AGENDA

1040th MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

JANUARY 11TH, 2017

TIME: 5:00 P.M.

PLACE: Office of the District, 23187 Connecticut Street, Hayward

TRUSTEES: Richard Guarienti, President, City of Dublin

Kathy Narum, Vice-President, City of Pleasanton Robert Dickinson, Secretary, City of Piedmont

Humberto Izquierdo, County-at-Large Wendi Poulson, City of Alameda P. Robert Beatty, City of Berkeley Betsy Cooley, City of Emeryville George Young, City of Fremont Elisa Marquez, City of Hayward James N. Doggett, City of Livermore Eric Hentschke, City of Newark Jan O. Washburn, City of Oakland Ed Hernandez, City of San Leandro Ronald Quinn, City of Union City

- Call to order.
- 2. Roll call.
- 3. President Guarienti invites any member of the public to speak at this time on any issue relevant to the District. (Each individual is limited to five minutes).
- 4. Approval of the minutes of the 1039th meeting held December 14th, 2016 (**Board action required**).
- 5. Election of Board Officers. Gavel transferred from President Guarienti to newly elected President. (**Board action required**)
- 6. Review of 2017 Board Meeting dates and possible changes. (**Possible board action required**)
- 7. Review and update of Committee Assignments for 2017
 - a. Addition of an ad-hoc Green Initiative Committee
- 8. Financial Reports:
 - a. Review of warrants dated December 15, 2016 numbering 027617 through 029717A amounting to \$97,105.51 and warrants dated December 31, 2016 numbering 029717 through 032817 amounting to \$118,262.16 (Information only).
 - b. Review of Budget as of December 31, 2016. (Information only).
 - c. Investments, Reserves, and Cash Balance as of December 31, 2016.

- 9. Presentation of the Monthly Staff Report for December 2016 (Information only).
- 10. Presentation of the Manager's Report for December 2016 (Information only).
 - a. CalPers reduction of discount rate from 7.5% to 7%
 - b. Form 700 FFPP
 - CSDA Annual Dinner March 23rd 2017. Redwood Canyon Golf Course, Castro Valley.
 - d. CSDA Board Member Best Practices: 2/16/17, San Jose; Leadership Academy Conference: July 9-12, Napa
 - e. Harassment & Discrimination training lacking for 3 trustees
- 11. Board President asks for reports on conferences and seminars attended by Trustees.
- 12. Board President asks for announcements from members of the Board.
- 13. Board President asks trustees for items to be added to the agenda for the next Board meeting.
- 14. Adjournment.

RESIDENTS ATTENDING THE MEETING MAY SPEAK ON ANY AGENDA ITEM AT THEIR REQUEST.

Please Note: A copy of this agenda is also available at the District website, www.mosquitoes.org or via email by request. Alternative formats of this agenda can be made available for persons with disabilities. Please contact the district office at (510) 783-7744, via FAX (510) 783-3903 or email at acmad@mosquitoes.org to request an alternative format.

Agenda item: 1040.4

MINUTES

1039th MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

DECEMBER 14TH, 2016

TIME: 5:00 P.M.

PLACE: Office of the District, 23187 Connecticut Street, Hayward

TRUSTEES: Richard Guarienti, President, City of Dublin

Kathy Narum, Vice-President, City of Pleasanton Robert Dickinson, Secretary, City of Piedmont

Humberto Izquierdo, County-at-Large P. Robert Beatty, City of Berkeley Wendi Poulson, City of Alameda Betsy Cooley, City of Emeryville George Young, City of Fremont Elisa Marquez, City of Hayward James N. Doggett, City of Livermore Eric Hentschke, City of Newark Jan O. Washburn, City of Oakland Ursula Reed, City of San Leandro Ronald Quinn, City of Union City

Board President Guarienti called the regularly scheduled Board meeting to order at 5:06 P.M.

Trustees, Guarienti, Beatty, Poulson, Cooley, Young, Marquez, Doggett, Hentschke, Washburn, and Quinn were present; Trustees, Narum, Izquierdo, and Reed were absent. Trustee Dickinson arrived at 5:07 P.M.

Board President Guarienti invited members of the public to speak on any issue relevant to the District, Ellen Clark from PFM Asset Management, LLC was present.

Board President Guarienti welcomed the new Emeryville Trustee, Betsy Cooley, to the Board. Trustee Cooley thanked Board President Guarienti for the introduction and provided a brief description on how she came to be on the Board.

The Board approved the minutes of the 1038th meeting held November 9th, 2016. (Washburn, Marquez)— unanimous; Trustees Dickinson, Poulson, Cooley, Quinn - abstained.

After a report from Trustee Washburn, representing the Nominating Committee, the committee nominated Trustee Narum as Board President, Trustee Marquez as Vice-President, and Trustee Poulson as Board Secretary. (Beatty, Doggett) – unanimous

The Board President appointed Trustees Narum, Marquez, and Poulson to the Personnel Committee. (Doggett, Marquez) – unanimous

After an explanation by the District Manager and clarification request from Board President Guarienti regarding which Resolution will be updated (879-1) or replaced (1038-1) the Board approved resolution 1039-1 approving a new cap for CalPERS Health Benefits (Washburn, Beatty)— unanimous.

Ellen Clark from PFM Asset Management, LLC gave an update on the Districts OPEB investments and fielded the following questions: Trustee Dickinson asked where the fee is calculated and where it is found in the report (it is based on the value of the fund, which Trustee Dickinson considered "fair" after her explanation and information provided by the District Manager), clarifications on past asset allocation changes since September and projects into the future, and stated that since the OPEB is fully funded the District should continue to invest conservatively; Trustee Beatty requested further information on the benchmarks; Trustee Washburn offered his recollection on the assumed return rate per the actuarial report (around 4%); Board President Guarienti asked when the new PFM mutual fund option will be available (7/1/17).

The Board reviewed warrants dated November 15, 2016 numbering 021917 through 024616 amounting to \$112,877.82, and warrants dated November 30, 2016 numbering 024717 through 027517 amounting to \$119,877.82. Trustee Dickinson asked who the "Maze" vendor is. This was answered by Trustee Marquez (our independent audit firm). Trustee Poulson asked about the overpayment warrant. The District Manager explained that an accounting error caused an overpayment, which was rectified on the following warrant batch.

The Board reviewed the budget summary received as of December, 31th, 2016. Trustee Dickinson suggested the following improvement to the report: show the subtraction of the expenditures from last month's cash balance to the current cash balance and ensure that this amount matches our County balance sheet.

The District Manager presented the Staff report for November 2016. Trustee Marquez requested that whenever the District has its logo displayed at public education events, or through collaborations (such as the Exploratorium), the District social media's presence should also be promoted—e.g. hashtags (#Hayward).

The District Manager presented the Manager's report for November 2016. Trustee Marquez offered advice on the importance of troubleshooting HR software prior to implementation. Trustee Cooley inquired about committee assignments and her interest in the Finance Committee. The District Manager responded that committee assignments will be discussed further at the January Board meeting. Trustees Young, Quinn, and Marquez requested more information on the Harassment and Discrimination training log in and if that link can be resent (yes). This was answered by both the District Manager and Trustee Washburn.

Board President Guarienti asked for reports on conferences and seminars attended by Trustees, there were none.

Board President Guarienti asked for announcement from the Board, there were none.

Board President Guarienti asked trustees for items to be added to the agenda for the next Board meeting, Trustee Marquez requested a discussion item on the agenda regarding the District's adoption of Green policy initiatives. Board President Guarienti then offered his thanks to the Trustees for their participation towards the improvement he has witnessed at the District from his appointment to the Board to the conclusion of his Presidential term at the upcoming meeting. He commended the Staff's commitment of innovation towards improvement, the high-quality research coming from the lab, and the Board's accomplishments—especially the Finance Committee's budget process, the Policy Committee's complete review and rewrite, and the successful MOU with Staff.

The meeting adjourned at 6:30 P.M.

Respectfully submitted,										
Approved as written and/or corrected at the 1040 th meeting of the Board of Trustees held January 11th, 2017	Wendi Poulson, Secretary BOARD OF TRUSTEES									
Kathy Narum, President BOARD OF TRUSTEES										



ACMAD Calendar 2017

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December



Board Meetings

Holidays

Other meetings (MVCAC Leg: 2/6-2/7; AMCA Annual: 2/13-2/17; MVCAC Annual: 3/26-3/29; CSDA Leg: 5/16-5/17; CSDA Annual: 9/24-9/28)



T: (510) 783-7744 F: (510) 783-3903

acmad@mosquitoes.org

Board of Trustees

President

Richard Guarienti

Dublin

Vice-President

Kathy Narum

Pleasanton

Secretary

Robert Dickinson

Piedmont

Humberto Izquierdo

County at Large

Wendi Poulson

Alameda

P. Robert Beatty

Berkeley

Scott Donahue

Emeryville

George Young

Fremont

Elisa Marquez

Hayward

James N. Doggett

Livermore

Eric Hentschke

Newark

Ian O. Washburn

Oakland

Ursula Reed

San Leandro

Ronald E. Quinn

Union City

Ryan Clausnitzer

District Manager

Committee Assignments for 2017

Financial Committee

Purpose: The Finance Committee is a standing committee tasked with reviewing the annual budget, assessing the District's long term capital needs, making recommendations for designating reserves and evaluating the allocation of the OPEB Trust.

Membership: Trustees Young, Quinn, Dickinson, Narum.

Policy Committee

Purpose: The Policy Committee evaluates the District's Policies and updates and adds policies as needed. All District policies must be approved by a majority of the Board.

Membership: Trustees Doggett, Guarienti, and Marquez

Manager Evaluation Committee

Purpose: The primary task of this committee is to review the performance of the District Manager, annually by the June board meeting. Compensation changes and contract adjustments will be based on this evaluation.

Membership: Past, present, and future Board Presidents include Trustees Guarienti, Narum, and Marquez

West Nile Virus (Public Health Emergency) Committee

Purpose: To meet with the District Manager &/or Staff to review District surveillance and treatment information pertaining to current or emerging public health threats and make recommendations to the board if necessary.

Membership: Washburn, Doggett, Poulson

Status: This committee only meets on an as needed basis.



Personnel Committee

Purpose: To meet as needed if personnel issues rise to the level of an appeal to the board.

Membership: Board Officers –Narum, Marquez, and Poulson are members.

Status: This committee only meets on an as needed basis.

Ad-Hoc Green Initiatives Committee

Purpose: To evaluate areas the District can improve its sustainability such as solar energy, refuse reduction, and fuel efficiency.

Membership: Open

Status: This committee only meets on an as needed basis.

Agenda 1040.8

ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT LIST OF WARRANTS DATED **DECEMBER 15, 2016**.

		LIST OF WARRANTS DATED DECEMBER 15, 2016.					
WAR			ACCT		AMT OF		AMT OF
NO		PAYEE	NO	(CHARGE	١	WARRANT
027617	Biological Specialist	Total salary less deduction for payroll	600001	\$	2,622.79		
027617	Mosq Control Tech	December 1 to December 15, 2016.	600001	\$	2,250.01		
027617	Lab Seasonal	н	600001	\$	922.84		
027617	Vector Biologist	н	600001	\$	2,823.83		
027617	Vector Biologist	п	600001	\$	2,875.10		
027617	Mosq Control Tech	н	600001	\$	2,183.23		
027617	Environment Specialist	п	600001	\$	2,800.77		
027617	District Manager	п	600001	\$	3,857.54		
027617	Asst Mosq Control Tech	п	600001	\$	2,164.67		
027617	IT Specialist	п	600001	\$	3,120.86		
027617	Entomologist	п	600001	\$	3,000.23		
027617	Field Supervisor	п	600001	\$	3,550.44		
027617	Finance Manager	п	600001	\$	2,574.72		
027617	Office Assistant	п	600001	\$	1,657.85		
027617	Vector Biologist	п	600001	\$	3,539.77		
027617	Mosq Control Tech	н	600001	\$	2,565.96		
027617	Mosq Control Tech	н	600001	\$	2,295.34		
027617	Mechanic Specialist	н	600001	\$	3,222.67		
027617	IRS	Federal tax withheld (payroll)	600001	\$	8,090.57		
027617		Medicare Tax Withheld (payroll)	600001	\$	916.93		
027617		District Contribution to Medicare (payroll)	600401	\$	916.94		
027617	State of California	State Tax withheld (payroll)	600001	\$	2,531.40		
027617	EDD	Ca Disability	600001	\$	559.67	\$	61,044.13
027717	Public Employees' Retire-	Employee Contributions	600001	\$	17.00		
	ment System	Employee Paid Member Contributions, 7% & 6.5%	600001	\$	4,657.54		
		Employer Contribution 9.558% & 6.930%	600201	\$	5,891.12	\$	10,565.66
027817	Aetna Life & Annuity	Employee Contributions	600001			\$	150.00
027917	CALPERS 457 Plan	Employee Contributions - PERS 457	600001			\$	2,960.00
028017	Delta Dental Plan	Monthly Premium	600601			\$	4,411.85
028117	Vision Service Plan	Health premium	600601			\$	651.36
028217	The Hartford	Life insurance	600601			\$	78.71
028317	Airgas	Dry ice cut block slab	620141.1			\$	73.81
028317A	Beck's Shoes	Boots for D.A	610001			\$	177.38
028417	Bayside	Janitorial services, October 2016	620021			\$	300.00
028517	Cintas	Laundry service	610011	\$	601.96		
		Personal supply	610001	\$	-	\$	601.96
028617	Corporate Park Landscaping	Landscape maintenance	610122			\$	195.00
028717	Castillo, Erika	Reimbursement for Transportation to/from S.F IT Training	610191.3			\$	34.05
028817	Grainger		610122.2	\$	-		
		Impact socket set	610141	\$	79.86		
			610461.6	\$	-	\$	79.86
028917	Hayward Water System	Hayward Water	610021			\$	683.51
029017	KBA Docusys	Canon copier rental	620041			\$	462.60
029117	Mello, Melvin	Dental Expenses for Melvin Mello	600601			\$	116.00
029217	Mar-Len Supply Inc.	Aluminum Fresh Water Tank	610461.6			\$	1,270.50
029317	NBC Supply Corp	Gloves, earplugs	610461.6			\$	506.00
029417	PFM Asset Management	Investment advisory services	610261			\$	1,622.46
029517	Waste Management	Garbage, November service	610021			\$	197.45

9617 U.S Bank	Canon - Copier rental Computer Source - Computer supplies	620041 \$ 341.0 620042.1 \$ 14.3		
		620042.1 \$ 14.3	0	
	Assess Flack dates and 2		-	
	Amazon - Flash drives, cable, monitor	620042.1 \$ 308.8	0	
	Amazon - Cable	620042.1 \$ 12.9	8	
	Telepacific - Communications	620042.1 \$ 1,088.4		
	Wal-Mart - Cameras	620042.1 \$ 131.0		
		·		
	The Home Depot - Iron grip	620141.1 \$ 16.4		
	Stericycle Waste Pickup	620141.3 \$ 188.5	3	
	Air -N-Water - Ice maker	620141.5 \$ 16.0	0	
	Amazon - (2) Computer Desks	620141.5 \$ 252.9	8	
	Amazon - Webcam	620141.5 \$ 105.5		
	The Home Depot - Blade	620141.5 \$ 17.5		
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	The Home Depot - Concrete Patch	·		
	The Home Depot - Corduct	620141.5 \$ 29.1		
	Mike's Feed - Orchard grass	620141.5 \$ 28.9	0	
	The Home Depot - Iron grip/rope	620141.5 \$ 34.4	7	
	Fisher Scientific - Pool testing	620141.7 \$ 144.6	1	
	Lampire - Chicken blood	620141.7 \$ 207.2		
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	Smart N Final - Water	·		
	HomeDepot.com - Bypass Lopper	620261 \$ 131.2		
	The Home Depot - Trash can	610122.2 \$ 89.5	7	
	Amazon - Windshield wiper blade	610141 \$ 44.6	1	
	Amazon - Battery Charger	610141 \$ 80.7	9	
	Austin Hardware - Gas spring	610141 \$ 193.8		
	GoDaddy - Hosting Linux Renewal	610022.3 \$ 9.9		
	, ,			
	Fastrak - Fastrak fee	610191.1 \$ 25.0		
	Chili's - Lunch for conference J.H	610191.3 \$ 17.0		
	Embassy Suites - Hotel for conference J.H	610191.3 \$ 238.3	7	
	Googie Grill - Lunch for conference E.C	610191.3 \$ 16.6	9	
	Embassy Suites - Hotel for conference E.C	610191.3 \$ 383.2		
	Krua Thai - Lunch for conference E.H & E.C			
	Sushi time - Dinner for conference E.H	610191.3 \$ 18.6		
	Embassy Suites - Hotel for conference E.H	610191.3 \$ 448.1	0	
	Old Fishermans - Dinner for conference	610191.3 \$ 68.7	4	
	Chili's - Lunch R.C	610191.3 \$ 44.7	6	
	McDonalds - Breakfast R.C	610191.3 \$ 9.1		
	Elk Priority - Parking	610191.3 \$ 10.0		
	McDonalds - Breakfast R.C	610191.3 \$ 4.0		
	AMCA - AMAC Annual meeting	610191.3 \$ 365.0	0	
	Southwest - Flight for conference	610191.3 \$ 147.9	6	
	GrubHub - Dinner for conference M.M	610191.3 \$ 19.6	0	
	Proabition - Dinner for conference M.M	610191.3 \$ 13.8		
	Dave N Busters - Lunch M.M (charged wrong amount)	610191.3 \$ 31.4		
	, ,			
	Marriot - Hotel for conference M.M	610191.3 \$ 322.9		
	Lucky - Board Supplies	610191.4 \$ 2.2		
	Lucky - Board Supplies	610191.4 \$ 22.9	8	
	Learn It- IT boot camp	610191.7 \$ 1,483.5	0	
	Learn It- IT boot camp	610191.7 \$ 1,483.5		
	·			
	Learn It- IT boot camp	610191.7 \$ 1,483.5		
	Learn It- IT boot camp refund	610191.7 \$ (1,483.5		
	Amazon - Goldfish flakes	610461.4 \$ 37.8		
	Constant Contract - Contract	610451 \$ 20.0	0	
	Intelius - Background check for payroll	610261.8 \$ 49.9	5	
	Sub-total		\$	8,835
ecial Warrant*	Total		\$	95,017.
	Annual Permit Fee	640464.50	¢	2,088.
717A State Water Resources Control Board	Allinai Felliill i ee	610461.52	\$	۷,000

ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT LIST OF WARRANTS DATED **DECEMBER 31, 2016**.

WAR NO	PAYEE	FOR	ACCT NO	AMT OF CHARGE	,	AMT OF WARRANT
029717	Biological Specialist	Total salary less deductions for payroll period	600001	2,829.68		VARIANT
029717	Mosq Control Tech	"	600001	\$ 2,250.00		
029717	Lab Seasonal	п	600001	\$ 916.91		
029717	Vector Biologist	н	600001	\$ 2,900.18		
029717	Vector Biologist	п	600001	2,875.09		
029717	Mosq Control Tech	п	600001	2,183.22		
029717	Environmental Specialist	п	600001	2,876.55		
029717	District Manager	п	600001	\$ 4,108.91		
029717	Asst Mosq Control Tech	H .	600001	\$ 2,164.67		
029717	IT Specialist	n .	600001	\$ 3,137.01		
029717	Entomologist	H .	600001	\$ 3,114.15		
029717	Field Supervisor	H .	600001	3,598.09		
029717	Finance Manager	Total salary less deductions for payroll period	600001	\$ 2,631.49		
029717	Office Assistant	"	600001	1,657.85		
029717	Vector Biologist	H .	600001	\$ 3,539.76		
029717	Mosq Control Tech	H .	600001	\$ 2,565.95		
029717	Mosq Control Tech	H .	600001	2,220.34		
029717	Mechanic Specialist	H .	600001	3,313.49		
029717	IRS	Federal Tax Withheld	600001	\$ 8,361.06		
029717		Medicare Tax Withheld	600001	\$ 935.34		
029717		District Contribution to Medicare	600401	\$ 935.32		
029717	State of California	State Tax Withheld	600001	\$ 2,643.21		
029717	EDD	Ca Disability	600001	\$ 571.12	\$	62,329.39
029817	Public Employees' Retire-	Employees contributions	600001	\$ 17.00		
	ment System	Employee paid member contributions, 7%, 6.5%	600001	\$ 4,649.19		
	·	District contribution 9.558%, 6.930%	600201	\$ 5,882.21	\$	10,548.40
029917	Aetna Life & Annuity	Employee contributions	600001		\$	150.00
030017	CalPERS 457 Plan	Employees contributions - PERS 457	600001		\$	2,960.00
030117	CalPERS	Health insurance	600601		\$	32,339.68
030217	The Hartford	Life insurance	600601		\$	78.71
030217	P. Robert Beatty	Trustee in lieu expenses - 1039th meeting	610191.5		\$	100.00
030317	Elizabeth Cooley	Trustee in lieu expenses - 1039th meeting	610191.5		\$	100.00
030617	Richard Guarienti	Trustee in lieu expenses - 1039th meeting	610191.5		\$	100.00
030717	Eric Hentschke	Trustee in lieu expenses - 1039th meeting	610191.5		\$	100.00
	Humberto Izquierdo	Trustee in lieu expenses - 1039th meeting	610191.5			
030817	Elisa Marquez	Trustee in lieu expenses - 1039th meeting	610191.5		\$	100.00
	Katherine Narum	Trustee in lieu expenses - 1039th meeting	610191.5			
030917	Wendi Poulson	Trustee in lieu expenses - 1039th meeting	610191.5		\$	100.00
031017	Ronald Quinn	Trustee in lieu expenses - 1039th meeting/ Signing checks	610191.5		\$	200.00
	Ursula Reed	Trustee in lieu expenses - 1039th meeting	610191.5			
031117	Jan Washburn	Trustee in lieu expenses - 1039th meeting	610191.5		\$	100.00
031217	George Young	Trustee in lieu expenses - 1039th meeting	610191.5		\$	100.00
031317	Airgas	Dry ice pellets	620141.1		\$	109.74
031417	Cintas	Personal supplies	610001	\$ 72.48		
		Laundry service	610011	\$ 364.16	\$	436.64
031517	Department of Public Health	Recertification for R.F	610461.53		\$	120.00
031617	Grainger	Washer bolt	610141	\$ 162.95		
		Lock nut	610461.6	\$ 181.29		
		Hex nut	620261	\$ 25.16	\$	369.40
031717	Kimball Midwest	Bearing ball, axle bearing	610141		\$	1,062.49
031817	Mar-Len Supply	Hose barb, motor mounts	610461.6		\$	307.48
031917	NBC Supply	Googles	610461.6		\$	39.60
032017	PG & E	Utilities	610021		\$	1,984.29
032117	Praxair	Nitrogen	620141.7		\$	76.44
032217	Pitney Bowes	Postage	620041		\$	94.82
032317	Quill	Stationery	620041		\$	100.01
032417	Sonitrol	Monitoring charges and CCTV Fees	620021		\$	1,277.00
032517	Techniclean	Towels	620021		\$	65.82
032617	VCJPA	Employee Assistance Program	610261.4		\$	217.92
032717	Verizon	Communication expenses	610022.4		\$	416.77
032817	Wright Express	Fuel expenses, statement ended 12-15-16	610191.1		\$	1,977.56
		Total Warrants December 31st			\$	118,262.16
		Total Warrants December 15th & Special			\$	97,105.51
		Total December Warrants			\$	215,367.67

Alameda County Mosquito Abatement District Budget Summary As of December 30, 2016, (5 of 12 mth, 41%)

EXPENDED IN Account # (November) EXPENDED TO DATE BUDGETED BALANCE % EXPENDED SALARY & BENEFITS Salary and Wages \$
Contribution to Medicare \$ 854,844.78 \$ 1,700,594.00 \$ 10,588.10 \$ 24,659.00 \$ 50% 43% 600001 137,081.99 \$ 845,749.22 14,070.90 600401 1,852.26 600201 Contribution to Retirement \$ 11.773.33 353.901.90 422.589.00 68.687.10 84% SERVICE AND SUPPLIES 610001 Clothing and personal supplies 249.86 2,224.07 \$ 8,500.00 6,275.93 26% 610011 Laundry services and supplies 966.12 4.409.67 S 9.000.00 4.590.33 49% 610021 Utilities total 2,865.25 13,508.07 \$ 35,900.00 \$ 22,391.93 38% Communications Telephone Service & Internet \$ 13,800.00 610022.1 4,681.58 9.118.42 34% 9.99 \$ 610022.3 Website and email hosting \$ 88.38 \$ 850.00 \$ 761.62 10% 610022.4 Cell phone service (Verizon) 416.77 3,307.83 9,000.00 5,692.17 37% 610141 Maintenance of equipment 1,624.56 8,291.56 \$ 45,000.00 36,708.44 18% 610122 Maintenance of structure and improvements 1.170.00 \$ 3.600.00 \$ 2.430.00 610122.1 Landscaping service \$ 195.00 \$ 33% 10,000.00 \$ 1,400.00 \$ 610122.2 Building Maintenance and repairs \$ 89.57 5,057.07 10,000.00 4,942.93 51% Yard Maintenance and repairs \$ \$ 1,400.00 0% 610122.3 Transportation, travel, & training 610191.1 Fuel and GPS (WexMart) \$ 2,002.56 \$ 19,457.15 \$ 40,000.00 20,542.85 49% Meetings, conferences, & travel \$
Board meeting expenses \$ 35,000.00 1,000.00 16% 17% 610191.3 2,220.13 5,599.12 \$ 29,400.88 610191.4 25.27 11.600.00 610191.5 Board payments in lieu \$ 1.200.00 5.200.00 \$ 16.800.00 31% Continuing Education fees \$ 610461.53 120.00 145.00 4,000.00 3,855.00 4% 0% 610191.6 Training for trustees \$ 1,000.00 1,000.00 Staff Training (automotive, IT, staff development) \$ 6.850.84 \$ 610191.7 2.967.00 \$ 80,000.00 \$ 73,149.16 9% 610261.1 Audit \$ 4.980.00 13.000.00 8.020.00 38% Actuarial reports \$ 3,000.00 1,700.00 43% 610261.2 1,300.00 Helicopter service \$
Legal services \$ - \$ 14,755.84 \$ 0% 74% 0% 610261.3 30.000.00 30.000.00 20,000.00 5,000.00 5,244.16 5,000.00 610261.4 217.92 MVCAC Research Foundation 610261.5 UC Davis Zika virus vector competancy research \$
Tax collection service - SCI \$ 7.500.00 610261.6 7,500.00 100% 35,000.00 18,878.02 46% 49.95 610261.8 Payroll service \$ 49.95 \$ 6.000.00 5.950.05 1% 610261.9 Environmental consultant services for regulatory issues 5,000.00 5,000.00 0% 0% 99.90 HR Services (RGS) \$ 25,000.00 24,900.10 610261.1 22,100.00 22,935.00 13,803.92 7,760.00 610261.11 OPEB service \$ 1.622.46 8 296 08 \$ 38% 15,175.00 66% 610351 Annual memberships and dues total 610378 Insurance total 113.867.00 \$ 140.138.00 26.271.00 81% 610451 Community education total 20.00 4,319.11 35,000.00 30,680.89 12% \$ Special expenses 610461.1 Pesticides \$ 27,906.66 200,000.00 \$ 172,093.34 14% \$ Field supplies (dippers etc) \$
Fish and Fish Maint. 1,000.00 4,000.00 4% 31% 610461.2 37.83 37.83 962.17 610461.4 1,227.03 2,772.97 610461.51 Aerial Pool Survey 17 000 00 17 000 00 0% 610461.52 2,088.00 3,232.00 3,000.00 (232.00) 108% 0% Permits \$ Board plagues and nameplates 610461.54 1.000.00 1.000.00 610461.6 8,731.02 6,758.32 38% 53% Spray equipment & Safety 2.304.87 5,268.98 \$ 14,000.00 1,642.82 620021 Household expenses total 7,721.68 14,480.00 620041 Office supplies total 998.44 7.599.64 \$ 22,400.00 14,800.36 34% 620042 Information technology 620042.1 620042.2 Computers, supplies and software \$
Contract services for Computer network \$ 1,571.96 \$ 5,816.87 \$ 15.000.00 \$ 9.183.13 39% 4,000.00 300.00 3,700.00 8% 620042.3 Database consultant \$ 4.717.50 \$ 25.000.00 20.282.50 19% 29,413.37 620141 Laboratory total 1.321.09 59,180.63 620261 Small tools and instruments 156.36 1 606 95 2 500 00 893.05 64% 544,731.00 650011 Structure/ improvement 952.77 544,731.00 0% \$ 650031.1 Capital expenditures 161.581.47 295.000.00 133.418.53 55% TOTAL EXPENDITURES \$ 215,367.67 \$ 1,971,952.83 \$ 4,584,070.00 \$ 2,612,117.17 43% TOTAL WARRANTS 215,367.67

\$

Discrepancy from Expenditures and Warrant list

Investments, Reserves, and Cash Balance Beginning Balan

					Beginning Balance			
Account #		Acit	tivity in December	Activity to Date	7/1/16		Current Balance	% change
	Budget Reserves							
800001	Working Capital (Dry Period Cash)	\$	-	\$ -	\$ 2,427,743.00	\$	2,427,743.00	0.0%
800002	Capital Replacement			\$ 3,580.06	\$ 544,731.00	\$	541,150.94	-0.7%
800003	Public Health	\$	-	\$ -	\$ 500,000.00	\$	500,000.00	0.0%
800004	Contingency	\$	-	\$ -	\$ 25,000.00	\$	25,000.00	0.0%
	VCJPA Reserve							
800006	VCJPA Contingency	\$	-	\$ 77,000.00	\$ 210,282.00	\$	287,282.00	36.6%
		No	ovember Balance			- 1	December Balance	% change
	Investment Accounts							
800005	LAIF	\$	150,343.29			\$	150,343.29	0.0%
	OPEB Fund	\$	3,838,925.73			\$	3,928,986.62	2.3%

	Nov	ember Balance	D	December Expenditures	Deposits ¹	De	ecember Balance	% change
Bank of America (Payroll Account)						\$	140,137.68	
County Account	\$	3,638,484.84	\$	215,367.67	\$ 1,535,070.32	\$	5,388,922.83	32.5%

¹Property tax deposits occur in December and April



T: (510) 783-7744 F: (510) 783-3903

acmad@mosquitoes.org

MONTHLY STAFF REPORT - December 2016

Board of Trustees

President
Richard Guarienti
Dublin
Vice-President
Kathy Narum
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Humberto Izquierdo **County at Large** Wendi Poulson Alameda P. Robert Beatty Berkelev **Betsy Cooley Emeryville** George Young Fremont Elisa Marquez Hayward James N. Doggett Livermore Eric Hentschke Newark Jan O. Washburn **Oakland** Ed Hernandez San Leandro Ronald E. Quinn

Ryan Clausnitzer *District Manager*

Union City

1. **OPERATIONS**

A. Narrative

OPERATIONS REPORT DECEMBER 2016

The district received eighteen service requests in the month of December, eleven were requests for mosquitofish. As is typical in Alameda County, December tends to be a period in which our summer species of mosquitoes are sequestered in sheltered areas until spring. Our winter species are hatching-out due to rain filling mosquito breeding sources, or laying eggs. This makes for fewer adult mosquitoes active in the environment.

December inspection and treatment focus was on *Aedes squamiger, Culiseta inornata*, and *Aedes washinoi*. The last sets of "king tides" for 2016 occurred in December. These tides prompted inspections of the District's tidal sources. As anticipated (due to the time of year, temperature, and environmental conditions), very few *Aedes dorsalis* larvae were collected and few mosquito sources required treatment for this species. Inspections for *Aedes sierrensis* larvae continued throughout December as well.

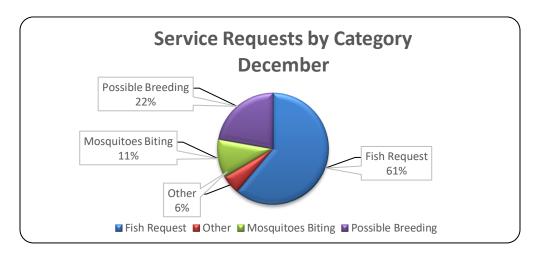
Field staff has been working with I.T. to tighten up mosquito source data for the transition to the District's new database, Mapvision. Having accurate location data and current mosquito source information will be important in the implementation of the new system. This will allow ACMAD to move forward with new technology and updated information while preserving important historical information for mosquito sources throughout the county.

The contractors hired by the East Bay Regional Park District to remove bulrush from Hayward Marsh completed the project and their equipment was removed from the marsh. ACMAD will now be able to inspect and treat all areas of the marsh as needed. The initial results look promising. As with all our *Culex* species of mosquitoes, *Culex erythrothorax* numbers drop significantly in the winter months. Spring will be the real test and should yield results as to the effectiveness of this project. We are very optimistic at this point and look forward to investigating the results via the ACMAD field and lab staff.

Joseph Huston Field Operations Supervisor

B. Operational Data

1. Service Requests



December					
Total Service Requests	=18				
Ten-year average	=19				
Five-year average	=20				
Last Year	=20				
Range (10 yr) =	= 9-42				

Mosquito species attributed to	
service request	#
Culista incidens	5
Culex pipiens	1
Culiseta inornata	1
Culexx stigmatosoma	1
Culex tarsalis	1
Drain flies (Psychodidae)	1

2. Other

Number of all injuries during 2016 = 3

3. Activity Report

Vacation Hours Used	248
Sick Hours Used	63
Workers Comp.	2
ETO Used	25.75
Total Leave	338.75
ETO Hours Accrued	11.25

2. LAB

Summary

- Weather was cool and rainy, resulting in low mosquito abundance throughout the County during the month of December.
- No detections of arboviruses in birds or mosquitoes during December, 2016.
- Three Abstracts describing research conducted by the Lab and Operations were submitted to the MVCAC for presentation at the 2017 Annual Meeting.
- Two research papers for submission to The Journal of the American Mosquito Control Association are in preparation. The proposed titles are:
 - "Culex erythrothorax: Temporal Pattern of Adult Activity and Resistance to Pesticides". Collaboration with San Mateo County Mosquito and Vector Control District.
 - "Field evaluation of a redesigned oviposition trap to monitor gravid invasive Aedes mosquitoes". Collaboration with Madera County Mosquito & Vector Control District.
- Study of pesticide resistance in *Cx. erythrothorax* collected at the Hayward Regional Shoreline is nearly complete. Results from studies conducted in December 2016 are:
 - o Cx. erythrothorax are more sensitive than the lab colony of Cx. pipiens to naled.
 - O Biochemical enzyme activity assays show significantly higher levels of oxidase in Cx. erythrothorax relative to the lab colony of Cx. pipiens. Significantly lower levels of glutathione-S-transferase were observed for Cx. erythrothorax relative to Cx. pipiens. Similar levels of alpha-esterase and insensitive acetylcholinesterase were observed for both species.

Budget

As of December 31, 2016, (month 6 of 12, 50 % of the year), 33 % of the lab budget has been expended.

Mosquito Abundance Monitoring

• Native mosquito abundance monitoring. Weather for the month of December remained cool with rain, which is not supportive of adult mosquitoes seeking hosts for breeding (temperature range of 35 - 67 °F, with 3.48 inches of rain in Hayward, CA (data from Vantage Pro2 weather station installed at ACMAD); Figure 1). Thus, CO₂ trapping for December 2016 was focused upon assessing mosquito abundance in the marsh habitats of Alameda County, along the San Francisco Bay. The purpose of this winterseason CO₂ trapping in the marsh is to establish a baseline for mosquito abundance, when it is lowest. For December 2016, CO₂ traps in the marsh collected a total of 56 mosquitoes, an average of 1.69 mosquitoes per trap night. New Jersey Light Traps (NJLT) were used to monitor mosquito abundance elsewhere in the County during December 2016. A total of 234 mosquitoes were caught in NJLT during December 2016; an average of 0.60 mosquitoes per trap night.

Invasive Aedes mosquito monitoring (prepared by Dereje Alemayehu, Biological Specialist). The Lab has continued to deploy traps targeting invasive Aedes mosquitoes. However, to date there has been no detection of invasive Aedes mosquitoes collected in any of the invasive Aedes traps we have deployed throughout the County. For the month of December, we had a total of 142 invasive Aedes mosquito traps deployed throughout Alameda County. Out of these, 56 traps are AGO (autocidal gravid oviposition) traps and 86 are ovi-bucket traps. The above figures include the 24 pairs of traps deployed in five different cities due to reports from Alameda County Public Health Department of human travel-related cases of arboviruses that can be transmitted by invasive Aedes mosquitoes (total of 6 travel-related human cases of arbovirus disease for December, 2016). The following table shows the summary of invasive mosquito traps deployed in Alameda County.

TRAP DURATION	AGO	OVI	TOTAL # OF TRAPS
ALL YEAR	32	62	94
TEMPORAY (TRAVEL CASES)	24	24	48
TOTAL	56	86	142

Arbovirus Monitoring

• WNV in birds and mosquitoes. No WNV-positive birds or mosquitoes were detected in Alameda County for the month of December. For the year 2016, 11 dead birds and 2 mosquito pools were found to contain WNV, which is substantially lower than the prior two years. During 2015, 19 birds and 16 mosquito pools were found to contain WNV, while in 2014, 97 birds and 16 mosquitoes were WNV-positive. This data suggests that the risk to humans acquiring WNV in Alameda County was lower for 2016 relative to the prior two years.

Research

• Resistance of adult *Cx. erythrothorax* to pesticides. During December, the Lab conducted CDC bottle bioassays to evaluate the susceptibility of *Culex erythrothorax* that were collected from the Hayward Regional Shoreline and a susceptible lab strain of *Cx. pipiens* to the organophosphate insecticide, naled. This insecticide proved the most effective adulticide for controlling invasive *Aedes* mosquitoes in Florida. Our studies show that relative to the susceptible lab colony of *Cx. pipiens*, the *Cx. erythrothorax* were 5.19-fold more susceptible to naled (Figure 2). The activity of pesticide detoxifying enzymes in *Cx. erythrothorax* were compared to those isolated from the susceptible lab colony of *Cx. pipiens* (Figure 3). The results show significantly higher oxidase activity in *Cx. erythrothorax* relative to *Cx. pipiens* (Unpaired t test, P = 0.0254). Both species had similar levels of alpha-esterase and glutathione-S-transferase (GST) activities, and negligible levels of insensitive acetylcholine esterase (Unpaired t tests, P > 0.08). The higher resistance of *Cx. erythrothorax* to resmethrin relative to *Cx. pipiens* (not shown) may have been mediated by the increased oxidase activity.

Figures

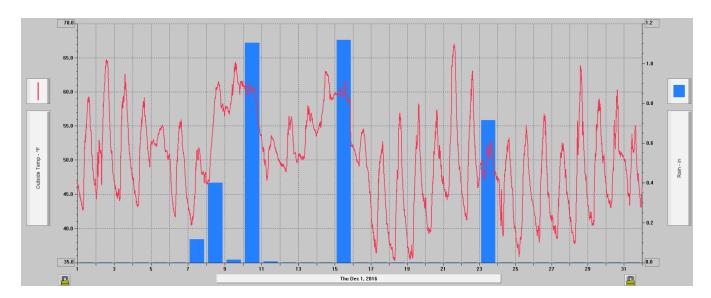


Figure 1. Temperature (red line) and rainfall (blue bars) during the month of December, 2016.

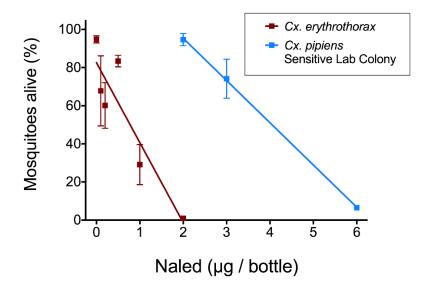


Figure 2. Naled resistance of *Cx. erythrothorax* collected from Hayward Regional Shoreline compared to a susceptible lab colony of *Cx. pipiens*. *Cx. erythrothorax* were 5.19-fold more susceptible to the organophosphate insecticide naled, relative to *Cx. pipiens* (R square > 0.8261 for all linear regressions).

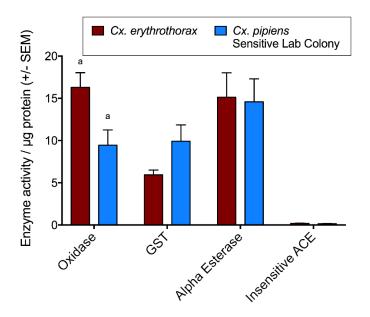


Figure 3. Activity of enzymes that metabolize insecticides in *Cx. erythrothorax* collected from Hayward Regional Shoreline relative to a susceptible lab colony of *Cx. pipiens*. There was significantly higher oxidase activity in *Cx. erythrothorax* relative to *Cx. pipiens* (Unpaired t test, P = 0.0254). GST and alpha esterase activity were similar for both species (Unpaired t tests, P > 0.08) while levels of insensitive acetylcholine esterase (ACE) were negligible.

Submitted respectfully by Eric Haas-Stapleton, PhD on January 5, 2016

3. PUBLIC EDUCATION

A. Upcoming Events

- STEAM Night Thursday, January 19th, 6pm-8pm (Thomas Hart Middle School, Pleasanton)
- **Spring Home & Garden Show** Friday, February 17 Sunday, February 19, 11am-6pm (Alameda County Fairgrounds, Pleasanton)

B. Google Analytics

	December 2016	November 2016	December 2015
Number of Sessions	906	1,324	960
Users	711	1,018	821
Pageviews	1,706	2,536	2,181
Average Session 1 minute 37 seconds Duration		1 minute 54 seconds	2 minute 25 seconds
New Visitors	673 (74.3%)	978 (73.9%)	815 (84.9%)
Top Cities	Hayward (10%), San Francisco (7.3%), Not Set (5.5%), Oakland (4.4%), Saint Petersburg (2.1%)	Not Set (6%), Hayward (5.7%), Saint Petersburg (5.4%), San Francisco (4.9%), Los Angeles (2.3%)	Not Set (15.1%), Hayward (5.6%), Fort Lauderdale (5.3%), San Francisco (3.1%), Oakland (2.6%)
Top Pages	Homepage (24.6%), Education (12.1%), California Species (9.7%), Mosquito Lifecycle (4.5%), About-Staff (3.1%)	Homepage (22%), California Species (13.5%), Education (11.6%), Mosquito Lifecycle (4.4%), Mosquito-borne Diseases (2.9%)	Homepage (23.1%), Education (10.3%), Mosquito Lifecycle (5.4%), About-Staff (4%), History (3.1%)

C. Facebook

	December 2016	November 2016
Total Posts	5	2
Number Reached	97	62
Most Popular	CDC estimates of Zika related birth defects	Zika interview w/ CDC Director
Total Number of "Likes"	115	113

D. Twitter

	December 2016	November 2016
Total Tweets	5	2
Tweet Impressions	750	668
Top Tweet (# Impressions)	Zika precautions during holiday travel (120)	How to mosquito proof rain barrels (101)
Profile Visits	37	17
New Followers (Total Followers)	7 (443)	10 (436)



STATEMENT OF ECONOMIC INTERESTS COVER PAGE

Please type or print in ink.

NAME OF FILER	(LAST)	(FIRST)	(MIDDLE)
1. Office, Agency, or	Court		
Agency Name (Do not u	ise acronyms)		
Division, Board, Department	ent, District, if applicable	Your Position	
► If filing for multiple po	sitions, list below or on an attachment. (I	Do not use acronyms)	
Agency:		Position:	
2. Jurisdiction of Of	fice (Check at least one box)		
State		☐ Judge or Court Commiss	ioner (Statewide Jurisdiction)
☐ Multi-County		County of	
City of		Other	
3. Type of Statemen	t (Check at least one box)		
Annual: The period December	covered is January 1, 2016, through	Leaving Office: Date L	eft/
-or- The period December	covered is/, 31, 2016.	leaving office.	s January 1, 2016, through the date of
Assuming Office:	Date assumed/	-or- The period covered the date of leaving of	s/, through ffice.
Candidate: Election	year and office	sought, if different than Part 1:	
		number of pages including this co	ver page:
Schedules attac	nea		
	Investments – schedule attached		Business Positions – schedule attached
<u> </u>	Investments – schedule attached eal Property – schedule attached	Schedule D - Income - Gifts -	schedule attached Travel Payments – schedule attached
-Or-	ear roperty – solledule attaclied	Ochedule L - Income - Onto -	Traver i ayments – scriedule attached
☐ None - No report	rtable interests on any schedule		
5. Verification			
MAILING ADDRESS (Business or Agency Address R	STREET ecommended - Public Document)	CITY STA	TE ZIP CODE
DAYTIME TELEPHONE NUMBER	ER .	E-MAIL ADDRESS	
()			
	e diligence in preparing this statement. I hed schedules is true and complete. I ack	have reviewed this statement and to the best nowledge this is a public document.	of my knowledge the information contained
I certify under penalty of	of perjury under the laws of the State of	of California that the foregoing is true and	correct.
Nata Signad		Signatura	
Date Signed	(month, day, year)	Signature(File the originally s	gned statement with your filing official.)

Instructions Cover Page

Enter your name, mailing address, and daytime telephone number in the spaces provided. Because the Form 700 is a public document, you may list your business/office address instead of your home address.

Part 1. Office, Agency, or Court

- Enter the name of the office sought or held, or the agency or court. Consultants must enter the public agency name rather than their private firm's name. (Examples: State Assembly; Board of Supervisors; Office of the Mayor; Department of Finance; Hope County Superior Court)
- Indicate the name of your division, board, or district, if applicable. (Examples: Division of Waste Management; Board of Accountancy; District 45). Do not use acronyms.
- Enter your position title. (Examples: Director; Chief Counsel; City Council Member; Staff Services Analyst)
- If you hold multiple positions (i.e., a city council member who also is a member of a county board or commission), you may be required to file statements with each agency.
 To simplify your filing obligations, you may complete an expanded statement.
- To do this, enter the name of the other agency(ies) with which you are required to file and your position title(s) in the space provided. Do not use acronyms. Attach an additional sheet if necessary. Complete one statement covering the disclosure requirements for all positions. Each copy must contain an original signature. Therefore, before signing the statement, make a copy for each agency. Sign each copy with an original signature and file with each agency.

If you assume or leave a position after a filing deadline, you must complete a separate statement. For example, a city council member who assumes a position with a county special district after the April 1 annual filing deadline must file a separate assuming office statement. In subsequent years, the city council member may expand his or her annual filing to include both positions.

Example:

Scott Baker is a city council member for the City of Lincoln and a board member for the Camp Far West Irrigation District – a multi-county agency that covers Placer and Yuba counties. Scott will complete one Form 700 using full disclosure (as required for the city position) and covering interests in both Placer and Yuba counties (as required for the multi-county position) and list both positions on the Cover Page. Before signing the statement, Scott will make a copy and sign both statements. One statement will be filed with City of Lincoln and the other will be filed with Camp Far West Irrigation District. Both will contain an original signature.

Part 2. Jurisdiction of Office

- Check the box indicating the jurisdiction of your agency and, if applicable, identify the jurisdiction. Judges, judicial candidates, and court commissioners have statewide jurisdiction. All other filers should review the Reference Pamphlet, page 13, to determine their jurisdiction.
- If your agency is a multi-county office, list each county in which your agency has jurisdiction.

If your agency is not a state office, court, county office, city
office, or multi-county office (e.g., school districts, special
districts and JPAs), check the "other" box and enter the
county or city in which the agency has jurisdiction.

Example:

This filer is a member of a water district board with jurisdiction in portions of Yuba and Sutter Counties.

Part 3. Type of Statement

1. Office, Agency, or Court				
Agency Name (Do not use acronyms)				
Feather River Irrigation District				
Division, Board, Department, District, if applicable	Your Position			
N/A	Board Member			
Agency: N/A	Position:			
. Jurisdiction of Office (Check at least one box)				
State	Judge or Court Commissioner (Statewide Jurisdiction)			
Multi-County Yuba & Sutter Counties	County of			
City of	Other			

Check at least one box. The period covered by a statement is determined by the type of statement you are filing. If you are completing a 2016 annual statement, **do not** change the pre-printed dates to reflect 2017. Your annual statement is used for reporting the **previous year's** economic interests. Economic interests for your annual filing covering January 1, 2017, through December 31, 2017, will be disclosed on your statement filed in 2018. See Reference Pamphlet, page 4.

Combining Statements: Certain types of statements may be combined. For example, if you leave office after January 1, but before the deadline for filing your annual statement, you may combine your annual and leaving office statements. File by the earliest deadline. Consult your filing officer or the FPPC.

Part 4. Schedule Summary

- Complete the Schedule Summary after you have reviewed each schedule to determine if you have reportable interests.
- Enter the total number of completed pages including the cover page and either check the box for each schedule you use to disclose interests; or if you have nothing to disclose on any schedule, check the "No reportable interests" box.
 Please do not attach any blank schedules.

Part 5. Verification

Complete the verification by signing the statement and entering the date signed. All statements must have an original "wet" signature or be duly authorized by your filing officer to file electronically under Government Code Section 87500.2. Instructions, examples, FAQs, and a reference pamphlet are available to help answer your questions. When you sign your statement, you are stating, under penalty of perjury, that it is true and correct. Only the filer has authority to sign the statement. An unsigned statement is not considered filed and you may be subject to late filing penalties.