.00	200.00	-25.00	87.5%	1,000.00
Total 130.00 · Dues Income	413,000.75	341,876.25	71,124.50	120.8%	515,500.00
140.00 · Advertising Income					
140.01 · Yearbook Advertising	0.00	1,500.00	-1,500.00	0.0%	1,500.00
Total 140.00 · Advertising Income	0.00	1,500.00	-1,500.00	0.0%	1,500.00
150.00 · Miscellaneous Income					
150.01 · Interest, Gain/Loss on Invest	2,369.33	166.70	2,202.63	1,421.31%	1,000.00
150.02 · HB Munns Fund	1,000.00	0.00	1,000.00	100.0%	1,000.00
Total 150.00 · Miscellaneous Income	3,369.33	166.70	3,202.63	2,021.19%	2,000.00
Total Income	416,435.33	343,792.95	72,642.38	121.13%	688,900.00
Gross Profit	416,435.33	343,792.95	72,642.38	121.13%	688,900.00
Expense					
210.00 · Annual Meeting Expense					
210.01 · Hotel Expenses	0.00	0.00	0.00	0.0%	105,000.00
210.02 · Supplies,shipping,printi	0.00	0.00	0.00	0.0%	6,500.00
210.03 · Reeves Award	0.00	0.00	0.00	0.0%	2,000.00
210.04 · Program Printing	0.00	0.00	0.00	0.0%	2,300.00
210.05 · Awards and Raffle Prizes	0.00	0.00	0.00	0.0%	1,200.00
210.06 · Banquet Program	0.00	0.00	0.00	0.0%	2,000.00
210.08 · Speaker Expenses	0.00	0.00	0.00	0.0%	3,200.00
210.09 · Conference Tournament	0.00	0.00	0.00	0.0%	2,700.00
210.11 · Exhibit Hall Set Up	0.00	0.00	0.00	0.0%	4,700.00

MVCAC
Profit & Loss Budget Performance
July through August 2019

	Jul - Aug 19	YTD Budget	\$ Over Budget	% of Budget	Annual Budget
210.12 · Trustee Training	0.00	0.00	0.00	0.0%	2,000.00
210.13 · Staff Travel	0.00	0.00	0.00	0.0%	5,500.00
210.14 · Audio Visual	0.00	0.00	0.00	0.0%	15,000.00
210.15 · Convention Workshop Expense	0.00	0.00	0.00	0.0%	3,000.00
Total 210.00 · Annual Meeting Expense	0.00	0.00	0.00	0.0%	155,100.00
220.00 · Continuing Education Expense					
220.01 · Production Costs	0.00	0.00	0.00	0.0%	500.00
Total 220.00 · Continuing Education Expense	0.00	0.00	0.00	0.0%	500.00
300.00 · Legal Expense					
300.01 · Requested Counsel	0.00	4,000.00	-4,000.00	0.0%	4,000.00
Total 300.00 · Legal Expense	0.00	4,000.00	-4,000.00	0.0%	4,000.00
400.00 · Legislative Program Expense					
400.01 · Advocate Contract	20,000.00	20,000.00	0.00	100.0%	120,000.00
400.05 · Printing, Awards, Misc	0.00	750.00	-750.00	0.0%	750.00
400.07 · Legislative Day	0.00	0.00	0.00	0.0%	8,000.00
400.08 · Legislative Outreach	325.00	0.00	325.00	100.0%	10,000.00
Total 400.00 · Legislative Program Expense	20,325.00	20,750.00	-425.00	97.95%	138,750.00
500.00 · Regulatory Program Expense					
500.01 · Regulatory Contract	10,000.00	10,000.00	0.00	100.0%	60,000.00
Total 500.00 · Regulatory Program Expense	10,000.00	10,000.00	0.00	100.0%	60,000.00
600.00 · Mgmt Services & Admin Exp					
600.01 · Management Contract	20,800.00	20,800.00	0.00	100.0%	124,800.00
600.015 · Communications & Public Relatio	10,000.00	10,000.00	0.00	100.0%	60,000.00
600.016 · PR Expenses	0.00	1,000.00	-1,000.00	0.0%	6,000.00
600.02 · Insurance	0.00	0.00	0.00	0.0%	4,000.00
600.03 · CC Trans./Bank Fees	3,125.24	933.37	2,191.87	334.83%	9,500.00
600.04 · Audit/Financial Review	108.00	7,800.00	-7,692.00	1.39%	9,500.00
600.05 · Telephone,Fax,& Internet	130.77	250.00	-119.23	52.31%	1,500.00
600.06 · Photocopies	159.30	250.00	-90.70	63.72%	1,500.00
600.10 · AMCA Sustaining Membersh	0.00	500.00	-500.00	0.0%	500.00
600.12 · State Filling Fees & Taxes	0.00	200.00	-200.00	0.0%	200.00
600.15 · Membership/Website	6,693.22	5,800.00	893.22	115.4%	9,000.00
600.16 · Postage	52.00	92.78	-40.78	56.05%	750.00
600.17 · Supplies	9.78	125.00	-115.22	7.82%	750.00
600.20 · Miscellaneous	0.00	0.00	0.00	0.0%	200.00
600.21 · Storage	211.91	283.30	-71.39	74.8%	1,700.00
Total 600.00 · Mgmt Services & Admin Exp	41,290.22	48,034.45	-6,744.23	85.96%	229,900.00
700.00 · Publications Expense					
700.01 · Annual Conf Proceedings	0.00	0.00	0.00	0.0%	7,200.00
700.02 · Annual Yearbook	0.00	0.00	0.00	0.0%	3,000.00
700.03 · Pamphlets, Guides, Misc	0.00	200.00	-200.00	0.0%	200.00
700.06 · Editor's Fee	0.00	0.00	0.00	0.0%	5,200.00
Total 700.00 · Publications Expense	0.00	200.00	-200.00	0.0%	15,600.00

MVCAC
Profit & Loss Budget Performance
July through August 2019

	Jul - Aug 19	YTD Budget	\$ Over Budget	% of Budget	Annual Budget
800.00 · BOD Mtg.&Workshop Exp (Combined)					
800.01 · Board & Workshop Exp					
800.07 · Committee Expenses	0.00	400.00	-400.00	0.0%	400.00
800.01 · Board & Workshop Exp - Other	0.00	2,000.00	-2,000.00	0.0%	2,000.00
Total 800.01 · Board & Workshop Exp	0.00	2,400.00	-2,400.00	0.0%	2,400.00
800.02 · Fall, Winter & Spring Meeting					
800.021 · AV	0.00	11,000.00	-11,000.00	0.0%	11,000.00
800.022 · Hotel (Room Rental and F&B)	0.00	26,000.00	-26,000.00	0.0%	26,000.00
800.024 · Staff Travel	0.00	6,500.00	-6,500.00	0.0%	6,500.00
Total 800.02 · Fall, Winter & Spring Meeting	0.00	43,500.00	-43,500.00	0.0%	43,500.00
Total 800.00 · BOD Mtg.&Workshop Exp (Combined)	0.00	45,900.00	-45,900.00	0.0%	45,900.00
900.00 · Special Projects Exp					
900.06 · PR Committee Booth	0.00	1,850.00	-1,850.00	0.0%	1,850.00
900.07 · CDPH Deadbird Line	0.00	33,000.00	-33,000.00	0.0%	33,000.00
Total 900.00 · Special Projects Exp	0.00	34,850.00	-34,850.00	0.0%	34,850.00
Total Expense	71,615.22	163,734.45	-92,119.23	43.74%	684,600.00
Net Ordinary Income	344,820.11	180,058.50	164,761.61	191.5%	4,300.00
Other Income/Expense					
Other Income					
170.00 · Surveillance Income					
170.01 · Mosquito Pool Tests	85,640.00	0.00	85,640.00	100.0%	0.00
Total 170.00 · Surveillance Income	85,640.00	0.00	85,640.00	100.0%	0.00
Total Other Income	85,640.00	0.00	85,640.00	100.0%	0.00
Other Expense					
270.00 · Surveillance Expense					
270.01 · UC Davis - Pools	94,600.00	0.00	94,600.00	100.0%	0.00
Total 270.00 · Surveillance Expense	94,600.00	0.00	94,600.00	100.0%	0.00
Total Other Expense	94,600.00	0.00	94,600.00	100.0%	0.00
Net Other Income	-8,960.00	0.00	-8,960.00	100.0%	0.00
Net Income	335,860.11	180,058.50	155,801.61	186.53%	4,300.00

MVCAC
Balance Sheet
 As of August 31, 2019

	Aug 31, 19
ASSETS	
Current Assets	
Checking/Savings	
RESERVES (UBS)	305,370.67
1004 · Checking (Umpqua Bank)	565,725.87
1005 · Money Market (Umpqua Bank)	5,011.84
Total Checking/Savings	876,108.38
Accounts Receivable	
1100 · Accounts Receivable	11,450.00
Total Accounts Receivable	11,450.00
Other Current Assets	
1150 · Prepaid Expenses-General	36,100.03
Total Other Current Assets	36,100.03
Total Current Assets	923,658.41
Fixed Assets	
1700 · Fixed Asset	
1710 · Website Redesign	6,675.00
1719 · Accumulated Amortization	-4,450.00
Total 1700 · Fixed Asset	2,225.00
Total Fixed Assets	2,225.00
TOTAL ASSETS	925,883.41
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · Accounts Payable	113,953.45
Total Accounts Payable	113,953.45
Total Current Liabilities	113,953.45
Total Liabilities	113,953.45
Equity	
3000 · Opening Bal Equity	383,568.08
3900 · Retained Earnings	96,116.77
Net Income	332,245.11
Total Equity	811,929.96
TOTAL LIABILITIES & EQUITY	925,883.41

MVCAC
Profit & Loss
 July through August 2019

	Jul - Aug 19
Ordinary Income/Expense	
Income	
120.00 · Publications Income	
120.04 · Sales Tax	5.25
120.06 · Yearbook	60.00
Total 120.00 · Publications Income	65.25
130.00 · Dues Income	
130.01 · Corporate Members	399,050.75
130.02 · Sustaining Members	12,750.00
130.03 · Associate Members	1,025.00
130.04 · Affiliate Members	175.00
Total 130.00 · Dues Income	413,000.75
150.00 · Miscellaneous Income	
150.01 · Interest, Gain/Loss on Invest	2,369.33
150.02 · HB Munns Fund	1,000.00
Total 150.00 · Miscellaneous Income	3,369.33
Total Income	416,435.33
Gross Profit	416,435.33
Expense	
210.00 · Annual Meeting Expense	
210.02 · Supplies,shipping,printi	515.00
210.00 · Annual Meeting Expense - Other	13,500.00
Total 210.00 · Annual Meeting Expense	14,015.00
400.00 · Legislative Program Expense	
400.01 · Advocate Contract	20,000.00
400.08 · Legislative Outreach	325.00
Total 400.00 · Legislative Program Expense	20,325.00
500.00 · Regulatory Program Expense	
500.01 · Regulatory Contract	10,000.00
Total 500.00 · Regulatory Program Expense	10,000.00
600.00 · Mgmt Services & Admin Exp	
600.01 · Management Contract	10,400.00
600.015 · Communications & Public Relatio	10,000.00
600.03 · CC Trans./Bank Fees	3,125.24
600.04 · Audit/Financial Review	108.00
600.05 · Telephone,Fax,& Internet	130.77
600.06 · Photocopies	159.30
600.15 · Membership/Website	6,693.22
600.16 · Postage	52.00
600.17 · Supplies	9.78
600.21 · Storage	211.91
Total 600.00 · Mgmt Services & Admin Exp	30,890.22
Total Expense	75,230.22
Net Ordinary Income	341,205.11
Other Income/Expense	
Other Income	
170.00 · Surveillance Income	
170.01 · Mosquito Pool Tests	85,640.00
Total 170.00 · Surveillance Income	85,640.00
Total Other Income	85,640.00

MVCAC
Profit & Loss
July through August 2019

	<u>Jul - Aug 19</u>
Other Expense	
270.00 · Surveillance Expense	
270.01 · UC Davis - Pools	<u>94,600.00</u>
Total 270.00 · Surveillance Expense	<u>94,600.00</u>
Total Other Expense	<u>94,600.00</u>
Net Other Income	<u>-8,960.00</u>
Net Income	<u><u>332,245.11</u></u>

MVCAC
Balance Sheet
 As of August 31, 2019

	Aug 31, 19
ASSETS	
Current Assets	
Checking/Savings	
RESERVES (UBS)	305,370.67
1004 · Checking (Umpqua Bank)	565,725.87
1005 · Money Market (Umpqua Bank)	5,011.84
Total Checking/Savings	876,108.38
Accounts Receivable	
1100 · Accounts Receivable	11,450.00
Total Accounts Receivable	11,450.00
Other Current Assets	
1150 · Prepaid Expenses-General	36,100.03
Total Other Current Assets	36,100.03
Total Current Assets	923,658.41
Fixed Assets	
1700 · Fixed Asset	
1710 · Website Redesign	6,675.00
1719 · Accumulated Amortization	-4,450.00
Total 1700 · Fixed Asset	2,225.00
Total Fixed Assets	2,225.00
TOTAL ASSETS	925,883.41
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · Accounts Payable	113,953.45
Total Accounts Payable	113,953.45
Total Current Liabilities	113,953.45
Total Liabilities	113,953.45
Equity	
3000 · Opening Bal Equity	383,568.08
3900 · Retained Earnings	96,116.77
Net Income	332,245.11
Total Equity	811,929.96
TOTAL LIABILITIES & EQUITY	925,883.41

MVCAC
Profit & Loss
 July through August 2019

	Jul - Aug 19
Ordinary Income/Expense	
Income	
120.00 · Publications Income	
120.04 · Sales Tax	5.25
120.06 · Yearbook	60.00
Total 120.00 · Publications Income	65.25
130.00 · Dues Income	
130.01 · Corporate Members	399,050.75
130.02 · Sustaining Members	12,750.00
130.03 · Associate Members	1,025.00
130.04 · Affiliate Members	175.00
Total 130.00 · Dues Income	413,000.75
150.00 · Miscellaneous Income	
150.01 · Interest, Gain/Loss on Invest	2,369.33
150.02 · HB Munns Fund	1,000.00
Total 150.00 · Miscellaneous Income	3,369.33
Total Income	416,435.33
Gross Profit	416,435.33
Expense	
210.00 · Annual Meeting Expense	
210.02 · Supplies,shipping,printl	515.00
210.00 · Annual Meeting Expense - Other	13,500.00
Total 210.00 · Annual Meeting Expense	14,015.00
400.00 · Legislative Program Expense	
400.01 · Advocate Contract	20,000.00
400.08 · Legislative Outreach	325.00
Total 400.00 · Legislative Program Expense	20,325.00
500.00 · Regulatory Program Expense	
500.01 · Regulatory Contract	10,000.00
Total 500.00 · Regulatory Program Expense	10,000.00
600.00 · Mgmt Services & Admin Exp	
600.01 · Management Contract	10,400.00
600.015 · Communications & Public Relatio	10,000.00
600.03 · CC Trans./Bank Fees	3,125.24
600.04 · Audit/Financial Review	108.00
600.05 · Telephone,Fax,& Internet	130.77
600.06 · Photocopies	159.30
600.15 · Membership/Website	6,693.22
600.16 · Postage	52.00
600.17 · Supplies	9.78
600.21 · Storage	211.91
Total 600.00 · Mgmt Services & Admin Exp	30,890.22
Total Expense	75,230.22
Net Ordinary Income	341,205.11
Other Income/Expense	
Other Income	
170.00 · Surveillance Income	
170.01 · Mosquito Pool Tests	85,640.00
Total 170.00 · Surveillance Income	85,640.00
Total Other Income	85,640.00

12:16 PM
10/08/19
Accrual Basis

MVCAC
Profit & Loss
July through August 2019

	<u>Jul - Aug 19</u>
Other Expense	
270.00 · Surveillance Expense	
270.01 · UC Davis - Pools	<u>94,600.00</u>
Total 270.00 · Surveillance Expense	<u>94,600.00</u>
Total Other Expense	<u>94,600.00</u>
Net Other Income	<u>-8,960.00</u>
Net Income	<u><u>332,245.11</u></u>

Investment Matrix

As of Date: 7/31/2019

Institution	Amount	Rate	Trade Date	Maturity	Years Held	Matures in Years	Annual Yield	Yield through Maturity	Notes
UBS - Cash	\$ 676		NA	NA	-	NA	\$ -	\$0	
UBS - Accrued Interest	\$ 2,114	0.00%	NA	NA	-	NA	\$ -	\$0	
American Express Cent UT US	\$ 50,023	2.25%	3/17/2015	11/29/2019	4.5	4.50	\$ 1,125.51	\$5,065	
Synchrony Bank	\$ 50,048	2.00%	3/16/2015	3/20/2020	5.0	5.00	\$ 1,000.95	\$5,005	
American Express C UT US	\$ 50,252	2.29%	11/16/2015	11/18/2020	5.0	5.00	\$ 1,150.76	\$5,754	
Goldman Sachs Bank	\$ 50,243	1.94%	2/11/2016	11/18/2020	4.5	4.50	\$ 974.70	\$4,385	
Goldman Sachs Bank	\$ 51,079	2.79%	2/11/2016	10/5/2021	5.5	5.50	\$ 1,425.09	\$7,838	
Sallie Mae Bank UT US	\$ 50,939	2.50%	5/1/2019	5/2/2022	4.0	4.00	\$ 1,273.46	\$5,094	
Totals	\$ 305,371						\$	\$ 33,141	
Yield through Maturity	\$ 33,141								
Future Total	\$ 338,512								

Trustee Council Report

The Trustee Council lost our member, Tom Anderson, he passed away May 2019. Tom was a trustee on the Butte County MVCD and Representative for the Sacramento Valley Region. He developed the Trustee Council Survey and was able to send it out to his region. I am happy to report we received some responses to the surveys.

I will report the results hopefully at the Annual Conference.



Mosquito and Vector Control Association of California
October 2019 Committee Action Plan Report to the Board of Directors
Training & Certification

1. **2019 Charge: Produce original content and secure approval of existing content to provide a sufficient number of webinars to compliment lives sessions to complete CEU training requirements.**
 - a. Action steps: Begin planning 2019-21 cycle units
 - b. Resources needed: volunteer webinar speakers as needed
 - c. Potential Challenges: Nothing significant at this time
 - d. Timeline: June 2021
 - e. Status: CE classes begging in October / Identifying webinars from outside agencies as well as identifying MVCAC sponsored topics for webinars.

2. **2019 Charge: In conjunction with CDPH, evaluate current CE Guidelines and identify potential changes to increase regional training efficiencies.**
 - a. Action steps: The New live-unit requirement will be 6 hours; 2-A, 2-B, 1-C, 1-D.
 - b. Resources needed: None
 - c. Potential Challenges: None at this time
 - d. Timeline: June 2021
 - e. Status: Complete

3. **Standing Charge: Coordinate the Association’s program of regional continuing education and statewide webinar development, maintaining expected training standards.**
 - a. Action steps: Continue activities throughout the cycles.
 - b. Resources needed: None at this time
 - c. Potential Challenges: None at this time
 - d. Timeline: Ongoing
 - e. Status: Ongoing

4. **Review submitted training curricula and recommend approval to CDPH representative.**
 - a. Action steps: Will be completed on a Regional basis
 - b. Resources needed: None
 - c. Potential Challenges: None
 - d. Timeline: Yearly
 - e. Status: Ongoing

Committee members:

Member	District	Position	Joined Committee	Email
Daniel Wilson	Alameda County	Community Relations Coordinator		Daniel.wilson@acgov.org
Michael Niemela	CDPH	Biologist		Michael.niemela@cdph.ca.gov
Katherine Ramirez	Consolidated	Science Education Director		kramirez@mosquitobuzz.net
Amanda Bradford	Sutter/Yuba	Entomologist		Amanda.synvcd@gmail.com
Eric Ballejos	Northwest	Public Information and Technology Officer		eballejos@northwestmvcd.org
John Fritz	San Joaquin	Asst. Manager		jfritz@sjmosquito.org



**Mosquito and Vector Control Association of California
March 2019 Committee Action Plan Report to the Board of Directors**

Information Technology Committee

- 1. Continued (2018) development of Visual Gateway project with educational training for agencies in collaboration with DART.**
 - a. Action steps: **Work with DART on Training as the Visual gateway progresses**
 - b. Resources needed: **None**
 - c. Potential Challenges: **None**
 - d. Timeline: **Continuous**
 - e. Status: **Continuous**

- 2. Create information sharing forums for all districts to learn about Enterprise level Hardware, Software and Security.**
 - a. Action steps: **Create Brown Bag meetings with Enterprise level Vendors**
 - b. Resources needed: **Several Hours**
 - c. Potential Challenges: **Attendance**
 - d. Timeline: **Done**
 - e. Status: **Completed**

- 3. Create and maintain partnership with MISAC & MS-ISAC (Municipal Information Systems Association of California).**
 - a. Action steps: **Sign up and become more informed**
 - b. Resources needed: **None**
 - c. Potential Challenges: **None**
 - d. Timeline: **2019**
 - e. Status: **In Progress**

- 4. Continue (2018) Outreach to member agencies to educate and connect staff that support technology for information security best practices and other topics.**
 - a. Action steps: **Discuss best practices**
 - b. Resources needed: **Participation**
 - c. Potential Challenges: **None**
 - d. Timeline: **2019**
 - e. Status: **Continuous**

- 5. Continue IT survey (2018), discuss and report actionable items**
 - a. Action steps: **Publish Results**
 - b. Resources needed: **Time**
 - c. Potential Challenges: **None**
 - d. Timeline: **Done**
 - e. Status: **Completed**

- 6. Serve as a resource for issues related to information and technology that may affect member agencies and/or the MVCAC**
 - a. Action steps: **Inform members of the MVCAC of IT resources available to them including MISAC**
 - b. Resources needed: **None**
 - c. Potential Challenges: **None**
 - d. Timeline: **Continuous**
 - e. Status: **Continuous**

7. Provide A/V support for the MVCAC Annual Conference

- a. Action steps: **As Needed**
- b. Resources needed: **Attendance**
- c. Potential Challenges: **Attendance**
- d. Timeline: **Continuous**
- e. Status: **Continuous**

Committee members:

Member	District	Position	Joined Committee	Email
Brian Reisinger	<u>West Valley MVCD</u>	Community Outreach	TBD	bir@wvmvcd.org
Dan Fisher	<u>Sacramento-Yolo MVCD</u>	IT Administrator	TBD	dfisher@fightthebite.net
Dave Heft	<u>Turlock MAD</u>	District Manager	TBD	dheft@turlockmosquito.com
Ed Prendez	<u>Coachella Valley MVCD</u>	Information Technology Manager	TBD	EPrendez@cvmvcd.org
Mark Dyng	<u>Delta VCD</u>	Systems Administrator	2019	mark@deltavcd.com
Julia Laciste	<u>Fresno MVCD</u>	Office Manager	2019	julia@fresnomosquito.org
Kiet Nguyen, Luan Ngo	<u>Orange County Mosquito and Vector Control District</u>	Assistant Vector Ecologist	TBD	knnguyen@ocvector.org
Mark Daniel	<u>Greater LA County VCD</u>	Director of Operations	TBD	mdaniel@glacvcd.org
Peter Bonkrude	<u>Shasta MVCD</u>	District Manager	TBD	pbonkrude@shastamosquito.org
Robert Ferdan	<u>Alameda County MAD</u>	IT Director	2017	robert@mosquitoes.org
Jody Simpson	<u>UCDAVIS</u>	Lead Programmer	TBD	jksimpson@ucdavis.edu
Michael Tran	<u>Santa Clara County VCD</u>	Information System Analyst	2019	michael.tran@cep.sccgov.org
Aaron Ho	<u>Santa Clara County VCD</u>	Information System Manager	2019	aaron.ho@cep.sccgov.org
Babak Ebrahimi, MSPH, PhD	<u>Santa Clara County VCD</u>	Assistant Manager	2019	babak.ebrahimi@cep.sccgov.org



Mosquito and Vector Control Association of California
2019 Committee Action Plan Report to the Board of Directors
Vector Vector-Borne Disease Committee
Fall 2019 Update

1. **Standing Charge:** Review and present new information on vectors and vector-borne diseases of interest to the MVCAC and make recommendations for their surveillance and control.
 - a. Action steps: updates given at spring and fall committee meetings
 - b. Resources needed: none, committee members present
 - c. Potential Challenges: new issues as they arise
 - d. Timeline: updates at the spring and fall meetings
 - e. Status: ongoing

2. **Standing Charge:** In cooperation with Laboratory Technologies Committee, develop long term plans and agreements among DPH, UC Davis and MVCAC to ensure continuation of statewide surveillance program and appropriate diagnostics.
 - a. Action steps: updates given at spring and fall committee meetings
 - b. Resources needed: none, committee members present
 - c. Potential Challenges: new issues as they arise
 - d. Timeline: updates at the spring and fall meetings
 - e. Status: ongoing

3. **Standing Charge:** Monitor and report on vector-borne diseases in California.
 - a. Action steps: updates given at spring and fall committee meetings
 - b. Resources needed: none, committee members present
 - c. Potential Challenges: new issues as they arise
 - d. Timeline: updates at the spring and fall meetings
 - e. Status: ongoing

4. **2019 Charge:** Develop comprehensive Emerging Vector-borne Disease Response Plan to control and contain potential outbreaks of dengue, chikungunya or Zika virus. Include in this plan details as to control techniques and recommended equipment, control products, etc...
 - a. Action steps: committee members need to continue to forward District response plans to the committee, and those volunteering to write sections need to do so.
 - b. Resources needed: more plans to be forwarded to the committee
 - c. Potential Challenges: time to write plans, hopefully winter will provide time
 - d. Timeline: at this fall meeting confirm individuals who are writing each section of the plan, then have a draft plan ready by the spring committee meeting
 - e. Status: in progress, Mir has completed a draft of the pre-detection surveillance section. It will be reviewed at the committee meeting.

Committee members:

Member	District	Position	Joined Committee	Email
Marcia Reed	Sac-Yolo MVCD	Laboratory Director		mreed@fightthebite.net
Chris Barker, PhD	UC Davis	Assistant Adjunct Professor		cmbarker@ucdavis.edu
Lark Coffey, PhD	UC Davis	Assistant Professor		lcoffey@ucdavis.edu
Bruce F. Eldridge, PhD	UC Davis	Emeritus Professor		bfeldridge@ucdavis.edu
Tina Feiszli, MSPH	CDPH	Senior Public Health Biologist		Tina.Feiszli@cdph.ca.gov
Susanne Klueh, PhD	Greater LA County VCD	Director of Scientific-Technical Services		sklueh@glacvcd.org
Angie Nakano	San Mateo MVCD	Laboratory Director		anakano@smcmvcd.org
Monica Patterson	Turlock MAD	Vector Ecologist		mpatterson@turlockmosquito.com
William K. Reisen, PhD	UC Davis	Research Entomologist and Professor		arbo123@pacbell.net
Steven Schutz, PhD	Contra Costa MVCD	Scientific Programs Manager		sschutz@ccmvcd.net
Jamesina Scott, PhD	Lake County VCD	District Manager/Research Director		jjscott@LCVCD.org
Mary Sorensen, PhD	Placer MVCD	Entomologist		marys@placermosquito.org
Steven T. Su, PhD	West Valley MVCD	Vector Ecologist		tsu@wvmvcd.org
Kim Hung, PhD	Coachella Valley MVCD	Vector Ecologist		khung@ccmvcd.com
Mir Bear-Johnson, MS	Delta VCD	Scientific Program Manager		mirbearjohnson@deltavcd.com



Mosquito and Vector Control Association of California
October 2019 Committee Action Plan Report to the Board of Directors
Public Relations Committee

2019 Charges

Charge 1: Develop and roll out a third party outreach strategy including speaking and exhibiting opportunities at relevant conferences, providing content to industry partners for newsletters and social media, and identifying, recruiting, and training spokespersons and subject matter experts for issues related to MVCAC.

Conferences

Subcommittee: Lisa Yarbrough (Lead), Nizza Sequeira, Lora Young, Luz Robles, Aaron Devencenzi, Rachel Hickerson

- a. **Action steps:** Lisa Yarbrough (KP Public Affairs) updated list of potential conferences for 2019-2020; PR Committee reviewed conference list and made suggestions for participation; PR Committee working with MVCAC agencies to pursue speaking opportunities and availability to staff booths at conferences.
- b. **Resources needed:** Speakers, district staff to work the booth, collateral materials.
- c. **Potential Challenges:** Local districts' ability to offer employees to staff booth for entire conference.
- d. **Timeline:** Deadlines vary depending on conference dates and requirements
- e. **Status:**
 - **California Stormwater Quality Association:** MVCAC is registered to be an exhibitor at the CASQA conference on October 7-9 in Monterey. Amanda Poulsen and Paul Binding (Santa Cruz County MVCD), Ken Klemme (Monterey County MAD) and Mark Hall (GLACVCD) will be staffing the booth. SCCMVCD has been selected as an alternate speaker. KP handled event logistics and mailed all of the booth materials for this event.
 - **National Association of Residential Property Managers:** Jeremy Wittie (CVMVCD) is submitting a speaker abstract (due October 31) for the NARPM California conference which is February 19-21, 2020 in Palm Springs; Jeremy determining if his district can staff an exhibitor booth.
 - **California Park & Recreation Society:** Mark Daniel (GLACVCD) has been selected as a speaker at the conference which will be on March 11-12, 2020 in Long Beach. MVCAC is registered to be an exhibitor and Anais Medina-Diaz (GLACVCD) will be staffing the booth.
 - **Ag Day:** KP will register for Ag Day in Sacramento which is typically in March.
 - **UC Master Gardeners:** KP submitted Aaron Devencenzi (San Joaquin MVCD) as a potential speaker and is getting information about exhibitor opportunities. Conference will be held September 28 - October 2, 2020 in Lake Tahoe.

Speakers Bureau

Subcommittee: Luz Rodriguez (Lead), Dan Wilson, Erika Castillo, Nizza Sequeira

No updates to report.

Outreach to California Association of Nurseries:

Subcommittee: Erika Castillo (Lead), Luz Robles, Pablo Cabrera, Nizza Sequeira

- a. **Action steps:** Place approved flyer on the MVCAC website; work with local nurseries to share the flyer; leave an empty space for local phone number for local District; distribute flyer through Garden Clubs and UC Extension.
- b. **Resources needed:** Designer time; PR Committee member time to distribute to channels

- c. **Potential Challenges:** none
- d. **Timeline:** Erika Castillo (Alameda County) worked with designer to update documents and add to website by mid-May; subcommittee working on distribution plan implementation.
- e. **Status:** Documents completed; distribution plan in progress

Charge 2: Finalize and roll out Issues Management Communications Plan to provide guidelines that assist individual districts and the MVCAC when mosquito and vector related issues arise.

Subcommittee: Megan Sebay (Lead), Anais Medina Diaz, Erika Castillo, Lisa Yarbrough

- a. **Action steps:** Lisa Yarbrough and Megan Sebay finalized plan, printed copies and prepared powerpoint presentation for training at the fall board meeting. AMG to post plan on website.
- b. **Resources needed:** Printing paper and binders
- c. **Potential Challenges:** None foreseen
- d. **Timeline:** Hold issues management training for district managers, PIOs and communications staff at fall board meeting.
- e. **Status:**

Charge 3: Develop best practices for invasive Aedes outreach for pre- and post-detection in collaboration with the Integrated Vector Management and Vector & Vectorborne Disease Committees.

Subcommittee: Lora Young (Lead), Allison Bray, Mary Joy Coburn, Megan Sebay, Nizza Sequeria

No updates to report.

Charge 4: Develop white paper on importance of Integrated Vector Management in collaboration with Legislative and IVM Committees.

Working Group: Lisa Yarbrough (Lead), Conlin Reis, Lora Young, Lisa Yarbrough, Jamie Scott

- a. **Action steps:** Lisa Yarbrough, Lora Young, and Megan finalizing text of IVM whitepaper and fact sheet. Conlin Reis and Jamie Scott to review before graphic design stage.
- b. **Resources needed:** Graphic design and printing
- c. **Potential Challenges:** None
- d. **Timeline:** Subcommittee will finalize documents and the Board will review it prior to being printed.
- e. **Status:** In editing

Charge 5: Oversee the development and implementation of statewide survey to measure population's understanding and perception of mosquito control and develop a strategy to address any misconceptions and pursue opportunities.

Subcommittee: Megan Sebay (Lead)

- a. **Action steps:** Compiled recommendations based on findings from statewide survey and distributed to PIOs and District Managers.
- b. **Resources needed:** None
- c. **Potential Challenges:** None
- d. **Timeline:** Completed
- e. **Status:** Completed

Charge 1: Work with MVCAC leaders and administrators to promote community partnerships and encourage cooperative ventures to benefit vector control, public health, and the environment.

Pacific Southwest Center of Excellence in Vector-Borne Diseases PR strategy:

Subcommittee: Luz Rodriguez (Lead), Anais Medina Diaz, Luz Rodriguez, Allyx Nicolici
No updates to report.

CalSurv Gateway Steering Committee:

Nola Woods was appointed the PR Committee member.

No updates to report.

Charge 2: Promote MVCAC and assist leaders, administration, and members with media outreach, educational and informational materials, publications, and other outreach methods and communication efforts, including social media.

a. Action steps:

- KP and PR committee worked with Assemblymember Bill Quirk on an opinion editorial about the importance of mosquito control and prevention that ran in the East Bay Times on July 24, 2019.
- KP handles media inquiries, drafts talking points and prepares spokespeople – recent story includes California Healthline article about spread of invasive mosquitoes that also ran in the San Francisco Chronicle and Desert Sun
- Provided quotes regarding Governor’s action (signature or veto) on AB 320 to Assemblymember Quirk’s office for press release
- Reviewed and edited article about CalSurv for NASA’s website (story has not run yet)

b. Resources needed: None

c. Potential Challenges: None

d. Timeline: Ongoing

e. Status: MVCAC to promote Assm. Quirk’s press release on AB 320

Charge 3: In cooperation with the Legislative Committee, KP and AMG, assist in preparation for MVCAC’s annual Legislative Day, and other legislative and regulatory affairs efforts.

a. Action steps: 1) Lisa Yarbrough (KP), PR and Leg committee to update talking points and fact sheets for Leg packets; facilitate training for leg meetings

b. Resources needed: None

c. Potential Challenges: None

d. Timeline: Leading up to Leg Day 2020

e. Status: Will take place early 2020

Charge 4: Provide materials and assist in implementing the California Mosquito Awareness Week media campaign in April 2020 and National Mosquito Awareness Week in June 2020.

California MAW:

a. Action steps: Draft news release, develop social media plan, and distribute to membership and media. Secure quote from author of legislative resolution and work with their office to promote MAW

b. Resources needed: PR Committee and KP Public Affairs time.

c. Potential Challenges: None

d. Timeline: Prepare materials in March/April 2020

e. Status: Distribute materials in April 2020

National MAW:

a. Action steps: Draft news release, develop social media plan, distribute to membership and media.

- b. **Resources needed:** PR Committee and KP Public Affairs time.
- c. **Potential Challenges:** None
- d. **Timeline:** Prepare materials in May/June 2020
- e. **Status:** Distribute materials in June 2020

Charge 5: Provide editing of content and guidance on website content management for MVCAC website.

MVCAC Website Editorial Team:

Subcommittee: Megan Sebay, Conlin Reis, Luz Rodriguez, Levy Sun, Erika Castillo, Dan Wilson, Allyx Nicolici

Agency Spotlight Status: Ongoing

Restructuring of MVCAC PR Resource Website to be integrated into locked section

- a. **Action steps:** Levy to take the lead on structure
- b. **Resources needed:** Levy's time
- c. **Potential Challenges:** Low priority compared to other projects
- d. **Timeline:** When time allows
- e. **Status:** In progress

Committee members:

Member	District	Position	Email
Megan Sebay	San Mateo County MVCD	Chair	msebay@smcmvcd.org
Allison Bray	San Diego VCP	Member	Allison.Bray@sdcounty.ca.gov
Erika Castillo	Alameda County MAD	Member	Erika@mosquitoes.org
Aaron Devencenzi	San Joaquin County MVCD	Member	adevencenzi@sjmosquito.org
Anais Medina Diaz	Greater LA County VCD	Member	amedinadiaz@glacvcd.org
Allyx Nicolici	CDPH	Member	Allyx.Nicolici@cdph.ca.gov
Conlin Reis	Fresno Westside MAD	Member	creis@fresnowestmosquito.com
Luz Robles	Sacramento Yolo MVCD	Member	lrobles@fightthebite.net
Nizza Sequeira	Marin Sonoma MVCD	Member	nizzas@msmosquito.com
Levy Sun	San Gabriel Valley MVCD	Member	lsun@sgvmosquito.org
Dan Wilson	Alameda County VCSD	Member	daniel.wilson@acgov.org
Nola Woods	Contra Costa MVCD	Member	nwoods@contracostamosquito.com
Lora Young	Orange County MVCD	Member	young@ocvector.org
Jared Dever	San Gabriel Valley MVCD	Board Liaison	jdever@sgvmosquito.org
Lisa Yarbrough	KP	KP Consultant	lyarbrough@ka-pow.com

Standing Charges:

1. Operate as a resource for MVCAC leaders, administrators, and members and advise on all matters of public relations and communications.
2. Advocate for mosquito and vector control agencies and their role as vital public health partners, illustrating their competence and importance, and endeavor to obtain recognition for their services and expertise.
3. Work with MVCAC leaders and administrators to promote community partnerships and encourage cooperative ventures to benefit vector control, public health, and the environment.

4. Promote MVCAC and assist leaders, administration, and members with media outreach, educational and informational materials, publications, and other outreach methods and communication efforts, including social media.
5. In cooperation with the Legislative Committee, KP and AMG, assist in preparation for MVCAC's annual Legislative Day, and other legislative and regulatory affairs efforts.
6. Provide materials and assist in implementing the Mosquito Awareness Week media campaign.
7. Provide editing of content and guidance on website content management for MVCAC website.

2019 Charges:

1. Develop and roll out a Third Party Outreach Strategy including speaking and exhibiting opportunities at relevant conferences, providing content to industry partners for newsletters and social media, and identifying, recruiting, and training spokespersons and subject matter experts for issues related to MVCAC.
2. Finalize and roll out Issues Management Communications Plan to provide guidelines that assist individual districts and the MVCAC when mosquito and vector related issues arise.
3. Develop best practices for invasive *Aedes* outreach for pre- and post-detection in collaboration with the Integrated Vector Management and Vector & Vectorborne Disease Committees.
4. Develop White Paper on importance of Integrated Vector Management in collaboration with Legislative and IVM Committees.
5. Oversee the development and implementation of statewide survey to measure population's understanding and perception of mosquito control and develop a strategy to address any misconceptions and pursue opportunities.

Findings	Recommendations
Respondents trusted local government officials (34%) and state government officials (28% more than federal government officials).	Disseminate at messages at the local and state level whenever possible.
While the majority of respondents (69%) were aware of the existence of mosquito and vector control districts, awareness was lowest among respondents ages 18-29 (48%), Black/African-American respondents (52%) and Asian respondents (46%).	These groups need targeted outreach to ensure that they are aware of our work.
When asked what mosquito and vector control districts do, the most common answer was that we 'spray pesticides' (31%). Other common answers included checking standing water (16%), sterilizing or eliminating mosquitoes (15%), providing information and doing outreach (14%), and collecting samples or doing research (14%).	Develop messaging to make residents aware of our other activities.
While the majority of respondents (72%) do take precautions against mosquito bites, fewer young adults ages 18-29 (57%) and Asian respondents (52%) did so.	These groups were among those with the lowest rates of awareness of mosquito and vector control districts. Raising their awareness of mosquito control and the risks posed by mosquitoes may motivate them to protect themselves.
The most common precaution against mosquito bites reported by respondents was wearing repellent/spray (69%). The second most common was removing standing water (38%).	Develop messaging using prevention themes.
The most common reason respondents didn't take precautions against mosquito bites was because they thought there were few or no mosquitoes in their area (44%) or because they thought there was 'not a problem'/'nothing to worry about' (29%).	It seems that respondents may be more motivated by the discomfort created by high mosquito populations rather than the disease risk presented by a single mosquito bite. Messaging should focus on helping residents understand that even a few mosquitoes can pose a risk.
When asked about preventing mosquito breeding, young adults ages 18-29 (47%) and Black/African-America respondents (55%) were the least likely to do so.	Again, this may be related to an overall lack of awareness of mosquitoes and mosquito-borne illness. Target these groups for outreach.
The most common reason respondents didn't prevent mosquitoes was because they thought there were no mosquitoes in their area (39%) or because they thought there was 'not an issue'/'unnecessary' (24%).	Messaging should focus on helping residents understand that even a few mosquitoes can pose a risk.
The majority of residents recognized that the risks posed by mosquitoes exceed the risks posed by the pesticides used to control them. Black/African-American respondents were the notable exception – 67% said they were more concerned about the risks posed by exposure to public health pesticides than the risks posed by mosquito-borne illness.	This is a surprise finding; we need to find out what the source of this belief is and how we can reassure these residents.



Mosquito and Vector Control Association of California
10/2019 Committee Action Plan Report to the Board of Directors
Regulatory Affairs Committee

1. **Review the tolerance levels for pesticides used for mosquito control permitted for cannabis. Continue work with DPR and BCC.**
 - a. Action steps: Reach out to CDPR, DCA, BCC
 - b. Resources needed: research other deposition studies, draft "request" letter
 - c. Potential Challenges: regulations are closed, comment period closed
 - d. Timeline: End of 2019
 - e. Status: DPR memo sent to Lori Ajax at Bureau of Cannabis Control regarding revised action levels

2. **Continue to work with DPR on the regulations around using UAVs to apply mosquito control pesticides.**
 - a. Action steps: Maintain connection with DPR and provide any support required for consultation
 - b. Resources needed: none at this time
 - c. Potential Challenges: timing of release, assistance with "new exam" once regulations are released
 - d. Timeline: Completed
 - e. Status: Exams are available

3. **Review existing and new devices proposed to capture trash in storm water structures.**
 - a. Action steps: Continue to review new devices and maintain a 30-day review period
 - b. Resources needed: N/A
 - c. Potential Challenges: Timely communication regarding committee concerns
 - d. Timeline: Ongoing
 - e. Status: Ongoing

4. **Monitor issues around the re-use of storm water and irrigation run-off collected.**
 - a. Action steps: Meet with the new leads of the STORMS program, encourage Vector engagement
 - b. Resources needed: KP call and schedule meeting
 - c. Potential Challenges: N/A
 - d. Timeline: Ongoing
 - e. Status: Met with new staff: they are looking to add our language into future documents, developing talk and seeking speaker for March 2020

5. **Evaluate the impact of mosquito management practices as employed at wetlands managed by CDFW.**
 - a. Action steps: Review the current research, propose any future research, review water delivery practices, survey District's for management techniques (Who charges? Why? When?) Begin building narrative for potential. Review Central Valley Wetland Mnmgt document for any needed updates
 - b. Resources needed: Two surveys (one CDFW, one MVCAC), KP consult on budget allocation for 2020 leg year- send to leg committee for review (Conlin Reis)
 - c. Potential Challenges: time and money
 - d. Timeline: Survey(s) to be submitted and returned by stakeholders before the Fall MVCAC meeting [delayed]
 - e. Status: see above

6. **Provide resources to districts for their environmental compliance with CEQA.**
 - a. Action steps: Conduct a survey of Districts to determine who is following which practices (full EIR, mitigated negative declarations, etc.).
 - b. Resources needed: One survey; location on website to store results of contact people for those looking to update their files (similar to HR resources file)
 - c. Potential Challenges: people filling out the survey
 - d. Timeline: Survey(s) to be submitted and returned by stakeholders before the Fall MVCAC meeting [delayed]

e. Status: survey discussed; needs to be drafted

7. Additional items planned for discussion:

- a. Section 18 permit for Sterile Insect Technique (SIT) for mosquito releases
- b. Electric vaults as a potential source for mosquitoes

Committee members:

Member	District	Position	Joined Committee	Email
Jennifer Henke	Coachella Valley MVCD	Committee Chair; Lead of Wetlands Group; Trash Device	2016	jhenke@cvmvcd.org
Sarah Billeter	CDPH VBDS Ontario	Member	2018	Sarah.billeter@cdph.ca.gov
Peter Bonkrude	Shasta MVCD	Board Liaison; Lead of Trash Device	2014	pbonkrude@shastamosquito.org
Erika Castillo	Alameda County MAD	Member; Wetlands Group	2018	erika@mosquitoes.org
Samer Elkashef	Sac-Yolo MVCD	Member; UAVs	2018	selkashef@fightthebite.net
Mark Hall	Greater LA County VCD	Member; Trash Device	2018	mhall@glacvcd.org
David Heft	Turlock MAD	Member;	2012	dheft@turlockmosquito.com
Mark Novak	CDPH VBDS Elk Grove	Member; DPR	2012	Mark.novak@cdph.ca.gov
Rhiannon Jones	Merced County MAD	Member; Trash Device	2018	mcmadmgr@gmail.com
Conlin Reis	Fresno Westside MAD	Member; Wetlands Group	2018	creis@fresnowestmosquito.com
Brian Olson	CDFW	Member; Wetlands Group	2019	Brian.olson@wildlife.ca.gov
Bob Achermann	AMG		2016	bachermann@amgroup.us
Ed Manning	KP		2016	emanning@ka-pow.com
Brian White	KP		2016	bwhite@ka-pow.com

Standing Charges

1. Organize and host an annual workshop that will offer enhanced communication, training and collaboration among vector control laboratory personnel
2. Partner with DART to establish fees for proficiency panels, positive controls, reagents and other support consumables to enhance standardization between labs
3. Develop and implement a positive control tracking protocol and monitoring program that enhances quality control of laboratory testing

2019 Charges

1. Evaluate the utility and feasibility of incorporating internal positive control DNA into arbovirus testing to monitor for the presence of PCR inhibitors (e.g. Xeno from ThermoFisher)
2. Evaluate the efficacy of commercially available magnetic bead-based RNA extraction kits
3. Negotiate product pricing with ThermoFisher sales representatives
4. Once the sequence of the *kdr* genes are provided by CZ Biohub, assist in developing and evaluating SNP assays for insecticide resistance testing

Progress Report for June – October 2019

1. Organize and host an annual workshop that will offer enhanced communication, training and collaboration among vector control laboratory personnel.
 - a. Topic for 2020 Annual meeting will be use of unmanned air systems in mosquito control. Discuss addition of workshop or demonstration of uses for 3D printing for mosquito monitoring and control activities.
 - b. Lead Organizers of UAS workshop: Eric Haas-Stapleton (Alameda County MAD) and Joel Buettner (Placer County MVCAC).
2. Evaluate the efficacy of commercially available magnetic bead-based RNA extraction kits.
 - a. Three commercially available kits were selected and have been provided by the vendors to collaborating Districts for evaluation (DART, Alameda County MAD, Sac-Yolo MVCAC, Placer County MVCAC).
 - b. Status: DART will provide WNV in appropriate lysis buffers for the assessments to conducted later in 2019. Evaluations will be made after October and before December.
3. The "Guide to Common Mosquitoes of California (Four Volume Set)" that is published by the MVCAC is currently available for purchase at a cost of \$13 for each volume to members. They include *Aedes aegypti* and *Aedes albopictus*, so there is no need to revise these guides. All four volumes are currently available in PDF format. Recommend that the Board of Directors provide members of MVCAC access to freely download these keys from a login-password protected page of MVCAC web site.
4. Development of universal *kdr* assay for *Culex spp.*
5. Discussion of assay development and refinement needs.



Mosquito and Vector Control Association of California
March 2019 Committee Action Plan Report to the Board of Directors

Information Technology Committee

- 1. Continued (2018) development of Visual Gateway project with educational training for agencies in collaboration with DART.**
 - a. Action steps: **Work with DART on Training as the Visual gateway progresses**
 - b. Resources needed: **None**
 - c. Potential Challenges: **None**
 - d. Timeline: **Continuous**
 - e. Status: **Continuous**

- 2. Create information sharing forums for all districts to learn about Enterprise level Hardware, Software and Security.**
 - a. Action steps: **Create Brown Bag meetings with Enterprise level Vendors**
 - b. Resources needed: **Several Hours**
 - c. Potential Challenges: **Attendance**
 - d. Timeline: **Done**
 - e. Status: **Completed**

- 3. Create and maintain partnership with MISAC & MS-ISAC (Municipal Information Systems Association of California).**
 - a. Action steps: **Sign up and become more informed**
 - b. Resources needed: **None**
 - c. Potential Challenges: **None**
 - d. Timeline: **2019**
 - e. Status: **In Progress**

- 4. Continue (2018) Outreach to member agencies to educate and connect staff that support technology for information security best practices and other topics.**
 - a. Action steps: **Discuss best practices**
 - b. Resources needed: **Participation**
 - c. Potential Challenges: **None**
 - d. Timeline: **2019**
 - e. Status: **Continuous**

- 5. Continue IT survey (2018), discuss and report actionable items**
 - a. Action steps: **Publish Results**
 - b. Resources needed: **Time**
 - c. Potential Challenges: **None**
 - d. Timeline: **Done**
 - e. Status: **Completed**

- 6. Serve as a resource for issues related to information and technology that may affect member agencies and/or the MVCAC**
 - a. Action steps: **Inform members of the MVCAC of IT resources available to them including MISAC**
 - b. Resources needed: **None**
 - c. Potential Challenges: **None**
 - d. Timeline: **Continuous**
 - e. Status: **Continuous**

7. Provide A/V support for the MVCAC Annual Conference

- a. Action steps: **As Needed**
- b. Resources needed: **Attendance**
- c. Potential Challenges: **Attendance**
- d. Timeline: **Continuous**
- e. Status: **Continuous**

Committee members:

Member	District	Position	Joined Committee	Email
Brian Reisinger	<u>West Valley MVCD</u>	Community Outreach	TBD	bir@wvmvcd.org
Dan Fisher	<u>Sacramento-Yolo MVCD</u>	IT Administrator	TBD	dfisher@fightthebite.net
Dave Heft	<u>Turlock MAD</u>	District Manager	TBD	dheft@turlockmosquito.com
Ed Prendez	<u>Coachella Valley MVCD</u>	Information Technology Manager	TBD	EPrendez@cvmvcd.org
Mark Dyngge	<u>Delta VCD</u>	Systems Administrator	2019	mark@deltavcd.com
Julia Laciste	<u>Fresno MVCD</u>	Office Manager	2019	julia@fresnomosquito.org
Kiet Nguyen, Luan Ngo	<u>Orange County Mosquito and Vector Control District</u>	Assistant Vector Ecologist	TBD	knguyen@ocvector.org
Mark Daniel	<u>Greater LA County VCD</u>	Director of Operations	TBD	mdaniel@glacvcd.org
Peter Bonkrude	<u>Shasta MVCD</u>	District Manager	TBD	pbonkrude@shastamosquito.org
Robert Ferdan	<u>Alameda County MAD</u>	IT Director	2017	robert@mosquitoes.org
Jody Simpson	<u>UCDAVIS</u>	Lead Programmer	TBD	jksimpson@ucdavis.edu
Michael Tran	<u>Santa Clara County VCD</u>	Information System Analyst	2019	michael.tran@cep.sccgov.org
Aaron Ho	<u>Santa Clara County VCD</u>	Information System Manager	2019	aaron.ho@cep.sccgov.org
Babak Ebrahimi, MSPH, PhD	<u>Santa Clara County VCD</u>	Assistant Manager	2019	babak.ebrahimi@cep.sccgov.org

Attending:

Jared Dever, SGVMVCD - So. Region Representative	Jason Farned, SGVMVCD
Brian Cabrera, MVMD of Santa Barbara County	Melissa Doyle, SGVMVCD
Renjie Hu, CDPH/VBDS	Marta Tanaka, SGVMVCD
Sarah Billiter, CDPH/VBDS	Marco Metzger, CDPH/VBDS
Joe Burns, CDPH/VBDS	
<u>Via Teleconference</u>	
Bill Walton, UCR/PacVec	Robert Miller, Owens Valley MAP
Truc Dever, GLACVCD	Brent Casey, Riverside County EHVCP
Kelly Middleton, GLACVCD	Debra Johnson, Riverside County EHVCP
Susanne Klueh, GLACVCD	Rick Howard, OCMVCD
Mark Westerline, City of Moorpark	Lora Young, OCMVCD
Bob Saviskas, LAWV&VBDCD	Larry Shaw, OCMVCD
Jeremy Wittie, CVMVCD	Robert Cummings, OCMVCD
Jennifer Henke, CVMVCD	William Van Dyke, Northwest MVCD
Nikos Gurfield, San Diego County VCP	Nikia Smith, Northwest MVCD
Michelle Brown, MVMVCD	Eric Ballejos, Northwest MVCD
Mitch Weinbaum, Compton Creek MAD	Erin Arnott, Clarke

The MVCAC Southern Region met at the San Gabriel Valley Mosquito and Vector Control District and via teleconference on October 1, 2019 to consider the following agenda items.

Announcements:

Brian Cabrera announced he has been officially appointed as the new District Manager for the Mosquito and Vector Management District of Santa Barbara County.

Truc Dever announced that Mary Joy Coburn has been hired as Greater Los Angeles County VCD's new Director of Community Affairs, and longtime operations program supervisor Kevin Vargas has retired.

Rick Howard announced that Heather Hyland has been hired as the Public Information Officer for Orange County MVCD.

Debra Johnson announced that Brent Casey had joined the Riverside County EHVCP staff.

Agenda Items:

Office and Field Staff Safety: Best Practices to Minimize Risk

Members discussed the compounding safety issues associated with expanding homeless populations, drug paraphernalia and waste, wildlife encounters, and hostile encounters with residents. Most

members noted a marked increase in these types of threats and confrontations. Best practices, training programs, physical interventions, and administrative policy amendments were shared amongst members to help mitigate future risk to agency personnel.

Regionwide Swimming Pool Maintenance Ordinance – Update

Southern Region Representative Dever provided an update on his progress of getting a regionwide swimming pool maintenance ordinance template adopted by the 30-city member San Gabriel Valley Council of Governments (SGVCOG). The template ordinance seeks to enhance city code enforcement authority to allow for immediate entry onto properties under responsible suspicion of a public health nuisance associated with inoperable swimming pools, and other water impoundments. The template ordinance defines the acceptable condition of all swimming pools as either clean and functional, or completely dry at all times. Violation of these conditions results in immediate citation authority, escalating per subsequent violation. Dever, reported that the process has taken 12 months thus far, but that the vote to formally adopt the template by the SGVCOG will take place in November, 2019.

Respectfully Submitted,

Jared Dever

District Manager, MVCAC Southern Region Representative
San Gabriel Valley Mosquito and Vector Control District

AGENDA

2nd Invasive *Aedes* Teleconference 2019
November 5, 2019
10:00 to 11:30 AM

Focus Topic: Invasive *Aedes* Education and Outreach

Conference call attendees (AUDIO ONLY):
Dial-In Number 877-402-9753, Passcode 6203438#

WebEx Link (SLIDE PRESENTATIONS):
<https://cdph-conf.webex.com/cdph-conf/j.php?MTID=m5d8b7a0ebe3bbce38b830b29b7fa0baa>
(Meeting number: 925 650 552)

(DO NOT dial the toll number that shows on the screen when you click the WebEx link. Please use the conference call number listed above.)

*Please note that agenda times are approximate

- 10:00 Overview of Meeting and Update on *Ae. aegypti* & *Ae. albopictus* in California (Marco Metzger, CDPH-VBDS)
- 10:15 Summary of biochemical resistance tests in *Ae. aegypti* (Sam Schildhauer, CDPH-VBDS)
- 10:30 Resistance: California invasive *Aedes*' persistence in the face of evolving public relations messaging (Levy Sun, SGVMVCD)
- 10:50 Measuring impact of school outreach to change mosquito prevention behaviors. (Nikos Gurfield and Jorell Tuncap, SDCVCP)
- 11:10 Public education and outreach in Madera County, 2013-Present (Trinidad Reyes, MCMVCD)
- 11:20 Additional Items / Discussion
- 11:30 Adjourn

California Arbovirus Surveillance Bulletin #32

Week 45 Friday, November 8, 2019

8



Weekly Update

Humans

West Nile virus

A total of 7 human cases of West Nile virus (WNV) illness were reported this week from 4 counties: Fresno (2), Kern (1), Los Angeles (3), and Placer (1). **This is the first WNV human case reported from Placer County this year.** In 2019, 184 WNV cases have been reported from 21 counties. Of the 184 reported cases, 120 (65%) had neuroinvasive disease and 5 (2.7%) fatalities have been reported. The median age of the individuals is 59 years (range: 10–93 years) and 110 (60%) are male. Dates of symptom onset range from May 12 to October 20. In addition to the 184 cases, 17 asymptomatic infections have also been reported from Butte (1), El Dorado (1), Kern (3), Madera (1), Merced (1), Orange (2), San Bernardino (4), San Joaquin (1), Stanislaus (1), Sutter (1), and Tulare (1) counties. At this time last year, 174 human cases had been reported from 31 counties.

St. Louis encephalitis virus

One human case of St. Louis encephalitis virus (SLEV) disease was reported this week from Stanislaus County. **This is the first SLEV human case reported from Stanislaus County this year.** In 2019, 6 SLEV cases have been reported from 4 counties: Fresno (2), Kern (1), Imperial (2), and Stanislaus (1). Of the 6 reported cases, 6 (100%) had neuroinvasive disease. The median age of the individuals is 64 years and dates of symptom onset range from July 14 to September 13. No fatalities have been reported. At this time last year, 1 SLEV human case had been reported from 1 county.

Dead Birds

One WNV positive dead bird was reported this week from Santa Clara County. In 2019, a total of 211 WNV positive dead birds have been reported from 21 counties. At this time last year, 497 WNV positive dead birds had been reported from 21 counties.

Mosquito Pools

West Nile virus

A total of 14 WNV positive mosquito pools were reported this week from 3 counties: Los Angeles (4), Orange (9), and Riverside (1). In 2019, a total of 3,283 WNV positive mosquito pools have been reported from 25 counties. At this time last year, 1,960 WNV positive mosquito pools had been reported from 29 counties.

St. Louis encephalitis virus

No new positives were reported this week. In 2019, a total of 355 SLEV positive mosquito pools have been reported from 12 counties: Fresno (58), Imperial (5), Kern (56), Kings (4), Los Angeles (2), Madera (5), Merced (2), Orange (3), Riverside (107), San Bernardino (4), Stanislaus (13), and Tulare (96). At this time last year, 387 SLEV positive mosquito pools had been reported from 8 counties.

California Arbovirus Surveillance Bulletin #32

Week 45 Friday, November 8, 2019

YTD WNV Activity by Element and County, 2019					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Amador	1				
Butte	5		1	44	34
Colusa	1				6
Contral Costa			1	1	2
Fresno	48	2	10	495	
Glenn				1	1
Imperial	3			2	
Kern	20	2	2	128	
Kings				63	
Lake				6	
Los Angeles	27		45	94	25
Madera	2	2		85	
Merced	8	1	3	48	16
Orange	5		46	203	
Placer	1		3	53	8
Riverside	10	1	4	524	
Sacramento	2	1	44	74	4
San Benito					1
San Bernardino	5	1	4	52	
San Diego	2		1		
San Joaquin	7	1	5	288	
San Luis Obispo	2				
Santa Clara			8		
Shasta			1	3	1
Solano	1			5	4
Stanislaus	16	2	4	203	
Sutter				15	11
Tehama					4
Tulare	17		17	814	10
Tuolumne		1	1		
Ventura	1	1	1	1	3
Yolo			7	59	1
Yuba			3	22	5
Totals	184	15	211	3,283	136

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'We tried to give them away': Split recycle cans likely destined for \$300K trip to landfill

Joshua Yeager, Visalia Times-Delta Published 6:15 a.m. PT Oct. 31, 2019

A Mad Max-like scene exists on the outskirts of west Visalia.

Roughly 30,000 split trash cans scatter a 5-acre lot beside the city's wastewater treatment plant on Avenue 288. If you squint, the mass of cans is visible from Highway 99.

The trash can graveyard is the result of the city's long-planned move to a traditional, three-can system that was implemented this spring. The split cans were originally introduced in 1989 as an innovative measure to promote recycling across the city.



In a cruel irony, Visalia split recycle cans are likely destined for the county landfill. Roughly 30,000 cans await their fate in a 5-acre lot beside the city's wastewater treatment plant on Oct. 30, 2019. (Photo: Joshua Yeager)

Now, those very cans that once served to promote a spirit of recycling among Visalians are likely destined for the county landfill — at an estimated cost of \$300,000.

"The last thing I want is to have all these cans end up in the landfill," Public Works Manager Jim Ross said at a recent Visalia City Council meeting.

There may be no other choice.

City leaders initially projected that the split cans would be recycled to turn a profit. Then, the bottom fell out of the recycling market in 2018 — leaving the city with 30,000 unwanted cans.



In a cruel irony, Visalia split recycle cans are likely destined for the county landfill. Roughly 30,000 cans await their fate in a 5-acre lot beside the city's wastewater treatment plant on Oct. 30, 2019. (Photo: Joshua Yeager)

Because the cans are made from a combination of plastics with different melting points, recycle centers say they are difficult to process.

The "split" inside the cans also make them impossible to stack and therefore prohibitively expensive to transport.

"We've really tried to give them away... nobody wants them," Ross said.

It was a hard pill to swallow for Councilman Greg Collins and concerned residents at last week's Visalia City Council meeting.

"It causes me concern that there's no market for ground-up plastic. There's got to be someplace we can market this material, where it can be reused somewhere else... I just don't want to bury it in a landfill," Collins said.

The council ultimately approved \$120,000 to rent an industrial grinder from Bejac Corporation to break the cans down for transport. Ross anticipates that the ground-up cans will result in multiple piles, 10 to 12 feet tall — an estimated 750 tons of material.



Public Works Manager Jim Ross explains why some split recycle cans can't be retrofitted with single lids. Behind him, roughly 30,000 cans await their fate in a 5-acre lot beside the city's wastewater treatment plant on Oct. 30, 2019. (Photo: Joshua Yeager)

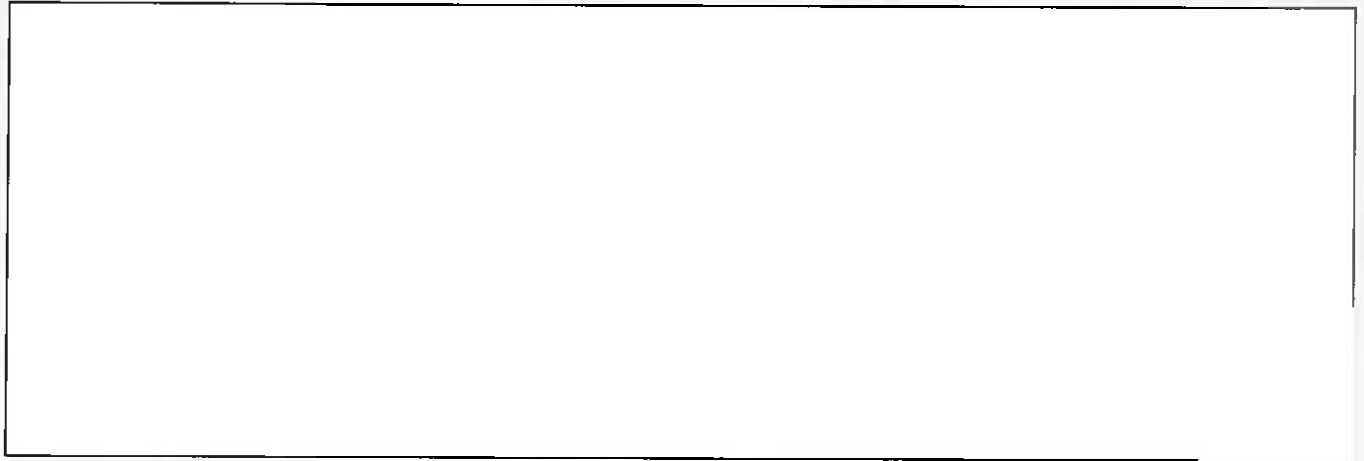
Ross said that work will begin soon, before the rainy season hits and turns the empty cans into a mosquito breeding ground.

"Once (the cans) fill up with water, they will be a huge vector for mosquitoes," he warned.

He estimates it will take three months to chunk all the bins.

The city will continue to explore alternatives to the landfill for the recycled cans but Ross said his department had "exhausted every available option" already.

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Otherwise, the city's move to the three-can system has been smooth, Ross said. After the last cans were swapped out in June, only a few details remain to complete the transition, including optimizing collection routes and software data entry.

He noted that some of the cans were able to be retrofitted and reused. It was only the oldest split cans in the city's fleet that are incompatible with the single lids, because of a quirk in their design.

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"At the time, it was a very innovative and successful program and achieved its goals," the city boasts of the split-can system in [a staff report](http://www.visalia.city/sirepub/cache/3/pirhnx04uoxvbb5t1gfsrjov/27257510302019114659551.PDF). (<http://www.visalia.city/sirepub/cache/3/pirhnx04uoxvbb5t1gfsrjov/27257510302019114659551.PDF>) "However, as recycling became more accepted and practiced by the general public, the split cans became more of a hindrance than an incentive to recycling."



In a cruel irony, Visalia split recycle cans are likely destined for the county landfill. Roughly 30,000 cans await their fate in a 5-acre lot beside the city's wastewater treatment plant on Oct. 30, 2019. (Photo: Joshua Yeager)

The city budgeted \$5 million for the project; its final price tag will likely be \$5.4 million after adding the cost to dispose of the abandoned cans.

Some Visalians question whether those costs will ultimately be passed along to residents, despite assurances from city leaders to the contrary.

"With all these cost overruns, I can't help but believe the three-can system will cost us in the long-run," said Harold Myers, who moved to Visalia shortly before the city unleashed the split cans three decades ago. "It was quite an innovation, really. These three cans are garbage."

Still, Myers said he could understand why the cans no longer made sense for many of his neighbors.

"Would I pay \$5 million for the convenience? No, but we made our decisions."

Joshua Yeager (<https://www.visaliatimesdelta.com/staff/50287/joshua-yeager/>) covers water, agriculture, parks and housing for the Visalia Times-Delta and Tulare Advance-Register newspapers. Follow him on *Twitter @* (https://twitter.com/calleyc_vtd?lang=en) *VTD Joshy* (https://twitter.com/VTD_Joshy). **Get alerts and keep up on all things Tulare County for as little as \$1 a month. Subscribe today** (https://offers.visaliatimesdelta.com/vnspecialoffer?gps-source=CPNEWS&utm_medium=onsite&utm_source=news&utm_campaign=NEWSROOM&utm_content=calleycederlof).

Read or Share this story: <https://www.visaliatimesdelta.com/story/news/2019/10/31/we-tried-to-give-them-away-split-recycle-cans-likely-destined-for-300-k-trip-to-landfill/4058033002/>

