



Coachella Valley
Mosquito and Vector
Control District

43420 Trader Place
Indio, CA 92201
Phone (760) 342-8287
www.cvmvcd.org

Board of Trustees Meeting

Tuesday, March 14, 2017

6:00 p.m.

AGENDA

Assistance for those with disabilities: If you have a disability and need accommodation to participate in the meeting, please call the Clerk of the Board at (760) 342-8287 for assistance so the necessary arrangement can be made.

1. **Call to Order** – Doug Walker, President
2. **Pledge of Allegiance**
3. **Roll Call**
4. **Motion to Excuse Absences**
5. **Confirmation of Agenda**
6. **Public Comment**
 - Those wishing to address the Board should complete a Public Comment Card and provide it to the Clerk of the Board.
 - Non-Agenda Items: Anyone wishing to address the Board on items not on the agenda should do so at this time. Each presentation is limited to no more than 3 minutes.
 - Agenda Items: Comments should be made when the agenda item is called. Each presentation is limited to no more than 3 minutes.
7. **Announcements**
 - Trustee Recognition – **Doug Walker, Board President**
 - General Manager's Report – **Jeremy Wittie, MS, General Manager**
 - Date Festival Summary – **Edgar Castro, Public Outreach Coordinator**
 - Environmental Update – **Jennifer Henke, MS, Laboratory Manager**

8. **Board Reports**
- A. President's Report – **President Walker**
 - Executive Committee (**Pg. 1**)
 - B. Finance Committee – **Treasurer Kaplan**
 - C. ad hoc Thermal Committee – **Vice-President Hassett**
9. **Items of General Consent**
- The following items are routine in nature and may be approved by one blanket motion upon unanimous consent. Any member of the Board or the public may request an item be pulled from Items of General Consent for separate discussion.
- A. Minutes for February 7, 2017, Board Meeting (**Pg. 5**)
 - B. Correspondence (**Pg. 10**)
 - C. Approval of Expenditures for February 7-28, 2017 and March 1-14, 2017 (**Pg. 11**)
 - D. Informational Items:
 - District Travel (**Pg. 18**)
 - Cancellation of April Board Meeting (**Pg. 19**)
 - Treasurer to Approve Release of Payment to Vendors for April (**Pg. 20**)
 - National Pollutant Discharge Elimination System (NPDES) Annual Report – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 21)**
 - EPA Pesticide Environmental Stewardship Program (PESP) – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 25)**
 - California Environmental Quality Act (CEQA) Mitigated Negative Declaration Annual Compliance Report – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 34)**
 - Staff reports from:
 - MVCAC Lobby Day, February 6-7, 2017, in Sacramento, CA (**Pg. 43**)
 - AMCA Annual Conference, February 13-17, 2017, in San Diego, CA (**Pg. 44**)
 - E. Department Reports (**Pg. 45**)
 - F. Approval to renew annual maintenance contract with ESRI in an amount not to exceed \$19,000.00, from Fund #7675.01.210, Computer and Network Systems Maintenance Contracts – **Edward Prendez, Information Systems Manager (Pg. 64)**
 - G. Approval to contract with Aerial Services for aerial reconnaissance services of the Coachella Valley's urban areas for neglected water features, in the amount not to exceed \$18,500.00, from Fund #7575.01.210, Aerial Surveillance – **Edward Prendez, Information Technology Manager (Pg. 66)**

- H. Approval of Resolution 2017-04 designating the week of April 16-22, 2017, as Mosquito Awareness Week and funding for the Spring Advertising campaign in an amount not to exceed \$36,000.00, from Existing Budget Funds – **Jill Oviatt, MCDM, Public Information Manager (Pg. 67)**
- I. Approval for State Department Employee, David Jones, to attend the MVCAC Annual Conference, March 26-29, 2017, in San Diego, CA, in an amount not to exceed \$1,200.00 – **Jeremy Wittie, MS, General Manager (Pg. 71)**
- J. Approval for Human Resources Manager to attend the Government Finance Officers Association's (GFOA) Annual Conference, May 21-24, 2017, in Denver, Colorado, in an amount not to exceed \$1,500.00 from Fund #7600.01.02, Professional Development – **Anita Jones, Human Resources Manager (Pg. 78)**
- K. Approval of Resolution 2017-05 Subordination Request Relating to Proposed Refunding Bond Issue for Desert Communities Redevelopment Project Area of the Successor Agency to the Redevelopment Agency for the County of Riverside – **David I'Anson, Administrative Finance Manager (Pg. 79)**
- L. Approval of Resolution 2017-06 Subordination Request Relating to Proposed Refunding Bond Issue for Mid-County Project Area of the Successor Agency to the Redevelopment Agency for the County of Riverside – **David I'Anson, Administrative Finance Manager (Pg. 87)**
- 10. **Old Business**
 - A. Update on the status and discussion about Strategic Plan 2015-17 – **Jeremy Wittie, MS, General Manager (Pg. 97)**
 - B. Discussion and/or approval to contract with a Civil Engineer to draw plans for extending the asphalt pavement to the currently unpaved north east section of the Thermal Yard – **Jeremy Wittie, MS, General Manager (Pg. 98)**
- 11. **New Business**
 - A. Discussion and/or approval to contract for Services with NetworkFleet Inc. for Fleet Telematics, a Global Positioning System (GPS) Vehicle Tracking System, in an amount not to exceed \$13,000.00, from Fund #7675.01.300, Maintenance Contracts – **Edward Prendez, Information Systems Manager (Pg. 101)**
 - B. Legal Counsel Update regarding New California Supreme Court Decision on Public Records Act relating to data on privately owned devices and discussion of implications of case – **M. Katherine Jenson, General Counsel (Pg. 103)**
- 12. **Closed Session**
 - A. **Closed Session:** Conference with Labor Negotiations District Representatives: Mark H. Meyerhoff, Chief Negotiator and Jeremy Wittie, MS, General Manager; Employee Organization: Teamsters, Local 911, and California School Employees Association ("CSEA"), Chapter 2001

13. **Trustee Comments, Requests for Future Agendas Items, Travel, and/ or Staff Actions**

The Board may not legally take action on any item presented at this time other than to direct staff to investigate a complaint or place an item on a future agenda unless (1) by a majority vote, the Board determines that an emergency situation exists, as defined by Government Code Section 54956.5, or (2) by a two-thirds vote, the board determines that the need for action arose subsequent to the agenda being posted as required by Government Code Section 54954.2(a). Each presentation is limited to no more than 3 minutes.

14. **Adjournment**

At the discretion of the Board, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 43420 Trader Place, Indio, California

Certification of Posting

I certify that on March 10, 2017, I posted a copy of the foregoing agenda near the regular meeting place of the Board of Trustees of the Coachella Valley Mosquito & Vector Control District, said time being at least 72 hours in advance of the meeting of the Board of Trustees (Government Code Section 54954.2)

Executed at Indio, California, on March 10, 2017.

Crystal G. Moreno, Clerk of the Board

SECTION
8



BOARD REPORTS

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Executive Committee Meeting Minutes

TIME: 4:00 P.M. MARCH 6, 2017

LOCATION: 43420 Trader Place, Indio, CA 92201

TRUSTEES PRESENT:

Cathedral City	Shelley Kaplan	La Quinta	Doug Hassett
Coachella	Betty Sanchez	Palm Desert	Doug Walker

OTHERS PRESENT:

Jeremy Wittie, General Manager
David l'Anson, Administrative Finance Manager
Crystal Moreno, Clerk of the Board

1. Call to Order: President Walker called the meeting to order at 4:11 P.M.

2. Roll Call: Roll call indicated four (4) committee members out of four (4) were present.

3. Confirmation of Agenda

4. Public Comments: None.

5. Review of March 14, 2017, Board Agenda:

The draft Agenda for the March Board Meeting was reviewed by the Committee. A discussion ensued. The Committee requested: adding an item under Announcements for Trustee Recognition, adding an item under Board Reports for the ad hoc Thermal Committee update, and adding an item under New Business to hire a Civil Engineer.

6. Strategic Planning:

General Manager Wittie gave a brief update on the District's future Strategic Planning needs.

7. Trustee Comments:

President Walker commented on the local wild flower bloom and recommended finding a chance to go out and see them.

8. Confirmation of Next Meeting Date: The next Executive Committee Meeting was scheduled for April 27, 2017 at 4:00 P.M.

9. Adjournment: The meeting was adjourned by President Walker at 4:48 P.M.

SECTION

9



ITEMS OF GENERAL CONSENT

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

Board of Trustees Meeting Minutes

CALLED TO ORDER: 6:00 P.M. FEBRUARY 7, 2017

LOCATION: 43420 Trader Place, Indio, CA 92201

TRUSTEES PRESENT:

PRESIDENT:	Doug Walker	Palm Desert
TREASURER:	Shelley Kaplan	Cathedral City

County at Large
County at Large
Desert Hot Springs

Franz DeKlotz
Bito Larson
Adam Sanchez

Indio
Palm Springs

John B. Stevens
Dr. Doug Kunz

TRUSTEES ABSENT:

Coachella
Indian Wells

Betty Sanchez
Clive Weightman

La Quinta
Rancho Mirage

Doug Hassett
Michael Monroe

OTHERS PRESENT:

Jeremy Wittie, General Manager
Kathy Jenson, Legal Counsel
David l'Anson, Administrative Finance Manager
Anita Jones, Human Resources Manager
Jill Oviatt, Public Outreach Manager
Edward Prendez, IT Manager
Rod Chamberlain, Interim Operations Manager
Kim Hung, Vector Ecologist
Crystal Moreno, Clerk of the Board
Olde Avalos, Field Supervisor
Mike Martinez, Field Supervisor
Brad Anderson, VCT I

1. **Call to Order:** President Walker called the meeting to order at 6:05pm.
2. **Pledge of Allegiance:** Trustee Larson led the Pledge of Allegiance.
3. **Roll Call:** Roll call indicated seven (7) Trustees out of eleven (11) were present.
4. **Motion to Excuse Absences:** On motion from Treasurer Kaplan seconded by Trustee A. Sanchez, and passed by unanimous vote, the Board of Trustees excused the absences of Trustees Hassett, Monroe, B. Sanchez, and Weightman.

Ayes: Trustees DeKlotz, Kaplan, Kunz, Larson, A. Sanchez, Stevens, and Walker.

Noes: None.

Abstained: None.

Absent: Trustees Hassett, Monroe, B. Sanchez, and Weightman.

5. Confirmation of Agenda

6. Public Comment: Dale Tyerman, a resident of the City of La Quinta, made a comment regarding the fly problem that is occurring in the area of the Trilogy Community.

7. Announcements:

General Manager's Report: General Manager Wittie reported that the District's Annual Report was distributed at tonight's meeting. He gave an update on upcoming items, such as, focusing on the greatest risks to public health from vectors, Aedes, collaborative relationships, negotiations, and strategic planning. General Manager Wittie announced that Jennifer Henke, MS, has been promoted to the position of Laboratory Manager. He reported that district staff had seven publications in the MVCAC Annual Proceedings, and that the Beyond the Bite Academy would be beginning this week. He also provided an update on MVCAC Lobby Day, the District's surveillance and control efforts, CDC Zika Funding, and the Trilogy fly issue.

Public Outreach Update: Public Information Manager Jill Oviatt gave an update on the three upcoming public outreach events: the Date Festival, Indio Block Party, and the Fight the Bite 5K.

8. Board Reports:

8A – President's Report: Executive Committee Met: President Walker encouraged Trustees to attend the upcoming MVCAC Annual Conference and/or CSDA Annual Conference. He also provided a brief history on the District going dark in April, reminded Trustees to submit their Form 700, and announced the 2017 committee assignments. Additionally, President Walker commended the staff for the job they're doing and thanked Public Information Manager Oviatt for her work with the media.

8B – Finance Committee: No meeting due to lack of quorum: Treasurer Kaplan reported that he and President Walker reviewed the finances and that a check was cut early for the District's recent truck purchase, to be able to receive a \$500, per truck, rebate. He also reported that the District had received \$3.5 million in revenue and are reviewing the recent CalPERS circular to see how it will impact the District's CalPERS expenses.

9. Items of General Consent:

- A. Minutes for January 10, 2017, Board Meeting
- B. Correspondence

- C. Approval of Expenditures for January 11-31, 2017 and February 1-7, 2017
- D. Informational Items:
 - District Travel
- E. Department Reports
- F. Approval of Resolution 2017-01 Adopting Employee Pay Schedule, in conformance with California Code of Regulations, Title 2, Sections 570.5 and 571 – **Anita Jones, Human Resources Manager**
- G. Approval of Resolution 2017-02 – Establishing Signature Approval for Checks Written from District Accounts – **David I'Anson, Administrative Finance Manager**
- H. Approval of Resolution 2017-03 Revising the Annual Budget for Fiscal Year 2016-2017 – **David I'Anson, Administrative Finance Manager**
- I. Approval to renew the annual agreement with Salton Sea Aerial Services Inc. to conduct both aerial adulticiding and larviciding operations as needed to assist the District in its mosquito control operations – **Rodney Chamberlain, Interim Operations Manager**

On motion from Trustee DeKlotz seconded by Trustee Kunz, and passed by unanimous vote, the Board of Trustees approved the Items of General Consent.

Ayes: Trustees DeKlotz, Kaplan, Kunz, Larson, A. Sanchez, Stevens, and Walker.

Noes: None.

Abstained: None.

Absent: Trustees Hassett, Monroe, B. Sanchez, and Weightman.

10. Old Business: None.

11. New Business:

11A. Discussion and/or approval of agreement with the County of Riverside relating to the transfer of real property from the dissolved Redevelopment Agency to the Desert Recreation District – Jeremy Wittie, MS, General Manager and M. Katherine Jenson, Legal Counsel:

On motion from Treasurer Kaplan seconded by Trustee A. Sanchez, and passed by unanimous vote, the Board of Trustees approved item 11A.

Ayes: Trustees DeKlotz, Kaplan, Kunz, Larson, A. Sanchez, Stevens, and Walker.

Noes: None.

Abstained: None.

Absent: Trustees Hassett, Monroe, B. Sanchez, and Weightman.

11B. Discussion and/or approval to purchase four (4) Longray Pioneer battery operated portable electric U.L.V. fogger units from Univar in an amount not to exceed a total of \$10,000.00 from Fund # 8415.13.500 – Operations Equipment – Rodney Chamberlain, Interim Operations Manager:

On motion from Treasurer Kaplan seconded by Trustee De Klotz, and passed by unanimous vote, the Board of Trustees approved item 11B.

Ayes: Trustees DeKlotz, Kaplan, Kunz, Larson, A. Sanchez, Stevens, and Walker.

Noes: None.

Abstained: None.

Absent: Trustees Hassett, Monroe, B. Sanchez, and Weightman.

11C. Discussion and/or approval to purchase 55 BG Sentinel-2 traps in an amount not to exceed \$12,000.00 from Fund #7575.07.400 – Operating Supplies – Jeremy Wittie, MS, General Manager: Brief report given by General Manager Wittie. Discussion ensued.

On motion from Trustee A. Sanchez seconded by Trustee Stevens, and passed by unanimous vote, the Board of Trustees approved item 11C.

Ayes: Trustees DeKlotz, Kaplan, Kunz, Larson, A. Sanchez, Stevens, and Walker.

Noes: None.

Abstained: None.

Absent: Trustees Hassett, Monroe, B. Sanchez, and Weightman.

11D. Approval of proposed change in Board of Trustees regular meeting schedule to exclude the month of April – Jeremy Wittie, MS, General Manager:

On motion from Trustee Kunz seconded by Treasurer Kaplan, and passed by unanimous vote, the Board of Trustees approved item 11D.

Ayes: Trustees DeKlotz, Kaplan, Kunz, Larson, A. Sanchez, Stevens, and Walker.

Noes: None.

Abstained: None.

Absent: Trustees Hassett, Monroe, B. Sanchez, and Weightman.

- 12. Closed Session:** Conference Regarding Upcoming Union Negotiations Pursuant to Government Code § 54957.6 – Jeremy Wittie, MS, General Manager

Returning from Closed Session, there was no reportable action taken.

- 13. Trustee Comments, Requests for Future Agenda Items, Travel and/or Staff Actions:**

- **Trustee Larson** commented that he would like to attend the upcoming MVCAC Annual Conference.
- **President Walker** reminded Trustees to return their Form 700s to Clerk of the Board Moreno.

- 14. Adjournment:** The meeting was adjourned by President Walker at 8:08 p.m.

CITY OF RANCHO MIRAGE



OFFICE OF THE MAYOR
THEODORE WEILL

February 27, 2017

Michael Monroe
71065 Cypress Drive
Rancho Mirage, CA 92270

Re: Coachella Valley Mosquito and Vector Control District Board
Appointment

Dear Michael:

On behalf of the Rancho Mirage City Council, it is my pleasure to officially advise you of your reappointment as the representative from the City of Rancho Mirage to the Coachella Valley Mosquito and Vector Control District Board of Trustees. The City Council accepted your application for the two year term continuing to the first Monday of January, 2019. This action was taken by the City Council at the regular meeting held on February 2, 2017.

The Coachella Valley Mosquito and Vector Control Board has been informed of your appointment. On behalf of the entire City Council, I congratulate you on your appointment and thank you for continuing to serve in this very important position.

Sincerely,


Ted Weill
Mayor

cc: Crystal Moreno, Clerk of the CVMVCD Board

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PUBLIC LIBRARY
Tel. 1.760.341.7323
Fax. 1.760.341.5213

PUBLIC WORKS
Tel. 1.760.770.3224
Fax. 1.760.770.3261



Coachella Valley Mosquito and Vector Control District

Checks Issued for the Period of:
February 8, 2017 to March 7, 2017

Check No	Payable to:	Purchase	Check Amount	Total Amount
	Payroll Disbursement 2/10/2017		167,388.86	
	Payroll Disbursement 2/24/2017		171,794.24	
Pre-Approved Expenditures:				339,183.10
Cash - First Foundation Bank Checking				
40612	Burrtec Waste & Recycling Svcs	Waste & Recycling Services: February 2017	373.78	
40613	CalPERS-California Public	Healthcare Insurance Premiums: March 2017	69,230.79	
40614	CalPERS Employee Retirement System	Retirement Contributions PP: 1/22/17 - 2/4/17	22,833.91	
40615	DIRECTV, Inc.	Satellite Services: 1/25/ 17 - 2/24/17	64.99	
40616	Frontier Communications-Toll/POTS	Telephone Services: 1/28/17 - 2/27/17	134.11	
40617	Gas Co.	Gas Services: 12/27/16 - 1/25/17	549.49	
40618	ICMA Retirement Trust	Deferred Compensation PP: 12/16 & 12/30	7,719.86	
40619	Imperial Irrigation District	Electricity Services: 1/6/17 - 2/7/17	717.48	
40620	Imperial Irrigation District- Lab Account	Electricity Services: 1/6/17 - 2/7/17	4,429.92	
40621	Sarah Crenshaw Petty Cash Cust	Petty Cash Replenishment	373.52	
40622	Verizon Business	VOIP Phone Services: February 2017	1,167.54	
40623	Verizon Wireless	Mobile Communications: 1/8/17 - 2/7/17	1,782.37	
				109,377.76
Cash - First Foundation Bank Checking				
40624	4imprint	Promotion & Education	3,966.97	
40625	Airgas Carbonic, Inc	Lab Operating Supplies	502.43	
40626	AIS	Office Supplies	852.13	
40627	Alvarado, Gregorio	Tuition Reimbursement	166.92	
40628	American Engraving Co.	Promotion & Education	1,673.80	
40629	Car Quest Auto Parts	Vehicle Parts & Supplies	435.52	
40630	CDW Government, Inc	Computer & Network Systems	11,142.41	
40631	Cisco WebEx, LLC.	Maintenance Contracts	99.00	
40632	CleanExcel	Contract Expense	3,140.00	
40633	Crystal Chrysler Center	Vehicle Parts & Supplies	510.78	
40634	Desert Alarm, Inc.	Contract Expense	599.70	
40635	Desert Electric Supply	Repair & Maintenance	108.31	
40636	Desert Resort Security Service	Contract Expense	875.00	
40637	Desert Sun Publishing LLC	Recruitment/Advertising	550.72	
40638	Dieckmann, Roberta	Professional Development	158.36	
40639	Eisenhower Occupational Health	Physician Fees	340.00	
40640	Fisher Scientific	Equipment Parts & Supplies	1,234.60	
40641	G & K Services	Uniform Expense	2,111.63	
40642	Gempler's	Safety Expense	730.60	
40643	High Tech Irrigation, Inc.	Repair & Maintenance	144.39	
40644	Interstate All Battery Center	Vehicle Parts & Supplies	36.20	
40645	Jernigan's Sporting Goods, Inc	Safety Expense	220.00	
40646	Liebert Cassidy Whitmore	Attorney Fees	210.00	
40647	Marlin Leasing	Contract Expense	600.97	
40648	Moreno, Crystal	Tuition Reimbursement	971.92	
40649	Pentair Aquatic Eco-Systems	Equipment Parts & Supplies	573.10	
40650	Praxair Distribution, Inc.	Equipment Parts & Supplies	90.39	
40651	Pure Water Technology, Inc.	Employee Support	211.19	
40652	Refrigeration Supplies Distributors	Repair & Maintenance	228.12	
40653	Rivco Mechanical Services, Inc	Contract Expense	4,628.00	
40654	Rutan & Tucker, LLP	Attorney Fees	5,697.00	
40655	Salton Sea Air Service	Aerial Applications	10,148.55	
40656	The SoCo Group, Inc.	Motor Fuel & Oils	3,109.44	
40657	TCI	Lab Operating Supplies	310.65	
40658	U.S. Bank	Cal Card	52,501.39	
40659	Uline	Lab Operating Supplies	138.61	
40660	Universal Brake & Alignment	Offsite Vehicle Maintenance & Repair	60.00	
40661	UPS	Postage	154.98	
40662	USA Shade & Fabric Structures	Repair & Maintenance	2,500.00	
40663	Doug Walker	Trustee Travel	139.29	
40664	Waxie Sanitary Supply	Maintenance Supplies	310.76	
40665	Willdan Financial Services	Benefit Assessment Expense	6849.68	
Cash - First Foundation Bank Check Run Total to be Approved				119,033.51
Total Expenditures: February 7, 2017 to March 7, 2017				567,594.37

Doug Walker, President

Shelley Kaplan, Treasurer

Coachella Valley Mosquito and Vector Control District
FINANCES AT A GLANCE
ALL FUNDS COMBINED
For the Month Ended February 28 2017

	Beginning of the Month	Change During the Month	End of the Month
INVESTMENTS	\$ 12,290,406	\$ (770,613)	\$ 11,519,793
CASH	\$ (50,614)	130,430	\$ 79,816
INVESTMENTS & CASH	\$ 12,239,792	\$ (640,183)	\$ 11,599,610
CURRENT ASSETS	\$ 1,660,326	(46,145)	1,614,180
FIXED ASSETS	\$ 11,188,461	-	11,188,461
OTHER ASSETS	\$ 3,870,348	-	3,870,348
TOTAL ASSETS	<u>\$ 28,958,926</u>	<u>\$ (686,328)</u>	<u>\$ 28,272,599</u>
TOTAL LIABILITIES	\$ 5,074,376	\$ 89,073	\$ 5,163,449
TOTAL DISTRICT EQUITY	\$ 23,877,525	(768,376)	23,109,150
TOTAL LIABILITIES & EQUITY	<u>\$ 28,951,901</u>	<u>\$ (679,303)</u>	<u>\$ 28,272,599</u>
RECEIPTS		\$ 13,943	
CASH DISBURSEMENTS			
Payroll	\$ 340,511		
General Admin	\$ 122,725		
Total Cash Disbursements		\$ (463,237)	
NON-CASH ENTRIES:		\$ (237,035)	
Accrual Modifications -			
Changes in A/P, A/R & Pre-paid insurance			
Change during Month - Excess of Cash over Receipts & Non-Cash Adjustments		<u>\$ (686,328)</u>	

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT INVESTMENT FUND BALANCES AS OF FEBRUARY 28, 2017						
INSTITUTION	IDENTIFICATION	Issue Date	Maturity Date	YIELD	BALANCE	PERCENT OF TOTAL INVESTMENTS
LAIF	Common Investments			0.77%	6,159,771	53.47%
	Funds 51105, 51110 and					
Riverside County	51115			0.85%	3,421,323	29.70%
CalTRUST	Medium Term			1.16%	490,308	4.26%
First Foundation	Market Rate			0.10%	1,448,392	12.57%
	Total Investments				\$ 11,519,794	100.00%

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT LISTING OF MONTHLY RECEIPTS			
For February 28, 2017			
DATE	RECEIVED FROM	AMOUNT	DESCRIPTION
2/14/2017	Northwest Mosquito & Vector Control District	1,560.00	Mosquito Pool Testing
2/14/2017	San Gabriel Valley Mosquito & Vector Control District	8,000.00	Barker Research
2/14/2017	Central Life Science	3,724.33	Pesticide Rebate
2/28/2017	First Foundation Bank	65.48	Bank Interest
2/28/2017	First Foundation Bank	593.66	CDARS Interest
Monthly Total		\$ 13,943.47	

Coachella Valley Mosquito and Vector Control District
REVENUE AND EXPENDITURE
For the Month Ended February 28, 2017

	Revised Budget 2016-17	This Month	Y-T-D	Budget Balance	% Y-T-D
REVENUES					
Current Taxes	7,789,222	-	3,989,820	3,799,402	51%
Miscellaneous Revenue	63,000	(3,724)	99,074	(36,074)	157%
Prior Taxes	25,500	-	16,409	9,091	64%
Interest Income	50,000	659	32,847	17,153	66%
Benefit Assessment Income	1,441,381	-	780,918	660,463	54%
TOTAL REVENUES	9,369,103	(3,065)	4,919,067	4,429,595	53%
Payroll Expense					
5101 Payroll - Full Time	4,396,912	321,847	2,675,771	1,721,141	61%
5102 Payroll - Seasonal	189,600	8,078	98,582	91,018	52%
5105 Overtime Expenses	30,300	525	14,464	15,836	48%
5150 CalPERS Employer Payment of Unfunded Lia	98,586	-	95,099	3,487	96%
5150 CalPERS State Retirement Expense	380,060	4,930	206,122	173,938	54%
5155 Social Security Expense	278,282	21,090	165,331	112,951	59%
5165 Medicare Expense	65,082	4,932	42,954	22,129	66%
5170 Cafeteria Plan Expense	986,626	82,506	720,034	266,593	73%
5172 Retiree Healthcare	342,420	2,410	228,233	114,187	67%
5180 Deferred Compensation	93,291	(1,152)	47,867	45,424	51%
5195 Unemployment Insurance	29,895	5,806	29,539	356	99%
Total Payroll Expense	6,891,055	450,970	4,323,996	2,567,059	63%
Administrative Expense					
5250 Tuition Reimbursement	20,000	-	11,664	8,336	58%
5300 Employee Incentive	10,000	-	3,247	6,753	32%
5301 Employee Support	4,000	344	2,826	1,174	71%
5302 Wellness Program	5,000	49	328	4,672	7%
5305 Employee Assistance Program	2,800	224	1,772	1,028	63%
6000 Property & Liability Insurance	95,402	11,960	18,651	76,751	20%
6001 Workers' Compensation Insurance	144,461	19,386	94,990	49,471	66%
6050 Dues & Memberships	22,300	-	19,775	2,525	89%
6060 Public Outreach Materials	22,300	-	4,117	18,183	18%
6065 Recruitment/Advertising	4,000	613	1,490	2,510	37%
6070 Office Supplies	15,200	2,046	11,541	3,659	76%
6075 Postage	6,250	176	5,189	1,061	83%
6080 Computer & Network Systems	5,400	4,965	7,295	(1,895)	135%
6085 Bank Service Charges	200	-	48	152	24%
6090 Local Agency Formation Commission	1,000	-	1,044	(44)	104%
6095 Professional Fees	-	-	-	-	-
Administration	30,000	-	2,550	27,450	9%
Information Systems	3,500	5	280	3,220	8%
District Wide	20,000	1,415	21,415	(1,415)	107%
Surveillance	15,730	-	-	15,730	0%
6100 Attorney Fees	-	-	-	-	-
General Counsel	60,000	1,007	16,617	43,383	28%
Labor Relations	20,000	-	570	19,430	-
Personnel	10,000	-	6,197	3,803	62%
6106 HR Risk Management	4,500	-	4,365	135	97%
6110 Conference Expense	-	-	-	-	-
MVCAC Committee Assignments	12,000	662	4,544	7,456	38%
Annual Conference Expense	13,200	3,045	3,045	10,155	23%
Trustee Travel	16,800	2,291	7,145	9,655	43%
6115 Trustee In-Lieu Expense	13,200	1,383	8,783	4,417	67%
6120 Trustee Support Expense	4,000	745	2,511	1,489	63%
6200 Meetings Expense	3,000	136	709	2,291	24%
6210 Promotion & Education	20,000	3,858	4,646	15,354	23%
6220 Public Outreach Advertising	40,000	-	2,454	37,546	6%
6500 Benefit Assessment Expense	88,440	-	79,835	8,605	90%
Total Administrative Expense	732,683	54,309	349,643	383,040	48%

Coachella Valley Mosquito and Vector Control District
REVENUE AND EXPENDITURE
For the Month Ended February 28, 2017

	Revised Budget 2016-17	This Month	Y-T-D	Budget Balance	% Y-T-D
Utility Expense					
6400 Utilities	105,000	6,136	60,656	44,344	58%
6410 Telecommunications	25,400	1,868	16,115	9,285	63%
Total Utility Expense	130,400	8,003	76,771	53,629	59%
Operating Expense					
7000 Uniform Expense	19,775	3,290	14,439	5,336	73%
7050 Safety Expense	20,050	2,003	12,206	7,844	61%
7100 Physician Fees	10,000	-	371	9,629	4%
7150 IT Communications	22,500	1,695	13,081	9,419	58%
7200 Maintenance Supplies	3,500	311	2,674	826	76%
7300 Building & Grounds Maintenance	50,000	4,135	29,568	20,432	59%
7310 Calibration & Certification of Equipment	13,300	885	4,727	8,573	36%
7350 Permits, Licenses & Fees	11,800	1,945	5,999	5,801	51%
7400 Vehicle Maintenance & Repair	28,500	5,028	25,176	3,324	88%
7420 Offsite Vehicle Maintenance & Repair	7,500	60	4,217	3,283	56%
7450 Equipment Parts & Supplies	21,300	1,681	12,882	8,418	60%
7500 Small Tools Expense	4,000	770	823	3,177	21%
7550 Lab Operating Supplies	36,200	1,409	13,566	22,634	37%
7570 Green Pool Surveillance	25,000	-	-	25,000	0%
7575 Surveillance	50,900	86	30,689	20,211	60%
7600 Staff Training	-	-	-	-	-
State Certified Technician Fees	6,000	-	5,720	280	95%
State Required CEU	3,750	-	-	3,750	0%
Professional Development	50,650	3,985	14,458	36,192	29%
7650 Equipment Rentals	1,000	365	686	314	69%
7675 Contract Services	-	-	-	-	-
Administration	7,000	417	4,027	2,973	58%
Information Systems	51,460	3,823	24,102	27,358	47%
Fleet	15,300	-	-	15,300	0%
Facilities	72,400	9,003	47,147	25,253	65%
Operations	6,000	358	2,865	3,135	48%
7700 Motor Fuel & Oils	73,200	3,109	38,946	34,254	53%
7750 Ops Operating Supplies	7,500	671	4,233	3,267	56%
7800 Control	-	-	-	-	-
Chemical Control	665,000	16,717	584,866	80,134	88%
Physical Control	12,500	-	-	12,500	0%
7850 Aerial Applications	-	-	-	-	-
Rural	50,400	5,133	49,273	1,127	98%
Urban	75,280	-	42,881	32,399	57%
8415 Operating Equipment	33,200	789	22,221	10,979	67%
8487 Furniture & Equipment	10,000	-	1,985	8,015	20%
8510 Research Projects	150,000	-	116,504	33,496	78%
8510 UCD VC of CA Mosq Research - Zika	-	-	30,000	-	-
8510 USDA - COOP expenses to be refunded	-	-	-	-	-
Total Operating Expense	1,614,965	67,667	1,160,333	484,632	72%
TOTAL EXPENSES	9,369,103	580,950	5,910,743	3,458,360	63%
Total Operations Revenue Less Expenses	0	(584,015)	(991,676)		
CAPITAL EXPENSES					
6095 Professional Fees	10,000	-	496	9,504	5%
8463 Interior Equipment Upgrade	80,000	-	-	80,000	0%
8487 Facility Improvements	30,000	-	-	30,000	0%
TOTAL CAPITAL EXPENSES	120,000	-	496	119,504	0%
Total Operations Revenue Less Expenses	(120,000)	(584,015)	(992,172)		

Coachella Valley Mosquito and Vector Control District
BALANCE SHEET
For the Month Ended February 28 2017

ASSETS		General Fund		Capital Replacement	Other Governmental Funds		Total
Cash and Investments							
Cash - Checking	\$ 6,217	\$ -	\$ -		\$ -	6,217	
Cash - Payroll	\$ 71,599	\$ -	\$ -		\$ -	71,599	
Cash - Building Fund Checking	\$ -	\$ -	\$ -		\$ -	-	
Cash - Petty Cash	\$ 2,000	\$ -	\$ -		\$ -	2,000	
Investment Balances	\$ 10,061,165	\$ 1,047,495	\$ 1,047,495		\$ 411,134	11,519,793	11,599,610
Total Cash and Investments	\$ 10,140,981	\$ 1,047,495	\$ 1,047,495		\$ 411,134		
Current Assets							
Accounts Receivable	\$ 888	\$ -	\$ -		\$ -	888	
Interest Receivable	\$ -	\$ -	\$ -		\$ -	-	
Lease Payment Receivable	\$ -	\$ -	\$ -		\$ -	-	
Allowance for Bad Debts	\$ -	\$ -	\$ -		\$ -	-	
Chemical - Inventory	\$ 435,798	\$ -	\$ -		\$ -	435,798	
Shop - Inventory	\$ 12,252	\$ -	\$ -		\$ -	12,252	
Prepays and Deposits	\$ 1,165,242	\$ -	\$ -		\$ -	1,165,242	
Total Current Assets	\$ 1,614,180	\$ -	\$ -		\$ -		1,614,180
Fixed Assets							
Construction in Progress	\$ -	\$ -	\$ -		\$ -	-	
BIO Control Building	\$ 6,963,768	\$ -	\$ -		\$ -	6,963,768	
Vehicles	\$ -	\$ 1,510,661	\$ -		\$ -	1,510,661	
Computer Equipment	\$ 113,607	\$ 227,751	\$ -		\$ -	341,358	
Computer Equipment GIS	\$ -	\$ 301,598	\$ -		\$ -	301,598	
Office Furniture and Equipment	\$ 1,027,317	\$ 167,882	\$ -		\$ -	1,195,199	
Bio Control Equipment/Furniture	\$ 32,034	\$ -	\$ -		\$ -	32,034	
Land	\$ 417,873	\$ -	\$ -		\$ -	417,873	
Oleander Building	\$ 5,665,862	\$ -	\$ -		\$ -	5,665,862	
Signage	\$ 23,651	\$ -	\$ -		\$ -	23,651	
Structures and Improvements	\$ 2,976,296	\$ -	\$ -		\$ -	2,976,296	
Accumulated Depreciation	\$ (6,374,807)	\$ (1,865,032)	\$ -		\$ -	(8,239,839)	
Total Fixed Assets	\$ 10,845,602	\$ 342,859	\$ -		\$ -		11,188,461
Other Assets							
Deferred Outflows of Resources	\$ 338,926	\$ -	\$ -		\$ -	338,926	
Resources to be Provided	\$ 3,531,422	\$ -	\$ -		\$ -	3,531,422	
Total Other Assets	\$ 3,870,348	\$ -	\$ -		\$ -		3,870,348
TOTAL ASSETS	\$ 26,471,111	\$ 1,390,354	\$ 1,390,354		\$ 411,134	\$ 28,272,599	

Coachella Valley Mosquito and Vector Control District
BALANCE SHEET
For the Month Ended February 28 2017

	General Fund	Capital Replacement	Other Governmental Funds	Total
LIABILITIES AND EQUITY				
LIABILITIES				
<u>Current Liabilities</u>				
Accounts Payable	\$ 88,976	\$ 96	\$ -	89,073
Accrued Payroll and Payroll Taxes	\$ 2,291	-	-	2,291
Deferred Revenue	\$ -	-	-	-
Retentions Payable - Capital Fund	\$ -	-	-	-
Claims/Judgments Payable	\$ (52)	-	-	(52)
Union Dues/Charity Payable	\$ (224)	-	-	(224)
Total Current Liabilities	\$ 90,991	\$ 96	\$ -	91,088
<u>Long Term Liabilities</u>				
Deferred Inflows of Resources	\$ 613,465	-	-	613,465
Net Pension Liability	\$ 622,269	-	-	622,269
Pollution Remediation Obligation	\$ 2,100,000	-	-	2,100,000
OPEB Obligation	\$ 1,172,619	-	-	1,172,619
Compensated Absences Payable	\$ 564,008	-	-	564,008
Total Long Term Liabilities	\$ 5,072,361	\$ -	\$ -	5,072,361
TOTAL LIABILITIES	\$ 5,163,352	\$ 96	\$ -	\$ 5,163,449
EQUITY - FUND BALANCE				
Non - Spendable Fund Balance				
Invested in Capital Assets	\$ 10,845,602	\$ 342,859	\$ -	11,188,461
Inventory	\$ 516,559	-	-	516,559
Prepays & Deposits	\$ 1,391,699	-	-	1,391,699
Committed Fund Balance	\$ 12,753,859	\$ 342,859	\$ -	13,096,719
Designated for Emergency Service	\$ 3,123,034	\$ -	\$ -	3,123,034
Assigned Fund Balance				
Designated for Other Post Employment Ben	\$ 436,469	-	-	436,469
Designated for Environmental Remediation	\$ -	-	429,276	429,276
Designated for General Reserve	\$ 5,621,462	-	-	5,621,462
Designated for Replacements & Emergency	\$ 365,106	-	-	365,106
Designated for Future Construction	\$ -	-	-	-
Designated for Equipment Replacement	\$ -	277,787	-	277,787
Designated for Vehicle Replacement	\$ -	957,646	-	957,646
Unassigned Fund Balance	\$ 6,423,037	\$ 1,235,432	\$ 429,276	8,087,745
Unassigned	\$ -	\$ -	\$ -	-
Excess Revenue over (under) Expenditures	\$ (992,172)	\$ (188,034)	\$ (18,142)	(1,198,348)
TOTAL EQUITY	\$ 21,307,758	\$ 1,390,257	\$ 411,134	23,109,150
TOTAL LIABILITIES AND EQUITY	\$ 26,471,111	\$ 1,390,354	\$ 411,134	28,272,599



Coachella Valley Mosquito and Vector Control District

Staff Report

March 14, 2017

Agenda Item: Informational Item

District Travel – **Crystal G. Moreno, Executive Assistant**


Background:


March 26-29, 2017: MVCAC Annual Conference (San Diego, CA) ~ The annual MVCAC Conference provides quality public information, comprehensive mosquito and vector-borne disease surveillance, training to high professional standards, and effective legislative advocacy on behalf of California mosquito and vector control districts. MVCAC promotes cost effective methods of mosquito and vector control as a means to protect public health and safety. MVCAC actively promotes the safe and effective use of public health pesticides. MVCAC does this through legislative advocacy, public education and media relations.

The following are conferences and meetings that are currently scheduled to be attended:

MVCAC Annual Conference (3/26-29):

Doug Walker, President
Shelley Kaplan, Treasurer
Dr. Doug Kunz, Trustee
Bito Larson, Trustee
Adam Sanchez, Trustee
John B. Stevens, Trustee
Clive Weightman, Trustee
Jeremy Wittie, General Manager
Jill Oviatt, Public Outreach Manager
Jennifer Henke, Laboratory Manager
Edward Prendez, IT Manager
Kim Hung, Vector Ecologist
Olde Avalos, Field Supervisor
Mike Martinez, Field Supervisor
Geneva Ginn, Lead Technician

	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>March 14, 2017</p>
<p>Agenda Item: Informational Item</p> <p>Cancellation of April 2017 Board Meeting – Crystal G. Moreno, Executive Assistant</p>		
<p>Report:</p> <p>At the February 7, 2017 Board Meeting, the Trustees approved the cancellation of the April 2017 Board Meeting. The District went “dark” last April without any impact on regular District business. The daily operations of the District will continue as usual and the Board will always have the opportunity to call special meetings to deal with matters that require the immediate attention of the Board. The Board will continue with its regularly scheduled Board Meetings on Tuesday, May 9, 2017, at 6:00pm.</p>		

	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>March 14, 2017</p>
<p>Agenda Item: Informational Item</p> <p>Treasurer to Approve Release of Payment to Vendors for April – David l’Anson, Administrative Finance Manager</p>		
<p>Report:</p> <p>At the February 7, 2017 Board Meeting, the Trustees approved the cancellation of the April 2017 Board Meeting. Resolution 1997-17, approved October 14, 1997, authorizes the Treasurer to release payment to vendors when a quorum, for the monthly Board Meeting, is not present. Due to the cancellation of the Board Meeting the release of payment to vendors will be approved by <i>Treasurer Shelley Kaplan</i>.</p> <p>Payments to vendors that are approved by <i>Treasurer Shelley Kaplan</i> will be presented to the Board at the May 9, 2017 Board Meeting for final review.</p>		



Coachella Valley Mosquito and Vector Control District

Staff Report

March 14, 2017

Agenda Item: Informational Item

National Pollutant Discharge Elimination System (NPDES) Annual Report – **Jennifer A. Henke, M.S., Laboratory Manager**

Background:

The District's application of pesticides to and adjacent to Waters of the United States are subject to compliance of the Clean Water Act. In California, the State Water Resources Control Board administers the Vector Control General Permit for the National Pollutant Discharge Elimination System (NPDES). The District must annually file a report with the State Water Board and the Colorado River Regional Water Quality Control Board. The report is required to address:

1. Applications of control products made to or near waters of the United States
2. Any proposed changes to our Best Management Practices for applications to or near waters of the United States
3. A map of our application and target areas which are waters of the United States

The executive summary of the report is attached.

Exhibits:

- 2016 NPDES annual report executive summary

1. Annual Report

a. Executive Summary

The Coachella Valley Mosquito and Vector Control District (hereafter, the District) is a non-enterprise independent special district accountable to the citizens of the Coachella Valley, charged with the protection of public health through the control of vectors and vector-borne diseases within its boundaries. The District operates in the Colorado River Basin Regional Water Quality Control Board District (Region 7). The District operates under the Statewide National Pollutant Discharge Elimination System (NPDES) Permit for Biological and Residual Pesticide Discharges to Waters of the United States from Vector Control Applications (Water Quality Order No. 2011-0002-DWQ as amended by Water Quality Order No. 2012-0003-DWQ, 2014-0038-EXEC, and 2014-0106-DWQ) since it became effective on November 1, 2011. The District currently operates under Water Quality Order No. 2016-0039-DWQ since it became effective on March 1, 2016.

The District made 997 larvicide treatments to 208 waters of the U.S. in 2016. The District also made 11 ULV applications of adulticides near private duck club ponds and 4 barrier applications of adulticides to vegetation adjacent to a water of the U.S. in 2016. The District complied with the instructions on the labels of the pesticides and continued to follow the guidelines of its Pesticide Application Plan (PAP) to minimize biological and residual pesticides. Per Order 2016-0039-DWQ, the monitoring and reporting requirements of the Vector Control Permit were modified to consist of reporting of any visual adverse effects or reporting of non-compliant applications as well as monitoring and reporting of pesticide application rates for all applications. The District continued to follow the guidelines of its Pesticide Application Plan (PAP).

b. Summary of Monitoring Data

No adverse impacts from vector control applications were noticed or reported by any of the individual applicators. No non-compliant applications were performed. The annual report tables have been modified to include the application rate for each application reported.

The Coalition will provide information on the incidence of West Nile Virus and other similar public health threats in the Coalition's annual report. The District also detected St. Louis encephalitis virus near the Salton Sea in 92 mosquito samples.

- c. Identification of Current Best management Practices (BMPs)
The District uses the BMPs outlined in the District's PAP. These include: training employees to prevent and respond to chemical spills; keeping pesticides in secure locations; calibrating spray equipment; checking the accuracy of use on a daily basis; maintaining certification of staff as State Certified Public Health Vector Control Technicians; and use of biological and physical methods of control mosquitoes when appropriate.
- d. BMP Modifications Addressing Violations
No violations of the General Permit were observed.
- e. Map of Applications
See Attachments A, B, and C. Attachment A was made using our Mosquito Mobile application to show larvicide applications. Sites in the application are either points or polygons (polys) depending on the size of the site when it was digitized. Attachment B is the route where aerial ULV for adult mosquitoes took place. Attachment C is the maps of the barrier routes.
- f. Log of Applications made to Waters of the U.S.
See Pesticide Application Log (Attachment D). The application log includes 997 applications of larvicide made to waters of the U.S. It also includes 11 ULV applications of adulticide adjacent to waters of the U.S. and 4 barrier applications to vegetation situated near waters of the U.S.
- g. General Information on Applications.
See Pesticide Application Log. Dosage, concentration, and quantity of pesticide used are derived from District recommended rates based upon biological research and are within pesticide label rates. In some cases, the division of the application amount by the area applied makes it appear as if there was an exceedance per the label. The District discussed with the Riverside County Agricultural Commissioner the inaccuracy of measuring small amounts of liquid for application to small areas. The District adopted a standard procedure of measuring no less than 0.5 mL of liquid larvicide to be applied at small acreage sites.
- Examining the ownership of properties within the District, several parcels are owned by Native American tribes. To be compliant with NPDES, the District has obtained permission to treat and an EPA NPDES permit for coverage of these areas. This may mean that there is a reduction in the number of locations or in the locations themselves that are reported to the California Water Resources Control Board.
- h. Visual Monitoring Data
No adverse impacts from vector control applications were seen or reported by individual applicators.

i. Monitoring Program, BMPs and PAP Recommendations

The District has no recommendations for improving the current PAP and monitoring and reporting program.

j. Pesticide Application Log

See 1f.

2. **Updated PAP Components**


Not applicable.

3. **Self-Monitoring Reports**

The District was not asked to submit any self-monitoring reports by the State Water Board or by the Colorado River Regional Water Quality Control Board.

4. **Monitoring Reports**

The District is a member of the Mosquito and Vector Control Association of California's Monitoring and Reporting Coalition. The MVCAC Coalition Monitoring Annual Reports summarizes the direction and outcome of the conversations between MVCAC and the SWRCB on potential changes to the Vector Control Permit.

	<p>Coachella Valley Mosquito and Vector Control District</p> <p>Staff Report</p>	<p>March 14, 2017</p>
<p>Agenda Item: Informational Item</p> <p>EPA Pesticide Environmental Stewardship Program (PESP) – Jennifer A. Henke, M.S., Laboratory Manager</p>		
<p>Background:</p> <p>In 1994, the Environmental Protection Agency (EPA), established the Pesticide Environmental Stewardship Program (PESP) to promote the use of Integrated Pest Management (IPM) among users of pesticides. The American Mosquito Control Association (AMCA) became a member in 1997 and has since become a Gold level member. AMCA tracks the methods that mosquito control districts across the United States reduce the risk of pesticide exposure to their employees and the members of their community.</p> <p>The District became a Bronze level member in 2012. As part of its five-year strategy document, the District committed to tracking components of IPM that reduce the risk of pesticide exposure and that demonstrate that we are stewards of the environment. The summary of our annual report for 2016 is attached.</p>		
<p>Exhibits:</p> <ul style="list-style-type: none"> • 2016 CVMVCD EPA PESP annual report 		

The Coachella Valley Mosquito and Vector Control District's EPA Pesticide Environmental Stewardship Program 2016 Report

Introduction

The Coachella Valley Mosquito and Vector Control District (hereafter, the District) is an independent special district in southern California. We have adopted an Integrated Vector Management (IVM) program to control mosquitoes and red imported fire ants, and to suppress eye gnats and filth flies in residential areas. In addition, the District helps Coachella Valley residents to rodent-proof their property by carrying out property inspections and providing expert advice. The work is done in the 2,400 square miles of our District boundary. We learned of the EPA's Pesticide Environmental Stewardship Program (PESP) through the American Mosquito Control Association (AMCA), a Gold Tier PESP Member. The District chose to join in 2012 to engage with others to reduce "potential health and environmental risks associated with pests and pesticide use and in implementing pollution prevention strategies."

The District applies control products where people live, work, and play to protect public health. The District's IVM program involves procedures for minimizing potential environmental impacts, while providing the necessary level of public protection from vectors and the pathogens they can transmit. The District employs IVM principles by first determining the species and abundance of vectors through evaluation of public service requests and field surveys of immature and adult vector populations; and then, if the populations exceed predetermined criteria, use the most efficient, effective, and environmentally sensitive means of control. For all vector species, public education is an important control strategy, and for some species, it is the District's only control method. In some situations, the District also uses biological control such as the placing of mosquitofish in ornamental ponds. When these approaches are not effective or are otherwise inappropriate, control products are used to treat specific vector-producing or harboring areas to reduce vector populations.

The principles for mosquito and red imported fire ant control apply similarly to other vectors or nuisance species, including assessing the proximity to populated regions; the threat to surrounding organisms; the use of control products in strict accordance with label requirements; the eradication of breeding sources to prevent future re-infestation; educating the general public on preventative measures to prevent future colonization; and the administration of funding and institutional support necessary to accomplish these goals.

The IVM program as a whole, including registration and continuing education of state-certified personnel, is reviewed and approved by the California Department of Public Health Services through a formal Cooperative Agreement that is renewed annually. For work on state lands and riparian zones, wetlands or other sensitive habitats, the District coordinates and reviews activities with the California Department of Fish and Wildlife, the U.S. Fish and Wildlife Service, and the California State Lands Commission as Trustee Agencies. For chemical control activities, the District reports to and is periodically reviewed by the Riverside County Agricultural Commissioner.

The District's five-year strategy is to track the following criteria and to update the EPA PESP about our progress in our annual reports. What follows is the summary of our work in 2016, with a comparison to numbers reported in our 2015 report.

ACTIVITY 1: SOURCE REDUCTION AND WORKING WITH MANAGERS OF PUBLIC LANDS

The District will work with other public agencies to implement focused and environmentally sound mosquito control strategies where necessary. As part of our IVM program, these activities typically

include source reduction, sanitation, and the use of biopesticides to control vectors early in their life cycle. In some cases, highly focused applications of chemical pesticides are directed at confirmed vector species to control populations and protect public health. Appropriate measures include:

Measure 1: Non-drainage source reduction.

The District and the Coachella Valley Water District are cooperating in an effort to ensure property owners properly control artesian wells to comply with state code. In recent years, sufficient groundwater pressure has returned to areas within the eastern Coachella Valley to cause flowing conditions in artesian wells and indicates a healthy aquifer. Decreasing overdraft and returning artesian conditions are goals of the *Coachella Valley Water Management Plan*, which seeks to reduce pumping costs and protect groundwater quality. Replenishing the eastern portion of the Coachella Valley's aquifer with imported water is a crucial component of the valley-wide plan. It is important that the construction or repair of artesian wells is performed in a manner to prevent unchecked flowing conditions. Uncontrolled flows from artesian wells, can result in non-beneficial use of water, and may create standing pools that become unwanted breeding grounds for mosquitos. The Districts cooperated to work with property owners to repair wells and developed a rebate program to defer some of the costs for these repairs; 18 sites were repaired, impacting 80 acres of potential breeding sources. The District can provide a list of property owners and locations upon request. This is same as what was listed in 2015.

Some property owners in the eastern Coachella Valley operate duck hunting clubs in the winter. Water confined to ponds on the property can breed mosquitoes, but mosquito activity typically decreases as the water ages. Breaks in levies and release of water to desert flooding sites create new mosquito breeding sites which can be difficult to treat. In order to reduce desert flooding, the District implemented a policy in 2015 for duck clubs where any water not confined in a pond or designated drainage ditch system would be charged for mosquito control products used to treat those areas. This source reduction policy resulted in a reduction of 51.7 acres of desert flooding sites in 2015.

The Valley Sanitary District, a special district located in Indio, discharges over 2,000 million gallons each year to the Whitewater River. The facility includes three constructed wetlands (15.78 acres) created in 2000. Initially, the wetlands received primary treated water, but the discharges were not meeting the targets for biological oxygen demand. The inputs were switched to secondary treated water, and the wetlands received at least 32 treatments each year for mosquito larvae. In 2015, the wetlands were converted to recirculating the treated water, and no chemical treatments for mosquito larvae were made. Weekly inspections for mosquito larvae and adult surveillance traps verified that mosquito populations were low after the switch. The wetlands were decommissioned in 2016.

Measure 2: Drainage source reduction.

The eastern half of the valley is primarily agricultural and contains 70 miles of open channels that convey water from the subsurface tile drain system and storm water to the Salton Sea. Between scheduled maintenance, channels grow vegetation which may create places for mosquitoes to breed. The Coachella Valley Water District is the agency primarily responsible for maintaining these channels. In 2012, we began working with CVWD to prioritize channel maintenance schedules. Seventeen channels have been cleared or restored since 2012, consisting of 155,450 linear feet and impacting 169.2 acres of potential breeding. In addition, the Valley Sanitary District wetlands listed above were decommissioned.

Measure 3: Working with others. The District works with municipalities, agencies, agricultural land owners, and other members of the public to reduce vector development.

Mosquito issues: City of Cathedral City, City of Coachella, City of Desert Hot Springs, City of Indian Wells, City of Indio, City of La Quinta, City of Palm Desert, City of Palm Springs, City of Rancho Mirage, Coachella Valley Water District, County of Riverside, California Department of Public Health, California Department of Fish and Wildlife, University of California Extension Service, California Department of Food and Agriculture, Agua Caliente Band of Cahuilla Indians, Cabazon Band of Mission Indians, Torres Martinez Desert Cahuilla Indians, US Fish and Wildlife, Artesian Duck Club, Coldwater Duck Club, Mecca Land Duck Club, Model A Duck Club, Sunrise Marsh, LLC, 26th Corporation, Adohr's Duck Club, Middlefarms Duck Club, Northwind Duck Club, North Shore Duck Club, Cocopah Date Farm, Hadley Dates, Oasis Dates, Blue Beyond Fisheries, Desert Sea Farms, Golden Pond Fishery, Inc., Sunshine Forest, Inc, Kent Sea Tech, Corp, Tres Rios Duck Club, Pintail Duck Club, 1 private homeowner, Palm Valley Country Club, the Desert Cities Homeowner Association Council, Outdoor Resorts Motorcoach Park and Safari Mobile Home Park.

Flies: C and R Farms, Living Desert, SA Recycling, University of California Extension Service, California Department of Food and Agriculture, and Prime Time Farms

ACTIVITY 2: VECTOR AND DISEASE SURVEILLANCE

As part of the District's IVM program, surveillance is a key component that drives the use of pesticides in appropriate doses and locations. Prior to any pesticide application, confirmation is made of the number and species of the vector. For mosquito control, surveillance is also conducted for the pathogens which cause disease in the public, e.g., the viruses that cause West Nile Encephalitis, St. Louis Encephalitis, and western equine encephalomyelitis. Detection of high numbers of adult mosquitoes and virus drives the District Risk Modeling and Operational Strategy, where focused applications of adulticides are made to protect vulnerable members of the public.

In May 2016, the District detected *Aedes aegypti* within the city of Coachella. As this mosquito species is a competent vector of dengue, chikungunya, yellow fever, and Zika, the District worked to eradicate the mosquito from the Coachella Valley. This mosquito lives in close proximity to residents, and work was conducted in yards, which is a departure from work that is done to control the other mosquito species within the valley.

Measure 1: Adult Mosquito Control. In 2016, the District used adulticide products 186 days, 130 more days than in 2015. This was driven by a large number of positive SLE samples as well as an elimination program for *Aedes aegypti*.

We applied 50.5 gallons of Anvil 10-10, 7.5 gallons of Duet, 34 gallons of Pyrocid 7396, and 59.5 gallons of Scourge 18 + 54 to cover 26,623 acres on 11 nights using Ultra Low Volume methods through helicopter-mounted sprayers. We used ULV application methods on truck-mounted sprayers to cover 14,438 acres using 2.4 gallons of Anvil 10 + 10, 50.64 gallons of Duet, and 31.3 gallons of Scourge 18 + 54. In residential yards, we treated 874.28 acres over 165 days using 3.65 gallons of Aqua-Reslin using backpack sprayers for ULV applications.

Using barrier sprays, we applied 0.2 gallons of Demand CS to 1.2 acres over 4 days in response to WNV and SLE positive samples. We applied 0.82 gallons of Onslaught, 0.62 gallons of Nyguard, 1.0 gallon of Demand CS, and 4.86 pounds of VectoBac WDG to 9.71 acres over 154 days in response to *Aedes*

aegypti. We tested barrier applications in catch basins using 0.08 gallons of Aqua-Reslin in 27 catch basins.

Measure 2: Adult Mosquito Surveillance. We trapped on 103 nights for normal surveillance for a total of 5,169 trap nights where a trap night is one night for which a trap is set (for example, four traps set for three nights equals 12 trap nights). Additional surveillance for *Aedes*, which began in May, was performed on 83 nights for a total of 1,131 trap-nights. This brings us to a combined total of 136 nights of trapping (CO₂, gravid, and BG-Sentinel traps) for 6,300 total trap nights.

Measure 3: Larval Mosquito Surveillance. We made 36,972 inspections for larval mosquitoes, a 23% decrease.

Measure 4: Larval Mosquito Control. We made 16,940 applications to control larval mosquitoes, a 7.05% increase in treatments.

Product Name	EPA Registration Number	2016 Amount Used	Percent Change
Agnique MMF	53263-28	7.23 gallons	-39.24%
Altosid Briquets	2724-375	509 briquettes	79.86%
Altosid Liquid	2724-392	1.36 gallons	-66.83%
Altosid Pellets	2724-448	5,426.86 pounds	871.51%
Altosid WSP	2724-448	297 pouches	-72.35%
Altosid XR Briquets	2724-421	929 briquettes	-31.74%
Altosid XR-G	2724-451	1,121.86 pounds	-87.95%
Aquabac 200G	62637-3	1,904.32 pounds	-37.45%
FourStar Bti CRG	85685-4	8.75 pounds	Not used in 2015
Kontrol	73748-10	22.30 gallons	312.96%
MetaLarv S-PT	73049-475	1,602.37 pounds	Not used in 2015
Natular 2EC	8329-82	4.28 gallons	-29.84%
Natular G	8329-80	3,561.9 pounds	84.30%
Natular G30	8329-83	8,436.18 pounds	55.93%
Natular T30	8329-85	220 tablets	-82.10%
Natular XRT	8329-84	1,087 tablets	21.86%
Spheratax WSP	84268-2	197 pouches	-78.35%
Sustain MBG	769-992	0.08 pounds	Not used in 2015
Vectobac 12AS	73049-38	27.03 gallons	30.48%
Vectobac G	73049-10	3,177.82 pounds	-23.22%
Vectobac WDG	73049-56	4,515.3 pounds	15,911.70%*
Vectolex WDG	73049-57	1.75 pounds	Not used in 2015
Vectomax FG	73049-429	5,779.35 pounds	59.38%
Vectomax WSP	73049-429	274 pouches	-71.95%
Vectoprime FG	73049-501	102.82 pounds	Not used in 2015

*Vectobac WDG was used in an aerial larvicide campaign against *Aedes aegypti* mosquitoes. It was selected as it was known to work in other applications and is an organic product with high specificity to mosquito larvae.

Measure 5: Chicken Presence. In 2016, we discontinued the use of chickens. When we revised our Laboratory Facility in 2014, we were then able to test mosquito samples on-site for arbovirus. This led to

a quicker response to positive samples, as well as a decrease in the number of positive samples from the chickens. Additionally, the results from the chickens indicated where the virus had been two weeks previously, lagging behind where the virus was currently present. This, combined with the continued high temperatures, meant that we felt that the use of the chickens as a surveillance tool was no longer appropriate in our District.

Measure 6: Chicken Testing. See Measure 5.

Measure 7: Dead Bird Testing. We tested 1 dead birds for WNV and found 0 positives. This is 4 fewer birds tested than in 2015.

Measure 8: Mosquito Disease Surveillance.

Month	½ of month	Period	# pools tested	# WNV positive pools	# SLEV positive pools	# CHIK, Dengue, Zika positive pools
January	1	1	27	0	0	
January	2	2	63	0	0	
February	1	3	0	0	0	
February	2	4	71	0	0	
March	1	5	187	0	0	
March	2	6	362	0	0	
April	1	7	327	0	0	
April	2	8	304	0	0	
May	1	9	284	2	0	
May	2	10	248	3	0	0
June	1	11	328	3	0	0
June	2	12	311	2	2	0
July	1	13	183	3	8	0
July	2	14	127	4	15	0
August	1	15	104	1	5	0
August	2	16	140	0	30	0
September	1	17	198	1	19	0
September	2	18	204	0	5	0
October	1	19	257	0	5	0
October	2	20	304	0	2	0
November	1	21	451	0	1	0
November	2	22	132	0	0	0
December	1	23	13	0	0	0
December	2	24	5	0	0	0
Totals			4,630	19	92	0

This is a 28% increase in the number of samples tested, and it includes 225 pools which were tested for arboviruses such as chikungunya, dengue, and Zika. The number of positive WNV samples decreased by 80% and the number of SLEV samples increased by 149%.

Measures 9 and 10: Red Imported Fire Ant Infestation and Follow-ups. Inspections done to determine if treatment is needed showed that 99% of sites surveyed did have red imported fire ants. Follow-ups to sites showed that there was a 68% reduction in the fire ants.

Measures 11 and 12: Fly Surveillance.

Request #	Location	City	Date	Total number of traps set	Total number of flies caught	Average number of flies per trap
1	Trilogy HOA	La Quinta	5/24/2016	8	166	2
2	Trilogy HOA	La Quinta	7/29/2016	8	6,817	852
3	Trilogy HOA	La Quinta	8/19/2016	8	290	36
4	Trilogy HOA	La Quinta	8/26/2016	8	427	53
5	Trilogy HOA	La Quinta	12/20/2016	9	91	10

We collected on one occasion in 2015, and we caught 4,452 more flies in 2016.

ACTIVITY 3: BIOLOGICAL CONTROL

The District conducts biological control where feasible, using mosquitofish and tadpole shrimp reared on site. Biological control agents are stocked on private property in accordance with California Department of Fish and Wildlife Policy.

Measure 1: We stocked **109,540** mosquitofish (a 4.93% decrease)

Measure 2: We stocked **0** tadpole shrimp eggs, which is unchanged from 2014.

ACTIVITY 4: TRAINING VECTOR CONTROL STAFF

District technicians are highly trained individuals who daily use techniques to reduce pesticide risk. As certified California Vector Control Technicians, staff receives training in biennial cycles on pesticides, mosquitoes, other invertebrates, and vertebrates of importance to public health as approved and required by the California Department of Public Health. In addition, staff is also trained in-house on standard operating procedures, including but not limited to, spill prevention and clean-up, identification of protected species, and calibration of equipment.

Measure 1: The number of certified VCTs on staff was **47** as of December 31, 2016. This is three VCT more than at the same time the previous year.

Measure 2: The type of training received annually. This may include annual conferences, college programs, special training, and in-house training.

Outside Training:

Training	Number of Attendees
Mosquito and Vector Control Association of California annual conference	9
American Mosquito Control Association annual conference	4
Imported Fire Ant conference	3
Society of Vector Ecology conference	1
Arbovirus Surveillance and Mosquito Control workshop	1

In-house Training:

TRAINING	DATE	ATTENDEES
Staff-wide Training (at Staff Meetings)		
Illness and Injury Prevention Program	1/15/16	50
Aggressive Driving	2/12/16	35
Emergency Preparedness and Earthquake Safety	4/15/16	48
Heat Safety and UV Exposure	6/17/16	56
Blood-borne Pathogens	7/15/16	49
Workplace Shooter Training	8/19/16	48
Slips, Trips and Falls Prevention	9/16/16	56
Hazard Communications	11/18/16	43
Department Specific		
N-Series - Annual Pesticide Handler Safety Training	1/7/2016	42
Labels and Safety Data Sheets	1/6/2016	42
Respirator Use and Fit	2/23/2016	26
Listed Species, CEQA, and NPDES	2/23/2016	23
Safe Pesticide Handling and Personal Protective Equipment	2/9/2016	24
Spill Prevention and Clean-up	2/9/2016	24
Golf Cart Safety	1/12/2016	23
Control Product Use and Selection	2/2/2016	21
Acreage Estimation	2/16/2016	21
Warrant Protocol	4/5/2016	26
Zone Management	3/29/2016	25
Resistance Management and Product Rotation	2/2/2016	21
Small Equipment Care and Maintenance	2/16/2016	22
Ground ULV Roles and Responsibilities	4/12/16	22
Principles of Calibration and their Field Application	3/1/2016	17
Invasive Aedes Response	5/10/2016	14
Pesticide Management and Inventory	3/29/2016	25
Vehicle Preventative Maintenance	3/29/2016	25

**The date above reflects when the initial training was given. Additional or make-up trainings may have occurred at later dates.*

ACTIVITY 5: PUBLIC OUTREACH

The District believes that educating members of public is important in reducing pesticide risk. As the public becomes better informed about vectors and vector control issues, vector populations will be reduced and applications of chemicals will be reduced.

Measure 1: The number of IVM brochures and flyers distributed for the calendar year was 13,200. This included disease notification postcards with IVM messaging included sent to residents' homes in neighborhoods where West Nile virus and Saint Louis encephalitis virus had been detected, and to residents where the invasive mosquito species *Aedes aegypti* had been detected, as well as brochures and informational handouts distributed at talks and events. This is a decrease from last year when the area had a record number of virus-positive mosquito samples detected in urban areas.

Measure 2: The District conducted **61** outreach activities in 2016 that covered the topics of IVM, environmental stewardship, or PESP, reaching about **8,000** people. We performed 42 outreach activities in 2015.

Measure 3: The number of paid TV, radio, and newspaper spots was 566 (compared to 3,885 paid spots in 2015), with a total reach of nearly 400,000 during one campaign when adding each media outlets reach (compared to a reach of 1.6 million in 2015). We did not do a second campaign since we did extensive outreach door-to-door educating the public. Twenty media releases were distributed in 2016 (six more than the previous year), resulting in 50 TV, radio, newspaper, and electronic news stories (10 more stories than 2015), and 127,576 visits to the District website (a 20% increase in visits from the previous year).



Coachella Valley Mosquito and Vector Control District

Staff Report

March 14, 2017

Agenda Item: Informational Item

California Environmental Quality Act (CEQA) Mitigated Negative Declaration Annual Compliance Report – **Jennifer A. Henke, M.S., Laboratory Manager**

Background:

On October 11, 2011, the Board of Trustees of the Coachella Valley Mosquito and Vector Control District approved a Mitigated Negative Declaration regarding District activities, specifically its Integrated Vector Management Program (Resolution 2011 – 18). Pursuant to Section 21081.6 of the Public Resources Code and the CEQA Guidelines Section 15097, a public agency is required to adopt a monitoring and reporting program for assessing and ensuring compliance with the required mitigation measures applied to a proposed project for which a mitigated negative declaration has been prepared. As stated in the Public Resources Code:

“...the public agency shall adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects.”

The District is required to self-monitor continuously and to complete an annual Compliance Report. The summary of the report is attached.

Exhibits:

- 2016 CEQA annual report executive summary

**Coachella Valley Mosquito and Vector Control District
43-420 Trader Place, Indio, CA 92201**

**CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)
MITIGATED NEGATIVE DECLARATION
2016 ANNUAL COMPLIANCE REPORT**

BACKGROUND

The California Environmental Quality Act (CEQA) requires public agencies to conduct an environmental review to determine the cumulative impact of their activities on the environment. The Coachella Valley Mosquito and Vector Control District (hereafter, the District) conducted an Initial Study in July 2011 to determine the cumulative effects of its Integrated Vector Management Program to all parts of the District's jurisdiction (Project). In the Initial Study, the District determined that the Project could have a significant impact on the environment that could be made not significant through mitigation. Thus, the District prepared and adopted a Mitigated Negative Declaration on October 11, 2011.

As part of its Mitigated Negative Declaration, the District, in accordance with Section 21081.6 of the Public Resources Code and the *CEQA Guidelines* Section 15097, adopted a monitoring and reporting program for assessing and ensuring compliance with the required mitigation measures applied to its Project. This is the Annual Compliance Report detailing the monitoring which took place in 2016.

The District followed the Mitigation Monitoring and Reporting Program outlined in the Mitigated Negative Declaration. The District determined what actions would indicate compliance with the Mitigation Measure. What follows are the mitigation measures listed in the Mitigated Negative Declaration, the actions indicating compliance from the Mitigation Monitoring and Reporting Program, and a summary of what occurred in 2016. Overall, the District complied with the Mitigation Monitoring and Reporting Program, ensuring that its Integrated Vector Management Program did not have significant impact on the environment.

Mitigation Measure 1: *The District does not conduct routine control activities within 18 designated CVMSHCP conservation areas. The District conducts surveillance and control measures within the Coachella Valley Storm water Channel and Delta, and small residential communities found within the Thousand Palms and West Deception Conservation areas.*

Action indicating compliance: The District will maintain a map of the areas that may be impacted by surveillance and control measures. The Laboratory Manager will create a report using the Mosquito Mobile information to create a record of inspections and treatments made to the Coachella Valley Storm water Channel and Delta, Thousand Palms, and West Deception Conservation Areas. A copy of this report will be available upon request.

2016 activity: The District made 344 applications of larval mosquito control products to duck clubs and Salton Sea marshes (72 sites) within the Coachella Valley Storm Water Channel and Delta. Applications were made in accordance with the District's Larval Control Procedures and the District Recommended Rates. The District also placed mosquitofish in two duck club ponds within the Coachella Valley Storm Water Channel and Delta. Applications were made to private property, in accordance with California Fish and Wildlife Code. The District made no applications for red imported fire ant (RIFA) control within the conservation areas.

Mitigation Measure 2: *The District shall comply strictly with control product labels that are written to ensure that no significant impact to biological resources can occur.*

Actions indicating compliance:

- An annual refresher course organized by the Lead Supervisor to discuss products and District recommended applications will be conducted.
- The Lead Supervisor, Field Supervisors, and Lead Technicians examine the Mobile information for discrepancies. These are then reviewed with the technician by the Field Supervisors. A file of these discrepancies and the recommendation for improvement is kept by the Lead Supervisor/Operations Manager.
- Reports of non-compliance with control product labels are made to the Riverside County Agricultural Commissioner by the Lead Supervisor/Operations Manager.
- Monthly reports of product usage are made by the Lead Supervisor/Operations Manager to the Riverside County Agricultural Commissioner.

2016 activity: The District conducted training on products, including the N-Series (January 7, 2016), District recommended rates (February 2, 2016), Personal Protective Equipment (February 9, 2016), Respirator Fit Test (February 23, 2016), and product labels and Safety Data Sheets (January 6, 2016). The District had two instances of non-compliance with a control product label due to over application; both instances were in small sites where using small amounts to achieve control has been difficult. A discussion was had with the Agricultural Commissioner, and the District has chosen to use other products in the smallest of mosquito sources. Monthly reports of product usage were made and are available on request.

Mitigation Measure 3: *Project activities shall be highly selective in space and time, based on a detailed list of potential mosquito sources, pre-control surveillance for mosquito abundance, and threshold criteria for control applications.*

Action indicating compliance: A file will be made available for review at the front desk that will include the annual map of all known sources, the location of adult surveillance traps, the location of larval surveillance (using the mosquito inspections from the Mosquito Mobile), and the District thresholds for treatment (both larval and adult procedures).

2016 activity: Maps and thresholds are available on request.

Mitigation Measure 4: *The District's field technicians shall be certified by the California Department of Public Health Services as highly-trained control product applicators and required to complete frequent continuing education sessions sponsored by the District and by the Mosquito & Vector Control Association of California pursuant to State Regulations.*

Action indicating compliance: A file containing copies or scans of all technician certifications will be made and will be located at M:\CEQA. This file will include information on the continuing education sessions completed by the technicians.

2016 activity: Information on technician certification is available upon request.

Mitigation Measure 5: *The Project is routinely monitored for safety, efficacy, and environmental impact by the District's Supervisors and General Manager, by the Riverside County Agricultural Commissioner, and other Trustee and Responsible agencies.*

Action indicating compliance:

- The District's Supervisors and General Manager will review the annual safety report created by the Safety Officer of the District, the annual report on quality control created by the Biologist, and the annual report created by the Laboratory Manager.
- The District will keep a copy of the report made by the Riverside County Agricultural Commissioner on file.
- The District will keep a copy of the report made by the California Department of Public Health on file.

2016 activity: Reports on safety, quality control, and environmental compliance were made to the General Manager. The Vector-Borne Disease Section of the California Department of Public Health reviewed the District's Program on June 15, 2016; no recommendations were made. No reports were made by the Riverside County Agricultural Commissioner or the California Department of Public Health.

Mitigation Measure 6: *The District and the Mosquito & Vector Control Association of California will routinely fund and collaborate with researchers from the University of California and other academic institutions on research projects to evaluate activities and to ensure that practices are used with the least potential impact on biological resources consistent with operational requirements.*

Action indicating compliance: A copy of the annual budget and annual reports completed by these researchers will be available.

2016 activity: The District funded four researchers in 2016. Copies of their annual reports are available on request.

Mitigation Measure 7: *Project activities shall be consistent with the Riverside County General Plan's Conservation Element, and the Coachella Valley Multiple Species Habitat Conservation Plan, California and Federal Endangered Species Act and City General Plans in the Service Area.*

Action indicating compliance:

- The Environmental Biologist will review these plans and inform the District of any changes that need to be made to the Project's activities.
- The Environmental Biologist will conduct annual training of the District's employees to inform them of species that are listed as endangered.

2016 activity: The Interim Scientific Operations Manager provided all field staff with training and updated manuals on Federal and State Listed Species on February 23, 2016.

Mitigation Measure 8: *District staff shall coordinate and consult with other responsible agencies, including the California Department of Health Services, the California Department of Fish and Game, and the Bureau of Land Management to ensure that Service Area activities do not result in significant impacts to biological resources.*

Actions indicating compliance:

- A copy of the cooperative agreement with California Department of Health Services is updated annually and available. This is coordinated by the Scientific Operations Manager.
- A copy of the permits awarded by the California Department of Fish and Wildlife (CDFW) is available. Permits are updated as needed by the Environmental Biologist.
- The Environmental Biologist will obtain a MOU from the Bureau of Land Management if necessary.

2016 activity: When applying to the California Department of Fish and Wildlife for a permit for 2012, the District was informed that a permit was not needed to stock private water:

In California Code of Regulations, Title 14, Section 238.5 (f) the following is stated:

"In Inyo and Mono counties, and in public waters of San Bernardino, Riverside and Imperial counties, mosquitofish may not be planted without the written concurrence of the department".

No work was conducted requiring an MOU from the Bureau of Land Management. A copy of the agreement with the California Department of Health Services for 2016 is available on request.

Mitigation Measure 9: *The movement of All Terrain Vehicles (ATVs) shall be guided by the*

ground crew to avoid any damage to wildlife, if present. The use of ATVs by the District shall not have a significant effect on the environment by limiting its activities to agricultural areas such as irrigated date gardens. In the spring months on the west side of the Salton Sea, use of the ATV's shall be limited to existing dirt roads around the flooded areas of fishery ponds. The District staff shall use existing dirt roads around the fish farm ponds and shall enter only those open areas under the salt grass in the vicinity of the fish farm ponds. In the fall months the use of ATV's shall be limited to sites such as duck club ponds that are man-made.

Actions indicating compliance:

- The Shop Clerk will maintain a record of where District staff use ATVs from the key log of the Lead Technicians.
- The Field Supervisors and Fleet Maintenance Staff train the technicians annually on the proper use of ATVs as well as the appropriate habitats in which they should be used.

2016 activity: The District used ATVs eighteen times during breeding season (March – June) near the shoreline or in duck clubs to examine the need for an aerial application. Use was restricted, and staff watched for signs of wildlife. Otherwise, ATV use in the spring and early summer was restricted to agricultural fields. ATVs were used in the duck clubs during the late summer, fall and winter. Staff was trained on appropriate use of ATVs on September 27, 2016.

Mitigation Measure 10: *The District shall use mosquitofish (Gambusia affinis) only in private man-made bodies of water for mosquito control – neglected pools.*

Action indicating compliance: The District Biologist will provide a report of the use and location of mosquitofish stocking.

2016 activity: Mosquitofish were stocked in neglected swimming pools, ornamental ponds, storm water structures, and duck clubs. Fish were used in man-made bodies of water for mosquito control. A map of treatments is available upon request.

Mitigation Measure 11: *The District shall maintain a California Department Fish and Game (CDFG) Permit for mosquitofish stocking.*

Action indicating compliance: A copy of the permit is available at the front desk.

2016 activity: See Mitigation Measure 8.

Mitigation Measure 12: *The District shall plant mosquitofish only in temporary man made wetlands that are covered by a CDFG permit which include Sections 19, 28, 29, 30, 31, Township 7, Range 9.*

Actions indicating compliance:

- A copy of the permit is available at the front desk.
- The District Biologist will provide a report of the use and location of mosquitofish stocking.

2016 Activity: See Mitigation Measures 8 and 10.

Mitigation Measure 13: *The District shall not plant mosquitofish in the following Desert Pupfish refugia ponds:*

- i. *McCallum/Simone pond and Visitor center pond or any water course at the Thousand Palms Preserve, along Thousand Palms Canyon Drive.*
- ii. *The Seep pond, the Oasis pond or the Cienega (Sonoran) pond located at the Living Desert Zoological Gardens.*
- iii. *The small pond behind the Salton Sea State Park Headquarters.*
- iv. *Any pond or watercourse located at the Dos Palmas Preserve.*

Action indicating compliance: The District Biologist will provide a report of the use and location of mosquitofish stocking.

2016 Activity: See Mitigation Measure 10.

Mitigation Measure 14: *When mosquito numbers exceed District control thresholds and other control methods would be ineffective, contrary to permits or other environmental protections, or otherwise inappropriate, the District shall utilize only those specific insecticides that are registered for use in California and that possess a current EPA label.*

Action indicating compliance: A copy of the current pesticide labels will be available.

2016 Activity: Current product labels are posted at www.cvmvcd.com.

Mitigation Measure 15: *The District shall maintain current and updated maps and other information from the California Department of Fish and Game Natural Diversity Data Base, the Coachella Valley Multiple Species Habitat Conservation Plan, the Bighorn Sheep Recovery Plan and similar sources on the location of Special Status Species and designated Natural Communities in the Service Area.*

Actions indicating compliance:

- The Environmental Biologist will review these plans and inform the District of any changes that need to be made to the Project's activities.
- Copies of these plans are located at the front desk.
- Information from these maps is used by the IT department to maintain digital records of these maps within ArcGIS.

2016 Activity: The District uses the maps available from the Coachella Valley Association of Governments (CVAG). All maps are up-to-date.

Mitigation Measure 16: *The District shall coordinate its activities with approved Habitat Conservation Plans and Species Recovery Plans.*

Actions indicating compliance:

- The Environmental Biologist will review these plans and inform the District of any changes that need to be made to the Project's activities.
- The Environmental Biologist will conduct annual training of the District's employees to inform them of species that are listed as endangered.

2016 Activity: See Mitigation Measure 7.

Mitigation Measure 17: *The District shall conduct all its activities consistent with the requirements of the California Department of Fish and Game, the Regional Water Quality Control Board, the US Fish and Wildlife Service and the US Army Corps of Engineers.*

Actions indicating compliance:

- Copies of permits that have been obtained from CDFW and from the State and the Regional Water Quality Control Boards are available at the front desk. These permits are updated as needed by the Environmental Biologist.
- The District will develop a plan for dealing with endangered species that will be submitted to the US Fish and Wildlife Service.
- The District currently does not have any activities that require input from the US Army Corps of Engineers.

2016 Activity: The District maintained the updated State and Regional Water Quality Control Board permits. The District has not developed a plan for dealing with endangered species, but it is involved in the American Mosquito Control Association which is creating a Federal position on vector control and endangered species. The District did file a document outlining its mosquito control efforts on property that is intended to be habitat for desert pupfish, *Cyprinodon macularius*, with US Fish and Wildlife Service in 2013 and continues to discuss the location of the pupfish with US and CA Fish and Wildlife Services. The District assisted the CA Fish and Wildlife Service with its population surveys for the desert pupfish, *Cyprinodon macularius*, in 2015 and did not find mosquitoes in areas where the pupfish were present.

Mitigation Measure 18: *The District shall maintain policies and programs for the continuing education of field personnel to ensure minimization of specific mosquito control activities and/or the use of alternative mosquito control methods which might impact Special Status Species or designated Natural Communities.*

Actions indicating compliance:

- The District will maintain records of in-house training sessions for staff as well as records of CEUs completed by staff. The District will maintain records of conferences attended by the staff.

2016 Activity: See Mitigation Measures 4 and 17. The freshwater and coastal marshlands are home to the desert pupfish, *Cyprinodon macularius*. According to the Recovery Plan, desert pupfish are omnivorous on algae, plants, invertebrates, and detritus. Desert pupfish prefer slow flowing water with some open vegetation, which is not a source of larval mosquitoes. Thus, there is no reason that mosquito control products would be used in habitats with desert pupfish. Even

if they were used, the products are not toxic to fish. Desert pupfish were not seen in the location where products were applied referenced in Mitigation Measure 17.



Coachella Valley Mosquito and Vector Control District

March 14, 2017

Staff Report

Agenda Item: Information Item

Staff report from:

- MVCAC Lobby Day, February 7, 2017 in Sacramento, CA

Report:

On February 6, 2017 MVCAC held a Board Meeting at the Sheraton Grand hotel. General Manager Jeremy Wittie, Laboratory Manager Jennifer Henke, and Trustee Doug Hassett were in attendance.

In the afternoon, MVCAC offered a Legislative Day Training event at the. The training was organized and led by the MVCAC PR Committee and MVCAC's lobbying firm KP Public Affairs. The objective of the training was to coach MVCAC Lobby Day attendees on how to hold short, focused, goal oriented meetings with their Legislators on Lobby day. There were over 30 attendees at the training session.

On February 7, 59 attendees representing 21 mosquito and vector control districts from across California attended MVCAC Lobby Day. At 8AM a short overview of MVCAC talking points was given by Ed Manning, MVCAC Lobbyist. At 9AM participants left for meetings at the Capitol building. The MVCAC is supporting two bills, which the attendees spoke to their representatives about the need for support

1. To establish a program for permitting pesticide applications using unmanned aerial systems (drones)
2. To establish a grant program for invasive mosquito and vector-borne disease research

Trustee Doug Hassett, Trustee Mike Monroe, and Laboratory Manager Jennifer Henke attended the training and met with the staff of the legislators from the Coachella Valley,

- Assemblyman Eduardo Garcia, 56th District
- Assemblyman Chad Mayes, 42nd District
- Senator Jeff Stone 28th District

ATTENDEES:

Doug Hassett, Trustee

Mike Monroe, Trustee

Jeremy Wittie, General Manager

Jennifer Henke, Laboratory Manager



Coachella Valley Mosquito and Vector Control District

Staff Report

March 14, 2017

Agenda Item: Information Item

Staff report from:

- AMCA Annual Conference, February 13-17, 2017 in San Diego, CA

Report:

The annual meeting of the American Mosquito Control Association (AMCA) is an opportunity for staff to meet with leading mosquito workers from North America and other countries.

Gregorio Alvarado, Lead Technician, received the Boyd Ariaz Grass Roots Award, which recognizes non-supervisory field staff and technician excellence in mosquito control. In addition to the recognition, Gregorio received complimentary registration and \$700 to assist in attendance and participation in the AMCA Annual Meeting.

Gerald Chuzel, District Biologist, presented a poster during the poster session on comparison of 3 adult control products.

Jennifer Henke was invited to speak in the managing invasive *Aedes* mosquitoes in California symposium about the work conducted in the District to combat *Aedes aegypti*. Jennifer was also invited to speak in the catch basin mosquito control symposium about the work done evaluating products in District storm water structures.

This year the AMCA Annual Conference hosted sessions on:

- Control techniques and possible eradication of *Aedes aegypti*
- Collection and public dissemination of mosquito abundance data
- Managing invasive *Aedes* mosquitoes in California
- Spatial repellents
- Efforts to combat invasive *Aedes*-transmitted diseases in the California/Mexico border region
- Catch basin mosquito control
- Unmanned aerial systems in mosquito control
- Larvicide and adulticide resistance in mosquitoes

ATTENDEES:

Doug Walker, Trustee

Jeremy Wittie, District Manager

Jennifer Henke, Laboratory Manager

Kim Hung, Vector Ecologist

Roberta Dieckmann, Field Supervisor

Gerald Chuzel, Biologist

Gregorio Alvarado, Lead Technician

FINANCE

The financial reports show the balance sheet, receipts, and the revenue and expenditure reports for the month ending February 28, 2017. The revenue and expenditure report shows that the operating budget expenditure for July 1, 2016 to February 28, 2017 is \$5,910,743; total revenue is \$4,919,067 resulting in excess revenue over (under) expenditure for the year to February 28, 2017 of \$(991,676).

THREE YEAR FINANCIALS

	2/28/2017	2/29/2016	2/28/2015
Total Revenue	4,919,067	4,382,050	4,156,103
Expenses			
Payroll	4,323,996	4,290,383	3,813,387
Administrative Expense	349,643	507,778	503,051
Utility	76,771	72,077	71,110
Operating Expense	1,160,333	880,226	808,085
Total Expenses	5,910,743	5,750,464	5,195,633
Profit (Loss)	(991,676)	(1,368,414)	(1,039,530)
Capital Expenses	496	51,413	100,630

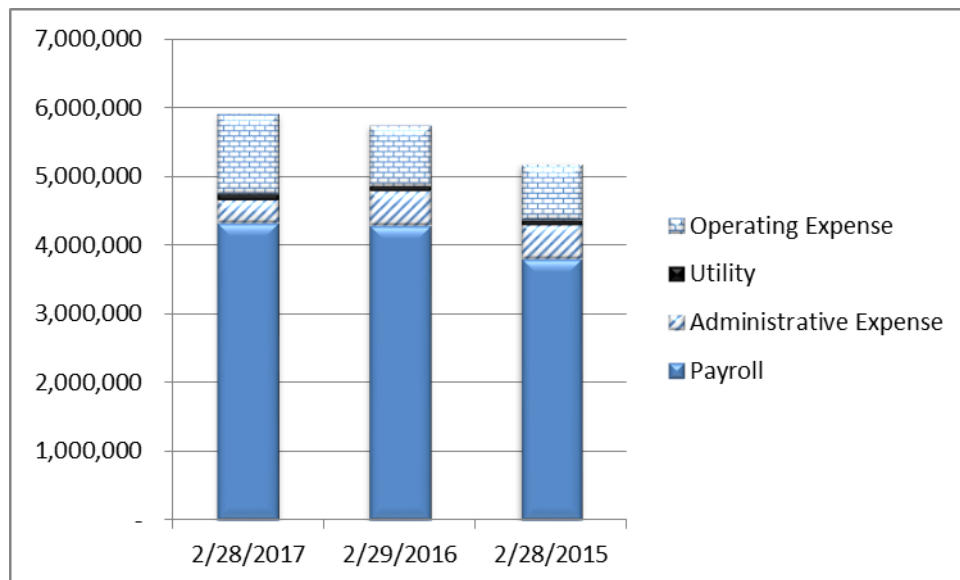


Figure 1 Same Period Three Year Expenditure

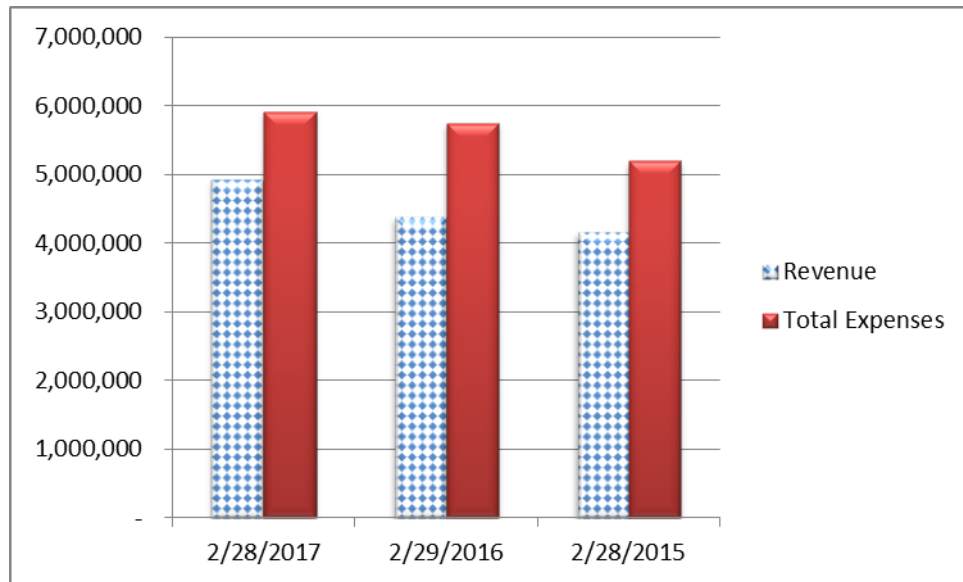


Figure 2 Same Period Three Year Revenue & Expenditure

THREE YEAR CASH BALANCE

CASH BALANCES	2/28/2017	2/29/2016	2/28/2015
Investment Balance	11,519,793	11,688,536	12,140,228
Checking Accounting	6,217	5,088	4,971
Payroll Account	71,599	53,339	123,237
Building Account	-	-	22,236
Petty Cash	2,000	2,000	2,000
TOTAL CASH BALANCES	11,599,609	11,748,963	12,292,672

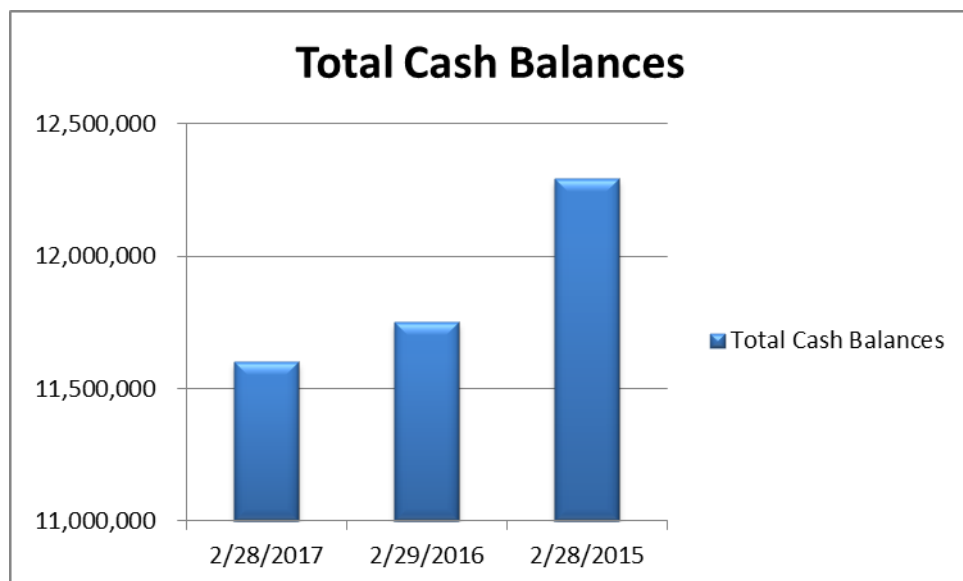


Figure 3 Same Period Three Year Cash Balances

DISTRICT INVESTMENT PORTFOLIO 2/28/2017

The District's investment fund balance for the period ending February 28, 2017 is \$11,519,793 the portfolio composition is shown in the pie chart. Local Agency Investment Fund (LAIF) accounts for 51% of the District's investments; the Riverside County Pooled Investment Fund is 35% of the total.

The LAIF yield for the end of February 2017 was 0.77% and the Riverside County Pooled Investment Fund was 0.85%; this gives an overall weighted yield for District investments of 0.73%.

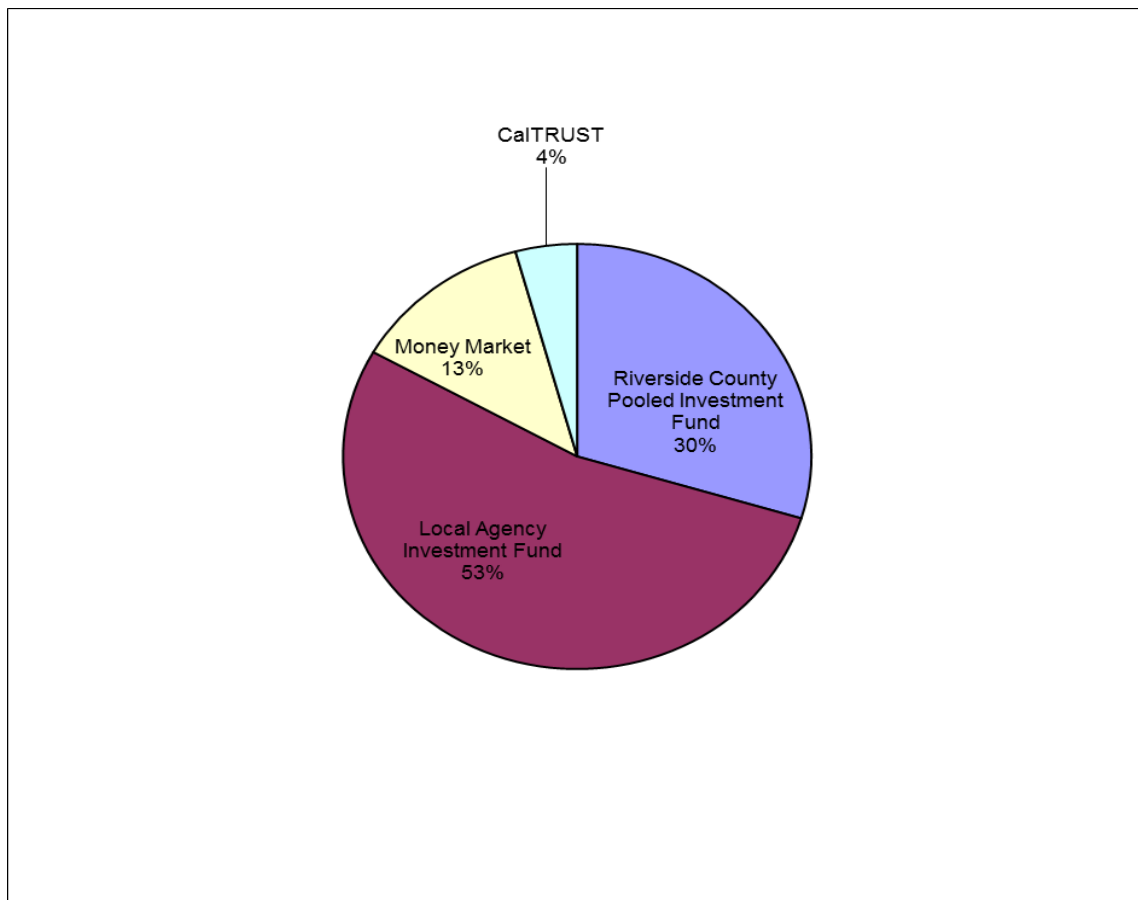


Figure 4 Investment Portfolio 2-28-17

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2011	0.66	0.67	0.66	0.64	0.65	0.61	0.60	0.56	0.56	0.54	0.53	0.52
2012	0.53	0.51	0.50	0.50	0.47	0.46	0.47	0.43	0.43	0.41	0.39	0.34
2013	0.33	0.34	0.33	0.32	0.32	0.32	0.32	0.32	0.31	0.30	0.32	0.29
2014	0.27	0.30	0.33	0.31	0.30	0.30	0.34	0.37	0.35	0.37	0.35	0.39
2015	0.37	0.40	0.36	0.35	0.37	0.39	0.41	0.41	0.43	0.43	0.44	0.46
2016	0.50	0.55	0.57	0.56	0.54	0.61	0.57	0.63	0.64	0.63	0.69	0.73
2017	0.74	0.73										

Figure 5 District Investments Weighted Yield

HUMAN RESOURCES

RECRUITMENT

Recruitment is continuing for the position of Operations Manager.

NEW EMPLOYEES

Arturo Gutierrez Jr., Jose Maldonado, Albert Martinez, Cesar Ponce, Rosendo Ruiz, Jazmin Valop, and Jose Zavala began work in the position of Seasonal Vector Control Operator.

PROMOTION

Jennifer Henke, Environmental Biologist, has been promoted to the position of Laboratory Manager effective January 20th. Jennifer has worked at the District since November 2011.

PROFESSIONAL DEVELOPMENT

Lead Vector Control Technician *Gregorio Alvarado* received an Associate of Science degree in Natural Resources from College of the Desert on December 16, 2016.

Biologist *Gabriela Harvey* received a Master of Science degree in Entomology from the University of Nebraska on December 17, 2016.

BEYOND THE BITE ACADEMY

The District's first year of the new Beyond the Bite Academy was held on February 9th. Members of this year's class are: Vector Technicians *Salvador Becerra, Fernando Gutierrez, and Jeffery Rushing*; Biologist *Christopher Cavanaugh*; IT/GIS Assistant *Antonio Molina*; and Accounting Technician *Graciela Morales*. The Academy training program is designed to provide relevant training, in alignment with organizational needs, through which individual skills are developed and performance is enhanced.



TRAINING

Managers *Jeremy Wittie, Rodney Chamberlain, Jennifer Henke, David l'Anson, Anita Jones, Jill Oviatt, and Edward Prendez* attended the required two hour *Ethics Training* mandated by AB 1234 on December 7, 2016, in Palm Desert. The training was presented by *Mark Meyerhoff* of Liebert Cassidy Whitmore.

PUBLIC OUTREACH DEPARTMENT

January and February 2017 were filled with public outreach opportunities in the Coachella Valley.

Public Outreach Events: The District attended three health and resource fairs and hosted a booth at the **Riverside County Fair and Date Festival**, where about 2,800 people stopped by to interact with staff. The District piloted an interactive backyard sources display at the Date Festival where visitors learned about invasive *Aedes* mosquitoes, backyard standing water sources that attract mosquitoes, and prevention and protection tips; booth visitors picked up repellent and education materials. District developed the theme, booth panels, and interactive elements which we will continue to use in upcoming public outreach events in



Left: Vector Control Technician II Carlos Hernandez, explains where mosquitoes lay their eggs. **Right:** Vector Control Technician II, Jess Lucia, educates families on mosquito trapping and surveillance using a mosquito toss game at the Date Festival.

Coachella Valley cities where invasive *Aedes* mosquitoes have been detected. Twenty four staff worked the fair during shifts from 10am-3pm and 3-8pm daily, talking to the public about the importance of mosquitoes, mosquito-borne diseases, and how to reduce vectors in the Valley.

Working with Schools: The Public Outreach Department participated in the Desert Sands Unified School District, Coachella Valley Unified School District, and Palm Springs Unified School District annual science and engineering science fairs. Vector Ecologist *Kim Hung* participated as a judge choosing the 2017 Best Entomologist for each school district. A student from Coachella Valley High School started an eight-week job shadow program at the District and will spend Tuesdays learning the science behind mosquito and vector control.

Publications and media: We sent out one news release and about 2,000 postcards to residents regarding aerial larval control applications started in February in Indio following repeated detections of invasive *Aedes* mosquitoes there. News stories appeared in print or online on KESQ, the Desert Sun, and the Patch. Laboratory Manager, *Jennifer Henke*, was featured in a special segment on KESQ on *Women in Stem Careers*.



Left: Kim Hung chooses Best Entomologist project, Ant Repell 'Ants' by student Griffin Lane.

SURVEILLANCE AND QUALITY CONTROL MANAGEMENT PROGRAM

The vector-borne statewide surveillance program was established in 1969. The District began encephalitis surveillance in the early 1980s and the surveillance program has been in place since 1990. The District program includes the monitoring of vector and vector borne diseases and the implementation, evaluation and analysis of integrated vector management strategies in the Coachella Valley. Information generated by this department is used by District Operations staff to ensure control measures are efficiently implemented in the field.

DISEASE SURVEILLANCE (AS OF 3/6/2017)

California – Last year West Nile virus activity in people was the most similar to other moderate WNV years such as 2008 and 2012, but not as bad as years like 2004, 2014, and 2015. From January to February 2017, three birds have tested positive for West Nile virus (San Mateo, Los Angeles, and San Diego counties). These birds were probably infected in 2016. St Louis encephalitis virus activity was more active in 2016 than in 2015. There were 3 human cases in California, including 1 death attributed to the disease. There were 9 cases in the United States.

Coachella Valley – Testing mosquitoes for arboviruses is being conducted at the District. Thus far in 2017 there have not been any mosquito samples that have tested positive for WNV or any other virus. Viruses in mosquitoes are usually first detected beginning in May or June, although earlier viruses detections have been made in the District during previous years.

ENDEMIC MOSQUITO SURVEILLANCE

CO₂ TRAPS

During the normal mosquito season (March through mid-November) the District Laboratory staff maintains 102 CO₂ (carbon dioxide) traps through the District to monitor the mosquito populations. Extra emphasis is placed on mosquito species that are known to be vectors of virus that cause human disease. These vector species in the Coachella Valley are *Culex tarsalis* and *Cx. quinquefasciatus*. In the rural areas *Cx tarsalis* is the most abundant vector species. CO₂ traps release carbon dioxide to attract mosquitoes looking to obtain a blood meal and are very effective at collecting *Culex* mosquitoes. The average number of vectors captured per trap per night is monitored and used to guide operational activities of the District. The number of mosquitoes collected in half-month periods is compared to the previous 5-year average. The surveillance program mosquito abundance is broadly reported in two areas – Urban and Rural. These Urban and Rural areas are also broken down into smaller zones to look at more specific regions of the Districts when planning mosquito control activities.

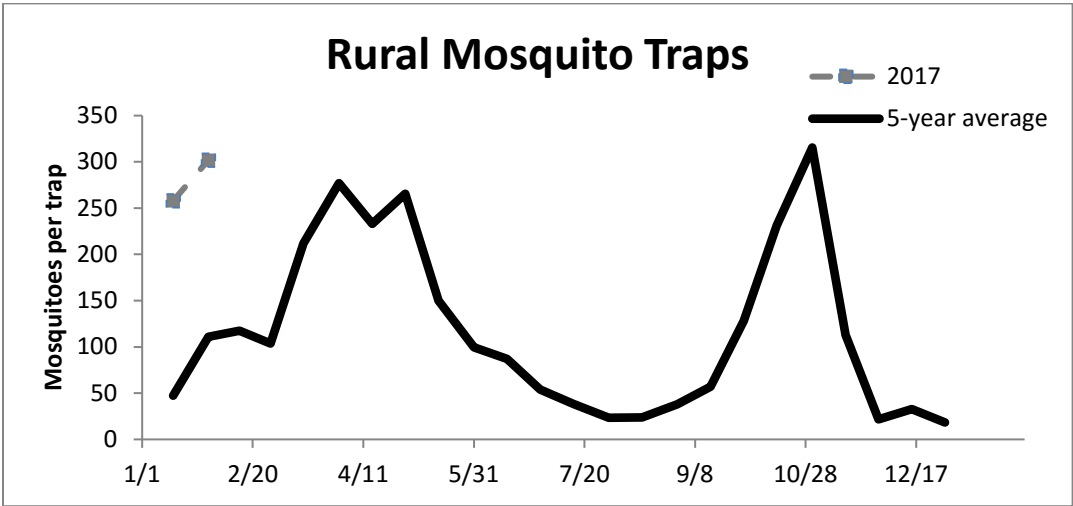
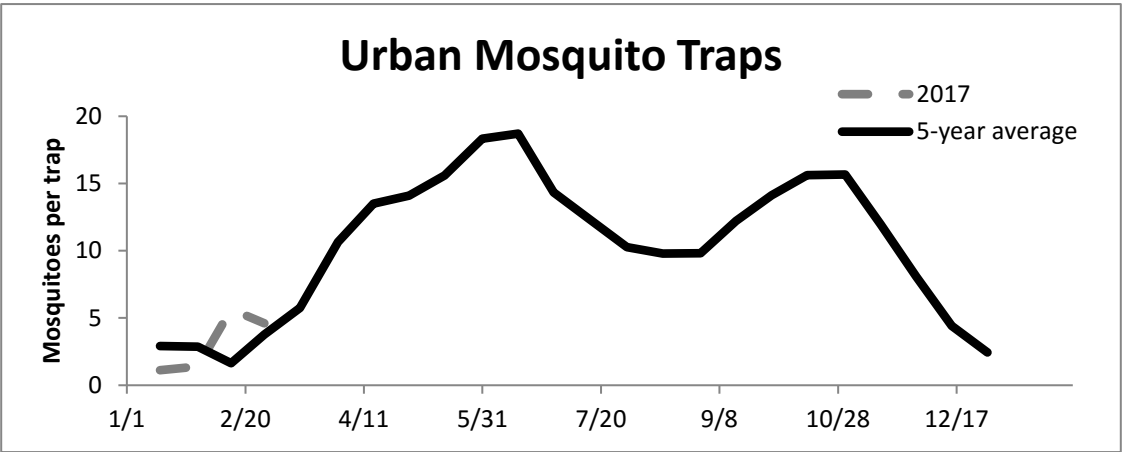
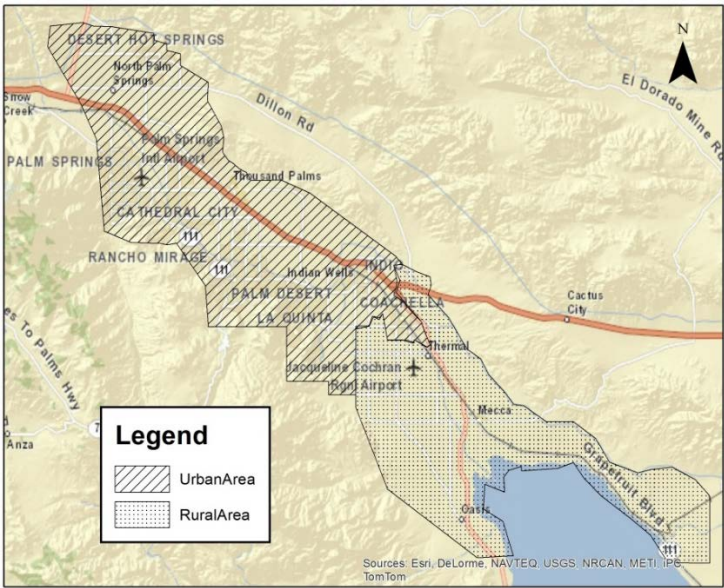


Gravid Traps

Gravid traps use water infused with organic matter such as alfalfa to attract mosquitoes looking to lay eggs. These traps are especially effective at collecting *Cx quinquefasciatus* mosquitoes, which are the primary disease vector in the urban areas of the District. However, other mosquito species, including *Cx tarsalis* are not attracted to these traps. Because of their use in targeting *Cx quinquefasciatus* mosquitoes these traps are placed in urban areas of Coachella Valley. The District currently uses gravid traps at 47 locations during the normal mosquito season.



MOSQUITO SURVEILLANCE ZONES



EXOTIC MOSQUITO SURVEILLANCE

Aedes aegypti has been detected in 4 cities: Coachella (2 separate regions), Cathedral City, Indio, and Palm Springs. BG-Sentinel traps are deployed weekly at each region to detect adult mosquitoes. Coachella, Cathedral City, and Indio each have 8 permanent trap sites set weekly. North Coachella and Palm Springs have 5 or 6 traps sites set weekly at rotating locations. Ovicups are placed throughout the Coachella Valley region with higher cup density in areas with prior *Aedes* activity. These ovicups collect eggs and are examined weekly. To date this year, no eggs have been detected. In 2016, eggs were most abundant in November.



Left: BG Sentinel trap. Right: Autocidal Gravid Trap (AGO).

New Autocidal Gravid Traps (AGO) are being used to provide an additional detection method for *Ae. aegypti*. AGO traps target the egg-laying adults and have been shown to be sensitive in areas where populations are low. AGO traps use an attractive bait made of week-old hay infusion to draw in gravid female mosquitoes. The mosquitoes are collected using a sticky trap and the trap and bait are changed weekly. This trap does not require a power source and can be used in the field for longer periods of time. So far 10 have been completed and have been deployed in Indio. They have been successful in capturing *Ae. aegypti* for the past few weeks.

As of March 3, there have been 6 sites and 45 adult mosquitoes captured in Indio using BG-Sentinel and AGO traps. In Palm Springs, 1 adult was captured in February from one location. Cathedral City and North Coachella each had one positive for larvae from inspections and no adults captured from the traps. So far, we have not detected *Ae. aegypti* larvae or adults in Coachella (where the aerial larvicide was conducted). The last record of an *Ae. aegypti* in that location was November 23, 2016.

PRODUCT EFFICACY

AERIAL LARVICIDE APPLICATIONS. District staff evaluated an aerial application of VectoBac WDG (active ingredient: *Bacillus thuringiensis israelensis* (Bti)) for the control of *Aedes aegypti* mosquitoes in Indio. The aerial application was done on February 11th and covered an area of approximately 540 acres. To confirm that the product would deposit in intended sites, plastic cups were placed at 20 houses within the spray area. Cups placed within the treatment area did collect product during the spray as confirmed by lab larval bioassays. Aerial larvicide applications expected to continue every week through March will also examine if the product will drift in cups placed inside catch basins.



NATULAR DT MOSQUITO LARVICIDE TABLETS FOR CONTAINER BREEDING MOSQUITOES. A study is being done to examine Natular DT (active ingredient: spinosad) mosquito larvicide tablets in the District’s microcosm ponds. This is a new homeowner product produced by Clarke to control container breeding mosquitoes.



The tablets have two layers which provide a dual-release action. The first layer dissolves quickly to provide a high level of spinosad, while the second layer dissolves slowly over time, providing up to 60 days of control. The product could potentially be used by a homeowner to control *Aedes aegypti* larval mosquitoes in the yard.

Type of Coverage	Percent Larval Mortality at 48 Hours
February 11, 2017	
0%	95%
25%	95%
50%	93%
100%	76%



AERIAL LARVICIDE PRODUCT CAPTURE AT DUCK CLUBS. Two techniques were compared for capturing the amount of product being applied from an aerial application. The amount of product applied to duck club ponds was captured and compared to the application rate. On December 15, 2016, an aerial application of Altosid Pellets was applied at 10 lbs./acre to three ponds at Sunrise duck club. Ten plastic boxes with lids modified with a 1 ft² opening to capture product were floated in the ponds. To examine which technique would capture the product better, five boxes with cotton and five boxes with a thin layer of petroleum jelly were placed in the ponds before the application. After the application, the pellets in the boxes were collected and weighed. The cotton and petroleum jelly kept the pellets from bouncing out of the boxes. Both techniques captured about the same amount of pellets. On February 2, 2017, an aerial application of MetaLarv S-PT was applied at 9 lbs./acre to one pond at Model A duck club. The application rate was examined using boxes with only cotton. The boxes were floated

perpendicular to the flight path to capture a swath of the application. Both applications showed that there were slightly more pellets delivered. This technique can help determine the amount of product that is actually being delivered from an aerial application.

NUVAN PROSTRIPS+ EFFICACY. Nuvan Prostrips+ is a solid formulation with an active ingredient of Dichlorvos (organophosphate) that uses controlled release technology to slowly diffuse a deep penetrating vapor in enclosed spaces. The clean odorless vapor is evenly distributed throughout an enclosed treatment area, killing

visible and hidden insects on contact. We tested the efficacy in 3 urban catch basins where water accumulates and mosquitoes may breed. The product was placed into a plastic hanger and suspended about 10 inches above the water surface. Between September 1, 2016 and January 27, 2017, an average of only 5 adult mosquitoes per basin were trapped in comparison to an average of 25 mosquitoes trapped in untreated control basins.

BIOLOGICAL CONTROL

MOSQUITOFISH (*Gambusia affinis*)

As of February 24, 2017, the District produced 19,000 mosquitofish which is approximately what was produced in the first two months of 2016. About 300 fish were stocked in neglected swimming pools, private ponds, detention basins, and animal water troughs.

ENVIRONMENTAL COMPLIANCE

NPDES. The District submitted its Annual Report for 2016 to the State Water Resources Control Board and Colorado River Regional Water Quality Control Board on February 28 for compliance with the Clean Water Act's National Pollutant Discharge Elimination System Permit. The District also submitted its Annual Report to the Environmental Protection Agency for activities conducted on tribal property on February 15.

CALIFORNIA ENVIRONMENTAL QUALITY ACT. The District filed its Annual Report for 2016 in-house on February 1 as required by its Mitigated Negative Declaration for its Integrated Vector Management (IVM) Program. Overall, the District complied with the Mitigation Monitoring and Reporting Program, designed to ensure that the IVM Program does not have a significant impact on the environment.

PESTICIDE ENVIRONMENTAL STEWARDSHIP PROGRAM. The District filed its PESP report on its work completed being a steward of the environment while responsibly using pesticides on January 30.

CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION. The District received approval for a Special Local Needs permit for the use of bleach as an ovicide (product to kill eggs) of *Aedes* mosquitoes on January 31. The permit is valid through January 31, 2022.

Operations

1/1/2017 to 1/31/2017 Report

(AE) surfactant - reduces surface tension of water making it difficult for mosquito larvae and pupae to attach and causes them to drown

BS (*Bacillus sphaericus*) - soil-dwelling bacterium, used as a biological pesticide that during sporulation produces crystals that have insecticidal action when ingested by mosquito larvae

BTI (*Bacillus thuringiensis israelensis*) - soil-dwelling bacterium, commonly used as a biological pesticide that during sporulation produces crystal proteins that have insecticidal action when ingested by mosquito larvae

Methoprene - used as a biological pesticide that mimics natural juvenile hormone of insects and acts as a growth regulator. Juvenile hormone must be absent from mosquito pupa to molt to an adult. Mosquito pupae treated with Methoprene will be unable to successfully mature from pupae to the adult mosquito

Spinosad - a naturally-occurring soil-dwelling bacterium, *Saccharopolyspora spinosa*



19 Agriculture

APPLICATIONS

Applications	FORMULATION: DRY	Acreage
4	Methoprene	2.00
8	Spinosad	2.33
Applications	FORMULATION: LIQUID	Acreage
2	Methoprene	1.25
5	Spinosad	3.14



18 Duck Club

APPLICATIONS

Applications	FORMULATION: DRY	Acreage
1	Methoprene	2.00
10	Spinosad	7.17
Applications	FORMULATION: LIQUID	Acreage
1	Methoprene	0.75
6	Spinosad	2.30



745 Invasive Aedes

APPLICATIONS

Applications	FORMULATION: DRY	Acreage
211	Bti	0.72
1	Spinosad	0.00
Applications	FORMULATION: LIQUID	Acreage
1	(AE) surfactant	0.00
211	Barrier	0.72
321	Fogging	71.20



630 Residential

APPLICATIONS

Applications	FORMULATION: DRY	Acreage
21	Bti	0.08
161	Methoprene	4.22
241	Spinosad	3.95
Applications	FORMULATION: LIQUID	Acreage
24	(AE) surfactant	0.38
6	Bti	0.05
44	Methoprene	0.81
133	Spinosad	1.65



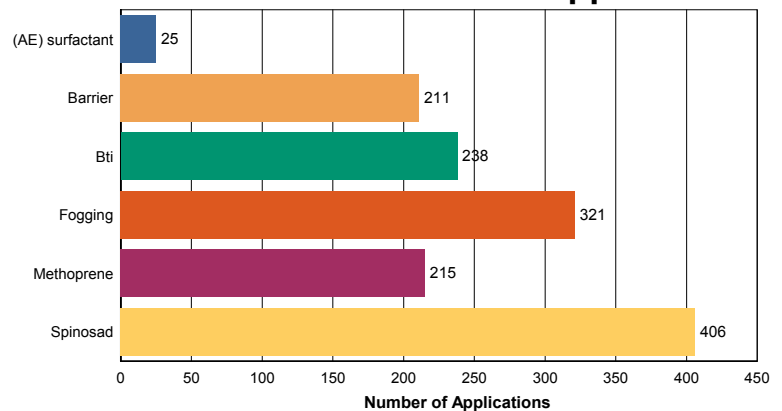
4 Salton Sea

Marshes

APPLICATIONS

Applications	FORMULATION: DRY	Acreage
1	Methoprene	0.00
2	Spinosad	0.25
Applications	FORMULATION: LIQUID	Acreage
1	Methoprene	0.00

Product Applications



Product Breakdown

		Total		
		Count	Acreage	Cost
FORMULATION: DRY	Total	661	22.72	\$4,213.95
	Bti	232	0.80	\$22.37
	Methoprene	167	8.22	\$2,536.13
	Spinosad	262	13.70	\$1,655.45
FORMULATION: LIQUID	Total	755	82.26	\$6,156.62
	(AE) surfactant	25	0.38	\$15.23
	Barrier	211	0.72	\$5,937.97
	Bti	6	0.05	\$0.41
	Fogging	321	71.20	\$69.62
	Methoprene	48	2.82	\$23.01
	Spinosad	144	7.09	\$110.39

Operations

2/1/2017 to 2/28/2017 Report

(AE) surfactant - reduces surface tension of water making it difficult for mosquito larvae and pupae to attach and causes them to drown

BS (*Bacillus sphaericus*) - soil-dwelling bacterium, used as a biological pesticide that during sporulation produce crystals that have insecticidal action when ingested by mosquito larvae

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Spinosad - a naturally-occurring soil-dwelling bacterium, *Saccharopolyspora spinosa*



41 Agriculture

APPLICATIONS

Applications	FORMULATION: DRY	Acreage
1	Bti	0.01
14	Methoprene	4.96
18	Spinosad	17.85
Applications	FORMULATION: LIQUID	Acreage
5	Methoprene	0.47
3	Spinosad	0.87



49 Duck Club

APPLICATIONS

Applications	FORMULATION: DRY	Acreage
2	Bti	2.00
15	Methoprene	39.26
20	Spinosad	13.85
Applications	FORMULATION: LIQUID	Acreage
1	(AE) surfactant	0.01
2	Methoprene	0.09
9	Spinosad	3.79



444 Invasive Aedes

APPLICATIONS

Applications	FORMULATION: DRY	Acreage
118	Bti	0.55
Applications	FORMULATION: LIQUID	Acreage
118	Barrier	0.55
208	Fogging	62.12



641 Residential

APPLICATIONS

Applications	FORMULATION: DRY	Acreage
1	Bs	0.00
3	Bti	0.01
106	Methoprene	1.82
239	Spinosad	8.14
Applications	FORMULATION: LIQUID	Acreage
38	(AE) surfactant	0.27
1	Fogging	0.22
136	Methoprene	2.37
117	Spinosad	0.60

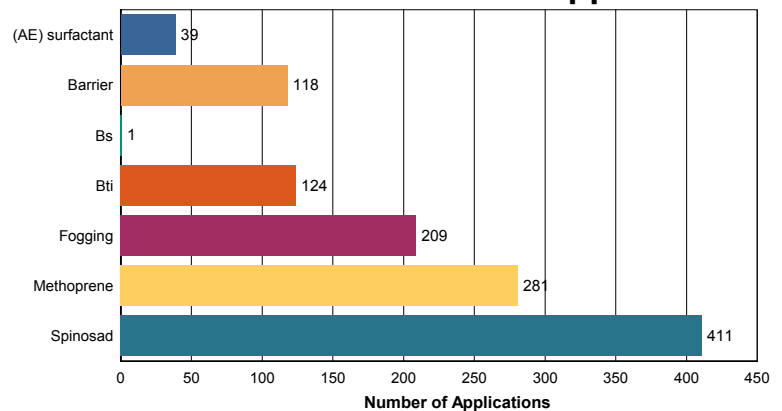


8 Salton Sea Marshes

APPLICATIONS

Applications	FORMULATION: DRY	Acreage
3	Methoprene	5.75
4	Spinosad	2.95
Applications	FORMULATION: LIQUID	Acreage
1	Spinosad	2.00

Product Applications



Product Breakdown

		Total		
		Count	Acreage	Cost
FORMULATION: DRY	Total	544	97.15	\$18,415.20
	Bs	1	0.00	\$1.87
	Bti	124	2.57	\$66.76
	Methoprene	138	51.79	\$13,956.10
	Spinosad	281	42.80	\$4,390.48
FORMULATION: LIQUID	Total	639	73.37	\$5,398.22
	(AE) surfactant	39	0.28	\$9.94
	Barrier	118	0.55	\$4,517.34
	Fogging	209	62.34	\$60.94
	Methoprene	143	2.93	\$20.91
	Spinosad	130	7.26	\$789.09

Operations

1/1/2017 to 1/31/2017

Report



45 Country Club

APPLICATIONS

404.88 ACRES TREATED

44 BROADCAST TREATMENTS
1 SPOT TREATMENTS

1 Golf Course

APPLICATIONS

118.00 ACRES TREATED

1 BROADCAST TREATMENTS



41 Homeowner

APPLICATIONS

9.90 ACRES TREATED

41 BROADCAST TREATMENTS

Red Imported Fire Ant



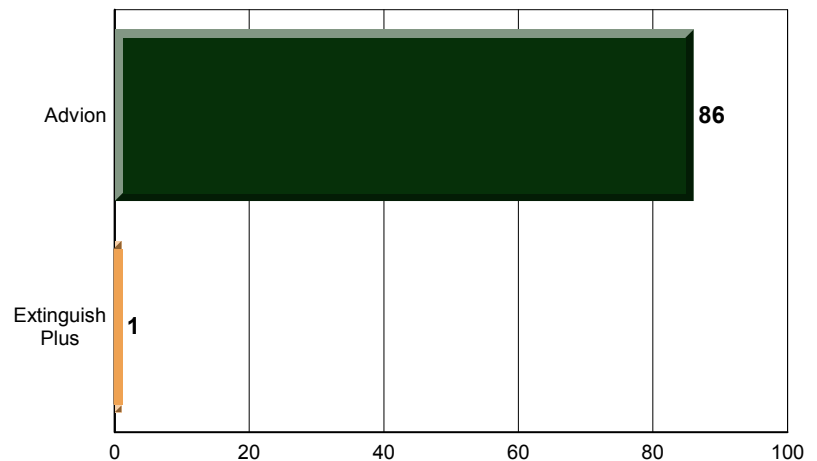
Scientific classification

Kingdom:	Animalia
Phylum:	Arthropoda
Class:	Insecta
Order:	Hymenoptera
Family:	Formicidae
Genus:	<i>Solenopsis</i>
Species:	<i>invicta</i>

Binomial name

Solenopsis invicta
(Buren, 1972)

Product Applications



Number of Applications

Product Breakdown

		Advion	Extinguish Plus
Total	Acres	414.78	118.00
	Amount (lbs.)	622.30	177.00
	Cost	\$5,886.93	\$1,139.88

ADVION® fire ant bait may be used to control imported fire ants, bigheaded ants* and pavement ants* in noncrop/nongrazed areas such as residential lawns, golf courses, recreational areas, industrial sites and other similar areas where imported fire ants, bigheaded ants and pavement ants are found. Rainfall or irrigation within 2 to 3 hours after application may reduce the effectiveness of ADVION® fire ant bait and a repeat application within 7 days may be necessary to achieve the desired level of control.

EXTINGUISH® PLUS is highly attractive to imported and native fire ants and other ants. Worker ants carry the bait into the mound as food for the colony. The ants will then begin feeding the bait to the rest of the colony. They eat it and feed it to the queen. EXTINGUISH® PLUS is a unique product containing a slow acting insecticide and an Insect Growth Regulator (IGR). This two-way action ensures complete control of fire ants. The IGR prevents rebound of the colony, while the insecticide insures rapid demise of the colony. EXTINGUISH® PLUS will start to kill ants after they feed on the bait. The colony will begin to decline in about a week, after the bait has been brought back to the mound. The mound is destroyed when the queen dies.

Operations

2/1/2017 to 2/28/2017

Report

Red Imported Fire Ant



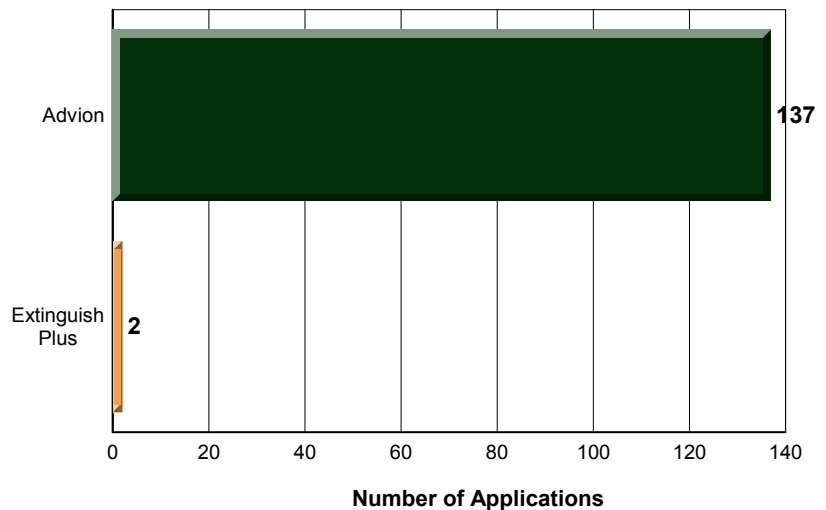
Scientific classification

Kingdom:	Animalia
Phylum:	Arthropoda
Class:	Insecta
Order:	Hymenoptera
Family:	Formicidae
Genus:	<i>Solenopsis</i>
Species:	<i>invicta</i>

Binomial name

Solenopsis invicta
(Buren, 1972)

Product Applications



Product Breakdown

		Advion	Extinguish Plus
Total	Acreage	598.62	240.74
	Amount (lbs.)	897.91	361.11
	Cost	\$8,494.18	\$2,325.55



74 Country Club

APPLICATIONS

551.06 ACRES TREATED
72 BROADCAST TREATMENTS
2 SPOT TREATMENTS



2 Golf Course

APPLICATIONS

240.74 ACRES TREATED
2 BROADCAST TREATMENTS



61 Homeowner

APPLICATIONS

24.26 ACRES TREATED
61 BROADCAST TREATMENTS



1 Park

APPLICATIONS

22.78 ACRES TREATED
1 BROADCAST TREATMENTS



1 School

APPLICATIONS

22,651.20 SQFT TREATED
1 BROADCAST TREATMENTS

ADVION® fire ant bait may be used to control imported fire ants, bigheaded ants* and pavement ants* in noncrop/nongrazed areas such as residential lawns, golf courses, recreational areas, industrial sites and other similar areas where imported fire ants, bigheaded ants and pavement ants are found. Rainfall or irrigation within 2 to 3 hours after application may reduce the effectiveness of ADVION® fire ant bait and a repeat application within 7 days may be necessary to achieve the desired level of control.

EXTINGUISH® PLUS is highly attractive to imported and native fire ants and other ants. Worker ants carry the bait into the mound as food for the colony. The ants will then begin feeding the bait to the rest of the colony. They eat it and feed it to the queen. EXTINGUISH® PLUS is a unique product containing a slow acting insecticide and an Insect Growth Regulator (IGR). This two-way action ensures complete control of fire ants. The IGR prevents rebound of the colony, while the insecticide insures rapid demise of the colony. EXTINGUISH® PLUS will start to kill ants after they feed on the bait. The colony will begin to decline in about a week, after the bait has been brought back to the mound. The mound is destroyed when the queen dies.

Operations

Service Request

1/1/2017 to 1/31/2017 Report

Service Request Types

	TOTAL	STANDING WATER	NEGLECTED POOL	FLY/EYE GNATS	MOSQUITO	RODENTS	BEEES	RIFA
TOTAL	59	1	6	3	3	1	3	42
CATHEDRAL CITY	1	0	0	1	0	0	0	0
DESERT HOT SPRINGS	3	0	1	1	0	0	0	1
INDIAN WELLS	2	0	0	0	0	0	0	2
INDIO	16	0	0	0	0	1	0	15
LA QUINTA	11	1	0	0	0	0	2	8
PALM DESERT	14	0	1	0	1	0	1	11
PALM SPRINGS	6	0	4	0	1	0	0	1
RANCHO MIRAGE	3	0	0	0	0	0	0	3
THERMAL	2	0	0	1	0	0	0	1
THOUSAND PALMS	1	0	0	0	1	0	0	0

Service Request by City



Operations

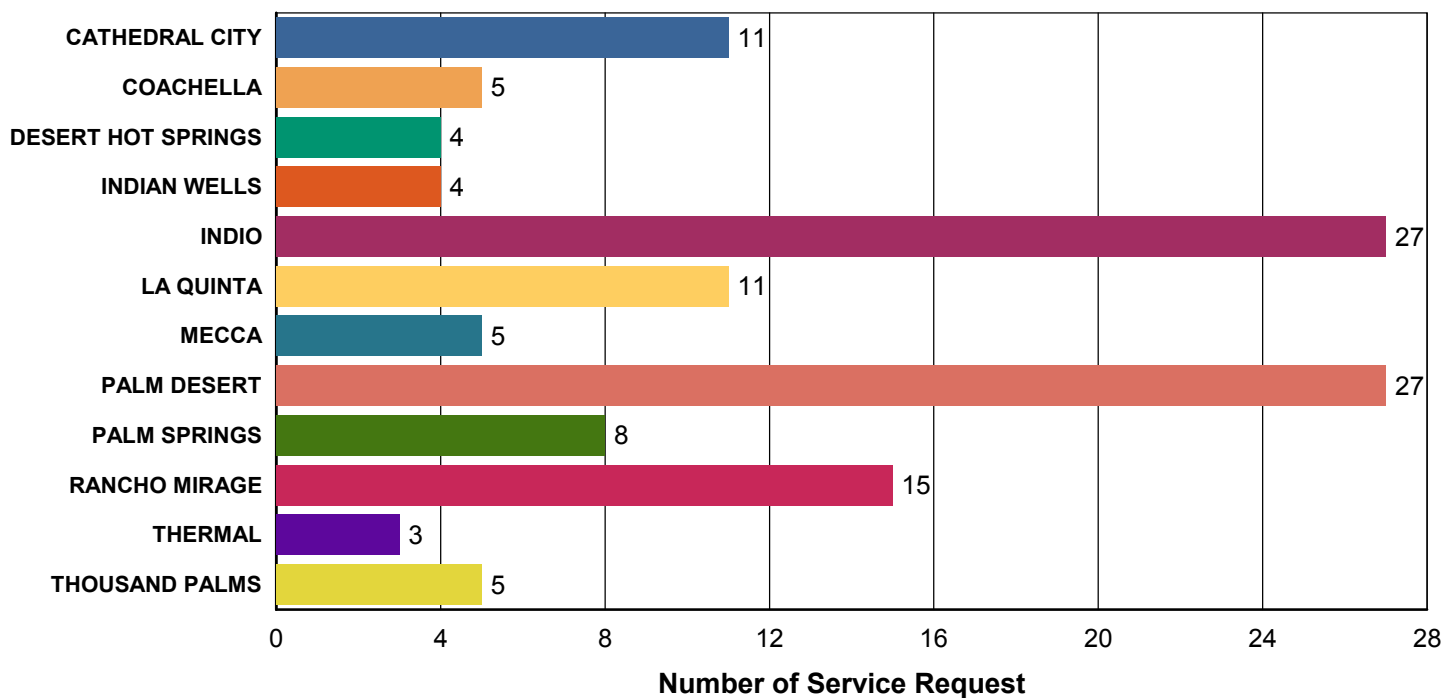
Service Request

2/1/2017 to 2/28/2017 Report

Service Request Types

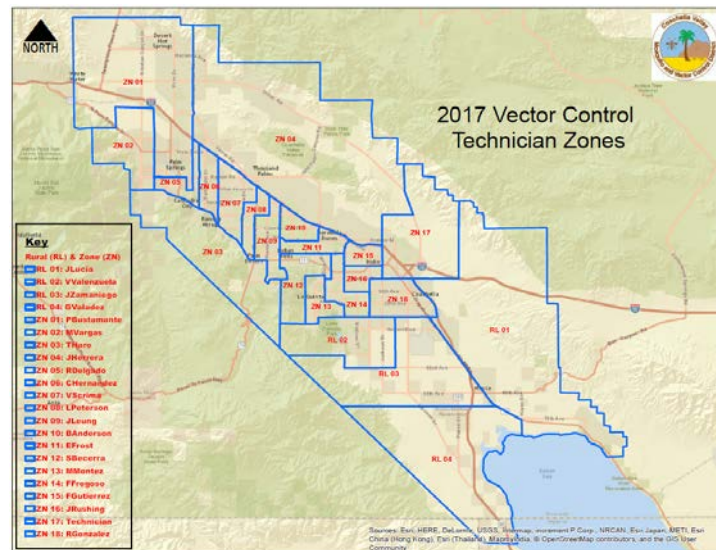
	TOTAL	STANDING WATER	NEGLECTED POOL	FLY/EYE GNATS	MOSQUITO	RODENTS	BEEES	RIFA
TOTAL	125	6	13	3	13	3	9	78
CATHEDRAL CITY	11	0	1	0	1	0	3	6
COACHELLA	5	0	0	0	0	0	3	2
DESERT HOT SPRINGS	4	0	2	0	1	0	0	1
INDIAN WELLS	4	0	1	0	0	0	1	2
INDIO	27	6	2	0	1	0	1	17
LA QUINTA	11	0	4	1	1	1	0	4
MECCA	5	0	0	0	5	0	0	0
PALM DESERT	27	0	1	0	2	2	0	22
PALM SPRINGS	8	0	2	0	0	0	1	5
RANCHO MIRAGE	15	0	0	0	0	0	0	15
THERMAL	3	0	0	2	1	0	0	0
THOUSAND PALMS	5	0	0	0	1	0	0	4

Service Request by City



INFORMATION TECHNOLOGY

Assisting the Operations Department, IT/GIS Department digitized new technician zones based on Interim Operations Manager recommendations. There are now 18 Technician Zones covering Coachella Valley. The new technician zones have been loaded into the District's GIS Mobile Inspection Application to route service requests and assist in zone management.



FLEET SERVICES

The District's Fleet Services received seven (7) vehicles, from September 13th approved agenda item utilizing the State of California Contract #1-16-23-20D. Six (6) Standard Cab Trucks were assisted to Operations and one (1) Double Cab Truck for the Laboratory. They will be equipped with a Diamond Back 270 Tri-Fold Bed Cover and all seven (7) trucks were full-size four-wheel drive vehicles.



Preparing for next year's budget, the Fleet Services inspected a Cushman Hauler 1200 from Golf Cars of the Desert. The Cushman Hauler is replacing the EZ-GO Workhorse line of Gas Powered Utility Vehicles. Golf Cars of the Desert dropped off a Cushman Hauler for the District's Shop Mechanics to inspection and road test.

FACILITIES

SOLAR PANELS – The following charts show the total yield from the solar panels during January and February, and a comparison between the power output per hour for January 31, 2017 and February 28, 2017.

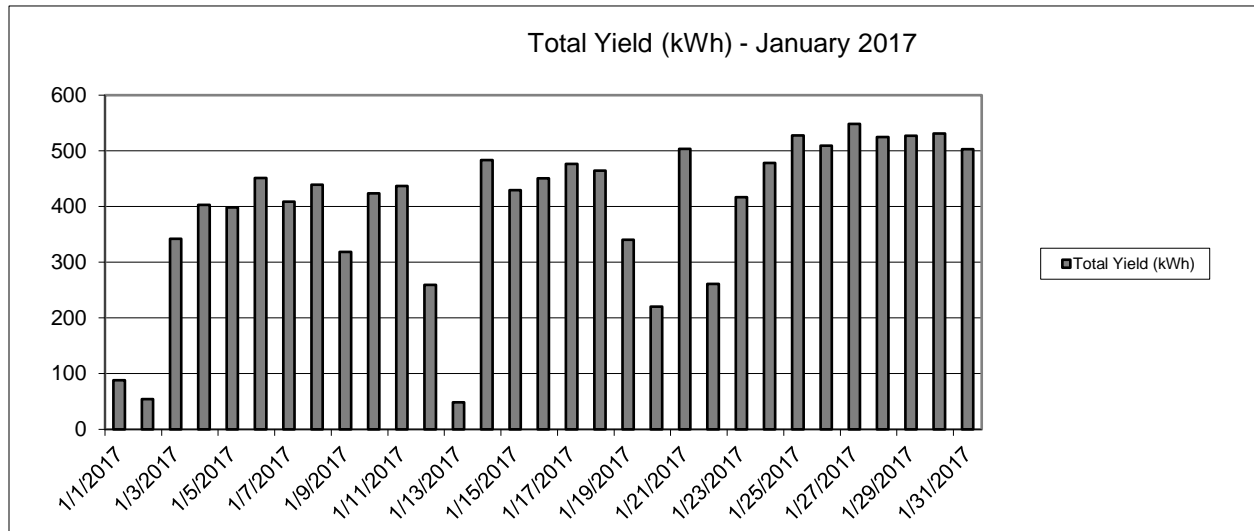


Figure 1 January 2017 Daily Solar Yield

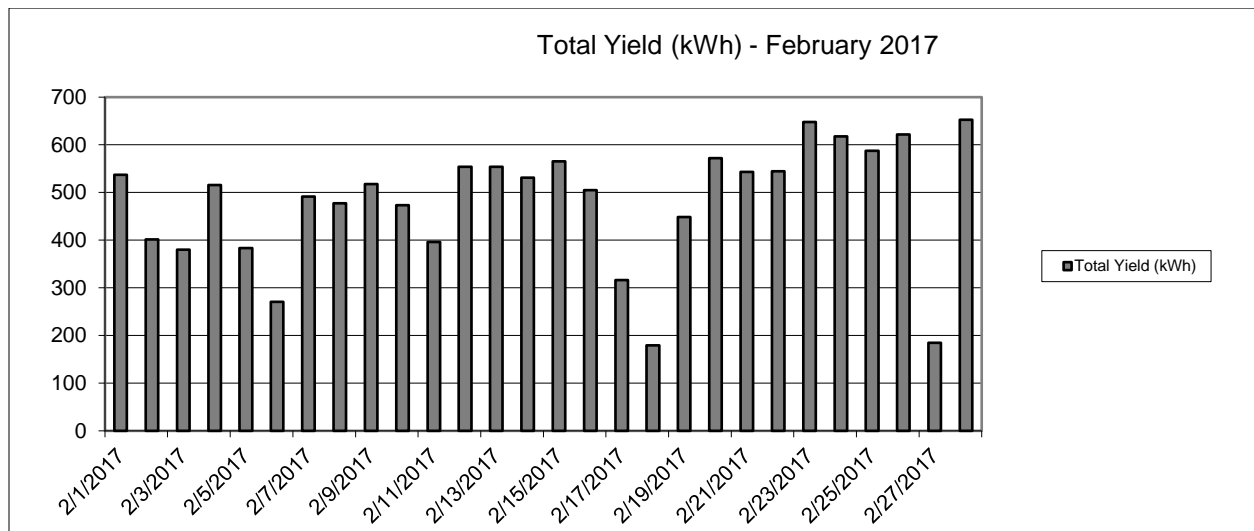


Figure 2 February 2017 Daily Solar Yield

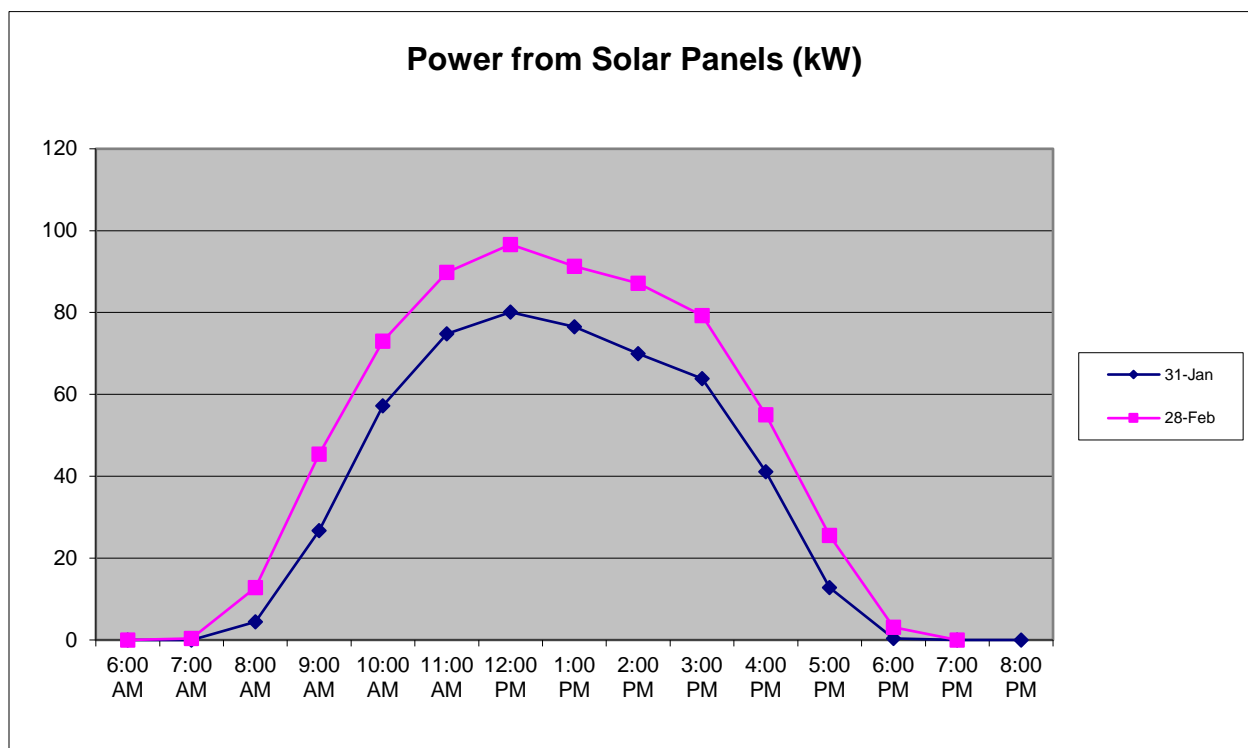
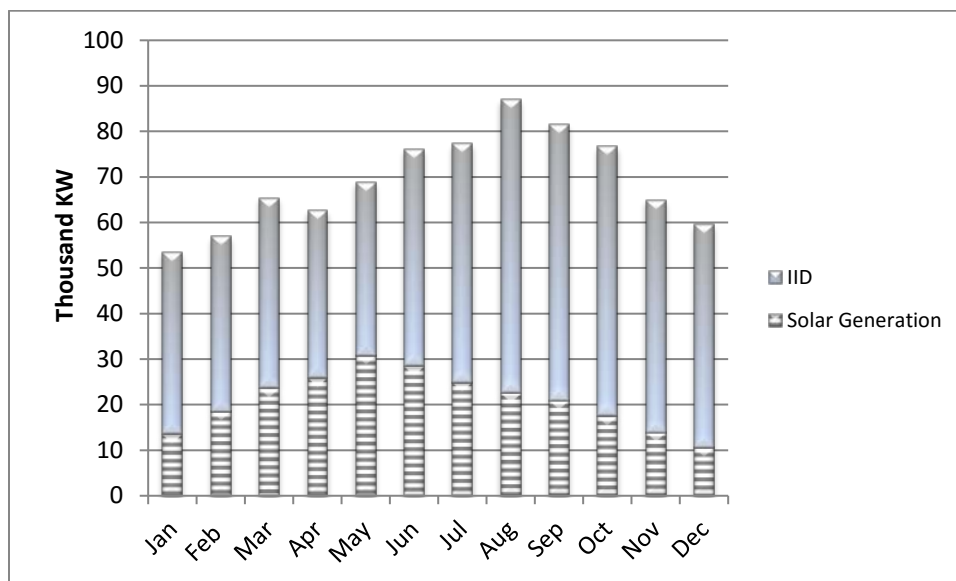


Figure 3 Hourly Solar Yield for January 31, 2017 and February 28, 2017

Energy Consumption



For 2016, 33% of the Districts energy consumption percentage is provided by solar the rest is provided by IID.



Coachella Valley Mosquito and Vector Control District

March 14, 2017

Staff Report

Agenda Item: Items of General Consent

Approval to renew annual maintenance contract with ESRI in an amount not to exceed \$19,000.00, from Fund #7675.01.210, Computer and Network Systems Maintenance Contracts – **Edward Prendez, Information Systems Manager**

Background:

The maintenance contract includes:

Product	Maintenance	Start Date	End Date	Term	Price
ArcGIS Desktop Advanced Concurrent Use	Primary Maintenance	4/22/2015	04/21/2016	12 Months	\$3,000
ArcGIS Desktop Standard Concurrent Use	Primary Maintenance	4/22/2015	04/21/2016	12 Months	\$1,500
ArcGIS Desktop Standard Concurrent Use	Secondary Maintenance	4/22/2015	04/21/2016	12 Months	\$1,200
ArcGIS Desktop Basic Concurrent	Primary Maintenance	4/22/2015	04/21/2016	12 Months	\$700
ArcGIS Desktop Basic Concurrent	Secondary Maintenance	4/22/2015	04/21/2016	12 Months	\$1,000
ArcGIS Server Advanced Enterprise	Up to Four Cores Maintenance	4/22/2015	04/21/2016	12 Months	\$10,000
Sub Total					\$17,400.00
Estimated Sales Tax					\$784.00
Total					\$18,184.00

The contract period runs from April to April, the financial calendar is July to June. This item will **be a prepaid expenditure** and is budgeted. For FY 2016-2017 the expense will be \$4,546.00 from budget line # 7675.01.210 – Computer and Network Systems Maintenance Contracts.

Staff Recommendation:

Approve purchase of annual maintenance contract from ESRI at a cost not to exceed \$19,000.00.

Fiscal Impact:

FY2016-17 <i>Amended Budget</i> 7675.01.210	Current Available Funds	Proposed Expense From Current FY	Remaining Available Funds
\$51,460.00	\$23,026.14	\$4,546.00	\$18,480.14



Coachella Valley Mosquito and Vector Control District

Staff Report

March 14, 2017

Agenda Item: Items of General Consent

Approval to contract with Aerial Services for aerial reconnaissance services of the Coachella Valley's urban areas for neglected water features, in the amount not to exceed \$18,500.00, from Fund #7575.01.210, Aerial Surveillance – **Edward Prendez, Information Technology Manager**

Background:

Neglected water features can become breeding sources for mosquitoes that can potentially transmit West Nile Virus, a serious, life-altering, and even fatal disease. The District is taking a proactive approach to this problem by contracting with aerial service providers, who utilize digital photography and global positioning system (GPS) coordinates, to identify and mark neglected water features in the Coachella Valley.

Aerial Services has provided the District with simple to use datasets in a variety of formats which allow District Staff to quickly identify unknown breeding sources. The dataset created by Aerial Services are delivered on time and are accessible over the Internet via their File Transfer Protocol (FTP) Server. The FTP Server provides the IT/GIS Department with easy-to-use method of transferring the large number of files to begin reviewing and distributing to the Operations Department.

Staff Recommendation:

Staff recommends entering into a professional service agreement for aerial reconnaissance services of the Coachella Valley's urban areas for neglected water features, in the amount not to exceed \$18,500.00.

Fiscal Impact:

FY2016-17 Amended Budget 7575.01.210	Current Available Funds	Proposed Expense	Remaining Available Funds
\$25,000.00	\$25,000.00	\$18,500.00	\$6,500.00



Coachella Valley Mosquito and Vector Control District

Staff Report

March 14, 2017

Agenda Item: Items of General Consent

Approval of Resolution 2017-04 designating the week of April 16-22, 2017, as Mosquito Awareness Week and funding for the Spring Advertising campaign in an amount not to exceed \$36,000.00, from Existing Budget Funds – **Jill Oviatt, MCDM, Public Information Manager**

Background:

The District has been responding to the threat posed by West Nile virus (WNV) since 2003 when it was detected in Imperial County, and later years spread through California. In addition, Saint Louis encephalitis virus returned to the Valley in 2015 and has been steadily detected in Valley mosquitoes since then. In May 2016, the Valley was confronted by a new threat with the detection of the invasive mosquito species, the *Aedes aegypti*, which has the potential to transmit serious viruses such as chikungunya, dengue, and Zika. Passing of this resolution helps to inform and educate the public as to the current health threat of existing and emerging diseases transmitted by mosquitoes, what they can do to prevent mosquito habitats, and assures the public of the District's dedication to our mission and role in creating environmentally sound vector control.

Starting just before Mosquito Awareness Week radio spots, TV spots, print ads (English and Spanish), movie theater ads, and digital ads will be shown and published and continue through the end of June. During the week, District staff will participate in events, fairs, give presentations and informational brochures will be distributed to all our City and County partners throughout the Valley.

Main Event – On April 15, we plan to host the 2nd annual "Fight the Bite" 5K in Palm Desert, featuring a Community Resource Fair in the Civic Center Park. The District booth will feature a backyard sources display where people can learn firsthand how to identify and eliminate standing water sources. We will also distribute awareness materials and promotional items, alongside partner agency booths.

Staff Recommendation:

Staff recommends the acceptance and adoption of Resolution 2017-04 and approval for advertising budget in the amount not to exceed \$36,000. This includes the costs related to the development, creation, and publishing of print, radio, and TV advertisements.

Fiscal Impact:

FY2016-17 Budget 6220.01.215	Current Available Funds	Proposed Expense	Remaining Available Funds
\$40,000.00	\$38,641.00	\$36,000.00	\$2,641.00

RESOLUTION NO. 2017-04

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT DECLARING APRIL 16-22, 2017, MOSQUITO AWARENESS WEEK

WHEREAS, the Coachella Valley Mosquito and Vector Control District ("District") was established in 1928 as an independent special district by the Riverside County Board of Supervisors; and

WHEREAS, the mission of the District is to reduce the risk of disease transmission by mosquitoes and other vectors for the protection of residents and visitors of the Coachella Valley; and

WHEREAS, the District recognizes that West Nile virus is a mosquito-borne disease that can result in debilitating cases of meningitis and encephalitis and death to humans, horses, avian species, and other wildlife, and that a safe and environmentally sound procedure needs to be used in the control of mosquitoes; and

WHEREAS, the State Department of Public Health and the Centers for Disease Control and Prevention predict West Nile virus will, as it has previously, again pose a grave public health threat in California in 2016; and

WHEREAS, adequately funded mosquito and vector control, disease surveillance and public awareness programs are the best way to prevent outbreaks of West Nile virus and other diseases borne by mosquitoes and other vectors; and

WHEREAS, educational programs have been developed among schools, civic groups, private industry, and government agencies in order to help the public understand how to protect themselves from West Nile virus by staying indoors when mosquitoes are most active at dawn and dusk, wearing pants and long-sleeved shirts, using repellents containing DEET, eliminating standing water that can support mosquito breeding, and alerting the local vector control district residents about the presence of significant mosquito infestations; and

WHEREAS, "Mosquito Awareness Week" will increase the public's awareness which can result in reduced production of mosquitoes and other vectors on private, commercial, and public lands by responsible parties, reduction of the bites of mosquitoes and other vectors when the risk of West Nile virus and other disease transmission is high, detection of human cases of mosquito and vector-borne diseases that may otherwise be misdiagnosed due to insufficient knowledge of the transmission of West Nile virus and lack of appropriate laboratory testing, and the formation of mosquito or vector control agencies where needed; and

WHEREAS, the California State Legislature and the Mosquito and Vector Control Association of California have designated the week of April 16 through April 22, 2017, as "Mosquito Awareness Week" in the State of California.

NOW, THEREFORE, be it resolved by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District that:

Section 1. Recitals.

The Recitals set forth above are true and correct.

Section 2. Declaration of Mosquito Awareness Week.

The Week of April 16-22, 2017, be declared as Mosquito Awareness Week.

Section 3. Severability.

Should any provision, section, paragraph, sentence or word of this Resolution be rendered or declared invalid by any final court action in a court of competent jurisdiction or by reason of any preemptive legislation, the remaining provisions, sections, paragraphs, sentences or words of this Resolution as hereby adopted shall remain in full force and effect.

Section 4. Repeal of Conflicting Provisions.

All the provisions heretofore adopted by the District or the Board of Trustees that are in conflict with the provisions of this Resolution are hereby repealed.

Section 5. Effective Date.

This Resolution shall take effect upon its adoption.

Section 6. Certification.

The Clerk of the Board shall certify as to the adoption of this Resolution and shall cause the same to be processed in the manner required by law.

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PASSED, ADOPTED AND APPROVED, this 14th day of March, 2017.

**Doug Walker, President
Board of Trustees**

ATTEST:

Crystal G. Moreno, Clerk of the Board

APPROVED AS TO FORM:

M. Katherine Jenson, General Counsel

REVIEWED:

Jeremy Wittie, MS, General Manager



Coachella Valley Mosquito and Vector Control District

Staff Report

March 14, 2017

Agenda Item: Items of General Consent

Approval for State Department Employee, David Jones, to attend the MVCAC Annual Conference, March 26-28, 2017, in San Diego, CA, in an amount not to exceed \$1,200.00 – **Jeremy Wittie, MS, General Manager (Pg.)**

Background:

David Maurice Jones is a Foreign Service Officer with United States Department of State (DOS) in Washington DC. He contacted the District in February 2017 with an interest in conducting a practicum as part of his requirement for the DOS Foreign Service Institute. On completion of this practicum with the District he will be assigned to the DOS Bureau of Oceans and Environmental and Scientific Affairs and work in the Office of the International Health and Biodefense with regards to education, planning and prevention of non-communicable diseases and assistance with emerging international epidemics.

Mr. Jones will begin the practicum at the District on April 3 and complete on September 1, 2017. During the 5 month practicum Mr. Jones will continue to be a paid employee of the DOS. During his practicum with the District he will

1. Assist CVMVCD staff with evaluating each of the measures and components carried out to control *Aedes aegypti*, including public outreach materials and campaigns, door-to-door inspections, manual mosquito applications, truck mounted adult mosquito control, and aerial larvicide applications. This evaluation will include effectiveness, as well as cost.
2. Draft a proposal for the most cost effective approach to eliminating invasive *Aedes* using integrated vector management strategies.

Since Mr. Jones will be assisting the District at no cost, District management thought it appropriate to subsidize Mr. Jones attendance at the MVCAC Annual Meeting in San Diego March 26-28. His attendance will allow him to begin his practicum with a broad baseline of current work and knowledge related to mosquito control in California which will assist him during his practicum.

Staff Recommendation:

Approve funding for State Department Employee, David Jones, to attend the MVCAC Annual Conference, March 26-28, 2017 in San Diego, CA.

Fiscal Impact:

FY2016-17 Amended Budget 6110.01.200	Current Available Funds	Proposed Expense	Remaining Available Funds
\$6,800	\$4,814.59	\$1,200.00	\$3,614.59

Memorandum of Understanding
Between
U.S. Department of State and Coachella Valley Mosquito and Vector Control
District

This Memorandum of Understanding ("MOU") is entered into between the U. S. Department of State ("State Department") and Coachella Valley Mosquito and Vector Control District (CVMVCD), known collectively as "Participants," concerning a 5-month training detail of David Maurice Jones, State Department employee, FS-03, at CVMVCD, as specifically described below and pursuant to the authority set forth in 22 U.S.C. sections 3983 and 3985.

1. Scope of Work. David Maurice Jones is to be supervised by Jeremy Wittie, General Manager, in carrying out the following responsibilities as part of the practicum in his Foreign Service Institute ("FSI") PE450 course:

- Assist CVMVCD with evaluating each of the measures and components carried out to control *Aedes aegypti*, including public outreach materials and campaigns, door-to-door inspections, manual mosquito applications, truck-mounted adult mosquito control, and aerial larvicide applications. This evaluation will include effectiveness, as well as cost.
- Following the evaluation, draft a proposal for the most cost-effective approach to eliminating invasive *Aedes* using integrated vector management (IVM) strategies.
- Perform other training-related duties, as approved by the State Department's Course Coordinator for *Foreign Service Economic Studies* (PE 350).

2. Term of MOU. Subject to the availability of funds, this MOU is to be effective Monday, April 3, 2017 through Friday, September 1, 2017 and may be terminated, without cause, by either Participant with a five (5) day written notice, which is to be delivered by hand, electronic mail, or regular postage.

3. Location of Detail. David Maurice Jones' training detail will be at:

Address: Coachella Valley Mosquito and Vector Control District 43420 Trader Place Indio, CA 92201	HR Contact: Anita Jones Human Resources Manager Tel: 760-342-8287 E-mail: AJones@cvmvcd.org
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4. Payment and Benefits. David Maurice Jones is to remain on the State Department's personnel list and payroll for the duration of this training detail and for all purposes is to receive salary payments and benefits directly and exclusively from the State Department during this time. David Maurice Jones is to remain eligible for compensation under the Federal Employees' Compensation Act while on detail at CVMVCD, which is the exclusive remedy for any work-related injuries incurred by David Maurice Jones during or arising out of this detail. David Maurice Jones will work no more than 40 hours per week during this training detail, and the State Department does not authorize overtime or premium compensation. CVMVCD will be responsible for actual travel expenses related to any travel it directs David Maurice Jones to perform while detailed to CVMVCD under the terms of this MOU. It is understood by the Participants that any

payment by CVMVCD for the travel, subsistence, and related expenses of David Maurice Jones incurred during the detail, and at the direction of CVMVCD, does not constitute a gift, as defined by the federal ethics laws, rules, or regulations, to the State Department or to David Maurice Jones. Detailees are permitted to participate in work-related functions that include modest food or drink without contributing towards annual gift limits. David Maurice Jones will provide the State Department's Office of the Assistant Legal Adviser for Ethics and Financial Disclosure's prior written clearance if any of the travel, subsistence, and related expenses are undertaken under a U.S. Government Contract during his detail. David Maurice Jones will not be an employee of CVMVCD.

5. Attendance, Leave and Holidays. David Maurice Jones will continue to accrue annual and sick leave; all leave will be approved by the leave-authorizing officer at the Foreign Service Institute, in consultation with the CVMVCD point of contact designated for the period of the MOU. Attendance and leave records are to be maintained by the Foreign Service Institute. David Maurice Jones will follow the holiday schedule observed by the Department of State.

6. Report on Performance. CVMVCD is to provide a brief memorandum of performance to FSI evaluating David Maurice Jones' performance upon completion of the training detail. It is understood that this memorandum is to be added to David Maurice Jones' personnel file at the State Department in the form of a Training Evaluation Report.

7. Security Clearance. While David Maurice Jones remains an employee of the Department of State with a security clearance, he remains subject to the security reporting requirements outlined in 12 FAM 270 and 12 FAM 260. As necessary, David Maurice Jones must also complete the security paperwork (including SF-86) for 5 year periodic reinvestigations of his security clearance and cooperate in a timely fashion with requests from the Bureau of Diplomatic Security for interviews and any supporting documentation. If David Maurice Jones does not cooperate with the security processing, his eligibility for access to classified information may be terminated.

8. Outside Speaking Engagements, Interviews, and Written Articles. Both sides consider any of David Maurice Jones' outside speaking engagements, interviews, or written articles published in the course of the detail assignment to be conducted in David Maurice Jones' personal capacity. David Maurice Jones understands his responsibility, when communicating on matters of Departmental concern, as defined in 3 FAM 4170, to comply with the requirements of 3 FAM 4170 and other applicable Department policies and procedures, including by obtaining State Department Public Affairs review and indicating that views expressed are personal and do not necessarily reflect the views of the Department of State or the U.S. Government. David Maurice Jones may not receive compensation for outside speaking, teaching, or writing related to his official duties, as defined at 5 CFR 2635.807, including duties within the scope of work defined in this MOU.

9. Records. To the extent that David Maurice Jones generates federal or agency records, David Maurice Jones and David Maurice Jones' records will be subject to laws and regulations governing such records, including but not limited to the Freedom of Information Act (FOIA). Trade secrets and commercial or financial information obtained from a person that is privileged and confidential may be exempt from FOIA, as provided in 5 U.S.C. § 552(b)(4).

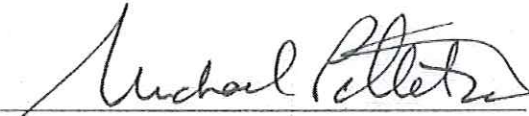
10. **Amendments.** Either Participant may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU are to be incorporated by written instrument, and effective when executed by all Participants to this MOU.

11. **Applicable Law.** The construction, interpretation, and enforcement of this MOU are to be governed by any applicable federal laws and statutes. As an employee of the Department of State, David Maurice Jones is subject to the Ethics in Government Act of 1978 and all other laws, rules, and regulations that are applicable to Department of State employees, including all applicable conflicts of interest statutes. Under applicable laws, he may not communicate with the Federal Government (including employees of the Federal Government) on behalf of CVMVCD, except as part of his official duties, as specifically contemplated by the scope of work defined in this MOU. *See* 18 USC §§ 203 and 205. David Maurice Jones may not engage in communications or other duties on behalf of CVMVCD, even as part of his official duties, that could result in the appearance of preferential treatment, official endorsement, misuse of public time or resources, or other misuse of public office for private gain. David Maurice Jones has contacted and will continue to contact as necessary an ethics attorney with the Department of State Office of the Assistant Legal Adviser for Ethics and Financial Disclosure (202-663-3770) regarding questions that he may have on possible conflicts of interest.

12. **Entirety of Agreement.** This MOU, consisting of 4 pages, represents the entire and integrated understanding between the Participants and supersedes all prior negotiations, representations and agreements, whether written or oral. The Participants agree that no rights or benefits are created as a result of this MOU and that this MOU is not a legally binding document. A copy of the signed MOU is to be provided to David Maurice Jones.

13. **Signatures.** In witness whereof, the Participants to this MOU through their duly authorized representatives have executed this MOU as set out below, and certify that they have read, understood, and intend to carry out the terms and conditions of this MOU as set forth herein.


U. S. DEPARTMENT OF STATE


Signature

3/1/17
Date

Michael Pelletier
Dean, School of Professional and Area Studies
Foreign Service Institute

Coachella Valley Mosquito and Vector District


Signature

3/6/17
Date

Jeremy Wittie
General Manager

I acknowledge receipt and reading of a copy of the Memorandum of Understanding between the State Department and CVMVCD.


Signature

David Maurice Jones

Proposal for Practicum at the Coachella Valley Mosquito and Vector Control District (CVMVCD) for David Jones

Background: In May 2016, the invasive mosquito species, *Aedes aegypti*, was detected in the City of Coachella. This species is capable of transmitting serious viruses, including chikungunya, dengue, and Zika. Currently, there is no local transmission of these viruses by mosquitoes in the Coachella Valley and the District wants to ensure this continues. The Vector Control District has carried out thousands of door-to-door inspections educating residents on how to remove mosquito habitats, carried out manual larval and mosquito control on site as needed, conducted truck and aerial applications, and valley-wide advertising and awareness campaigns. Since the initial detection, the invasive mosquito has been detected in three other cities in the Coachella Valley. Following the education and control measures carried out, the initial detection zone, very few *Aedes* have been found.

Proposed Practicum Goal:

The practicum participant will assist CVMVCD with evaluating each of the measures and components carried out to control *Aedes aegypti*, including public outreach materials and campaigns, door-to-door inspections, manual mosquito applications, truck-mounted adult mosquito control, and aerial larvicide applications. This evaluation will include effectiveness, as well as cost. Following the evaluation, the practicum participant will draft a proposal for the most cost-effective approach to eliminating invasive *Aedes* using integrated vector management (IVM) strategies.

Actions:

1. Participate in a general orientation of CVMVCD, including a briefing with the General Manager and each department manager, review the District's 2016 budget, strategic plan, annual report, best practices manual, and current specific virus response plans.
2. Complete a community diagnostic including economic indicators, language, and education, which may affect the efficacy of educational programming, disease prevention efforts, and behavior change with regard to mosquito habitat reduction and mosquito-borne disease prevention. This would include a demography and socioeconomic study to characterize the neighborhoods in which infestations have occurred.
3. Review each strategy that has been used in the *Aedes* response and carry out an evaluation for each of the strategies, including the following:
 - **Public Outreach:** Review materials produced for the campaign including fact sheets; notification postcards; website, TV, radio, and print advertising; media releases and coverage; school programs; and awareness events. Attend school programs and awareness events. Design and conduct survey to evaluate the impact of these materials and programs on comprehension of the problem and behavior change.
 - **Laboratory:** Observe and take notes on lab staff project to carry out door-to-door property inspections and public education as described below:
To better understand the infestation of Aedes aegypti in the Coachella Valley, a biologist will inspect properties where larvae have previously been detected. The biologist will conduct an inspection using the same forms (paper and Mobile) as a Vector Control Technician and provide residents with a focused education on how to

conduct physical control on their property. When new detections are made, the biologist will inspect the residence 1-2 weeks after the treatment. The biologist will schedule follow-up inspections on a quarterly basis. Inspections will gather the same information on the list of potential habitats in the resident's yards. The biologist will analyze the change (if any) of the number of potential habitats in yards where Aedes larvae were detected.

- **Operations Department:** Observe and take notes while accompanying vector control technicians as they carry out door-to-door property inspections and public education. Follow up with residents in same property 1-2 weeks after the treatment and review whether there has been a change in the number of habitats using the previous inspection and treatment form.
4. Gather data from both Operations on numbers of door-to-door inspections, numbers of manual treatment carried out, numbers of truck-mounted operations carried out, number of aerial applications conducted. Gather data from Lab on evaluations of each of these operations (mortality data of larvae and adult mosquitoes in sentinel cages).
 5. Review the human resource hours involved in each of the prevention and control strategies. Review the costs involved for each of the strategies including human resource hours, pesticides, equipment, advertising, etc.
 6. Review studies or reports on effective strategies to reduce or eliminate invasive *Aedes* in other Districts (e.g., other parts of California, Arizona, Florida)
 7. Research and review previous studies on effective strategies for public health behavior change.
 8. Analyze findings and draft and present recommendations to CVMVCD management for the most cost-effective approach to eliminating invasive *Aedes* using proven integrated vector management (IVM) strategies in an effort to prevent *Aedes*-transmitted viruses, such as Zika in the Coachella Valley.



Coachella Valley Mosquito and Vector Control District

Staff Report

March 14, 2017

Agenda Item: Items of General Consent

Discussion and/or approval for Human Resources Manager to attend the Government Finance Officers Association's (GFOA) Annual Conference, May 21-24, 2017, in Denver, Colorado, in an amount not to exceed \$1,500.00 from Fund #7600.01.02, Professional Development – **Anita Jones, Human Resources Manager**

Background:


GFOA's Annual Conference covers a broad range of topics, including pensions and benefits, health care costs, recruiting, succession planning, transparency, etc. This conference is budgeted for attendance by the Administrative Finance Manager and/or the General Manager; neither will be attending this year. Since the topics provide information that would be beneficial in regards to human resources, this request is to allow attendance by the Human Resources Manager in place of the Administrative Finance Manager.

Staff Recommendation:

- Staff recommends approval for the Human Resources Manager to attend the GFOA Annual Conference, May 21-24, 2017, in Denver, Colorado.

Fiscal Impact:

FY2016-17 <i>Amended Budget</i> 7600.02.200.02	Current Available Funds	Proposed Expense	Remaining Available Funds
\$12,800.00	\$7,497.40	\$1,500.00	\$5,997.40

	<p style="text-align: center;">Coachella Valley Mosquito and Vector Control District</p> <p style="text-align: center;">Staff Report</p>	<p style="text-align: center;">March 14, 2017</p>
<p>Agenda Item: Items of General Consent</p> <p>Approval of Resolution 2017-05 Subordination Request Relating to Proposed Refunding Bond Issue for Desert Communities Redevelopment Project Area of the Successor Agency to the Redevelopment Agency for the County of Riverside – David I’Anson, Administrative Finance Manager</p>		
<p>Background:</p> <p>The County of Riverside is proposing to refund bonds of their former redevelopment agency to provide debt service savings. The County is requesting the District’s approval to issue the bonds in fiscal year 2016-17 which will lower the debt service payments for the Successor Agency to the Redevelopment Agency for the County of Riverside (Agency).</p> <p>To disapprove the subordination request the District must find based on substantial evidence that the Agency will not be able to pay the debt service on the bonds and the Agency’s Statutory Pass Through Payments.</p> <p>The County states that the bonds will not be issued unless new debt service is lower than the debt service on the existing bonds. The attached tax increment project summary, with debt service coverage analysis shows that the Agency can expect to have sufficient funds to pay both debt service on the bonds and all of the Agency’s Statutory Pass Through Payments.</p>		
<p>Staff Recommendation:</p> <p>Approval of Resolution 2017-05 Subordination Request Relating to Proposed Refunding Bond Issue for Desert Communities Redevelopment Project Area of the Successor Agency to the Redevelopment Agency for the County of Riverside.</p>		
<p>Fiscal Impact: N/A</p>		
<p>Exhibits:</p> <ul style="list-style-type: none"> • Letter from Riverside County • Resolution 2017-05 		



COUNTY OF RIVERSIDE EXECUTIVE OFFICE

JAY E. ORR
COUNTY EXECUTIVE OFFICER

GEORGE A. JOHNSON
CHIEF ASSISTANT COUNTY EXECUTIVE OFFICER
ROB FIELD
ASSISTANT COUNTY EXECUTIVE OFFICER
ECONOMIC DEVELOPMENT AGENCY
MICHAEL T. STOCK
ASSISTANT COUNTY EXECUTIVE OFFICER
HUMAN RESOURCES
ZAREH SARAFIAN
ASSISTANT COUNTY EXECUTIVE OFFICER
HEALTH SYSTEMS
PAUL McDONNELL
ASSISTANT COUNTY EXECUTIVE OFFICER
COUNTY FINANCE DIRECTOR

February 17, 2017

Coachella Valley Mosquito and Vector Control District
43-420 Trader Place
Indio, CA 92201

Re: Subordination Request Relating to Proposed Refunding Bond Issue for Desert Communities Redevelopment Project Area of the Successor Agency to the Redevelopment Agency for the County of Riverside

To Whom It May Concern:

Assembly Bill No. 1484 enacted as Chapter 26, Statutes of 2012, allows successor agencies to refund the bonds of their former redevelopment agencies to provide debt service savings. I am writing to you on behalf of the Successor Agency to the Redevelopment Agency for the County of Riverside (the "Agency") pursuant to Section 33607.5(e) and Section 34177.5(c) of the California Health and Safety Code (the "Code"). As you are aware, the Agency may, with a taxing entity's approval, subordinate amounts (payable from tax increments of a redevelopment project area) that the Agency is required to pay such taxing entity pursuant to Section 33607.5 and Section 34183 of the Code (the "Statutory Pass-through Payments") to the debt service on bonds issued by the Agency for the same project area. At this time, the Agency is expecting to issue a series of refunding bonds (the "Bonds") to be secured by the Agency's tax increment revenues from the Agency's Desert Communities Redevelopment Project Area (the "Project Area"). The issuance of the Bonds will lower the total debt service payments made from tax increment revenues from the Project Area without increasing the term of the Bonds. By this letter, the Agency requests that the Coachella Valley Mosquito and Vector Control District (the "Taxing Entity") agree to the subordination of Statutory Pass-through Payments that the Agency is required to pay the Taxing Entity in connection with the Project Area to the Agency's payment obligations for the Bonds.

The Agency is planning to issue the Bonds in fiscal year 2016-17. Enclosed for your review, pursuant to Section 33607.5(c)(2) of the Code, is a tax increment revenue projection summary, which includes a debt service coverage analysis prepared by Urban Analytics LLC (the "Fiscal Consultant"). The Fiscal Consultant's report shows that the Agency can reasonably expect to have sufficient funds available to pay both debt service on the Bonds and all of the Agency's Statutory Pass-through Payments owed to the various affected taxing entities for the Project Area. The Bonds will not be issued unless new debt service is lower than the debt service on the bonds to be refunded with the proceeds from the Bonds.

For the benefit of the Agency's records, please complete the attached Acknowledgement and return it to me no later than March 1, 2017. The Agency also requests that the governing board of the Taxing Entity take official action, by resolution or motion, to formally approve the subordination of your Statutory Pass-through Payments to the Bonds.

Please note that, in accordance with Section 33607.5(e)(3) and Section 34177.5(c)(3) of the Code, if the Taxing Entity does not respond to the requested subordination within forty-five (45) days of this letter, the subordination will be automatically deemed approved by the Taxing Entity and such approval shall be final and conclusive. Furthermore, to disapprove this subordination, the Taxing Entity must find, based on substantial evidence, that the Agency will not be able to pay the debt service on the Bonds and the Statutory Pass-through Payments that it is required to pay the Taxing Entity.

Thank you in advance for your cooperation in this matter. If you have any questions regarding this matter, please do not hesitate to contact me at (951) 955-1110.

Sincerely,

A handwritten signature in cursive script, appearing to read "Roxine Davila".

Successor Agency to the
Redevelopment Agency for the
County of Riverside

ACKNOWLEDGEMENT

(Successor Agency to the Redevelopment Agency for the County of Riverside Desert Communities Redevelopment Project Area)

In response to the request by Successor Agency to the Redevelopment Agency for the County of Riverside (the "Agency") set forth in a letter dated January 23, 2017 (the "Subordination Request"), to approve the Taxing Entity's subordination of Statutory Pass-through Payments, the Coachella Valley Mosquito and Vector Control District (the "Taxing Entity") hereby confirms its approval of the subordination of the Agency's obligation to pay Statutory Pass-through Payments to the Taxing Entity in connection with the Desert Communities Redevelopment Project Area to the Agency's payment obligations for the Bonds.

The governing board of the Taxing Entity has taken formal action on _____ 2017, to acknowledge and approve this subordination. A copy of the related [resolution | minute order] is enclosed.

All capitalized terms used but not defined in this Acknowledgement have the meanings ascribed to them in the Subordination Request.

IN WITNESS WHEREOF, the undersigned has caused this Acknowledgement to be signed by its authorized representative on this ___ day of _____, 2017.

**COACHELLA VALLEY MOSQUITO AND
VECTOR CONTROL DISTRICT**

By: _____

Name: _____

Title: _____

Desert Communities Project Area
Projected Subordinated Passthrough Coverage

Fiscal Year	Gross Tax Increment	Senior Pass-Through Payments	Other Senior Obligations *	Debt Service	Net Tax Increment	Subordinated Pass-through Payments	Passthrough Coverage
2016/17	\$ 26,023,077	\$ 6,603,992	\$ 390,346	\$ 12,560,877	\$ 6,467,863	\$ 497,423	13.00
2017/18	26,567,183	6,739,714	398,508	12,550,239	6,878,722	519,318	13.25
2018/19	27,122,170	6,878,152	406,833	12,533,708	7,303,478	541,652	13.48
2019/20	27,688,257	7,019,358	415,324	12,525,311	7,728,265	564,543	13.69
2020/21	28,265,666	7,163,388	423,985	12,518,704	8,159,590	587,892	13.88
2021/22	28,854,623	7,310,298	432,819	12,503,495	8,608,010	611,708	14.07
2022/23	29,455,360	7,460,147	441,830	12,496,642	9,056,740	637,905	14.20
2023/24	30,068,111	7,612,993	451,022	12,485,417	9,518,679	669,767	14.21
2024/25	30,693,117	7,768,896	460,397	12,468,511	9,995,313	702,266	14.23
2025/26	31,330,623	7,927,917	469,959	12,461,575	10,471,171	735,415	14.24
2026/27	31,980,879	8,090,118	479,713	12,452,940	10,958,107	769,227	14.25
2027/28	32,644,140	8,255,564	489,662	12,415,809	11,483,106	803,716	14.29
2028/29	33,320,667	8,424,318	499,810	12,405,350	11,991,189	838,894	14.29
2029/30	34,010,724	8,596,447	510,161	12,402,587	12,501,529	880,094	14.20
2030/31	34,714,582	8,772,019	520,719	12,392,551	13,029,294	922,118	14.13
2031/32	35,432,518	8,951,102	531,488	12,381,234	13,568,694	964,983	14.06
2032/33	36,164,812	9,133,767	542,472	12,373,188	14,115,384	1,008,705	13.99
2033/34	36,911,752	9,320,086	553,676	12,399,981	14,638,009	1,053,301	13.90
2034/35	37,673,631	9,510,130	565,104	12,400,550	15,197,846	1,098,790	13.83
2035/36	38,450,747	9,703,976	576,761	12,387,853	15,782,157	1,145,188	13.78
2036/37	39,243,406	9,901,698	588,651	12,386,942	16,366,114	1,192,514	13.72
2037/38	40,051,918	10,103,375	600,779	1,730,326	27,617,438	1,246,867	22.15
2038/39	40,876,600	10,309,086	613,149	1,678,945	28,275,421	1,302,307	21.71
2039/40	41,717,776	10,518,910	625,767	1,548,889	29,024,210	1,358,967	21.36
2040/41	42,575,775	10,732,932	638,637	1,127,926	30,076,280	1,416,787	21.23
2041/42	43,450,934	10,951,233	651,764	1,125,172	30,722,765	1,475,884	20.82
2042/43	44,343,597	11,173,901	665,154	-	32,504,542	1,536,162	21.16
2043/44	45,254,113	11,401,022	678,812	-	33,174,279	1,597,646	20.76
2044/45	46,182,839	11,632,685	692,743	-	33,857,411	1,660,359	20.39
2045/46	-	-	-	-	-	-	-

Tax Increment revenue is projected at a 2% annual growth rate. Per H8SC 34189(a), plan limits and tax increment caps are disregarded for purposes of debt repayment.

Debt service Includes the project area's proportional share of housing debt service.

Other Senior Obligations Include county administrative fees and other obligations senior to debt service on Agency bonds.

Source: Urban Analytics

RESOLUTION NO. 2017-035

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE
COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT
SUBORDINATION REQUEST RELATING TO PROPOSED REFUNDING BOND ISSUE
FOR DESERT COMMUNITIES REDEVELOPMENT PROJECT AREA OF THE
SUCCESSOR AGENCY TO THE REDEVELOPMENT AGENCY FOR THE COUNTY OF
RIVERSIDE**

WHEREAS, the Coachella Valley Mosquito and Vector Control District ("District") is a political subdivision and a "local agency" of the State of California, created and operating under the authority and provisions of California Health and Safety Code Section 2000 *et seq.*; and

WHEREAS, the Board of Trustees ("Board") of said District has been granted the statutory authority and responsibility to administer the financial affairs of the District; and

WHEREAS, AB1484 allows successor agencies to refund the bonds of their former redevelopment agencies to provide debt service savings; and

WHEREAS, the Successor Agency to the Redevelopment Agency for the County of Riverside (Agency) is proposing to refund bond issue to lower the total debt service payments for the project area and is seeking the District's (taxing entity) approval pursuant to Section 33607.5(e) and Section 34177.5(c) of the California Health and Safety Code.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District that:

Section 1. Recitals.

The recitals set forth above are true and correct and incorporated herein.

Section 2. Approval of the Successor Agency to the Redevelopment Agency for the County of Riverside Subordination of Statutory Pass-through Payments

The Board hereby confirms its approval of the subordination of the Agency's obligation to pay Statutory Pass-through Payments to the District in connection with the Desert Communities Redevelopment Project Area to the Agency's payment obligations for the Bonds.

Section 3. Severability.

Should any provision, section, paragraph, sentence or word of this Resolution be rendered or declared invalid by any final court action in a court of competent jurisdiction or by reason of any preemptive legislation, the remaining provisions, sections, paragraphs, sentences or words of this Resolution as hereby adopted shall remain in full force and effect.

Section 4. Repeal of Conflicting Provisions.

That all the provisions heretofore adopted by the Board that are in conflict with the provisions of this Resolution are hereby repealed.

Section 5. Effective Date.

This Resolution shall take effect immediately upon its adoption.

Section 6. Certification.

The Clerk of the Board shall certify to the adoption of this Resolution and shall cause the same to be processed in the manner required by law.

[THE REMAINDER OF THIS PAGE LEFT INTENTIONALLY BLANK]

PASSED, ADOPTED AND APPROVED, this 14th day of March, 2017.

**Doug Walker, President
Board of Trustees**

ATTEST:


Crystal G. Moreno, Clerk of the Board

APPROVED AS TO FORM:

M. Katherine Jenson, General Counsel

REVIEWED:

Jeremy Wittie, MS, General Manager

	<p style="text-align: center;">Coachella Valley Mosquito and Vector Control District</p> <p style="text-align: center;">Staff Report</p>	<p style="text-align: center;">March 14, 2017</p>
<p>Agenda Item: Items of General Consent</p> <p>Approval of Resolution 2017-06 Subordination Request Relating to Proposed Refunding Bond Issue for Mid-County Project Area of the Successor Agency to the Redevelopment Agency for the County of Riverside – David I'Anson, Administrative Finance Manager</p>		
<p>Background:</p> <p>The County of Riverside is proposing to refund bonds of their former redevelopment agency to provide debt service savings. The County is requesting the District's approval to issue the bonds in fiscal year 2016-17 which will lower the debt service payments for the Successor Agency to the Redevelopment Agency for the County of Riverside (Agency).</p> <p>To disapprove the subordination request the District must find based on substantial evidence that the Agency will not be able to pay the debt service on the bonds and the Agency's Statutory Pass Through Payments.</p> <p>The County states that the bonds will not be issued unless new debt service is lower than the debt service on the existing bonds. The attached tax increment project summary, with debt service coverage analysis shows that the Agency can expect to have sufficient funds to pay both debt service on the bonds and all of the Agency's Statutory Pass Through Payments.</p>		
<p>Staff Recommendation:</p> <p>Approval of Resolution 2017-06 Subordination Request Relating to Proposed Refunding Bond Issue for Mid-County Project Area of the Successor Agency to the Redevelopment Agency for the County of Riverside.</p>		
<p>Fiscal Impact: N/A</p>		
<p>Exhibits:</p> <ul style="list-style-type: none"> • Letter from Riverside County • Resolution 2017-06 		



COUNTY OF RIVERSIDE EXECUTIVE OFFICE

JAY E. ORR
COUNTY EXECUTIVE OFFICER

GEORGE A. JOHNSON
CHIEF ASSISTANT COUNTY EXECUTIVE OFFICER

ROB FIELD
ASSISTANT COUNTY EXECUTIVE OFFICER
ECONOMIC DEVELOPMENT AGENCY

MICHAEL T. STOCK
ASSISTANT COUNTY EXECUTIVE OFFICER
HUMAN RESOURCES

ZAREH SARRAFIAN
ASSISTANT COUNTY EXECUTIVE OFFICER
HEALTH SYSTEMS

PAUL McDONNELL
ASSISTANT COUNTY EXECUTIVE OFFICER
COUNTY FINANCE DIRECTOR

February 17, 2017

Coachella Valley Mosquito and Vector Control District
43-420 Trader Place
Indio, CA 92201

Re: Subordination Request Relating to Proposed Refunding Bond Issue for Mid-County Redevelopment Project Area of the Successor Agency to the Redevelopment Agency for the County of Riverside

To Whom It May Concern:

Assembly Bill No. 1484 enacted as Chapter 26, Statutes of 2012, allows successor agencies to refund the bonds of their former redevelopment agencies to provide debt service savings. I am writing to you on behalf of the Successor Agency to the Redevelopment Agency for the County of Riverside (the "Agency") pursuant to Section 33607.5(e) and Section 34177.5(c) of the California Health and Safety Code (the "Code"). As you are aware, the Agency may, with a taxing entity's approval, subordinate amounts (payable from tax increments of a redevelopment project area) that the Agency is required to pay such taxing entity pursuant to Section 33607.5 and Section 34183 of the Code (the "Statutory Pass-through Payments") to the debt service on bonds issued by the Agency for the same project area. At this time, the Agency is expecting to issue a series of refunding bonds (the "Bonds") to be secured by the Agency's tax increment revenues from the Agency's Mid-County Redevelopment Project Area (the "Project Area"). The issuance of these bonds will lower the total debt service payments made from tax increment revenues from the Project Area without increasing the term of the bonds. By this letter, the Agency requests that the Coachella Valley Mosquito and Vector Control District (the "Taxing Entity") agree to the subordination of Statutory Pass-through Payments that the Agency is required to pay the Taxing Entity in connection with the Project Area to the Agency's payment obligations for the Bonds.

The Agency is planning to issue the Bonds early in fiscal year 2016-17. Enclosed for your review, pursuant to Section 33607.5(c)(2) of the Code, is a tax increment revenue projection summary, which includes a debt service coverage analysis prepared by Urban Analytics LLC (the "Fiscal Consultant"). The Fiscal Consultant's report shows that the Agency can reasonably expect to have sufficient funds available to pay both debt service on the Bonds and all of the Agency's Statutory Pass-through Payments owed to the various affected taxing entities for the Project Area. The Bonds will not be issued unless new debt service is lower than the debt service on the bonds to be refunded with the proceeds of the Bonds.

For the benefit of the Agency's records, please complete the attached Acknowledgement and return it to me no later than March 1, 2017. The Agency also requests that the governing board of the Taxing Entity take official action, by resolution or motion, to formally approve the subordination of your Statutory Pass-through Payments to the Bonds.

Please note that, in accordance with Section 33607.5(e)(3) and Section 34177.5(c)(3) of the Code, if the Taxing Entity does not respond to the requested subordination within forty-five (45) days of this letter, the subordination will be automatically deemed approved by the Taxing Entity and such approval shall be final and conclusive. Furthermore, to disapprove this subordination, the Taxing Entity must find, based on substantial evidence, that the Agency will not be able to pay the debt service on the Bonds and the Statutory Pass-through Payments that it is required to pay the Taxing Entity.

Thank you in advance for your cooperation in this matter. If you have any questions regarding this matter, please do not hesitate to contact me at (951) 955-1110.

Sincerely,

A handwritten signature in dark ink, appearing to read "Robin D. ...", followed by a horizontal line.

Successor Agency to the
Redevelopment Agency for the
County of Riverside

ACKNOWLEDGEMENT

(Successor Agency to the Redevelopment Agency for the County of Riverside Mid-County Redevelopment Project Area)

In response to the request by Successor Agency to the Redevelopment Agency of the County of Riverside (the "Agency") set forth in a letter dated January 23, 2017 (the "Subordination Request"), to approve the Taxing Entity's subordination of Statutory Pass-through Payments, the Coachella Valley Mosquito and Vector Control District (the "Taxing Entity") hereby confirms its approval of the subordination of the Agency's obligation to pay Statutory Pass-through Payments to the Taxing Entity in connection with the Mid-County Redevelopment Project Area to the Agency's payment obligations for the Bonds.

The governing board of the Taxing Entity has taken formal action on _____ 2017, to acknowledge and approve this subordination. A copy of the related [resolution I minute order] is enclosed.

All capitalized terms used but not defined in this Acknowledgement have the meanings ascribed to them in the Subordination Request.

IN WITNESS WHEREOF, the undersigned has caused this Acknowledgement to be signed by its authorized representative on this ____ day of _____, 2017.

COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT

By: _____

Name: _____

Title: _____

Mid-County Project Area
Projected Subordinated Passthrough Coverage

Fiscal Year	Gross Tax Increment	Senior Passthrough Payments	Other Senior Obligations	Debt Service	Net Tax Increment	Subordinated Passthrough Payments	Passthrough Coverage
2016/17	\$ 10,724,783	\$ 1,640,679	\$ 160,872	\$ 3,333,405	\$ 5,589,828	\$ 1,465,908	3.81
2017/18	11,039,332	1,672,457	165,590	3,339,402	5,861,483	1,515,748	3.87
2018/19	11,360,172	1,704,872	170,403	3,346,660	6,138,238	1,566,598	3.92
2019/20	11,687,429	1,737,934	175,311	3,354,697	6,419,486	1,648,425	3.89
2020/21	12,021,231	1,771,638	180,318	3,352,662	6,716,592	1,731,889	3.88
2021/22	12,361,709	1,806,056	185,426	3,359,458	7,010,769	1,817,653	3.86
2022/23	12,708,996	1,841,143	190,635	3,363,422	7,313,797	1,910,516	3.83
2023/24	13,063,229	1,876,930	195,948	3,369,145	7,621,205	2,005,236	3.80
2024/25	13,424,547	1,913,434	201,368	3,373,293	7,936,452	2,101,851	3.78
2025/26	13,793,091	1,950,668	206,896	3,373,994	8,261,533	2,200,398	3.75
2026/27	14,169,007	1,988,646	212,535	3,377,030	8,590,795	2,300,916	3.73
2027/28	14,552,440	2,027,384	218,287	3,370,181	8,936,588	2,403,444	3.72
2028/29	14,943,542	2,066,897	224,153	3,372,832	9,279,659	2,508,023	3.70
2029/30	15,342,466	2,107,200	230,137	3,376,923	9,628,206	2,619,310	3.68
2030/31	15,749,369	2,148,309	236,241	3,381,888	9,982,930	2,732,822	3.65
2031/32	16,164,409	2,190,241	242,466	3,389,240	10,342,463	2,848,604	3.63
2032/33	16,587,751	2,233,011	248,816	3,395,530	10,710,394	2,966,702	3.61
2033/34	17,019,559	2,276,636	255,293	3,400,879	11,086,751	3,087,162	3.59
2034/35	17,460,004	2,321,134	261,900	3,413,537	11,463,432	3,210,032	3.57
2035/36	17,909,257	2,366,522	268,639	3,407,201	11,866,895	3,335,358	3.56
2036/37	18,367,495	2,412,817	275,512	3,413,095	12,266,071	3,463,191	3.54
2037/38	18,834,898	2,460,038	282,523	2,006,832	14,085,505	3,594,055	3.92
2038/39	19,311,650	2,508,204	289,675	1,984,134	14,529,636	3,727,549	3.90
2039/40	19,797,936	2,557,334	296,969	1,925,053	15,018,580	3,893,392	3.86
2040/41	20,293,948	2,607,445	304,409	537,632	16,844,462	4,062,552	4.15
2041/42	20,799,880	2,658,559	311,998	538,618	17,290,705	4,235,095	4.08
2042/43	-	-	-	-	-	-	-
2043/44	-	-	-	-	-	-	-
2044/45	-	-	-	-	-	-	-
2045/46	-	-	-	-	-	-	-
2046/47	-	-	-	-	-	-	-

Tax Increment revenue is projected at a 2% annual growth rate. Per H&SC 341.89(a), plan limits and tax increment caps are disregarded for purposes of debt repayment.

Debt service Includes the project area's proportional share of housing debt service.

Other Senior Obligations include county administrative fees and other obligations senior to debt service on Agency bonds.

Source: Urban Analytics

RESOLUTION NO. 2017-06

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT SUBORDINATION REQUEST RELATING TO PROPOSED REFUNDING BOND ISSUE FOR MID-COUNTY PROJECT AREA OF THE SUCCESSOR AGENCY TO THE REDEVELOPMENT AGENCY FOR THE COUNTY OF RIVERSIDE

WHEREAS, the Coachella Valley Mosquito and Vector Control District (“District”) is a political subdivision and a “local agency” of the State of California, created and operating under the authority and provisions of California Health and Safety Code Section 2000 *et seq.*; and

WHEREAS, the Board of Trustees (“Board”) of said District has been granted the statutory authority and responsibility to administer the financial affairs of the District; and

WHEREAS, AB1484 allows successor agencies to refund the bonds of their former redevelopment agencies to provide debt service savings; and

WHEREAS, the Successor Agency to the Redevelopment Agency for the County of Riverside (Agency) is proposing to refund bond issue to lower the total debt service payments for the project area and is seeking the District’s (taxing entity) approval pursuant to Section 33607.5(e) and Section 34177.5(c) of the California Health and Safety Code.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Coachella Valley Mosquito and Vector Control District that:

Section 1. Recitals.

The recitals set forth above are true and correct and incorporated herein.

Section 2. Approval of the Successor Agency to the Redevelopment Agency for the County of Riverside Subordination of Statutory Pass-through Payments

The Board hereby confirms its approval of the subordination of the Agency’s obligation to pay Statutory Pass-through Payments to the District in connection with the Mid-Community Project Area to the Agency’s payment obligations for the Bonds.

Section 3. Severability.

Should any provision, section, paragraph, sentence or word of this Resolution be rendered or declared invalid by any final court action in a court of competent jurisdiction or by reason of any preemptive legislation, the remaining provisions, sections, paragraphs, sentences or words of this Resolution as hereby adopted shall remain in full force and effect.

Section 4. Repeal of Conflicting Provisions.

That all the provisions heretofore adopted by the Board that are in conflict with the provisions of this Resolution are hereby repealed.

Section 5. Effective Date.

This Resolution shall take effect immediately upon its adoption.

Section 6. Certification.

The Clerk of the Board shall certify to the adoption of this Resolution and shall cause the same to be processed in the manner required by law.

PASSED, ADOPTED AND APPROVED, this 14th day of March, 2017.

**Doug Walker, President
Board of Trustees**

ATTEST:

Crystal G. Moreno, Clerk of the Board

APPROVED AS TO FORM:

M. Katherine Jenson, General Counsel

REVIEWED:

Jeremy Wittie, MS, General Manager

SECTION
6



OLD BUSINESS



Coachella Valley Mosquito and Vector Control District

Staff Report

March 14, 2017

Agenda Item: Old Business

Update on the status and discussion about Strategic Plan 2015-17 – **Jeremy Wittie, MS, General Manager**

Background:

On March 19, 2011, the District conducted a Strategic Planning Workshop with the Board of Trustees, management, and representative employees, with the goal to provide a framework for decision making over a three to five year period. The workshop was led by Dr. Charles Beesley and included participation from all attendees. Charles (Chuck) Beesley, PhD, has over eight years of experience conducting Board/Management planning workshops for special districts. He is a past President of the California Special Districts Association, a prior special district General Manager of 20 years, and is experienced in developing strategic plans, operational goals and objectives, and Board/Management relationships.

On October 29, 2014, the District conducted a second Strategic Planning Workshop, with the Board of Trustees, management, and representative employees, to address key issues and provide guidelines for meeting the District's professional, ethical and legal obligations successfully. The workshop was again led by Dr. Charles Beesley.


At the March Board Meeting, an oral presentation will be given by General Manager Jeremy Wittie and will discuss Strategic Plan accomplishments and discuss future strategic planning needs.

Staff Recommendation:

That the Board take whatever action deemed necessary.

Fiscal Impact:

N/A

	Coachella Valley Mosquito and Vector Control District Staff Report		March 14, 2017
Agenda Item: Old Business			
Discussion and/or approval to contract with a Civil Engineer to draw plans for extending the asphalt pavement to the currently unpaved north east section of the Thermal Yard – Jeremy Wittie, MS, General Manager			
Background: The ad hoc Thermal Committee, staff and Scot Stormo of Earth Systems met March 6 th ; a recommendation from the meeting was to extend the paving of the Thermal property to the north east section. To do that, the District first needs to contract with a civil engineer to draw up plans so that an RFP can be issued for this project. At this moment there is no estimated budget for the civil engineer, the District will solicit three informal bids and will award the lowest responsible proposal. Staff anticipate we will have at least one proposal to recommend on the night of the March Board Meeting.			
Staff Recommendation: Staff recommends approval to proceed to contract with a Civil Engineer to draw plans for extending the asphalt pavement to the currently unpaved north east section of the Thermal Yard.			
Fiscal Impact:			
FY2016-17 Amended Budget Thermal Remediation Fund	Current Available Funds	Proposed Expense	Remaining Available Funds
\$428,534.00	\$411,134.00	PENDING	\$411,134.00

SECTION

11



NEW BUSINESS



Coachella Valley Mosquito and Vector Control District

March 14, 2017

Staff Report

Agenda Item: New Business

Approval to contract for Services with NetworkFleet Inc. for Fleet Telematics, a Global Positioning System (GPS) Vehicle Tracking System, in an amount not to exceed \$13,000.00, from Fund #7675.01.300, Maintenance Contracts – **Edward Prendez, Information Systems Manager**

Background:

Utilization of the Fleet Telematics Service provided by Network Fleet Inc. will enhance Fleet Operations monitoring and control by providing the following benefits:

On-board vehicle diagnosis and problem reporting – The system will notify Fleet Operations when a vehicle has a problem in any of the computer control system components on the vehicle. This will provide an immediate notification of a problem in the vehicle and allow fleet maintenance to schedule a repair before the problem results in a serious failure.

Mileage reporting – The system will automatically download vehicle mileage reading from the vehicle into the fleet management database.

Calculation of fuel economy – The system will constantly calculate vehicle fuel economy data. Fleet Operations will be able to see the fuel economy of vehicles and can collaboratively research, identify and analyze either mechanical or operational causes for poor vehicles mileage performance.

Safety - The system will protect District Employees and Assets. Employees who service the Urban, Rural, Shoreline and Agricultural Areas will gain a peace of mind knowing the District can pinpoint and track their location information, in the event of an emergency. GPS provides additional layer of security for the District Vehicles, if a vehicle is operated outside business hours or is reported stolen, the system can notify District Personnel and provide the vehicle's location for authorities to recover.

Accountability and Efficiency - Data collected will be used to increase efficiency and productivity, reduce fuel cost and scheduled maintenance.

Initial implementation costs and monitoring service fees are expected to be \$ 7,392.00, with a monthly recurring cost of \$1,064.00.

Staff Recommendation:

Approval to contact for Services with NetworkFleet Inc. for Fleet Telematics annually at a cost not to exceed \$13,000.00.

Fiscal Impact:

FY2016-17 <i>Amended Budget</i> 7675.01.300	Current Available Funds	Proposed Expense	Remaining Available Funds
\$15,300.00	\$15,300.00	\$13,000.00	\$2,300.00



CASE UPDATE

CA Supreme Court Rules that Texts and E-mails on Personal Devices May be Considered Public Records: City of San Jose v. Superior Court, California Supreme Court Case No. S218066 (March 2, 2017)

In a significant change to how the California Public Records Act (the "Act") has been historically construed, the California Supreme Court has held that electronic messages (e.g., emails and text messages) on personal devices and personal accounts are subject to disclosure under the Act if they are related to substantive public business.

The Act creates "a presumptive right of access to any record created or maintained by a public agency that relates in any way to the business of the public agency," which must be disclosed unless an exception applies. Under this definition, the Court held that even though electronic messages stored on personal devices and personal accounts are not owned or maintained by a public agency in traditional sense, because they are prepared by a public employee, they qualify as public records if they relate to public business. In fact, even though the messages on personal accounts may only be in the possession of a single employee rather than the agency itself, under a broad interpretation of the Act, the Court held that messages on personal accounts are nonetheless "retained by" the public agency.

The key issue moving forward will be determining whether or not a personal electronic message is sufficiently related to public business, which the Court admits "will not always be clear." In the Court's example, an email to a spouse complaining that a coworker "is an idiot" would likely not be a public record, but an email to a superior reporting a coworker's poor work would be. To make this determination, courts must examine several factors, including "the content itself; the context in, or purpose for which, it was written; the audience to whom it was directed; and whether the writing was prepared by an employee acting or purporting to act within the scope of his or her employment." Ultimately, a writing must be substantively related to the conduct of public business to be subject to the Act.

In response to concerns about public employees' privacy, the Court reasons that such concerns "can and should be addressed on a case-by-case basis," and are not sufficient to stop all searches of private devices and accounts. The Court also includes some guidance about how public agencies should conduct searches of private devices/accounts, indicating the scope of an agency's search for public records "need only be reasonably calculated to locate responsive documents."

In light of this ruling, public agencies should examine their existing policies, and consider a policy that prohibits employees from using personal electronic devices or personal email accounts for work-related communications, which is in line with a policy proposed by the Supreme Court as a means to comply with an agency's obligations to search for records when requested. Such a policy would avoid the challenging practical issues involved in examining personal text messages/emails, and determining if they qualify as sufficiently related to substantive public business under the foregoing factors on a "case-by-case" basis.

Please contact your Rutan attorney for further guidance.