

# DELTA MOSQUITO & VECTOR CONTROL DISTRICT

Dr. Mustapha Debboun  
*General Manager*

1737 West Houston Avenue \* Visalia, California 93291  
Phone (559) 732-8606 \* (877) 732-8606 \* Fax (559)-732-7441

Mir Bear-Johnson  
*Assistant Manager*

Hector Cardenas  
*Operations Program Manager*

www.deltamvcd.org

Crystal Grippin  
*Scientific Program Manager*

Mary Ellen Gomez  
*Administrative Assistant*



Erick Arriaga  
*Community Education & Outreach Coordinator*

Rick Alvarez  
*Vector Control Supervisor*

Paul Harlien  
*Foreman*

**DATE:** Friday, June 3, 2022

**TO:** Board of Trustees, Delta Mosquito and Vector Control District (DMVCD)

**FROM:** Dr. Mustapha Debboun, General Manager

**SUBJECT:** Regular Meeting of the District's Board of Trustees, Benefit Assessment Public Hearing

**TIME:** Wednesday, June 8, 2022 at 4:30 p.m.

**PLACE:** District Boardroom, 1737 West Houston Avenue, Visalia CA, 93291

**AGENDA:**

**1. ROLL CALL**

**2. PUBLIC FORUM (LIMITED TO THREE MINUTES PER SPEAKER)**

- a) Members of the public may comment on any item not on the Agenda that is within the jurisdiction of the Board of Trustees (Board). Under state law, matters presented during public comment cannot be discussed or acted upon by the Board in this meeting.
- b) For items on the Agenda, the public is invited to make comments during the public comment period.
- c) Any person addressing the Board will be limited to a maximum of three (3) minutes. Public comments will be limited to a total of 15 minutes during the public comment period.
- d) If there are more than five (5) persons wishing to comment, then time will be divided equally between all persons wishing to speak, so that everyone has an opportunity to address the Board.

**3. EMPLOYEE INTRODUCTION**

The General Manager will introduce Courtney Chagolla, Biologist to the members of the Board of Trustees.

**ACTION**

**4. CONSENT CALENDAR**

- a) May Minutes
- b) June Special Meeting Minutes
- c) May Bills (Board Orders #38, #39, #40)
- d) June Payroll (Board Order #41)

**5. STAFF REPORT**

The General Manager will report on items of District operational interest.

**6. PUBLIC HEARING**

Regarding the continuation of the District’s Prop 218, i.e., Benefit Assessment.

**ACTION**

Motion to open Public Hearing

- This is the opportunity for any public members to address the Board with questions/comments relevant to the setting of the Benefit Assessment

**ACTION**

Motion to Close Public Hearing

**ACTION**

**7. RESOLUTION 2022-03**

The Engineer’s Reports and levying annual assessment will be presented for Board approval.

**ACTION**

**8. RESOLUTION 2022-04**

The General Manager will request the Board to approve Resolution 2022-04 for a change to the 2021-2022 fiscal budget.

**ACTION**

**9. 2022-2023 FISCAL BUDGET**

The General Manager will present the 2022-2023 Fiscal Budget for Board’s approval.

**ACTION**

**10. RESOLUTION 2022-05**

The 2022-2023 Salary Schedule will be presented to the Board for approval.

**11. BOARD MEMBER COMMENTS**

The Board members will have a chance to make any additional comments regarding items within the jurisdiction of the District.

**12. FUTURE AGENDA ITEMS**

The Board members will have a chance to add future agenda items if they choose to.

**ACTION**

**13. ADJOURNMENT**

Adjourn meeting of the Board of Trustees to reconvene on Wednesday, July 13, 2022 at 4:30 p.m. in the Delta Mosquito and Vector Control District Boardroom, 1737 W. Houston Ave., Visalia, CA.

**Note:** Items designated for information are appropriate for Board action if the Board wishes to take action

## **1. Roll Call**

## **2. PUBLIC FORUM (LIMITED TO THREE MINUTES PER SPEAKER)**

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- b) For items on the Agenda, the public is invited to make comments during the public comment period.
- c) Any person addressing the Board will be limited to a maximum of three (3) minutes. Public comments will be limited to a total of 15 minutes during the public comment period.
- d) If there are more than five (5) persons wishing to comment, then time will be divided equally between all persons wishing to speak, so that everyone has an opportunity to address the Board.

### **3. Employee Introduction**

## ***4. CONSENT CALENDAR***

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Paul Harlien  
*Foreman*

Minutes of the Board of Trustees – Wednesday, May 11, 2022, Start: 4:37 p.m.

## 1. **Roll Call:**

Present: Greg Gomez, President; Linda Gutierrez, Acting Secretary, Rosemary Hellwig, Larry Roberts, and Kevin Caskey.

Absent: Michael Cavanagh, Belen Gomez

Staff: Dr. Mustapha Debboun, General Manager; Mir Bear-Johnson, Assistant Manager; Kayla Coulter, Administrative Analyst

## 2. **Employee Introduction:**

Dr. Debboun introduced Kayla Coulter, the new Administrative Analyst, to the Board of Trustees.

## 3. **California Employers Pension Prefunding Trust (CEPPT):**

Karen Lookingbill gave a brief presentation on CEPPT. Following discussion, it was moved by Greg Gomez, seconded by Kevin Caskey, and unanimously approved to move forward with CEPPT.

## 4. **Delta Mosquito and Vector Control District and Oxitec Collaboration:**

Dr. Debboun gave a brief outline of the current state of the DMVCD and Oxitec Collaboration. Public comment was given by three members of the public against the planned collaboration, with the aid of a translator.

## 5. **Benefit Assessment Resolution:**

Sonia Ortega of SCI Consulting gave a brief reminder of the annual Benefit Assessment Process. Following discussion, it was moved by Larry Roberts, seconded by Rosemary Hellwig and following a roll call vote, it was unanimously approved by the Board of Trustees to pass Resolution 2022-01.

**6. Public Hearing Approval:**

Following discussion, it was moved by Rosemary Hellwig, seconded by Linda Guttierrez and unanimously approved to hold the public hearing on June 8, 2022, at 4:30 pm, with SCI notifying the appropriate channels of the timing.

**7. Consent Calendar:**

Following discussion, it was moved by Kevin Caskey, seconded by Linda Guttierrez, and the Board members unanimously approved the consent calendar as presented.

**8. Public Forum:**

None

**9. Staff Report:**

The General Manager reported that the season was progressing and that due to high temperatures before this week, high number of mosquitoes were found and treated.

**10. DMVCD 100<sup>th</sup> Anniversary Celebration on October 1, 2022:**

The General Manager explained the date change reasoning and requested approval for food to be purchased for the celebration. Following discussion, it was moved by Kevin Caskey, seconded by Greg Gomez and the Board members unanimously approved up to a thousand dollars to be spent on food for the 100<sup>th</sup> Anniversary Celebration.

**11. Adjournment:**

It was moved by Kevin Caskey, seconded by Rosemary Hellwig, and unanimously approved to adjourn the meeting of the DMVCD's Board of Trustees at 5:50 p.m.

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Dr. Mustapha Debboun, Recording Secretary



# DELTA MOSQUITO & VECTOR CONTROL DISTRICT

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*Vector Control Supervisor*

Paul Harlien  
*Foreman*

Minutes of the Board of Trustees – Wednesday, June 2, 2022, Start: 4:30 p.m.

## 1. **Roll Call:**

Present: Greg Gomez, President; Belen Gomez, Secretary; Linda Gutierrez, Rosemary Hellwig, Larry Roberts, and Kevin Caskey.

Absent: Michael Cavanagh

Staff: Dr. Mustapha Debboun, General Manager; Mir Bear-Johnson, Assistant Manager

## 2. **Public Forum:**

None

## 3. **Resolution 2022-02:**

Following discussion, it was moved by Rosemary Hellwig, seconded by Greg Gomez, and by roll call vote all present approved Resolution 2022-02.

## 4. **Adjournment:**

It was moved by Larry Roberts, seconded by Greg Gomez, and unanimously approved to adjourn the meeting of the DMVCD's Board of Trustees at 4:47 p.m.

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Dr. Mustapha Debboun, Recording Secretary

May Payroll

Board Order No. 38  
Consent Calendar Exhibit III

VOUCHER	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
36477	DEBBOUN, MUSTAPHA	MANAGER		8,188.51
36478	BEAR-JOHNSON, MIR	ASSISTANT MANAGER		6,150.01
36479	ALVAREZ, RICK	VECTOR CONTROL SUPERVISOR		5,368.68
36480	ARRIAGA, ERICK	COMMUNITY EDUCATION & OUTREACH COORDINATOR		4,143.75
36481	CARDENAS, HECTOR	OPERATIONS PROGRAM MANAGER		5,532.40
36482	CHAGOLLA, COURTNEY	BIOLOGIST		4,332.83
36483	COULTER, KAYLA	ADMINISTRATIVE ANALYST		4,031.23
36484	FERGUSON, BRYAN	VECTOR CONTROL TECHNICIAN III/MECHANIC		4,885.65
36485	GOMEZ, MARY ELLEN	ADMINISTRATIVE ASSISTANT		4,397.98
36486	GRIPPIN, CRYSTAL	SCIENTIFIC PROGRAM MANAGER		4,088.70
36487	HARLIEN, PAUL	FOREMAN		5,190.07
36488	NAKATA, MARK	BIOLOGIST		5,386.83
36489	RUIZ, BRYAN	VECTOR CONTROL TECHNICIAN III		4,413.99
36490	SANCHEZ, MARIO	VECTOR CONTROL TECHNICIAN III/MECHANIC		4,057.84
36491	TROUPIN, ANDREA	BIOLOGIST		5,016.61
36492	VALDIVIAS, JAVIER	BIOLOGIST		4,910.34
		<i>Sub-Total Full-Time Payroll</i>		<b>\$80,095.42</b>
36493	VSP	Vision Plan Premium		467.57
36494	DELTA DENTAL PLAN	Dental Plan Premium		1,329.87
36495	LINCOLN FINANCIAL GROUP	Life/STD & LTD Insurance		1,309.30
36496	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Health Insurance Premium		22,262.82
36497	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax	Employee 71% - District 29%	31,994.10
36498	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax	Employee 100%	5,332.98
36499	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement	Employee 40% - District 60%	19,569.49
36500	DELTA VECT CONT DIST	Flex Benefit Plan	Employee 100%	1,174.96
36501	ICMA RETIREMENT TRUST	Deferred Retirement Trust	Employee 77% - District 23%	3,387.03
		<i>Sub-Total for Full-Time Payroll Taxes &amp; Benefits</i>		<b>\$86,828.12</b>
		<i>Total Regular Payroll &amp; Benefits</i>		<b>\$166,923.54</b>
36502	ADRIAN SIFUENTES	Vector Control Tech II		1,745.46
36503	ALEJANDRA GILL	Laboratory Tech I		1,078.54
36504	ALYSIA INGRIM	Vector Control Tech I		1,124.10
36505	REBECCA HARLIEN	Vector Control Tech I		1,078.54
36506	BRENDA RODRIGUEZ VIVAR	Laboratory Tech I		1,070.54
36507	CARLOS RODRIGUEZ	Vector Control Tech I		1,137.87
36508	CHRISTIAN FLORES	Vector Control Tech I		1,165.87
36509	DANIEL VILLARREAL	Vector Control Tech I		1,070.54
36510	DAVID TOWNSEND	Vector Control Tech I		1,070.54
36511	DOLORES MALDONADO	Laboratory Tech I		1,093.42
36512	EAN MCGILL	Laboratory Tech I		354.62
36513	ESMERALDA ANDRADE-BEDOLLA	Vector Control Tech I		471.84
36514	JAKE MALDONADO	Vector Control Tech I		1,070.54
36515	JUAN PABLO ORTEGA	Laboratory Tech I		1,070.54
36516	KORY WILSON	Vector Control Tech I		1,297.82
36517	MARISOL SANTILLAN	Laboratory Tech I		118.22
36518	MERRITT HORNING	Vector Control Tech I		471.84
36519	PAUL RAPER	Vector Control Tech II		1,654.86
36520	RYAN SPRATT	Vector Control Tech I		1,112.14
36521	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax		4,585.68
36522	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax		363.56
36523	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement		810.38
		<i>Sub-Total for Payroll Taxes &amp; Benefits</i>		<b>\$25,017.46</b>
		<i>Total Regular &amp; Seasonal Payroll &amp; Benefits</i>		<b>\$191,941.00</b>





CLAIM #	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
36541	PAUL RAPER	Vector Control Tech II		1,654.87
36542	ADRIAN SIFUENTES	Vector Control Tech II		1,745.46
36543	ADRIAN SIFUENTES	Vector Control Tech II - reimburse shortage on paycheck		5.91
36544	JORGE LOPEZ	Vector Control Tech II - reimburse shortage on paycheck		6.37
36545	ESMERALDA ANDRADE-BEDOLLA	Vector Control Tech I		942.77
36546	MIGUEL BALLESTEROS	Vector Control Tech II		695.06
36547	ZACKERY BARRAGAN	Laboratory Tech I		876.14
36548	CHRISTIAN FLORES	Vector Control Tech I		1,063.86
36549	ALEJANDRA GILL	Laboratory Tech I		1,203.26
36550	EDGAR GUZMAN	Project Tech I		869.94
36551	REBECCA HARLIEN	Vector Control Tech I		1,078.54
36552	MERRITT HORNING	Vector Control Tech I		1,030.80
36553	ALYSIA INGRIM	Vector Control Tech I		1,117.20
36554	DOLORES MALDONADO	Laboratory Tech I		1,137.58
36555	JAKE MALDONADO	Vector Control Tech I		1,070.54
36556	JUAN PABLO ORTEGA	Laboratory Tech I		1,242.12
36557	BRENDA RODRIGUEZ VIVAR	Laboratory Tech I		1,070.54
36558	CARLOS RODRIGUEZ	Vector Control Tech I		1,137.87
36559	RYAN SPRATT	Vector Control Tech I		1,112.14
36560	DAVID TOWNSEND	Vector Control Tech I		1,070.54
36561	DANIEL VILLARREAL	Vector Control Tech I		1,070.54
36562	KORY WILSON	Vector Control Tech I		1,297.82
36563	EAN MCGILL	Laboratory Tech I		678.83
36564	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax		5,686.50
36565	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax		447.85
36566	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement		\$1,166.65
		TOTAL PAYROLL		\$30,479.70

CLAIM #	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
36567	AT&T	Telephone	Telephone/cellphones	44.57
36568	ARCHIVE SOCIAL	Social media archiving subscription	Subscriptions	2,988.00
36569	CAL WATER	Utilities	Utilities	143.75
36570	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	Vector Disease Account - Recertification Fee	Continuing Ed	173.00
36571	CENTRAL VALLEY BUSINESS FORMS	Business Cards - Courtney Chagolla, Kayla Coulter, Mary Ellen Gomez	Professional Services	128.85
36572	CITY OF VISALIA	Utilities	Utilities	117.97
36573	COMCAST BUSINESS	Utilities	Utilities	337.36
36574	COURTNEY CHAGOLLA	Reimburse Moving Expense	Miscellaneous Expense	1,000.00
36575	EMD NETWORKING SERVICES INC.	Monthly Billing- June	Telephone/cellphones	2,381.95
36576	FRESNO OXYGEN	Dry Ice Pellets	Lab Supplies	178.31
36577	LIFE TECHNOLOGIES CORPORATION	Microplates	Lab Supplies	504.53
36578	LIXUP	GPS	GPS	859.57
36579	LOWES			475.87
		<i>Silicone grease, Battery</i>	233.35 Fish/Lab Supplies	
		ABS, Bird Spike, Wand, Spray Paint, Water Dispenser Replacement	242.52 Building/Yard	
36580	LOZANO SMITH	<i>PRA response letter review and approval</i>	Professional Services	\$1,985.97
36581	MISSION LINEN SUPPLY			627.45
		<i>Uniforms</i>	512.63 Clothing	
		<i>Janitorial</i>	114.82 Janitorial	
		<i>Quarterly Billing</i>	Maint Contract	\$583.20
36582	MITCHELL1			
36583	NACCHO	<i>Affiliate Membership Dues - Dr. Debboun</i>	Subscriptions	\$80.00
36584	SOCAL GAS	<i>Utilities</i>	Utilities	\$89.56
36585	UPS	<i>Customs Duties, Gout Charges, Brokerage Charges</i>	Miscellaneous Expense	\$178.01
36586	US BANK			\$6,434.36
		<i>Amazon - Containers, Label tape, Rubber bands, Battery chargers, Sharps container</i>	530.03 Lab Supplies	
		<i>Amazon - Screen protector, Phone case</i>	96.27 Office Supplies	
		<i>Houston Feed Store - Rabbit food</i>	22.66 Fish Supplies	
		<i>California Special District - Board of Trustee training</i>	175.00 Continuing Ed	
		<i>Holiday Inn - Hotel</i>	421.12 Travel Expense	
		<i>Google - Membership</i>	190.80 Subscriptions	
		<i>Harbor Freight - Wheel Kit</i>	59.66 Auto Supplies	
		<i>Filterbuy.com</i>	109.63 Fish Supplies	
		<i>Indeed - Job listings</i>	618.00 Professional Services	
		<i>Siptrunk Inc - Office Fax</i>	269.15 Telephone/cellphones	
		<i>Sanders Motorsports - Hard top roof, Windshield</i>	1,184.71 Auto Supplies	
		<i>American Airlines - Courtney Chagolla flight to tick convention</i>	1,002.71 Travel Expense	
		<i>Allianz Travel - Courtney Chagolla flight to tick convention</i>	76.91 Travel Expense	
		<i>Pita Kabob - Dr. Debboun Lunch with Mary Ellen, Mir Bear Johnson, Gregorio Gomez</i>	98.59 Travel Expense	
		<i>CVS - Amazon Gift Card for Mir Bear Johnson's 5yr anniversary</i>	50.00 Miscellaneous Expense	
		<i>Michaels - Display board, Frame wire, Felt pads, Turn button, Glazier point</i>	118.38 Miscellaneous Expense	
		<i>Downtown Visalia Certified Farmers Market - DTV-CFM Application Fee</i>	26.00 Assessment- Public Relations	
		<i>Hard Core 4x4 - Truck top, Tailgate bar, Windshield</i>	413.05 Auto Supplies	
		<i>County of Tulare - Desk, Tape Dispenser</i>	55.12 Lab Supplies	
		<i>Costco - Gatorade, Cake</i>	168.16 Miscellaneous Expense	
		<i>Costco - Paper Towels, Trash Bags</i>	70.64 Janitorial	
		<i>Uline - Whirl pak</i>	137.47 Operational Expense	
		<i>Walmart - LED Strobe</i>	49.87 Auto Supplies	
		<i>Target - Clip box</i>	43.36 Lab Supplies	
		<i>Bug Dorm insect cage (PayPal)</i>	400.96 Lab Supplies	
		<i>PetSmart - Fish food</i>	5.41 Fish Supplies	
		<i>US Foods Chef Store - Container</i>	40.70 Lab Supplies	
36587	Avantor - VWR	<i>Tubes, Gloves S,M,L, Gloves Nitrile Teal, VWR Rack</i>	Lab Supplies	\$700.22
36588	VALLEY INDUSTRIAL & FAMILY MEDICAL GROUP	<i>2 Seasonal Pre-employment Exams</i>	Professional Services	\$250.00
36589	VALLEY PACIFIC PETROLEUM SERVICES	<i>Fuel</i>	Fuel	\$4,787.17
36590	VERIZON	<i>Telephone</i>	Telephone/cellphones	\$1,638.98
36591	WIZIX	<i>Toner</i>	Office Supplies	\$17.00
		<b>TOTAL BILLS</b>		<b>\$26,705.65</b>
		<b>TOTAL BOARD ORDER #40</b>		<b>\$57,185.35</b>

VOUCHER	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
36592	DEBBOUN, MUSTAPHA	MANAGER		8,188.51
36593	BEAR-JOHNSON, MIR	ASSISTANT MANAGER		6,150.01
36594	ALVAREZ, RICK	VECTOR CONTROL SUPERVISOR		5,368.68
36595	ARRIAGA, ERICK	COMMUNITY EDUCATION & OUTREACH COORDINATOR		4,143.75
36596	CARDENAS, HECTOR	OPERATIONS PROGRAM MANAGER		5,532.42
36597	CHAGOLLA, COURTNEY	BIOLOGIST		4,332.85
36598	COULTER, KAYLA	ADMINISTRATIVE ANALYST		3,938.37
36599	FERGUSON, BRYAN	VECTOR CONTROL TECHNICIAN III/MECHANIC		4,885.66
36600	GOMEZ, MARY ELLEN	ADMINISTRATIVE ASSISTANT		4,398.00
36601	GRIPPIN, CRYSTAL	SCIENTIFIC PROGRAM MANAGER		4,088.69
36602	HARLIEN, PAUL	FOREMAN		5,190.05
36603	NAKATA, MARK	BIOLOGIST		5,386.82
36604	RUIZ, BRYAN	VECTOR CONTROL TECHNICIAN III		4,414.00
36605	SANCHEZ, MARIO	VECTOR CONTROL TECHNICIAN III/MECHANIC		4,057.84
36606	TROUPIN, ANDREA	BIOLOGIST		5,016.62
36607	VALDIVIAS, JAVIER	BIOLOGIST		5,128.48
		<i>Sub-Total Full-Time Payroll</i>		<i>\$80,220.75</i>
36608	VSP	Vision Plan Premium		467.57
36609	DELTA DENTAL PLAN	Dental Plan Premium		1,329.87
36610	LINCOLN FINANCIAL GROUP	Life/STD & LTD Insurance		1,309.30
36611	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Health Insurance Premium		22,460.47
36612	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax	Employee 71% - District 29%	32,076.10
36613	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax	Employee 100%	5,357.02
36614	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement	Employee 40% - District 60%	19,602.38
36615	DELTA VECT CONT DIST	Flex Benefit Plan	Employee 100%	1,174.96
36616	ICMA RETIREMENT TRUST	Deferred Retirement Trust	Employee 77% - District 23%	3,341.84
		<i>Sub-Total for Full-Time Payroll Taxes &amp; Benefits</i>		<i>\$167,340.26</i>
36617	CENTRAL VALLEY BUSINESS FORM	Door Hangers	Office Supplies	\$480.91
36618	FASTENAL	Nuts and Fasteners	Auto Supplies	\$39.45
36619	FRESNO OXYGEN	Dry Ice Pellets	Lab Supplies	\$127.46
36620	NAVIA BENEFIT SOLUTIONS	Flexible Benefit Plan Admin Fee	Professional Services	\$104.00
36621	ROBERSON-MCLAUGHLIN PLUMBING	Camera sewer line/inspect	Building/Yard	\$3,630.00
36622	VWR	Wheaton bottles	Lab Supplies	\$86.52
36623	VALLEY INDUSTRIAL & FAMILY GROUP	Pre-Employment Physicals - 3 Seasonal Employees	Professional Services	\$375.00
36624	VALLEY PACIFIC	Fuel	Fuel	\$5,668.81
		<i>Total Bills</i>		<i>\$10,512.15</i>
		<i>Total Board Order #41</i>		<i>\$177,852.41</i>

## **5. Staff Report**



# **DELTA MOSQUITO & VECTOR CONTROL DISTRICT**

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## **REPORT OF THE MANAGER MAY 2022**

### **I. Water and Weather**

The temperature increased throughout the month of May. The Delta Mosquito and Vector Control District (DMVCD) Weather Station reported an average high temperature of 84.4°F with an average low of 55.8°F and 0 inches of rainfall. The National Oceanic and Atmospheric Administration 1981-2010 seasonal averages for high and low temperatures in May were 80.6°F and 55.4°F respectively, with average rainfall of 0.36 inches.

Water storage at Pine Flat Reservoir increased to 623,425 acre-feet by the end of May. By May 31, 2022, Pine Flat Reservoir's inflow had decreased to 1,668 cubic feet per second (CFS) and its release increased significantly to 1,404 CFS. The Lake Kaweah Reservoir had more water than the previous month with 119,506 acre-feet on May 31, 2022. Lake Kaweah's inflow decreased, showing 225 CFS and its release was increased to 244 CFS.

### **II. Narrative**

Operations has hired an additional "Seasonal Operation Technician II (Ops Tech II)" for the month of May. Miguel Ballesteros, our new Ops Tech II joined the team on May 23, 2022. Miguel has over 5 years' experience working in the field of mosquito and vector control. He will be assisting our Rural team in managing Zone 2. Two additional Seasonals for the position of Operations Technician I started on May 9, 2022 and will assist the urban team in all operational functions.

Field operations received more service requests for the month of May than previous months. Service requests consist of a vector control technician inspecting the reported property for any standing water that can breed mosquito larvae. During this time, the technician uses an integrated vector management strategy to reduce any mosquito breeding found. In addition, technicians will use this opportunity to educate residents on mosquito breeding prevention, and how to protect themselves from mosquito bites. Field staff completed a total of 3,973 mosquito inspections throughout the District including rural and urban locations. Staff conducted 1,566 larval applications.

Storm drain operations continued for the month of May. Operations treated 10,869 storm drains in relation to streets, parks, commercial complexes, and parking lots. Storm drains are treated using a 30-day residual product, Altosid WSP, and re-inspections occur monthly.

Along with general facility maintenance, the shop Foreman, Mr. Paul Harlien replaced the cooling system for the pesticide storage room. The old cooling system was unrepairable and was replaced within 24 hours to avoid degradations of current chemical inventory.

Operations also repaired vehicle T-12 which needed a clutch replacement. Operations are still waiting on delivery of the A1 Super Duty and the A1 Boss wide larviciding units which are scheduled to arrive in June.

On May 3, 2022, four staff members attended an Unmanned Aircraft System workshop at Consolidated Mosquito Abatement District in Clovis, CA. Staff went over equipment calibrations, treatment parameters, and conducted mock treatments.

Our District GO-4 vehicle was listed for auction on GovDeals. The vehicle was listed on May 25, 2022 and will be at auction until June 3, 2022. We also transferred the title of our 10 new Colorado vehicles from Enterprise to the Delta Mosquito and Vector Control District.

Routine mosquito surveillance continued throughout May. A total of 15,984 mosquitoes were collected across 1,400 trap nights. The District-wide average of 11.4 mosquitoes per trap night for the month of May is 40.1% lower than the previous 5-year average of 19.1, but 35.4% higher than the 2021 average of 8.4 mosquitoes per trap night. The top 3 mosquito species caught in May were *Culex quinquefasciatus* at 86.7%, followed by *Cx. tarsalis* at 6.2% and *Cx. stigmatosoma* at 3.4%.

Mosquito-borne disease testing for West Nile virus (WNV), St. Louis Encephalitis virus (SLEV), and Western Equine Encephalitis virus (WEEV) continued in May. The DMVCD tested 433 mosquito samples and two bird carcasses in May, with zero samples positive for WNV. So far in 2022, zero mosquito samples out of 566 samples tested were positive for WNV.

There were 19 technician and homeowner mosquitofish requests in May to distribute a total of 344 fish. A total of 391 mosquitofish fry were produced in May. Routine fish hatchery maintenance took place weekly during May.

A total of 34 mosquito larvae samples were brought to the laboratory for processing. Susceptible *Cx. quinquefasciatus*, *Cx. tarsalis*, and *Aedes aegypti* colonies were maintained for insecticide resistance testing.

In May, we have attended eight events for community education and public outreach: five Visalia Rawhide baseball games, The Breakfast Lions Club car show, and two Farmers Markets. Each event averaged about two to three residents per hour. The main concern of residents was to learn tips on mosquito-bite prevention methods. At about half the events, Delta's booth was placed next to the Oxitec booth, which was very effective in answering all of the relevant questions the residents had about the Oxitec mosquito project.

The Assistant Manager, Mir Bear-Johnson and the General Manager, Dr. Mustapha Debboun published a Scientific Note entitled, *Triatoma protracta* (Uhler, 1894) (Hemiptera, Reduviidae) with *Trypanosoma cruzi* (chagas, 1909) Kinetoplastida, Trypanosomatidae) in the Central Valley of California, USA in the June 2022 issue of Journal of Vector Ecology, Vol. 47, no.1.

The next Public Oxitec Educational Webinar is on Tuesday, June 21, 2022 entitled, Oxitec in California: Community Engagement, Participation, and Consultation by Delta MVCD and Oxitec.

On May 19, 2022 the District hosted the California Department of Public Health’s Vector Control Technician Exam. Forty participants from eight districts took the exam, including nine from Delta Mosquito and Vector Control District.

There were 52 service requests in May:

2022 Service Request Summary

2022	Fish	Inspection	Mosquito	Source	Other	Total
January	0	0	0	5	0	5
February	2	0	7	7	0	16
March	4	0	7	14	0	25
April	12	0	10	17	0	39
May	14	6	9	23	0	52
<b>Total</b>	<b>32</b>	<b>6</b>	<b>33</b>	<b>66</b>	<b>0</b>	<b>137</b>

**III. Vector and Disease Surveillance**

**Delta MVCD Summaries**

Humans: There were no human cases of an arbovirus reported by the local public health department for the month of May.

Birds: Two dead birds were tested in May. None were positive for a mosquito-borne disease. So far, zero out of five dead birds have tested positive in 2022.

Mosquitoes: A total of 433 mosquito samples were tested in May. None were positive for WNV, SLEV, or WEEV. A total of 566 mosquitoes have been tested so far in 2022.

**State Surveillance:**

Humans: No human cases have been reported in 2022.

Birds: One dead bird has tested positive for WNV in 2022. So far, one out of 307 dead birds have tested positive in 2022.

Mosquitoes: Three new mosquito samples have tested positive for WNV. So far, five mosquito samples out of 5,432 have tested positive for WNV.

**IV. Expenditures & Revenues – 2021/22**

TOTAL BUDGET \$3,977,153.00

## EXPENDITURES – July 1, 2021 – May 31, 2022

Salaries	\$2,429,041.55
Services & Supplies	\$892,454.70
Tax Admin Fee	\$68,497.00
Capital	\$455,113.89
Long Term Debt	\$117,828.06
<b>TOTAL EXPENDITURES</b>	<b>\$3,962,935.20</b>

## REVENUE RECEIVED – July 1, 2021 – May 31, 2022

July	\$137.48
August	\$0
September	\$12,309.21
October	\$35,667.25
November	\$0
December	\$2,379,114.09
January	\$290,119.86
February	\$0
March	\$10,513.35
April	\$1,247,001.75
May*	
<b>TOTAL REVENUE TO DATE</b>	<b>\$3,974,862.99</b>

V. Time Sheet Summary

Month	Available Work Hrs	Sick Hrs Used	Total Hrs Available for Work	Pct. Of Hrs Available for Work
July	5,376	119.25	5,256.75	97.79
August	5,808	210.00	5,598.00	96.40
September	5,712	134.50	5,577.50	97.65
October	4,200	105.50	4,094.50	97.49
November	2,584	40.00	2,544.00	98.46
December	1,920	60.00	1,860.00	96.88
January	2,720	178.50	2,541.50	93.44
February	2,720	16.00	2,704.00	99.42
March	3,864	38.00	3,826.00	99.02
April	4,712	108.50	4603.50	97.70
May	6,160	108	6052.00	98.24

The District has a vacation policy that requires 24-hour notice in order to ensure the operational integrity of the workforce. Sick leave for doctor, dentist and/ or family medical necessity also requires advance

notice- in so much as it is possible. Illness is unplanned and therefore unscheduled. Attendance records for the current year are shown in the Time Sheet Summary table.

*\*May revenue not available as of 06/03/2022*

## **6. Public Hearing**



# DELTA MOSQUITO AND VECTOR CONTROL DISTRICT

## IMPROVED MOSQUITO, VECTOR AND DISEASE TESTING AND CONTROL ASSESSMENT

### ENGINEER'S REPORT

FISCAL YEAR 2022-23

JUNE 2022

PURSUANT TO THE HEALTH AND SAFETY CODE, GOVERNMENT CODE AND  
ARTICLE XIID OF THE CALIFORNIA CONSTITUTION

ENGINEER OF WORK:

**SCIConsultingGroup**

4745 MANGELS BOULEVARD  
FAIRFIELD, CALIFORNIA 94534

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**DELTA VECTOR CONTROL DISTRICT**

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**BOARD OF TRUSTEES**

Greg Gomez	City of Farmersville	Board President
Belen Gomez	City of Woodlake	Board Secretary
Kevin Caskey	County of Tulare	Board Member
Rosemary Hellwig	City of Exeter	Board Member
Michael Cavanagh	City of Visalia	Board Member
Larry Roberts	City of Dinuba	Board Member
Linda Gutierrez	County of Tulare	Board Member

**DISTRICT MANAGER/MEDICAL & VETERINARY ENTOMOLOGIST**

Dr. Mustapha Debboun

**ENGINEER OF WORK**

SCI Consulting Group  
Lead Assessment Engineer, John Bliss, M. Eng., P.E.

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## INTRODUCTION

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### OVERVIEW AND HISTORY OF THE DELTA MOSQUITO AND VECTOR CONTROL DISTRICT

The Delta Mosquito and Vector Control District (the "District") was established in 1922 to address chronic Malaria, as well as elevated pest mosquito populations, in northwest Tulare County. The District's responsibilities were expanded in the mid 1960's to include control of other disease-carrying insects and rodents (called "vectors"). In 1972, the District's name was changed from the "Delta Mosquito Abatement District" to the "Delta Vector Control District." In April 2021, the District changed its name to include Mosquito in the title. The official name is "Delta Mosquito and Vector Control District," (referred to as the "District" or "Delta MVCD" throughout this report) in order to reflect all the services provided by the District.

The District serves northwestern Tulare County, covering an area of 712 square miles. The District provides its services to properties accommodating approximately 240,000 residents and is the only public agency providing year-round mosquito and vector control and vector-borne disease protection and prevention services in this area of Tulare County.

The Delta Mosquito and Vector Control District is governed by a Board of Trustees (the "Board") with one trustee appointed by each of the five incorporated cities located within the District (Dinuba, Exeter, Farmersville, Visalia and Woodlake); and two trustees appointed by the County Board of Supervisors. The Board meetings are held at 4:30 pm on the second Wednesday of every month, and the public is invited to attend.

The District provides mosquito control; surveillance of flies, ticks, and other vectors; and disease control services within its boundaries. The District's services are available to all properties within its jurisdiction. The purpose of the Delta Mosquito and Vector Control District is to reduce the risk of vector-borne disease and mosquito nuisance to property and the inhabitants of property within the District. The District's core services are summarized as follows:

- Early detection of public health threats through comprehensive vector surveillance
- Reducing vectors or exposure to vectors that transmit vector-borne diseases
- Appropriate, timely response to requests to prevent/control vector-borne diseases on property
- Public education about mosquitoes and other vectors, the diseases they carry, and how residents can help control them on their property

The Delta Mosquito and Vector Control District employs an integrated mosquito and vector control strategy which particularly emphasizes surveillance and testing to determine thresholds for treatment, and prioritizes and narrowly focuses response approaches in support of a strategic, comprehensive mosquito and vector control program. The District has had considerable success with this strategy to reduce mosquito and vector populations, especially in its response to the threat of West Nile virus and other public health issues.

The District is currently funded primarily by ad valorem property taxes in the amount of approximately \$3 million per year. From 2010 to 2019, the District received funding from a property-owner approved assessment of approximately \$1 million per year which supported comprehensive mosquito and vector control services as well as the development of the District's laboratory. This assessment expired in 2019 after the development costs of the laboratory had been paid off, leaving a structural budget shortfall in funding for the portion dedicated to comprehensive mosquito and vector control services.

Moreover, in recent years, there has been a significant increase in local population of the invasive yellow fever mosquito, *Aedes aegypti* in Tulare County. This mosquito can spread dengue fever, chikungunya, Zika fever, Mayaro, yellow fever viruses, and other disease agents, and is particularly very expensive to control. To control the *Aedes aegypti* population, focused monitoring, testing, and treatment are required.

Hence, in 2021, the District conducted an assessment to replace the funding from the assessment that expired in 2019 and to address increased costs associated with addressing the invasive *Aedes aegypti*. With an additional funding source, the District is able to continue providing and improving year-round control of invasive mosquitoes, such as the *Aedes aegypti*, and the diseases they carry. As well as be better prepared for the future potential introduction of any other invasive mosquito species or emerging disease which may threaten the District residents.

## **OVERVIEW OF MOSQUITO & VECTOR CONTROL PROGRAM'S BENEFIT TO PROPERTY**

The District currently provides a "baseline" level of mosquito, vector and disease control services in the Service Area that will not be sufficient under the current budget structure if the assessment is not approved. The current funding source is diminishing over time and has been significantly reduced as a result of the expiration of the previous assessment in 2019, while the demand to address vectors, including emerging vectors such as *Aedes aegypti*, is increasing. Absent additional funding from a benefit assessment, a reduced, diminishing level of service would be the new "baseline" level of service and may include a very low level of surveillance, testing, monitoring and control of mosquitoes, resulting in higher mosquito populations and the potential for outbreak of vector-borne diseases.

The future services to be provided include intensive surveillance, disease prevention, and control of mosquitoes for properties within the Assessment Area such as mosquito, vector and disease prevention services, projects and programs include, but are not limited to, source reduction, biological control, larvicide and adulticide treatments, disease monitoring, public education, reporting, accountability, research and interagency cooperative activities, as well as capital costs, maintenance, and operation expenses as further described later, which are above the baseline level of services, and that otherwise would not be provided if the measure is not approved.

The Assessment Area is narrowly drawn to include only properties that could request and/or receive direct and more frequent service, that are located within the scope of the mosquito and vector surveillance area, that are located within flying or traveling distance of potential

mosquito-breeding sources monitored by the District, and that would benefit from a reduction in the amount of mosquitoes reaching and impacting the property as a result of the enhanced mosquito surveillance and control. The Assessment Diagram included at the end of this report shows the boundaries of the Assessment Area.

This Engineer's Report ("Report") defines the Benefit Assessment, which would enhance the existing services provided in the Service Area, and provides funding for these improved mosquito, vector and disease control services for property throughout the Service Area, as well as related costs for equipment, capital improvements and services, and facilities necessary and incidental to mosquito, vector and disease control programs.

As used within this Report and the Benefit Assessment ballot proceeding, the following terms are defined:

*"Vector" means any animal capable of transmitting the causative agent of human disease or capable of producing human discomfort or injury, including, but not limited to, mosquitoes, flies, mites, ticks, other arthropods, and rodents and other vertebrates (Health and Safety Code Section 2002(k)).*

*"Vector Control" means any system of public improvements or services that is intended to provide for the surveillance, prevention, abatement, and control of vectors as defined in subdivision (k) of Section 2002 of the Health and Safety Code and a pest as defined in Section 5006 of the Food and Agricultural Code (Government Code Section 53750(m)).*

The District operates under the authority of the Mosquito Abatement and Vector Control District Law of the State of California. Following are excerpts from the Mosquito Abatement and Vector Control District Law of 2002, codified in the Health and Safety Code, Section 2000, et seq. which serve to summarize the State Legislature's findings and intent with regard to mosquito abatement and other vector control services:

2001. (a) The Legislature finds and declares all of the following:

*(1) California's climate and topography support a wide diversity of biological organisms.*

*(2) Most of these organisms are beneficial, but some are vectors of human disease pathogens or directly cause other human diseases such as hypersensitivity, envenomization, and secondary infections.*

*(3) Some of these diseases, such as mosquitoborne viral encephalitis, can be fatal, especially in children and older individuals.*

*(4) California's connections to the wider national and international economies increase the transport of vectors and pathogens.*

*(5) Invasions of the United States by vectors such as the Asian tiger mosquito and by pathogens such as the West Nile virus underscore the vulnerability of humans to uncontrolled vectors and pathogens.*

*(b) The Legislature further finds and declares:*

*(1) Individual protection against the vectorborne diseases is only partially effective.*

*(2) Adequate protection of human health against vectorborne diseases is best achieved by organized public programs.*

*(3) The protection of Californians and their communities against the discomforts and economic effects of vectorborne diseases is an essential public service that is vital to public health, safety, and welfare.*

*(4) Since 1915, mosquito abatement and vector control districts have protected Californians and their communities against the threats of vectorborne diseases.*

*(c) In enacting this chapter, it is the intent of the Legislature to create and continue a broad statutory authority for a class of special districts with the power to conduct effective programs for the surveillance, prevention, abatement, and control of mosquitoes and other vectors.*

*d) It is also the intent of the Legislature that mosquito abatement and vector control districts cooperate with other public agencies to protect the public health, safety, and welfare. Further, the Legislature encourages local communities and local officials to adapt the powers and procedures provided by this chapter to meet the diversity of their own local circumstances and responsibilities.*

Further the Health and Safety Code, Section 2082 specifically authorizes the creation of benefit assessments for vector control, as follows:

*(a) A district may levy special benefit assessments consistent with the requirements of Article XIID of the California Constitution to finance vector control projects and programs.*

This Engineer's Report was prepared by SCI Consulting Group ("SCI") to describe the mosquito, vector and disease control services to be funded by the assessment, to establish the estimated costs for those services, to determine the special benefits received by property from the services, and to apportion the assessments to lots and parcels within the District's

Service Area based on the estimated special benefit each parcel receives from the services funded by the benefit assessment.

## **ENGINEER'S REPORT AND CONTINUATION OF ASSESSMENT**

In order to allow property owners to ultimately decide whether additional funding should be provided for the District's mosquito abatement services, the Board, on May 26<sup>th</sup>, 2021, authorized the initiation of proceedings for a benefit assessment to provide local funding for improved mosquito and disease surveillance and control services and related costs. The assessment was named the Mosquito and Disease Control Assessment (the "Assessment District"). In May through July of 2021, the District conducted an assessment ballot proceeding pursuant to the requirements of Article XIID of the California Constitution ("The Taxpayer's Right to Vote on Taxes Act") and the Government Code. During this ballot proceeding, owners of property in the Assessment District were provided with a notice and ballot for the special assessment. A 45-day period was provided for balloting and a public hearing was conducted on July 21<sup>st</sup>, 2021. This hearing was continued to July 28<sup>th</sup>, 2021, to allow adequate time for the tabulation of ballots.

It was determined after the conclusion of the public hearing that 57.03% of the weighted ballots returned were in support of the assessment. Since the assessment ballots submitted in opposition to the assessments did not exceed the assessment ballots submitted in favor of the assessments (with each ballot weighted by the proportional financial obligation of the property for which ballot was submitted), the District gained the authority to approve the levy of the assessments for fiscal year 2021-22 and to continue to levy them in future years. The authority granted by the ballot proceeding includes an annual adjustment in the maximum authorized assessment rate equal to the annual change in the Consumer Price Index for Western Region's Pacific Division Consumer Price Index for All Urban Consumers (CPI-U), not to exceed 3% per year. In the event that the annual change in the CPI exceeds 3%, any percentage change in excess of 3% can be cumulatively reserved and can be added to the annual change in the CPI for years in which the CPI change is less than 3%. Board took action, by Resolution No. 2021-07 passed on July 28, 2021, to approve the levy of the assessments.

In each subsequent year for which the assessments will be continued, the Board must preliminarily approve an updated Engineer's Report for the upcoming fiscal year at a noticed public hearing. The Engineer's Report should include a budget for the upcoming fiscal year's costs and services and an updated assessment roll listing all parcels and their assessments for the upcoming fiscal year.

This Engineer's Report ("Report") was prepared by SCI Consulting Group (SCI) to establish the estimated costs for the mosquito, vector, disease surveillance and control services and related costs that will be funded by the assessments, to determine the special benefits and general benefits received from the services and to apportion the assessments to lots and parcels within the District based on the estimated special benefit each parcel receives from the services funded by the benefit assessment.



If the Board approves this Engineer's Report and the continuation of the assessments it establishes for fiscal year 2022-23, the assessments will be submitted to the County Auditor for inclusion on the property tax rolls for fiscal year 2022-23.

## **GENERAL DESCRIPTION OF THE MOSQUITO & VECTOR CONTROL PROGRAM AND SERVICES**

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### **ABOUT THE VECTOR CONTROL PROGRAM**

The Delta Mosquito and Vector Control District is an independent special district (not part of any county or city) that controls and monitors mosquitoes and other vectors. The District protects the usefulness, desirability and livability of property, as well as the inhabitants within its jurisdiction, through the abatement of such vectors. In addition, the District regularly tests for diseases carried by mosquitoes and educates property owners and the occupants of property in the District about how to protect themselves from vector-borne diseases.

Over the course of time, a simple common-sense approach to mosquito control has evolved into a science-based program charged with protecting the public health from vector-borne disease via a comprehensive, integrated, highly technical program that gives consideration to the principles of ecology without damage to the environment. The use of methods, which minimally impact wildlife, non-targets, and beneficial plant and animal species are involved to provide a program that is effective and lasting.

### **OVERVIEW OF VECTOR CONTROL**

A vector is defined by the State of California as "any animal capable of transmitting the causative agent of human disease or capable of producing human discomfort or injury, including, but not limited to, mosquitoes, flies, other insects, ticks, mites, and rats, but not including any domesticated animal..." [California Health and Safety Code Section 2002(k)].

### **DESCRIPTION OF VECTOR CONTROL PROGRAM**

- Response to mosquito problems as well as other pestiferous or disease-carrying organisms on property in the District.
- Control of mosquito larvae on residential property, agricultural sources, ditches, dairy pits, drain lines, vaults, seasonally flooded ponds, horse troughs, wastewater treatment plants, under buildings, freshwater marshes, creeks, catch basins, and other sources on property in the District.
- Survey and data analysis of mosquito larvae populations to assess public health risks and allocate control efforts on property in the District.
- Monitoring of mosquito and other hematophagous dipteran populations using carbon dioxide-baited traps, resting boxes, New Jersey light traps, gravid traps, Biogents Sentinel (BG) traps, ovitraps, and other surveillance methods on property in the District.

- Monitoring for diseases carried and transmitted by mosquitoes on property in the District, such as Encephalitis, Malaria, Dog Heartworm, and West Nile virus.
- Testing of dead birds and mosquitoes for arboviruses and other diseases, and other disease surveillance methods to detect vector-borne diseases on property in the District.
- Testing of new adulticide and insecticide materials and investigation of their efficacy.
- Cooperation with the local health department, the State Department of Public Health, State Universities, and other agencies to survey and identify arthropod-borne diseases such as Lyme disease found in National and State Parks, trails and other recreational areas frequented by the public.
- Monitoring and/or advice for controlling other nuisance and potentially hazardous organisms and vectors such as ticks, mites, and fleas on property in the District.
- Educate residents about the risks of diseases carried by mosquitoes, ticks, and other disease vectors, and how to better protect themselves and their pets.
- Education programs on vectors and disease abatement at school, community, and civic group meetings in the District.
- Distribution of printed material and brochures that describe what residents, employees and property owners can do to keep their homes and property free of mosquitoes and other vectors.

The District protects the public from vector-borne disease and mosquito nuisance while protecting the environment, through a coordinated set of activities collectively known as the Integrated Vector Management Program (IVMP). For all vector species, public education is a primary control strategy. In addition, the District determines the abundance of vectors and the risk of vector-borne disease or discomfort through evaluation of public service requests and field and laboratory surveillance activities. If the populations exceed or are anticipated to exceed predetermined criteria, District staff employs the most efficient, effective, and environmentally sensitive means of control for the situation. Where feasible, water management or other physical control activities are instituted to reduce vector production. In some circumstances, the District also uses biological control such as the distribution of mosquitofish. When these approaches are not effective or are otherwise inappropriate, pesticides are used to treat specific pest-producing or pest-harboring areas.

## **VECTORS AND VECTOR-BORNE DISEASES IN THE DISTRICT SERVICE AREA**

The District undertakes activities through its Integrated Vector Management Program to control the following vectors of disease and / or discomfort within the District:

### **MOSQUITOES**

Certain species of mosquitoes found in Tulare County can transmit West Nile virus, Western Equine Encephalomyelitis, St. Louis Encephalitis, Malaria, and potentially other emerging diseases. A few species of mosquitoes are also capable of transmitting Dog Heartworm. Although some species of mosquitoes have not been shown to transmit mosquito-borne diseases, all mosquito species can cause human discomfort when the female mosquito bites

to obtain blood. Reactions range from irritation in the area of the bite to severe allergic reactions or secondary infections resulting from scratching the irritated area. Additionally, an abundance of mosquitoes can cause economic losses, and loss of use or enjoyment of recreational, agricultural, or industrial areas.

Of the world's 3,000 mosquito species, more than 50 are found in California, and 24 have been identified in Tulare County. Continuous surveillance and special control efforts are aimed at the most troublesome species: *Aedes sierrensis*, *Aedes nigromaculis*, *Aedes vexans*, *Aedes aegypti*, *Anopheles freeborni*, *Anopheles punctipennis*, *Culex quinquefasciatus*, *Culex tarsalis*, and *Culex stigmatosoma*.

#### **OTHER ANIMALS OF IMPORTANCE**

Although certain animal species such as bats, ground squirrels, chipmunks, ticks, opossums, wood rats, roof rats, house mice and their associated vectors will not be regularly controlled, these animals play important roles in the transmission of Plague, Rickettsiosis, Anaplasmosis, Ehrlichiosis, Murine Typhus, Hantavirus, and Lyme Disease, and may be surveyed for other diseases. The District routinely provides education and consulting services to the public about disease risk associated with these host species and vectors, along with appropriate measures to protect human health. In extreme cases where the transmission of disease is likely, as with other District activities, control efforts may be employed. Control of these animals will be done in consultation with the California Department of Health Services, Tulare County Department of Environmental Health, local animal control, Tulare County Agricultural Commissioner's Offices, and other State and local agencies.

Most of the animals mentioned earlier are extremely mobile and cause the greatest hazard or discomfort away from their sources. Each of their potential vectors, primarily fleas and ticks have a unique life cycle and most occupy a variety of habitats. In order to effectively control these vectors, an integrated vector management program must be employed. District policy is to identify those species that are currently vectors, recommend techniques for their prevention and control, and anticipate and minimize any new interactions between vectors and humans.

#### **INTEGRATED VECTOR MANAGEMENT**

The Integrated Vector Management Program of the Delta Mosquito and Vector Control District is a long-standing, ongoing program of surveillance and control of mosquitoes and other vectors of human disease and discomfort. The program consists of six types of activities:

**SURVEILLANCE** for vector populations, vector habitats, disease pathogens, and public distress associated with vectors; this includes trapping and laboratory analysis of vectors to evaluate populations and disease threats, direct visual inspection of known or suspected vector habitats, the use of all-terrain vehicles, maintenance of paths, and public surveys;

**PUBLIC EDUCATION** to encourage and assist reduction or prevention of vector habitats on private and public property;

**PHYSICAL CONTROL.** Management of vector habitat, especially through elimination of water-breeding sources, water control and maintenance or improvement of channels, tide gates, levees, and other water control facilities, etc;

**VEGETATION MANAGEMENT** to improve surveillance or reduce vector populations, usually through education and cooperation of property owners;

**BIOLOGICAL CONTROL.** Rearing, stocking, and provision to the public of the "mosquitofish" *Gambusia affinis*; application of the bacterium *Bacillus thuringiensis*, *Bacillus sphaericus*, and possibly use of other predators or pathogens of vectors;

**CHEMICAL CONTROL.** Application of non-persistent selective insecticides to reduce populations of larval or adult mosquitoes and other invertebrate threats to public health.

The District's activities address mosquitoes and other arthropods – but both share general principles and policies including identification of vector problems; responsive actions to control existing populations of vectors, prevent new sources of vectors from developing, and manage habitat to minimize vector production; education of land-owners and others on measures to minimize vector production or interaction with vectors; and provision and administration of funding and institutional support necessary to accomplish these goals.

In order to accomplish effective and environmentally sound vector management, the manipulation and control of vectors must be based on careful surveillance of their abundance, habitat (potential abundance), pathogen load, and/or potential contact with people; the establishment of treatment criteria (thresholds); and appropriate selection from a wide range of control methods. This dynamic combination of surveillance, treatment criteria, and use of multiple control activities in a coordinated program is generally known as Integrated Pest Management (IPM) (Glass 1975, Davis et al 1979, Borror et al. 1981, Durso 1996, Robinson 1996).

The District's Vector Management Program, like any other IPM program, by definition involves procedures for minimizing potential environmental impacts. The District's Project uses IPM principles by first determining the species and abundance of vectors through evaluation of public service requests and field surveys of immature and adult mosquito populations; and then, if the populations exceed predetermined criteria, using the most efficient, effective, and environmentally sensitive means of control. For all vector species, and their host, public education is an important control strategy. In some situations, water management or other physical control activities (historically known as "source reduction" or "permanent control") can be instituted to reduce vector sources. The District also uses biological control such as the placing of mosquitofish in some aquatic settings. When these approaches are not effective or are otherwise inappropriate, pesticides are used to treat specific pest-producing or pest-harboring areas.

In order to maximize familiarity by the operational staff with specific vector sources in the Assessment Area, the District is divided into zones (currently six). Each zone is assigned a trained Vector Control Technician, whose responsibilities include inspection and treatment of known vector sources, finding and controlling new sources, minor physical control, and

responding to service requests from the public. Each zone is further divided in the suburban or urban areas to help with service requests and control.

Vector control activities are conducted at a wide variety of sites throughout the District's Assessment Area. These sites can be roughly divided into those where activities may have an effect on the natural environment either directly or indirectly (through drainage), and sites where the potential environmental impacts are negligible "Non-Environmental Sites." Examples of "Environmental Sites" in the Project area include Lakes and Ponds, Rivers and Streams, Vernal Pools and other Seasonal Wetlands, Storm Water Detention Basins, Flood Control Channels, Street Drains and Gutters, Wash Drains, Irrigated Pastures, or Agricultural Ditches. Examples of "Non-Environmental Sites" include Animal Troughs, Artificial Containers, Tire Piles, Fountains, Ornamental Fish Ponds, Swimming Pools, Animal Waste Detention Ponds, and Non-Natural Harborage (such as wood piles, residential and commercial landscape, trash receptacles, etc.).

### **SURVEILLANCE AND SITE ACCESS**

In addition to nuisance, disruption of human activities, and rendering our environment uninhabitable, certain insects and animals may transmit a number of diseases. The mosquito-borne diseases of most concern in Tulare County are West Nile virus (WNV), Western Equine Encephalomyelitis (WEE) virus, and St. Louis Encephalitis (SLE) virus, Dengue, Chikungunya, and Zika viruses.

The District has identified mosquito and other potential vector sources scattered throughout the District. All properties within the District are within mosquito-flying range of one or more mosquito sources, and/or the normal travel range of one or more other vectors. Furthermore, the District's geographic area has long suffered from mosquitoes and other vectors and includes a large number of sources.

Mosquito populations are surveyed using a variety of field methods and traps. Surveillance is conducted in a manner based upon an equal spread of resources throughout the District boundaries, focusing on areas of likely sources. Treatment strategies are based upon the results of the surveillance program, and are specifically designed for an individual area. Small volume mosquito "dippers" and direct observation are used to evaluate larval populations, and service requests from the public. The BG traps, resting boxes, gravid traps, ovitraps, and carbon dioxide-baited traps are used to evaluate adult populations. The surveillance traps are located and spread throughout the District in a balanced approach such that the traps measure mosquito levels throughout the District.

Mosquito-borne diseases are surveyed using adult mosquitoes, and dead birds. Coops with sentinel chickens are maintained on the property of willing landowners.

Adult mosquitoes are collected and tested for infection of WNV, SLE, WEE, Dengue, Chikungunya, and Zika viruses. Specimens are collected utilizing a variety of surveillance traps or mechanisms, with small battery-powered traps baited with carbon dioxide in the form of dry ice, or a sugar-yeast -water which specifically targets host seeking females or an organically infused liquid designed to replicate the preferred breeding habitat of certain

species. Intermittently, mosquitoes are aspirated directly from resting boxes and natural resting sites. Although most traps must be placed in vegetated areas with little light competition, care is taken to ensure that placement of traps does not significantly damage any vegetation.

Surveillance is also conducted to determine vector habitat (e.g., standing water) and the effectiveness of control operations. Inspections will be conducted using techniques with insignificant impacts on the environment. Staff routinely uses pre-existing accesses such as roadways, open areas, walkways, and trails. Vegetation management (i.e., pruning trees, clearing brush, and herbicide application) is conducted where overgrowth impedes safe access. All of these actions only result in a temporary/localized physical change to the environment with regeneration/regrowth occurring within a span of six to nine months.

In order to access various sites throughout the District for both surveillance and control, District staff utilizes specialized equipment such as light trucks, all-terrain vehicles, and boats. District policies on use of this equipment are designed to avoid environmental impact.

In addition, the District's jurisdictional powers allow for testing for the presence of Plague and Murine Typhus by collecting ground squirrels, wild rodents, opossums, and fleas. (Currently the District does not anticipate it will provide this service due to a lack of manpower and certified specialists to perform the work.) Testing for the presence of Hantavirus Pulmonary Syndrome could be conducted by collecting wild rodents. Small animals could be trapped using live traps baited with food. The traps would be set in late afternoon and would be collected within 24 hours. The animals would be anesthetized and blood, tissue, and flea samples would be obtained. Threatened and endangered species and other legally protected animals that might become trapped would be released immediately and would not be used in these tests.

Disposable supplies contaminated while collecting bird blood and tissue would be stored in appropriate biohazard containers in the District's laboratory and disposed of in accordance with all applicable laws. Reusable items would be cleaned and sterilized before being used again. The disposal of animal carcasses would be in compliance with all Federal, State, and local laws and regulations.

## **EDUCATION**

The primary goal of the District's activities is to prevent vectors from reaching public nuisance or disease thresholds by managing their habitat while protecting habitat values for their predators and other beneficial organisms. Vector prevention is accomplished through public education, including site-specific recommendations on water and land use, and by physical control (discussed in a later section).

The District's education program teaches the people within the District how to recognize, prevent, and suppress vector breeding and harborage on their property. This part of the District's Services is accomplished through the distribution of brochures, fact sheets, and newsletters, participation in local fairs and events, presentations to community organizations, contact with Technicians during response to service requests, and public

service announcements and news releases. Education also includes a school program to teach future adults in the District to be responsible by eliminating vector sources, and to educate their parents or guardians about District services and how they can reduce vector-human interaction on property within the District.

## **CONTROL OF MOSQUITOES**

When a mosquito source produces mosquitoes above District treatment thresholds, the Technician will generally work with the landowner or responsible agency to reduce the habitat value of the site for mosquitoes (“physical control”). If this is ineffective, the Technician will determine the best method of further treatment, including biological control and/or chemical control. The District’s objective is to provide each property a District-wide level of consistent mosquito and vector control such that all properties will benefit from equivalent reduced levels of mosquitoes and other vectors. Surveillance and monitoring are provided on a District-wide basis. Although the District cannot predict or anticipate where and when control measures will be applied, because the type and location of control is dependent on the surveillance and monitoring results, control thresholds and objectives are comparable throughout the District.

### **PHYSICAL CONTROL**

The District physically manipulates and manages mosquito habitat areas (“sources”) within the District to reduce mosquito production. This may include removal of containers and debris, removing standing water from unmaintained swimming pools and spas, removal of vegetation or sediment, interrupting water flow, rotating stored water, pumping and/or filling sources, improving drainage and water circulation systems, breaching or repairing levees, and installing, improving, or removing culverts, and other water control structures in wetlands.

### **BIOLOGICAL CONTROL**

The mosquitofish, *Gambusia affinis*, is the District’s primary biocontrol agent used against mosquitoes. Mosquitofish are not native to California, but have been widely established in the state since the early 1920’s, and now inhabit most natural and constructed water bodies. The District rears mosquitofish on its fish hatchery facility. District technicians place mosquitofish in natural and man-made settings within the District where either previous surveillance has demonstrated a consistently high production of mosquitoes, or where current surveillance indicates that mosquito populations will likely exceed chemical control thresholds without prompt action. Mosquitofish are also used to control mosquito production in artificial containers such as ornamental fishponds, aquatic plant barrels, horse troughs, and abandoned swimming pools within the District. Only residents living within the District can request mosquitofish for this purpose.

### **CHEMICAL CONTROL**

Since many mosquito sources cannot be adequately controlled with physical control measures or mosquitofish, the District also uses biological materials and/or chemical insecticides approved by the U.S. Environmental Protection Agency, the California Department of Pesticide Regulation, and other environmental agencies to control mosquito production where observed mosquito production exceeds District thresholds. When field

inspections indicate the presence of vector populations which meet District criteria for chemical control (including abundance, density, species composition, proximity to human settlements, water temperature, presence of predators, levels of disease activity, and others), the District's California-certified Vector Control Technicians apply these materials to the site in strict accordance with the label instructions. When possible, the District uses selective larvicides; if a large number of adult mosquitoes are present and public health is threatened, the District may apply selective, low persistence aerosol adulticides to reduce the number of adult mosquitoes.

Mosquito Larvicides: Depending on time of year, water temperature, organic content, mosquito species present, larval density, and other variables, pesticide applications may be repeated at any site at recurrence intervals ranging from annually to weekly. Larvicides routinely used by the District include BVA-2 Oil, Methoprene (Altosid), Bti (*Bacillus thuringiensis israelensis*), Bs (*Bacillus sphaericus*) and Agnique (used sparingly).

- a. BVA-2 Oil is a petroleum distillate with low phytotoxicity and fast environmental breakdown that forms a thin film on water and kills larvae and pupae through suffocation. It is typically applied by hand, ATV, or truck at application rates of 1-5 gallons per acre.
- b. Methoprene, or Altosid, is a synthetic juvenile hormone designed to disrupt the transformation of a juvenile mosquito into an adult. It is applied either in response to observed high populations of mosquito larvae at a site, or as a sustained-release product that can persist for up to four months or less depending on formulation. Application can be by hand, ATV, or aircraft.
- c. *Bacillus thuringiensis israelensis* (Bti) is a bacterium that is ingested by larval mosquitoes and disrupts their gut lining, leading to death before pupation. Bti is applied by the District as a liquid or bonded to inert substrate (typically corncob granules) to assist penetration of vegetation. Persistence is low in the environment, and efficacy depends on careful timing of application relative to the larval instar. Therefore, use of Bti requires frequent inspections of larval sources during periods of larval production, and may require frequent applications of material. Application can be by hand, ATV, or aircraft.
- d. Agnique is the trade name for a surface film larvicide, comprised of ethoxylated alcohol. It is used as an alternative to Golden Bear 1111. Application is made by hand.
- e. *Bacillus sphaericus* is a biological larvicide that the District uses and its mode of action is similar to that of Bti, but *B. sphaericus* may be used more than *Bti* in some sites because of its greater effectiveness in water with high organic content. Application can be by hand, ATV, or aircraft.

Mosquito Adulticides: In addition to chemical control of mosquito larvae, the District also makes aerosol applications of pesticides for control of adult mosquitoes within the District if specific criteria are met, including species composition, population density (as measured by landing count or other quantitative method), proximity to human populations, and/or human disease risk. As with larvicides, adulticides are applied in strict compliance with label requirements.



## SERVICE REQUESTS

The District responds to all service requests initiated from persons residing or employed within its boundaries. Any property owner, business or resident may contact the District to request a vector control related service or inspection, and a District field technician will respond promptly to evaluate the property, assess the situation, and perform appropriate surveillance and/or control services. The District responds to all service requests in a timely manner, regardless of location, within its boundaries.

## SUMMARY OF EXPANDED SERVICES FUNDED BY THIS ASSESSMENT

If this assessment is approved, the District will provide enhanced, expanded and improved services and improvements, to be funded by the Assessment, which is or will be above the current baseline level of service.

These enhanced services and improvements above the baseline services include a significant increase from the baseline services described earlier, as well as:

- Increased monitoring of mosquito and other hematophagous arthropod populations using carbon dioxide-baited traps, resting boxes, New Jersey light traps, gravid traps, ovitraps, and other surveillance methods, by increasing the number and locations of these traps and methods on property throughout the District.
- Continue providing free mosquito-eating fish to property owners for backyard ponds and other water features.
- Controlling mosquito-breeding sources with environmentally sound products wherever mosquito larvae or pupae are found, with special focus on invasive mosquito vectors such as *Aedes aegypti*.
- Testing for diseases that can be carried by invasive *Aedes aegypti* mosquito.
- Responding rapidly to service requests concerning mosquitoes, insects, and other vectors.
- Conducting environmentally safe adult mosquito control when necessary to protect public health.
- Providing community education and outreach on how to prevent and protect residents from mosquito bites, mosquito-borne diseases, and other vector-borne diseases.

## ESTIMATE OF COSTS AND BUDGET

FIGURE 1 – COST ESTIMATE – FY 2022-23

<b>Delta Mosquito and Vector Control District</b>			
<b>Mosquito, Vector and Disease Control Assessment</b>			
Estimate of Cost - Fiscal Year 2022-23			
			<i>Preliminary Budget</i>
Mosquito & Vector Control Services and Related Expenditures			
Personnel			\$451,743
Equipment Operational Cost			\$31,000
Surveillance and Control			\$247,089
Spot WALs treatment			\$295,696
<b>Total Mosquito Control Services and Related Expenditures</b>			<b>\$1,025,528</b>
Incidental Costs <sup>1</sup>			
Allowance for Uncollectable Assessments			\$32,000
Levy Administration, County Collection Fee, and Other Incidentals			\$113,819
<b>Total Incidental Costs</b>			<b>\$145,819</b>
Less Contributions from other Sources (i.e. current budget) <sup>2</sup>			
Existing Revenue			(\$2,196,859)
<b>Total Contributions from other Sources</b>			<b>(\$2,196,859)</b>
<b>Total Mosquito, Vector and Disease Control Services and Incidentals</b>			<b>(\$1,025,512)</b>
(Net Amount to be Assessed)			
<b>Budget Allocation to Property</b>			
Zones of Benefit	Total SFE Units <sup>3</sup>	Assessment per SFE <sup>4</sup>	Total Assessment <sup>5</sup>
Zone A	81978.566	\$12.50	\$1,024,732
Zone B	127.325	\$6.25	\$796
			<b>\$1,025,528</b>

Notes:

1. Incidental Costs include allowance for uncollectable assessments from assessments on public agency parcels, and county collection charges.

2. As determined in the following section, at least 5% of the cost of the Services must be funded from other sources, other than the Assessments, to cover any general benefits from the Services. Therefore, out of the total cost of the Services of \$3,222,387, the District must contribute at least \$161,119 from sources other than the Assessments. The District will contribute \$2,196,859 from non-assessment revenue, which more than covers any general benefits from the Services. The District contribution also offsets the minimal amount of baseline services that are currently provided in the Assessment Area.

The total costs of the new services and improvements is the sum of the total assessment amount plus the general benefit contribution.

3. SFE Units means Single Family Equivalent benefit units. See method of assessment in the following Section for further definition.

4. The assessment rate per SFE is the total amount of assessment per Single Family Equivalent benefit unit.

5. Funds raised by the assessment shall be used only for the purposes stated within this Report. Any balance remaining at the end of the fiscal year, June 30, must be carried over to the next fiscal year.

Note: For the sake of brevity within this report, the budget above represents only a top-line summary of the District's forecasted budget for fiscal year 2022-23. The detailed and comprehensive District budget is available upon request, and provides actual costs for prior years, and both forecasted and actual costs for the current fiscal year.

## METHOD OF ASSESSMENT

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This section of the Report explains the benefits to be derived from the Services to be provided for property in the Assessment Area, and the methodology used to apportion the total assessment to properties within the Improved Mosquito, Vector and Disease Testing and Control Assessment Area.

The Mosquito, Vector and Disease Control Service Area consists of the assessor parcels in the Delta Mosquito and Vector Control District, as defined within the area of the boundary diagram included within this Engineer's Report and coincident with the Service Area. (See the Assessment Roll for a list of all the parcels included in the Improved Mosquito, Vector and Disease Testing and Control Assessment.)

The method used for apportioning the assessment is based upon the proportional special benefits to be derived by the properties in the Assessment Area over and above general benefits conferred on real property in the assessment area or to the public at large. Special benefit is calculated for each parcel in the Assessment Area.

1. Identification of total benefit to the properties derived from the Services
2. Calculation of the proportion of these benefits that are special vs. general
3. Determination of the relative special benefit within different areas within the Assessment Area
4. Determination of the relative special benefit per property type and property characteristic.
5. Calculation of the specific assessment for each individual parcel based upon special vs. general benefit; location, property type and property characteristics

### DISCUSSION OF BENEFIT

In summary, the assessments can only be levied based on the special benefit to property. This special benefit is received by property over and above any general benefits from the Services. With reference to the engineering requirements for property related assessments, under Proposition 218, an Engineer must determine and prepare a report evaluating the amount of special and general benefit received by property within the Assessment Area as a result of the improvements or services provided by a local agency. The special benefit is to be determined in relation to the total cost to that local entity of providing the service and/or improvements.

Proposition 218 as described in Article XIID of the California Constitution has confirmed that assessments must be based on the special benefit to property:

*"No assessment shall be imposed on any parcel which exceeds the reasonable cost of the proportional special benefit conferred on that parcel."*

The below benefit factors, when applied to property in the Assessment Area, confer special benefits to property and ultimately improve the safety, utility, functionality and usability of

property in the Assessment Area. These are special benefits to property in the Assessment Area in much the same way that storm drainage, sewer service, water service, sidewalks and paved streets enhance the utility and functionality of each parcel of property served by these improvements, providing them with more utility of use and making them safer and more usable for occupants.

It should also be noted that Proposition 218 includes a requirement that existing assessments in effect upon its effective date were required to be confirmed by either a majority vote of registered voters in the assessment area, or by weighted majority property owner approval using the new ballot proceeding requirements. However, certain assessments were excluded from these voter approval requirements.

The Legislature also made a specific determination after Proposition 218 was enacted that vector control services constitute a proper subject for special assessment. Health and Safety Code section 2082, which was signed into law in 2002, provides that a district may levy special assessments consistent with the requirements of Article XIID of the California Constitution to finance vector control projects and programs.

### **MOSQUITO AND VECTOR CONTROL IS A SPECIAL BENEFIT TO PROPERTIES**

As described later, this Engineer's Report concludes that mosquito and vector control is a special benefit that provides direct advantages to property in the Assessment Area. For example, if approved, the assessment would provide for 1) surveillance throughout the Assessment Area to measure and track the levels and sources of mosquitoes impacting property in the area and the people who live and work on the property; 2) mosquito and mosquito source control, treatment and abatement throughout the Assessment Area such that all property in the area benefits from a comparable reduction of mosquito levels; 3) monitoring throughout the Assessment Area to evaluate the effectiveness of no worries treatment and control and ensure that all properties are receiving the equivalent level of mosquito reduction benefits; and 4) service requests which result in District staff directly visiting, inspecting and treating property.

The services to be provided by the District would be provided throughout the Assessment Area, that is, the benefit received in the Assessment Area would be in the entire District Service Area. All property would receive benefits from the comprehensive mosquito, vector and disease monitoring, control and prevention services.

Moreover, the Services funded by the Assessment would reduce the level of mosquitoes and vectors arriving at and negatively impacting properties within the Assessment Area.

The following section, Benefit Factors, describes how the Services would specially benefit properties in the Assessment Area. These benefits are particular and distinct from their effect on property in general or the public at large.

## BENEFIT FACTORS

In order to allocate the assessments, the Engineer identified the types of special benefit arising from the Services and that would be provided to property within the Assessment Area. These types of special benefit are as follows:

### **REDUCED MOSQUITO AND VECTOR POPULATIONS ON PROPERTY AND AS A RESULT, ENHANCED DESIRABILITY, UTILITY, USABILITY AND FUNCTIONALITY OF PROPERTY IN THE ASSESSMENT AREA**

The assessment will provide new and enhanced services for the control and abatement of nuisance and disease-carrying mosquitoes, particularly the invasive yellow fever mosquito, *Aedes aegypti*, and other vectors. These Services will materially reduce the number of vectors on properties throughout the Assessment Area. The lower mosquito and vector populations on property in the Assessment Area are a direct advantage to property that will serve to increase the desirability and “usability” of property. Clearly, properties are more desirable and usable in areas with lower mosquito populations and with a reduced risk of vector-borne disease. This is a special benefit to residential, commercial, agricultural, industrial and other types of properties because all such properties will directly benefit from reduced mosquito and vector populations and properties with lower vector populations are more usable, functional and desirable.

Excessive mosquitoes and other vectors in the area can materially diminish the utility and usability of property. For example, prior to the commencement of mosquito control and abatement services, properties in many areas in the State were considered to be nearly uninhabitable during the times of year when the mosquito populations were high.<sup>1</sup> The prevention or reduction of such diminished utility and usability of property caused by mosquitoes is a clear and direct advantage and special benefit to property in the Assessment Area.

The State Legislature made the following finding on this issue:

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<sup>1</sup> Prior to the commencement of modern mosquito control services, areas in the State of California such as the San Mateo Peninsula, Napa County and areas in Marin and Sonoma Counties had such high mosquito populations that they were considered to be nearly unlivable during certain times of the year and were largely used for part-time vacation cottages that were occupied primarily during the months when the natural mosquito populations were lower.

*“Excess numbers of mosquitoes and other vectors spread diseases of humans, livestock, and wildlife, reduce enjoyment of outdoor living spaces, both public and private, reduce property values, hinder outdoor work, reduce livestock productivity; and mosquitoes and other vectors can disperse or be transported long distances from their sources and are, therefore, a health risk and a public nuisance; and professional mosquito and vector control based on scientific research has made great advances in reducing mosquito and vector populations and the diseases they transmit.”<sup>2</sup>*

Mosquitoes and other vectors emerge from sources throughout the Assessment Area, and with an average flight range of two miles, mosquitoes from known sources can reach all properties in the Assessment Area. These sources include standing water in rural areas, such as marshes, pools, wetlands, ponds, drainage ditches, drainage systems, tree holes, dairy pits, irrigation ditches, and other removable sources such as old tires and containers. The sources of mosquitoes also include numerous locations throughout the urban areas in the Assessment Area. These sources include underground drainage systems, containers, unattended swimming pools, plant trays, bird baths, pet dishes, leaks in water pipes, tree holes, flower cups in cemeteries, over-watered landscaping and lawns and many other sources. By controlling mosquitoes at known and new sources, the Services will materially reduce mosquito populations on property throughout the Assessment Area.

A known increasing source of mosquitoes is unattended swimming pools.

#### **INCREASED SAFETY OF PROPERTY IN THE ASSESSMENT AREA**

The Assessment will result in new year-round proactive Services to control and abate mosquitoes and other vectors that otherwise would occupy properties throughout the Assessment Area. Mosquitoes and other vectors are transmitters of diseases, so the reduction of mosquito and other vector populations makes property in the Assessment Area safer for use and enjoyment. In absence of the assessment, these Services would not be provided, or provided on a very limited basis, so the Services funded by the assessment make properties in the Assessment Area safer, which is a distinct special benefit to property in the Assessment Area.<sup>3</sup> This is not a general benefit to property in the Assessment Area or the public at large because the Services are tangible mosquito, vector and disease control services that will be provided directly to the properties in the Assessment Area, and the Services are over and above the baseline services that could be provided by the Delta Mosquito and Vector Control District without the assessment.

This finding was confirmed in 2003 by the State Legislature:

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<sup>2</sup> Assembly Concurrent Resolution 52, chaptered April 1, 2003.

<sup>3</sup> By reducing the risk of disease and increasing the safety of property, the Services will materially increase the usefulness and desirability of certain properties in the Assessment Area.

*“Mosquitoes and other vectors, including but not limited to, ticks, Africanized honey bees, rats, fleas, and flies, continue to be a source of human suffering, illness, death, and a public nuisance in California and around the world. Adequately funded mosquito and vector control, monitoring and public awareness programs are the best way to prevent outbreaks of West Nile Virus and other diseases borne by mosquitoes and other vectors.”<sup>4</sup>*

Also, the Legislature, in Health and Safety Code Section 2001, finds that:

*“The protection of Californians and their communities against the discomforts and economic effects of vector borne diseases is an essential public service that is vital to public health, safety, and welfare.”*

#### **REDUCTIONS IN THE RISK OF NEW DISEASES AND INFECTIONS ON PROPERTY IN THE ASSESSMENT AREA**

Mosquitoes have proven to be the major contributor to the spread of new diseases such as West Nile virus, among others. A highly mobile population combined with migratory bird patterns can introduce new mosquito-borne diseases into previously unexposed areas. With the presence of *Aedes aegypti* in the District, the spread of Dengue, Chikungunya, Zika, or Yellow fever is a major concern.

*“Vector-borne diseases (including a number that are mosquito-borne) are a major public health problem internationally. In the United States, dengue and malaria are frequently brought back from tropical and subtropical countries by travelers or migrant laborers, and autochthonous transmission of malaria and dengue occasionally occurs. In 1998, 90 confirmed cases of dengue and 1,611 cases of malaria were reported in the USA and dengue transmission has occurred in Texas.”<sup>5</sup>*

*“During 2004, 40 states and the District of Columbia (DC) have reported 2,313 cases of human WNV illness to CDC through ArboNET. Of these, 737 (32%) cases were reported in California, 390 (17%) in Arizona, and 276 (12%) in Colorado. A total of 1,339 (59%) of the 2,282 cases for which such data were available occurred in males; the median age of patients was 52 years (range: 1 month--99 years). Date of illness onset ranged from April 23 to November 4; a total of 79 cases were fatal.”<sup>6</sup> (According to the Centers for Disease Control and Prevention on January 19, 2004, a total of 2,470 human cases and 88 human fatalities from WNV have been confirmed).*

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<sup>4</sup> Assembly Concurrent Resolution 52, chaptered April 1, 2003.

<sup>5</sup> Rose, Robert. (2001). Pesticides and Public Health: Integrated Methods of Mosquito Management. Emerging Infectious Diseases. Vol. 7(1): 17-23.

<sup>6</sup> Center for Disease Control (2004). West Nile Virus Activity --- United States, November 9--16, 2004. Morbidity and Mortality Weekly Report. 53(45); 1071-1072.



More recently, Florida and Texas experienced an outbreak of the mosquito-borne Zika virus (ZIKV) in 2016 that was attributed to incoming passenger traffic from regions with ZIKV transmission:

*The high volume of traffic entering Florida from ZIKV-affected regions, especially the Caribbean, is likely to have provided a substantial supply of ZIKV-infected individuals. Because Florida is unlikely to sustain long-term ZIKV transmission, the potential for future ZIKV outbreaks in this region is dependent upon activity elsewhere. Therefore, we expect that outbreaks in Florida will cycle with ZIKV transmission dynamics in the Americas.*<sup>7</sup>

Some vector populations are highly mobile and may introduce new vector-borne diseases into previously unexposed areas:

*“Distribution of vector-borne diseases is determined by complex demographic, environmental and social factors. Global travel and trade, unplanned urbanization and environmental challenges such as climate change can impact on pathogen transmission, making transmission season longer or more intense or causing diseases to emerge in countries where they were previously unknown.”*<sup>8</sup>

Vectors, including ticks, have proven to be a major contributor to the spread of new diseases such as Lyme disease, among others.

*“In 2017, state and local health departments reported a record number of cases of tickborne disease to CDC. Cases of Lyme disease, anaplasmosis/ehrlichiosis, spotted fever rickettsiosis (including Rocky Mountain spotted fever), babesiosis, tularemia, and Powassan virus disease all increased—from 48,610 cases in 2016 to 59,349 cases in 2017. These 2017 data capture only a fraction of the number of people with tickborne illnesses. Under-reporting of all tickborne diseases is common, so the number of people actually infected is much higher.*

*This increase follows an accelerating trend of tickborne diseases reported in the United States. Between 2004 and 2016, the number of reported cases of tickborne disease doubled, and researchers discovered seven new tickborne pathogens that infect people.*<sup>9</sup>

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<sup>7</sup> Grubaugh, Nathan D. et al. (2017), Genomic epidemiology reveals multiple introductions of Zika virus into the United States. *Nature*. Vol 546(7658); 401-405.

<sup>8</sup> Vector-borne Diseases. World Health Organization. October 2017.

<https://www.who.int/news-room/fact-sheets/detail/vector-borne-diseases>

<sup>9</sup> Record Number Of Tickborne Diseases Reported in U.S. in 2017 | Cdc Online Newsroom | Cdc

<https://www.cdc.gov/media/releases/2018/s1114-record-number-tickborne-diseases.html>

A study of the effect of aerial spraying conducted by the Sacramento-Yolo Mosquito and Vector Control District (SYMVCD) to control a West Nile virus disease outbreak found that the SYMVCD's mosquito control efforts materially decreased the risk of new diseases in the treated areas:

*After spraying, infection rates decreased from 8.2 (95% CI 3.1–18.0) to 4.3 (95% CI 0.3–20.3) per 1,000 females in the spray area and increased from 2.0 (95% CI 0.1–9.7) to 8.7 (95% CI 3.3–18.9) per 1,000 females in the untreated area. Furthermore, no additional positive pools were detected in the northern treatment area during the remainder of the year, whereas positive pools were detected in the untreated area until the end of September (D.-E.A Elnaiem, unpub. data). These independent lines of evidence corroborate our conclusion that actions taken by SYMVCD were effective in disrupting the WNV transmission cycle and reducing human illness and potential deaths associated with WNV.<sup>10</sup>*

The Services funded by the assessments will help prevent, on a year-round basis, the presence of vector-borne diseases on property in the Assessment Area. This is another tangible and direct special benefit to property in the Assessment Area that would not be received, or received only minimally, in the absence of the assessments.

#### **PROTECTION OF ECONOMIC ACTIVITY ON PROPERTY IN THE ASSESSMENT AREA**

As demonstrated by the SARS outbreak in China and outbreaks of Avian Flu, outbreaks of pathogens can materially and negatively impact economic activity in the affected area. Such outbreaks and other public health threats can have a drastic negative effect on tourism, business and residential activities in the affected area. The assessments will help prevent the likelihood of such outbreaks in the Assessment Area.

Mosquitoes hinder, annoy and harm residents, guests, visitors, farm workers, and employees. A vector-borne disease outbreak and other related public health threats would have a drastic negative effect on agricultural, business, and residential activities in the Assessment Area.

The economic impact of diseases is well documented. According to a study prepared for the Centers for Disease Control and Prevention, economic losses due to the transmission of WNV in Louisiana was estimated to cost over \$20 million over approximately one year:

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<sup>10</sup> Carney, Ryan. (2008), Efficiency of Aerial Spraying of Mosquito Adulticide in Reducing the Incidence of West Nile Virus, California, 2005. Emerging Infectious Diseases, Vol 14(5).

*The estimated cost of the Louisiana epidemic was \$20.1 million from June 2002 to February 2003, including a \$10.9 million cost of illness (\$4.4 million medical and \$6.5 million nonmedical costs) and a \$9.2 million cost of public health response. These data indicate a substantial short-term cost of the WNV disease epidemic in Louisiana. <sup>11</sup>*

The economic impact of diseases is well documented. There are several published studies which have looked at the economic impact of the WNV in the United States as well as California. From 1999 to 2012, the WNV has cost the United States an estimated \$800 million in hospitalizations and lost productivity.<sup>12</sup> According to a study prepared for the Centers for Disease Control and Prevention, economic losses due to the outbreak of WNV in Sacramento County, California was estimated to cost \$2.98 million in 2005:

*In 2005, an outbreak of West Nile virus (WNV) disease occurred in Sacramento County, California; 163 human cases were reported. In response to WNV surveillance indicating increased WNV activity, the Sacramento-Yolo Mosquito and Vector Control District conducted an emergency aerial spray. We determined the economic impact of the outbreak, including the vector control event and the medical cost to treat WNV disease. WNV disease in Sacramento County cost ≈\$2.28 million for medical treatment and patients' productivity loss for both West Nile fever and West Nile neuroinvasive disease. Vector control cost ≈\$701,790, including spray procedures and overtime hours. The total economic impact of WNV was \$2.98 million. A cost-benefit analysis indicated that only 15 cases of West Nile neuroinvasive disease would need to be prevented to make the emergency spray cost-effective. <sup>13</sup>*

A study prepared for the Centers for Disease Control and Prevention, quotes that economic losses due to the transmission of WNV in the US was estimated to cost over \$778 million from 1999 to 2012:

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<sup>11</sup> Zohrabian A, Meltzer MI, Ratard R, Billah K, Molinari NA, Roy K, et al. West Nile Virus economic impact, Louisiana, 2002. Emerging Infectious Disease, 2004 Oct. Available from <http://www.cdc.gov/ncidod/EID/vol10no10/03-0925.htm>.

<sup>12</sup> Frellick, Marcia. West Nile Cost United States Nearly \$800 Million in 14 years. Medscape. 2014.

<sup>13</sup> Barber LM, Schleier JJ III, Peterson RKD. Economic cost analysis of West Nile Virus outbreak, Sacramento County, California, USA, 2005. Emerg Infect Dis 2010 16(3).

*There are no published data on the economic burden for specific West Nile virus (WNV) clinical syndromes (i.e., fever, meningitis, encephalitis, and acute flaccid paralysis [AFP]). We estimated initial hospital and lost-productivity costs from 80 patients hospitalized with WNV disease in Colorado during 2003; 38 of these patients were followed for 5 years to determine long-term medical and lost-productivity costs. Initial costs were highest for patients with AFP (median \$25,117; range \$5,385–\$283,381) and encephalitis (median \$20,105; range \$3,965–\$324,167). Long-term costs were highest for patients with AFP (median \$22,628; range \$624–\$439,945) and meningitis (median \$10,556; range \$0–\$260,748). Extrapolating from this small cohort to national surveillance data, we estimated the total cumulative costs of reported WNV hospitalized cases from 1999 to 2012 to be \$778 million (95% confidence interval \$673 million–\$1.01 billion). These estimates can be used in assessing the cost-effectiveness of interventions to prevent WNV disease.*<sup>14</sup>

Moreover, a study conducted in 1996-97 of La Crosse Encephalitis (LACE), a human illness caused by a mosquito-transmitted virus, found a lifetime cost per human case at \$48,000 to \$3,000,000 and found that the disease significantly impacted lifespans of those who were infected. Following is a quote from the study which references the importance and value of active vector control services of the type that would be funded by the assessments:

*The socioeconomic burden resulting from LACE is substantial, which highlights the importance of the illness in western North Carolina, as well as the need for active surveillance, reporting, and prevention programs for the infection.*<sup>15</sup>

The Services to be funded by the assessments will help prevent the likelihood of such outbreaks on property in the Assessment Area, and will reduce the harm to economic activity on property caused by existing mosquito populations and other vectors. This is another direct advantage in the Assessment Area that would not be received, or received minimally, in absence of the assessments.

#### **PROTECTION OF THE ASSESSMENT AREA'S TOURISM AND BUSINESS INDUSTRIES**

The tourism and business industries in the Assessment Area will benefit from reduced levels of harmful or nuisance mosquitoes and other vectors. Conversely, any outbreaks of endemic

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<sup>14</sup> Initial and Long-Term Costs of Patients Hospitalized with West Nile Virus Disease. Arboviral Diseases Branch, Centers for Disease Control and Prevention, Fort Collins, Colorado; Prion and Health Office, Centers for Disease Control and Prevention, Atlanta, Georgia; Division of Preparedness and Emerging Infections, Centers for Disease Control and Prevention, Atlanta, Georgia. J. Erin Staples, Manjunath Shankar, James J. Sejvar, Martin I. Meltzer, and Marc Fischer. J. Erin Staples, Arboviral Diseases Branch, Centers for Disease Control and Prevention, 3150 Rampart Road, Fort Collins, CO 80521. E-mail: AUV1@cdc.gov.

<sup>15</sup> Utz, J. Todd, Apperson, Charles S., McCormack, J. Newton, Salyers, Martha, Dietz, E. Jacquelin, Mcpherson, J. Todd, Economic And Social Impacts Of La Crosse Encephalitis In Western North Carolina, Am J Trop Med Hyg 2003 69: 509-518.

vector-borne pathogens such as West Nile virus, Dengue, Chikungunya, and Zika viruses could also materially negatively affect these industries. Diseases transmitted by mosquitoes and other vectors can adversely impact business and recreational functions.

*A study prepared for the United States Department of Agriculture in 2003 found that over 1,400 horses died from West Nile Virus in Colorado and Nebraska and that these fatal disease cases created over \$1.2 million in costs and lost revenues. In addition, horse owners in these two states spent over \$2.75 million to vaccinate their horses for this disease. The study states that “Clearly, WNV has had a marked impact on the Colorado and Nebraska equine industry.”<sup>16</sup>*

*Pesticides for mosquito control impart economic benefits to agriculture in general. Anecdotal reports from farmers and ranchers indicate that cattle, if left unprotected, can be exsanguinated by mosquitoes, especially in Florida and other southeast coastal areas. Dairy cattle produce less milk when bitten frequently by mosquitoes<sup>17</sup>*

The assessments will serve to protect the businesses and industries in the Assessment Area. This is a direct advantage and special benefit to property in the Assessment Area.

#### **REDUCED RISK OF NUISANCE AND LIABILITY ON PROPERTY IN THE ASSESSMENT AREA**

In addition to health related factors, uncontrolled mosquito and vector populations create a nuisance for residents, employees, customers, tourists, farm workers and guests in the Assessment Area. Properties in the Assessment Area benefit from the reduced nuisance factor that will be created by the Services. Agricultural and rangeland properties also benefit from the reduced nuisance factor and harm to livestock and employees from lower mosquito and vector populations.

Agricultural, range, golf course, cemetery, open space and other such lands in the Assessment Area contain large areas of mosquito and vector habitat and are therefore a significant source of mosquito and vector populations. In addition, residential and business properties in the Assessment Area can also contain significant sources.<sup>18</sup> It is conceivable that sources of mosquitoes could be held liable for the transmission of diseases or other harm. For example, in August 2004, the City of Los Angeles approved new fines of up to \$1,000 per day for property owners who do not remove standing water sources of mosquitoes on their property.

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<sup>16</sup> S. Geiser, A. Seitzinger, P. Salazar, J. Traub-Dargatz, P. Morley, M. Salman, D. Wilmot, D. Steffen, W. Cunningham, Economic Impact of West Nile Virus on the Colorado and Nebraska Equine Industries: 2002, April 2003, Available from [http://www.aphis.usda.gov/vs/ceah/cnabs/nahms/equine/wnv2002\\_CO\\_NB.pdf](http://www.aphis.usda.gov/vs/ceah/cnabs/nahms/equine/wnv2002_CO_NB.pdf).

<sup>17</sup> Jennings, Allen. (2001). USDA Letter to EPA on Fenthion IRED. United States Department of Agriculture, Office of Pest Management Policy. March 8, 2001.

<sup>18</sup> Sources of mosquitoes on residential, business, agricultural, range and other types of properties include removable sources such as containers that hold standing water.

The Services to be provided by the District will reduce the mosquito and vector related nuisance and health liability to properties in the Assessment Area. The reduction of that risk of liability constitutes a special benefit to property in the Assessment Area and this special benefit would not be received, or only received minimally, in absence of the Services funded by the assessments.

#### **IMPROVED MARKETABILITY OF PROPERTY**

As described previously, the Services will specially benefit properties in the Assessment Area by making them more useable, livable and functional. The Services also make properties in the Assessment Area more desirable, and more desirable properties also benefit from improved marketability. This is another tangible special benefit to certain property in the Assessment Area which will not be enjoyed in absence of the Services.<sup>19</sup>

#### **BENEFIT FINDING**

In summary, the special benefits described in this Report and provision of Services to the Assessment Area (“enhanced level of service”) would directly benefit and protect the real properties in the Assessment Area in excess of the assessments for these properties. Therefore, the Assessment Engineer finds that the cumulative special benefits to property from the Services are reasonably equal to or greater than the assessment of \$12.50 per benefit unit or Single Family Equivalent (“SFE”) for Zone A, and \$6.25 per SFE for Zone B. (Figure 3 – Cost Estimate). These rates per SFE generate revenues of \$1,023,569 which is the amount needed to fund the District’s budget total of \$3,719,403 less the District contribution of \$2,973,905. Further, the Engineer has judged that the special benefit to each parcel reasonably exceeds the sum of all dedicated taxes and assessments imposed on each parcel.

#### **GENERAL VS. SPECIAL BENEFIT**

Article XIIC of the California Constitution requires any local agency proposing to increase or impose a benefit assessment to “separate the general benefits from the special benefits conferred on a parcel.” The rationale for separating special and general benefits is to ensure that property owners subject to the benefit assessment are not paying for general benefits. The assessment can fund the special benefits to property in the assessment area but cannot fund any general benefits. Accordingly, a separate estimate of the special and general benefit is given in this section.

In other words:

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<sup>19</sup> If one were to compare two hypothetical properties with similar characteristics, the property with lower mosquito infestation and reduced risk of vector-borne disease will clearly be more desirable, marketable and usable.

$$\text{Total Benefit} = \text{General Benefit} + \text{Special Benefit}$$

There is no widely accepted or statutory formula for general benefit from vector control services. General benefits are benefits from improvements or services that are not special in nature, are not "particular and distinct" and are not "over and above" benefits received by other properties. General benefits are conferred to properties located "in the district," but outside the narrowly-drawn Assessment Area and to "the public at large." General benefits provide "an indirect, derivative advantage" and are not necessarily proximate to the improvements and services funded by the assessments.

A formula to estimate the general benefit is listed below:

$$\text{General Benefit} = \text{Benefit to Real Property Outside the Assessment Area} + \text{Benefit to Real Property Inside the Assessment Area that is Indirect and Derivative} + \text{Benefit to the Public at Large}$$

Special benefit, on the other hand, is defined in the state constitution as "a particular and distinct benefit over and above general benefits conferred on real property located in the district or to the public at large." A special benefit is conferred to a property if it "receives a direct advantage from the improvement (e.g., proximity to a park)." In this assessment, the overwhelming proportion of the benefits conferred to property is special, since the advantages from the mosquito, vector and disease protection funded by the Assessments are directly received by the properties in the Assessment Area and are only minimally received by property outside the Assessment Area or the public at large.

Proposition 218 twice uses the phrase "over and above" general benefits in describing special benefit. (Art. XIID, sections 2(i) & 4(f).) Significantly, without this assessment, only the existing, minimal, diminishing and inconsistent baseline services would be provided. The majority of the Services to be funded by the assessment therefore would be a special benefit because the Services would particularly and distinctly benefit and protect the Assessment Area over and above the minimal baseline benefits and service. However, some of the Services could benefit the public at large and properties outside the Assessment Area. In this report, the general benefit is conservatively estimated and described, and then budgeted so that it is funded by sources other than the assessment.

The Assessments described in this Engineer's Report fund mosquito, vector and disease control services directly provided to property in the Assessment Area. Moreover, as noted in this Report, the Services directly reduce mosquito and vector populations on all property in the Assessment Area. Therefore, in this report, the general benefit is conservatively estimated and described, and then budgeted so that it is funded by sources other than the assessment.

## **CALCULATING GENERAL BENEFIT**

Without the new assessment the District would be unable to continue to provide same level of Services. The District has determined that all parcels in the Assessment Area would receive a shared direct advantage and special benefit from the Services. The Services would directly and particularly serve and benefit each parcel, and would not be a mere indirect, derivative advantage. As explained earlier, Proposition 218 relies on the concept of “over and above” in distinguishing special benefits from general benefits. As applied to an assessment proceeding the baseline general benefits are minimal and that the majority of the vector control services, which provide direct advantage to property in the Assessment Area, are over and above the baseline and therefore are special.

Nevertheless, the Services may provide a degree of general benefit, in addition to the predominant special benefit. This section provides a conservative measure of the general benefits from the Assessments.

### **BENEFIT TO PROPERTY OUTSIDE THE DISTRICT SERVICE AREA**

Properties within the Assessment Area receive almost all of the special benefits from the Services because the Services funded by the Assessments will be provided directly to protect property within the Assessment Area from mosquitoes, vectors and vector-borne diseases. However, properties adjacent to, but just outside of, the boundaries may receive some benefit from the Services in the form of reduced mosquito populations on property outside the Assessment Area. Since this benefit is conferred to properties outside the District boundaries, it contributes to the overall general benefit calculation and will not be funded by the assessment.

A measure of this general benefit is the proportion of Services that would affect properties outside of the Assessment Area. Each year, the District will provide some of its Services in areas near the boundaries of the Assessment Area. By abating mosquito populations near the borders of the Assessment Area, the Services could provide benefits in the form of reduced mosquito populations and reduced risk of disease transmission to properties outside the Assessment Area. If mosquitoes were not controlled inside the Assessment Area, more of them would fly from the Assessment Area. Therefore, control of mosquitoes within the Assessment Area provides some benefit to properties outside the Assessment Area but within the normal travel range of vectors, in the form of reduced mosquito populations and reduced vector-borne disease transmission. This is a measure of the general benefits to property outside the Assessment Area because this is a benefit from the Services that is not specially conferred upon property in the assessment area.

The mosquito potential outside the Assessment Area is based on studies of mosquito dispersion concentrations. Based upon a 2003 study in Santa Cruz County average concentration of mosquitoes from the Assessment Area on properties within two miles of the



Assessment Area is calculated to be 6%.<sup>20</sup> This relative vector population reduction factor within the destination range is combined with the number of parcels outside the Assessment Area and within the destination range to measure this general benefit. This is calculated as follows:

**CRITERIA:**

THERE ARE 18,695 PARCELS WITHIN TWO MILES OF, BUT OUTSIDE OF THE ASSESSMENT AREA, THAT MAY RECEIVE SOME MOSQUITO, VECTOR AND DISEASE PROTECTION BENEFIT

6 % PORTION OF RELATIVE BENEFIT THAT IS RECEIVED (FROM STUDY)

THERE ARE 80,943 PARCELS IN THE ASSESSMENT AREA

**CALCULATIONS:**

TOTAL BENEFIT = 18,695 PARCELS X 6% = 1,122 PARCEL EQUIVALENTS

PERCENTAGE OF OVERALL PARCEL EQUIVALENTS = 1,122 / 80,943 = 1.39%

Therefore, for the overall benefit provided by the Services and Improvements to the Assessment District, it is determined that 1.39% of the benefits would be recognized by the parcels within two miles of the Assessment District boundaries. Recognizing that this calculation is an approximation, this benefit will be rounded up to 1.5%.

**BENEFIT TO PROPERTY *INSIDE THE ASSESSMENT AREA THAT IS INDIRECT AND DERIVATIVE***

The “indirect and derivative” benefit to property within the Assessment Area is particularly difficult to calculate. As explained earlier, all benefit within the Assessment Area is special because the mosquito, vector and disease control services in the Assessment Area would provide direct service and protection that is clearly “over and above” and “particular and distinct” when compared with the minimal level of services under current conditions. Further, the properties are within the Assessment Area boundaries and this Engineer’s Report demonstrates the direct benefits received by individual properties from mosquito, vector and disease testing and control services.

The Engineer has drawn the Assessment Area to include parcels that will directly receive the Services. (There are a small number of parcels within the District Boundary that do not receive special benefit such as certain right of way parcels, etc.) All parcels within the District boundaries will directly benefit from the surveillance, monitoring and treatment that will be provided on an equivalent basis throughout the Assessment Area in order to maintain the same improved level of protection against mosquitoes and reduced mosquito populations throughout the area. The surveillance and monitoring sites would be spread on a balanced basis throughout the area. Mosquito and vector control and treatment would be provided as needed throughout the area based on the surveillance and monitoring results. The shared

<sup>20</sup> Tietze, Noor S., Stephenson, Mike F., Sidhom, Nader T. and Binding, Paul L., “Mark-Recapture of *Culex Erythrothorax* in Santa Cruz County, California”, Journal of the American Mosquito Control Association, 19(2):134-138, 2003.

special benefit - reduced mosquito and vector levels and reduced presence of vector-borne diseases - would be received on an equivalent basis by all parcels in the Assessment Area.

Furthermore, all parcels in the Assessment Area would directly benefit from the ability to request service from the District and to have a District field technician promptly respond directly to the parcel and address the owner's or resident's service need. The fact that a benefit is conferred throughout the assessment area does not make the benefit general rather than special, so long as the assessment area is narrowly drawn and limited to the parcels directly receiving shared special benefits from the service. This concept is particularly applicable in situations involving a landowner-approved assessment-funded extension of a local government service to benefit lands previously not receiving that particular service or receiving only minimal services.

Hence, other than the small general benefit to properties outside the Assessment Area (discussed earlier) and to the public at large (discussed later), all of the benefits of the Services to the parcels within the Assessment Area are special benefits, and it is not possible or appropriate to separate any indirect or derivative general benefits from the total benefits conferred on parcels in the Assessment Area.

#### **BENEFIT TO THE PUBLIC AT LARGE**

With the type and scope of Services to be provided to the Assessment Area, it is very difficult to calculate and quantify the scope of the general benefit conferred on the public at large. Because the Services directly serve and benefit all of the property in the Assessment Area, any general benefit conferred on the public at large would be small. Nevertheless, there would be some indirect general benefit to the public at large.

The public at large uses the public highways, streets and sidewalks, and when traveling in and through the Assessment Area they will benefit from the Services. A fair and appropriate measure of the general benefit to the public at large therefore is the amount of highway, street and sidewalk area within the Assessment Area relative to the overall land area. An analysis of maps of the Assessment Area shows that approximately 3.5% of the land area in the Assessment Area is covered by highways, streets and sidewalks. This 3.5% therefore is a fair and appropriate measure of the general benefit to the public at large within the Assessment Area.

#### **SUMMARY OF GENERAL BENEFITS**

Using a sum of the measures of general benefit for the public at large and land outside the Assessment Area, we find that approximately 5.00% of the benefits conferred by the Improved Mosquito, Vector and Disease Testing and Control Assessment may be general in nature and should be funded by sources other than the assessment.

### General Benefit Calculation

	<b>1.50%</b>	<b>(Outside the Assessment Area)</b>
<b>+</b>	<b>0.00%</b>	<b>(Inside the Assessment Area – Indirect and Derivative)</b>
<b>+</b>	<b>3.50%</b>	<b>(Public at Large)</b>
<b>=</b>	<b>5.00%</b>	<b>(Total General Benefit)</b>

The estimated cost of the Services is \$3,222,387. Of this total budget amount, the District must contribute at least \$161,119 (5%) from sources other than the Mosquito, Vector and Disease Control Assessment. The District will contribute \$2,196,859 from sources other than the Improved Mosquito and Disease Testing and Control Assessment, which totals over 77% of the total budget. This contribution more than offsets any general benefits from the Improved Mosquito, Vector and Disease Testing and Control Assessment Services.

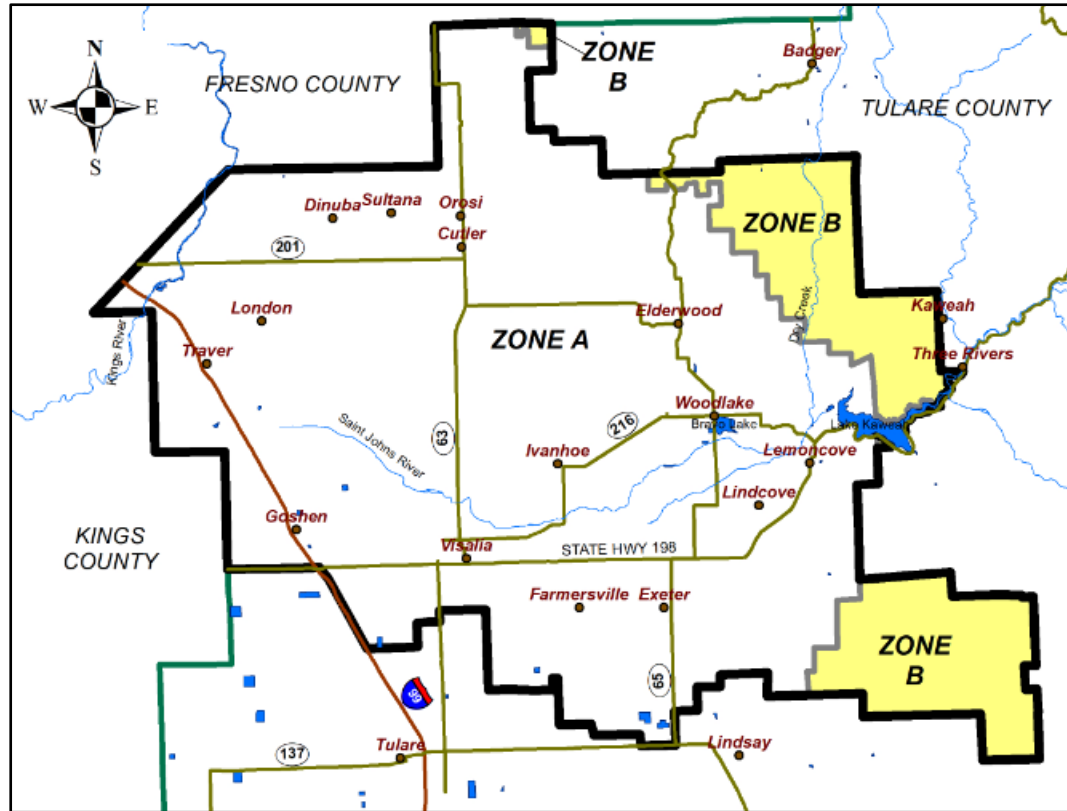
### ZONES OF BENEFIT

The District's mosquito, vector, and disease control programs, projects, services and improvements that will be funded by the Improved Mosquito and Disease Testing and Control Assessment will be provided in all areas within the District boundaries.

Since the Services and Improvements will be provided throughout the District and will result in reduced vector populations and the other special benefits for property in the District, the boundaries of the Assessment Area have been drawn to match the boundaries of the District. Moreover, within the Assessment Area, certain areas will receive different levels of special benefits. These areas, which are named "Zones of Benefit," are described as follows.

The majority of the properties in the Assessment District will receive equal levels of Services and Improvements and therefore equal levels of benefits. The areas that will receive the full level of Services and Improvements were carefully drawn to be within Zone A. Relative to Zone A, there are some areas in the eastern part of the District that are remotely located and sparsely populated, and have been identified to receive reduced level of Services and Improvements and corresponding benefits relative to other parcels in the District. These areas are hereinafter referred to as Zone of Benefit B or Zone B and are depicted on the Assessment Diagram included with this Report. All other parcels within the District boundaries are within Zone of Benefit A or Zone A.

The Zones of Benefit are shown in the following graphic:



The boundaries of the two Zones of Benefit have been carefully drawn. Zone of Benefit A includes the properties in the District that would receive the full level of Services and Improvements and the full level of benefits. Such parcels are in areas with a material population of people, pets and livestock on the property.

Zone of Benefit B contains the properties in the far eastern portions of the District that receive a reduced level of Services and Improvements and corresponding benefits relative to other parcels in the District because these properties are generally in more remote, mountainous or inaccessible areas, and they support less population. In other words, the boundaries of the two Zones of Benefit within the Assessment Area have been narrowly and specifically drawn to include properties that will specially benefit from the mosquito and vector control services at two different levels.

Using District estimates for the amount of Services and Improvements provided to these parcels located in Zone of Benefit B (Zone B) relative to the level of Services and Improvements in Zone of Benefit A (Zone A), we find that parcels in Zone B receive approximately one-half of the average level of Services and Improvements and benefits provided to other parcels in the District (Zone A). Therefore, parcels in Zone B receive 50% of the assessment rate per benefit unit. Zone B will be subject to reduced assessments, commensurate with the different benefit level.

## METHOD OF ASSESSMENT

As previously discussed, the assessment will fund comprehensive, year-round mosquito and vector control and disease surveillance and control Services that will clearly confer special benefits to properties in the Assessment Area. These benefits can partially be measured by the property owners, guests, employees, tenants, pets and animals who will enjoy a more habitable, safer and more desirable place to live, work or visit. As noted, these benefits ultimately flow to the underlying property.

Therefore, the apportionment of benefit is partially based on people who potentially live on, work at, or otherwise use the property. This methodology of determining benefit to property through the extent of use by people is a commonly used method of apportionment of benefits from assessments.

Moreover, assessments have a long history of use in California and are in large part based on the principle that any benefits from a service or improvement funded by assessments that is enjoyed by tenants and other non-property owners ultimately is conferred to the underlying property.

With regard to benefits and source locations, the Assessment Engineer determined that since mosquitoes readily fly from their breeding locations to all properties in their flight range and since mosquitoes are actually attracted to properties occupied by people or animals, the benefits from mosquito and vector control extend beyond the source locations to all properties that would be a "destination" for mosquitoes and other vectors. In other words, the control and abatement of mosquito and vector populations ultimately confers benefits to all properties that are a destination of mosquitoes and vectors, rather than just those that are sources of mosquitoes.

Although some primary mosquito sources may be located outside of residential areas, residential properties can and do generate their own, often significant, populations of mosquitoes and vector organisms. For example, storm water catch basins in residential areas in the Assessment Area are a common source of mosquitoes. Moreover, there are many other common residential sources of mosquitoes, such as plant trays, bird baths, pet dishes and other miscellaneous backyard containers, neglected swimming pools, leaking water pipes and tree holes. Clearly, there is a potential for mosquito sources on virtually all property. More importantly, all properties in the Assessment Area are within the destination range of mosquitoes and most properties are actually within the destination range of multiple mosquito source locations.

Because the Services will be provided throughout the Assessment Area with the same level of control objective, mosquitoes can rapidly and readily fly from their breeding locations to other properties over a large area, and there are current or potential breeding sources throughout the Assessment Area, the Assessment Engineer determined that all similar properties in the Assessment Area have generally equivalent mosquito "destination" potential and, therefore, receive equivalent levels of benefit (except as noted earlier for Zone B).

In the process of determining the appropriate method of assessment, the Engineer considered various alternatives. For example, a fixed assessment amount per parcel for all residential improved property was considered but was determined to be inappropriate because agricultural lands, commercial property and other property also receive benefits from the assessments. Likewise, an assessment exclusively for agricultural land was considered but deemed inappropriate because other types of property, such as residential and commercial, also receive the special benefit factors described previously.

A fixed or flat assessment was deemed to be inappropriate because larger residential, commercial and industrial properties receive a higher degree of benefit than other similarly used properties that are significantly smaller. (For properties used for commercial purposes, there is clearly a higher benefit provided to a property that covers several acres in comparison to a smaller commercial property that is on a 0.20 acre site. The larger property generally has a larger coverage area and higher usage by employees, customers, tourists and guests that would benefit from reduced mosquito and vector populations, as well as the reduced threat from diseases carried by mosquitoes and other vectors. This benefit ultimately flows to the property.) Larger commercial, industrial and apartment parcels, therefore, receive an increased benefit from the assessments.

In conclusion, the Assessment Engineer determined that the appropriate method of assessment apportionment should be based on the type and use of property, the relative size of the property, its relative population, and usage potential and its destination potential for mosquitoes. This method is further described later.

## **ASSESSMENT APPORTIONMENT**

The special benefits derived from the Improved Mosquito, Vector and Disease Testing and Control Assessment are conferred on property and are not based on a specific property owner's occupancy of property or the property owner's demographic status, such as age or number of dependents. However, it is ultimately people who do or could use the property and who enjoy the special benefits described earlier. The opportunity to use and enjoy property within the Assessment Area without the excessive nuisance, diminished "livability" or the potential health hazards brought by mosquitoes and the diseases they carry is a special benefit to properties in the Assessment Area. This benefit can be in part measured by the number of people who potentially live on, work at, visit or otherwise use the property, because people ultimately determine the value of the benefits by choosing to live, work and/or recreate in the area, and by choosing to purchase property in the area.<sup>21</sup>

In order to apportion the cost of the Services to property, each property in the Assessment Area is assigned a relative special benefit factor. This process involves determining the relative benefit received by each property in relation to a single-family home, or, in other words, on the basis of Single Family Equivalents (SFE). This SFE methodology is commonly used to distribute assessments in proportion to estimated special benefit. For the purposes

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<sup>21</sup> Benefits conferred upon property are related to the average number of people who could potentially live on, work at or otherwise could use a property, not how the property is currently used by the present owner.

of this Engineer's Report, all properties are designated an SFE value, which is each property's relative benefit in relation to a "benchmark" parcel in the Assessment Area. The "benchmark" property is the single family detached dwelling on a parcel of less than one acre. This benchmark parcel is assigned one Single Family Equivalent benefit unit or one SFE.

The special benefit conferred upon a specific parcel is derived as a sum function of the applicable special benefit type, such as improved safety on a parcel (i.e., disease risk reduction) and a parcel-specific attributes (such as the number of residents living on the parcel) which supports that special benefit. Calculated special benefit increases accordingly with an increase in the product of special benefit type and supportive parcel-specific attribute.

The calculation of the special benefit for parcels in the Assessment Area from the Services is summarized in the following equation:

$$\text{Special Benefit (per parcel)} = \sum f(\text{Special Benefits, Property Specific Attributes}^1)_{(\text{per parcel})}$$

<sup>1</sup>. Such as use, property type, and size.

### RESIDENTIAL PROPERTIES

Certain residential properties in the Assessment Area that contain a single residential dwelling unit and are on a lot of less than or equal to one acre are assigned one Single Family Equivalent or 1.0 SFE. Traditional houses, zero-lot line houses, town homes, and secured mobile homes on a separate parcel (not in a mobile home park) are included in this category of single-family residential property.

Single family residential properties in excess of one acre receive additional benefit relative to a single-family home on up to one acre, because the larger parcels provide more area for mosquito sources and the mosquito, vector and disease control Services. Therefore, such larger parcels receive additional benefits relative to a single family home on less than one acre and are assigned 1.0 SFE for the residential unit and an additional rate equal to the agricultural rate described below of 0.0021 SFE per quarter acre of land area in excess of one acre. Mobile home parcels on a separate parcel and in excess of one acre also receive this additional acreage rate.

Other types of properties with residential units, such as agricultural properties, are assigned the residential SFE rates for the dwelling units on the property and are assigned additional SFE benefit units for the agricultural-use land area on the property.

Properties with more than one residential unit are designated as multi-family residential properties. These properties, along with condominiums, benefit from the Services in proportion to the number of dwelling units that occupy each property, the average number of people who reside in each property, and the average size of each property in relation to a single-family home in the Assessment Area. This Report analyzed the District's population density factors from the US Census updated through 2019 (which is the most recent data

available at the present time) as well as average dwelling unit size for each property type. After determining the Population Density Factor and Square Footage Factor for each property type, an SFE rate is generated for each residential property structure, as indicated in Figure 4 below.

An SFE factor of 0.82 is applied to condominium parcels. The 0.44 per dwelling unit for multi-family residential properties applies to such properties with two to four units (duplex, triplex, fourplex). Properties in excess of five (5) units typically offer on-site management, monitoring and other control services that tend to offset some of the benefits provided by the District's Improved Mosquito, Vector and Disease Testing and Control Assessment. Therefore, the benefit for properties in excess of five (5) units is determined to be 0.38 SFE per unit for the first 20 units and 0.10 SFE per each additional unit in excess of 20 dwelling units.

**FIGURE 2 – RESIDENTIAL ASSESSMENT FACTORS**

Type of Residential Property	Pop. Density Equivalent	SqFt Factor	SFE Factor
Single Family Residential	1.00	1.00	<b>1.00</b>
Condominium	1.07	0.76	<b>0.82</b>
Duplex, Triplex, Fourplex	0.84	0.52	<b>0.44</b>
Multi-Family Residential (5+ Units)	0.77	0.49	<b>0.38</b>
Mobile Home on Separate Lot	0.86	0.75	<b>0.65</b>

Source: 2019 Census, Tulare County, and property dwelling size information from the Tulare County Assessor's Office.

### COMMERCIAL AND INDUSTRIAL PROPERTIES

Commercial and industrial properties are generally open and operated for more limited times, relative to residential properties. Therefore, the relative hours of operation can be used as a measure of benefits, since employee density also provides a measure of the relative benefit to property. Since commercial and industrial properties are typically open and occupied by employees approximately one-half the time of residential properties, it is reasonable to assume that commercial land uses receive one-half of the special benefit on a land area basis relative to single family residential property.

The average size of a single-family home with 1.0 SFE factor in the Assessment Area is 0.25 acres. Therefore, a commercial property with 0.25 acres receives one-half the relative benefit, or a 0.50 SFE factor.

The SFE values for various commercial and industrial land uses are further defined by using average employee densities because the special benefit factors described previously are also related to the average number of people who work at commercial/industrial properties.



To determine employee density factors, this Report utilizes the findings from the San Diego County Association of Governments Traffic Generators Study (the "SANDAG Study") because these findings were approved by the State Legislature which determined the SANDAG Study to be a good representation of the average number of employees per acre of land area for commercial and industrial properties. As determined by the SANDAG Study, the average number of employees per acre for commercial and industrial property is 24. As presented in the following Figure, the SFE factors for other types of businesses are determined relative to their typical employee density in relation to the average of 24 employees per acre of commercial property.

Commercial and industrial properties in excess of 5 acres generally involve uses that are more land intensive relative to building areas and number of employees (lower coverage ratios). As a result, the benefit factors for commercial and industrial property land area in excess of 5 acres is determined to be the SFE rate per fifth acre for the first 5 acres and the relevant SFE rate per each additional acre over 5 acres. Institutional properties that are used for residential, commercial or industrial purposes are also assessed at the appropriate residential, commercial or industrial rate. Properties with commercial/office and residential mixed uses (i.e., commercial uses on the bottom floor and apartments on the upper floors) may be assessed for both uses for the parcel.

Self-storage and golf course property benefit factors are similarly based on average usage densities. The following Figure lists the benefit assessment factors for such business properties.

#### **AGRICULTURAL, VINEYARDS, DRY RANGELAND, CEMETERY AND GOLF COURSE PROPERTIES**

Utilizing research and agricultural employment reports from UC Davis, the California Employment Development Department and other sources, this Report calculated an average usage density of 0.05 people per acre for agriculture property, 0.01 for rangelands and timber, 1.2 for cemeteries, and 3.0 for golf courses. Since these properties typically are a source of mosquitoes and vectors and/or are typically closest to other sources of mosquitoes and other vectors, it is reasonable to determine that the benefit to these properties is twice the usage density ratio of commercial and industrial properties. The SFE factors per 0.25 acres of land area, after adjustment for the usage density, are shown in the following Figure 5.

**FIGURE 3 – COMMERCIAL/INDUSTRIAL BENEFIT ASSESSMENT FACTORS**

Type of Commercial/Industrial Land Use	Average Employees Per Acre <sup>1</sup>	SFE Units per Fraction Acre <sup>2</sup>	SFE Units per Acre After 5
Commercial	24	<b>0.500</b>	0.500
Office	68	<b>1.420</b>	1.420
Shopping Center	24	<b>0.500</b>	0.500
Industrial	24	<b>0.500</b>	0.500
Self Storage or Parking Lot	1	<b>0.021</b>	
Wineries <sup>3</sup>	12	<b>0.250</b>	
Golf Course	3	<b>0.033</b>	
Cemeteries	1.20	<b>0.050</b>	
Agriculture / Vineyards	0.05	<b>0.00210</b>	
Timberland / Dry Rangeland	0.01	<b>0.00042</b>	

1. Source: San Diego Association of Governments Traffic Generators Study, University of California, Davis and other studies and sources.

2. The SFE factors for commercial and industrial parcels indicated above are applied to each quarter acre of land area or portion thereof. Additional acres over five for commercial, office, shopping center and industrial parcels are calculated per acre or portion thereof. (Therefore, the minimum assessment for any assessable parcel in these categories is the SFE Units listed herein.)

### **VACANT PROPERTIES**

The benefit to vacant properties is determined to be proportional to the corresponding benefits for similar type developed properties. However, vacant properties are assessed at a lower rate due to the lack of active benefits, as measured by use by residents, employees, customers, and guests. A measure of the benefits accruing to the underlying land is the average value of land in relation to improvements for developed property. An analysis of the assessed valuation data from the Tulare County found that 34% of the assessed value of improved property is classified as land value. Since vacant properties have very low to zero population/use densities until they are developed, a 50% benefit discount is applied to the valuation factor of 0.34 to account for the current low use density and potential for harm or nuisance to the property owner or his or her residents, employees, customers and guests. The combination of these measures results in a 0.20 factor. It is reasonable to assume, therefore, that approximately 20% of the benefits are related to the underlying land and 80% are related to the day-to-day use of the property. Using this ratio, the SFE factor for vacant parcels is 0.20 per parcel.

It must be noted that in future years, the SFE factors for properties in the Service Area will be reviewed and updated to reflect changes in land use – i.e., vacant land that has been developed, residential land that has been rezoned to commercial – for assessment calculation purposes.

### **OTHER PROPERTIES**

Article XIIID stipulates that publicly owned properties must be assessed unless those properties are reasonably determined to receive no special benefit from the assessment.

All properties that are specially benefited are assessed. Publicly owned property that is used for purposes similar to private residential, commercial, industrial, agricultural or institutional uses is benefited and assessed at the same rate as such privately owned property.

Miscellaneous, small and other parcels such as roads, right-of-way parcels, and common areas typically do not generate significant numbers of employees, residents, customers or guests and have limited economic value. These miscellaneous parcels receive minimal benefit from the Services and are assessed an SFE benefit factor of 0.

### **DURATION OF ASSESSMENT**

The assessment ballot proceeding authorized the Assessment to be levied for fiscal year 2021-22 and every year thereafter, so long as mosquitoes and other vectors remain in existence and the Delta Mosquito and Vector Control District requires funding from the Assessment for its Services in the Assessment Area. As noted previously, if the Assessment and the duration of the Assessment are approved by property owners in an assessment ballot proceeding, the Assessment can be levied annually after the Delta Mosquito and Vector Control District Board of Trustees approves an annually updated Engineer's Report, budget for the Assessment, Services to be provided, and other specifics of the Assessment. In addition, Board of Trustees must hold an annual public hearing to continue the Assessment.

**APPEALS AND INTERPRETATION**

Any property owner who feels that the Assessment levied on the subject property is in error as a result of incorrect information being used to apply the foregoing method of assessment, may file a written appeal with the Manager of the Delta Mosquito and Vector Control District or his or her designee. Any such appeal is limited to correction of an assessment during the then current fiscal year or, if before July 1, the upcoming fiscal year. Upon the filing of any such appeal, the District Manager or his or her designee will promptly review the appeal and any information provided by the property owner. If the District Manager or his or her designee finds that the assessment should be modified, the appropriate changes shall be made to the Assessment Roll. If any such changes are approved after the Assessment Roll has been filed with Tulare County for collection, the District Manager or his or her designee is authorized to refund to the property owner the amount of any approved reduction. Any dispute over the decision of the District Manager, or his or her designee, shall be referred to the District Board of Trustees. The decision of the District Board of Trustees shall be final.

## ASSESSMENT

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**WHEREAS**, the Delta Mosquito and Vector Control District Board of Trustees contracted with the undersigned Engineer of Work to prepare and file a report presenting an estimate of costs of Services, a diagram for the benefit assessment for the Assessment Area, an assessment of the estimated costs of Services, and the special and general benefits conferred thereby upon all assessable parcels within the Assessment Area,

**NOW THEREFORE**, the undersigned, by virtue of the power vested in me under Article XIID of the California Constitution, the Government Code, the Health and Safety Code, and the order of Delta Mosquito, Vector, and Disease Control District Board of Trustees, I hereby make the following determination of an assessment to cover the portion of the estimated cost of the Services, and the costs and expenses incidental thereto to be paid by the Mosquito, Vector and Disease Control Assessment.

The District's Mosquito, Vector, and Disease Control Program has evaluated and estimated the costs of extending and providing the Services to the Assessment Area. The estimated costs are summarized in Figure 3 and detailed in Figure 6 below.

The amount to be paid for the Services and the expenses incidental thereto, to be paid by the Delta Mosquito, Vector, and Disease Control Program for fiscal year 2022-23 is generally as follows:

**FIGURE 4 – SUMMARY COST ESTIMATE – FY 2022-23 BUDGET**

Total Mosquito Control Services and Related Expenditures	\$1,025,528
Total Incidental Costs	\$145,819
Total Contributions from other Sources	(\$2,196,859)
Total Mosquito, Vector and Disease Control Services and Incidentals	(\$1,025,512)
Budget Allocation to Property	\$1,025,528

An Assessment Diagram is hereto attached and made a part hereof showing the exterior boundaries of the Assessment Area. The distinctive number of each parcel or lot of land in the Assessment Area is its Assessor Parcel Number appearing on the Assessment Roll.

I do hereby determine and apportion the net amount of the cost and expenses of the Services, including the costs and expenses incidental thereto, upon the parcels and lots of land within the Improved Mosquito, Vector and Disease Testing and Control Assessment, in accordance with the special benefits to be received by each parcel or lot, from the Services, and more particularly set forth in this Engineer's Report.

The assessment determination is made upon the parcels or lots of land within the Assessment Area in proportion to the special benefits to be received by the parcels or lots of land, from the Services.

The assessment is subject to an annual adjustment tied to the Western Region's Pacific Division Consumer Price Index for All Urban Consumers (CPI-U), as of December of each succeeding year ("CPI"), with a maximum annual adjustment not to exceed 3%. Any change in the CPI in excess of 3% shall be cumulatively reserved as the "Unused CPI" and shall be used to increase the maximum authorized assessment rate in years in which the CPI is less than 3%. The maximum authorized assessment rate is equal to the maximum assessment rate in the first fiscal year the assessment was levied adjusted annually by the minimum of 1) 3% or 2) the change in the CPI plus any Unused CPI as described earlier.

The assessment may be levied annually and may be adjusted by up to the maximum annual CPI adjustment without any additional assessment ballot proceeding. In the event that in future years the assessments are levied at a rate less than the maximum authorized assessment rate, the assessment rate in a subsequent year may be increased up to the maximum authorized assessment rate without any additional assessment ballot proceeding.

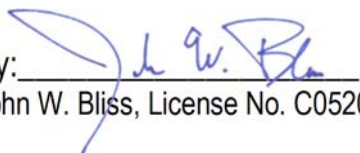
Each parcel or lot of land is described in the Assessment Roll by reference to its parcel number as shown on the Assessor's Maps of the Tulare County for the fiscal year 2022-23. For a more particular description of the property, reference is hereby made to the deeds and maps on file and of record in the office of the County Assessor of Tulare County.

I hereby place opposite the Assessor Parcel Number for each parcel or lot within the Assessment Roll, the amount of the assessment for fiscal year 2022-2 for each parcel or lot of land within the Delta Mosquito, Vector and Disease Control Assessment Area.<sup>22</sup>

Dated: June 2, 2022

Engineer of Work



By:   
John W. Bliss, License No. C052091

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<sup>22</sup> Each parcel has a uniquely calculated assessment based on the estimated level of special benefit to the property as determined in accordance with this Engineer's Report.

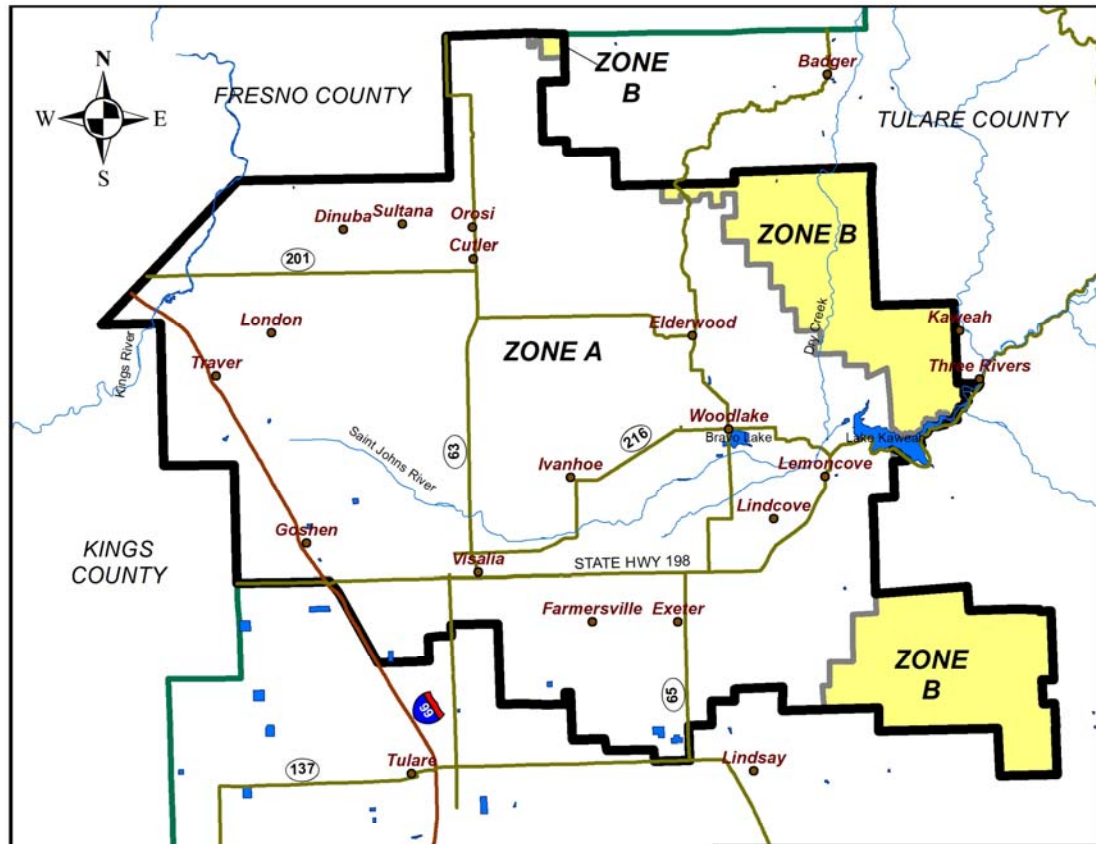
## **ASSESSMENT ROLL**

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Reference is hereby made to the Assessment Roll in and for the assessment proceedings on file in the office of Delta Mosquito and Vector Control District, as the Assessment Roll is too voluminous to be bound with this Report.

**ASSESSMENT DIAGRAM**

The boundaries of the Mosquito, Vector and Disease Control Assessment are displayed on the following Assessment Diagram.



FILED IN THE OFFICE OF THE GENERAL MANAGER OF THE DELTA VECTOR CONTROL DISTRICT, COUNTY OF TULARE, CALIFORNIA, THIS \_\_\_\_ DAY OF \_\_\_\_, 2021.

\_\_\_\_\_  
DISTRICT MANAGER

RECORDED IN THE OFFICE OF THE GENERAL MANAGER OF THE DELTA VECTOR CONTROL DISTRICT, COUNTY OF TULARE, CALIFORNIA, THIS \_\_\_\_ DAY OF \_\_\_\_, 2021.

\_\_\_\_\_  
DISTRICT MANAGER

AN ASSESSMENT WAS CONFIRMED AND LEVIED BY THE BOARD OF TRUSTEES OF THE DELTA VECTOR CONTROL DISTRICT, COUNTY OF TULARE, ON THE LOTS, PIECES AND PARCELS OF LAND ON THIS ASSESSMENT DIAGRAM ON THE \_\_\_\_ DAY OF \_\_\_\_, 2021 FOR THE FISCAL YEAR 2021-22 AND SAID ASSESSMENT DIAGRAM AND THE ASSESSMENT ROLL FOR SAID FISCAL YEAR WERE FILED IN THE OFFICE OF THE GENERAL MANAGER OF THE DELTA VECTOR CONTROL DISTRICT, COUNTY OF TULARE, CALIFORNIA ON THE \_\_\_\_ DAY OF \_\_\_\_, 2021. REFERENCE IS HEREBY MADE TO SAID RECORDED ASSESSMENT ROLL FOR THE EXACT AMOUNT OF EACH ASSESSMENT LEVIED AGAINST EACH PARCEL OF LAND.

\_\_\_\_\_  
DISTRICT MANAGER

Note:  
REFERENCE IS HEREBY MADE TO THE MAPS AND DEEDS OF RECORD IN THE OFFICE OF THE ASSESSOR OF THE COUNTY OF TULARE FOR A DETAILED DESCRIPTION OF THE LINES AND DIMENSIONS OF ANY PARCEL SHOWN HEREIN. THOSE MAPS SHALL GOVERN FOR ALL DETAILS CONCERNING THE LINES AND DIMENSIONS OF SUCH PARCELS. EACH PARCEL IS IDENTIFIED IN SAID MAPS BY ITS DISTINCTIVE ASSESSOR'S PARCEL NUMBER

PREPARED BY:  
SCI CONSULTING GROUP  
4745 MANGELS BOULEVARD  
FAIRFIELD, CA 94534  
707-430-4300

- Assessment District Boundary
- Zone B Boundary
- County Boundary

**Assessment Diagram  
Delta Vector Control District  
Improved Mosquito, Vector and Disease  
Testing and Control Assessment District**



## **7. Resolution 2022-03**

**RESOLUTION NO. 2022-03**

**A RESOLUTION OF THE BOARD OF TRUSTEES  
OF THE DELTA MOSQUITO AND VECTOR CONTROL DISTRICT**

**A RESOLUTION APPROVING THE ENGINEER'S REPORT,  
CONFIRMING THE ASSESSMENT DIAGRAM AND ASSESSMENT AND  
ORDERING THE CONTINUATION OF THE LEVY OF ASSESSMENTS  
FOR FISCAL YEAR 2022-23  
FOR THE MOSQUITO, VECTOR AND DISEASE CONTROL ASSESSMENT**

WHEREAS, the Delta Mosquito and Vector Control District ("District") is authorized, pursuant to the authority provided in Health and Safety Code Section 2082 and Article XIID of the California Constitution, to levy the continued assessments for mosquito and disease control projects and services; and

WHEREAS, such mosquito control services provide tangible public health benefits, reduced nuisance benefits and other special benefits to the public and properties with the areas of service; and

WHEREAS, an assessment for mosquito, vector and disease control projects and services has been given the distinctive designation of the "Mosquito, Vector and Disease Control Assessment" ("Assessment"), and is primarily described as encompassing the boundaries of the Delta Vector Control District; and

WHEREAS, the Assessment was authorized by an assessment ballot proceeding conducted in 2021 and approved by 57.03% of the weighted ballots returned by property owners, and such assessments were levied by the Board of Trustees of the Delta Mosquito and Vector Control District by Resolution No. 2021-07 passed on July 28, 2021;

WHEREAS, SCI Consulting Group, the Engineer of Work, prepared an engineer's report in accordance with Article XIID of the California Constitution and Section 2082, et seq., of the Health and Safety Code for the Assessment (the "Report"). The Report have been made, filed with the District and duly considered by the Board and is hereby deemed sufficient and approved. The Report shall stand as the Engineer's Report for all subsequent proceedings under and pursuant to the foregoing resolution.

WHEREAS, on May 11, 2022, this Board adopted Resolution No. 2022-01 to continue to levy and collect Assessments for fiscal year 2022-23, preliminarily approving the Engineer's Report, and providing for notice of hearing on June 8, 2022, at the hour of 4:30 p.m. at the Delta Mosquito and Vector Control District offices, located at 1737 W. Houston Ave Visalia, CA 93291.

WHEREAS, at the appointed time and place the hearing was duly and regularly held, and all persons interested and desiring to be heard were given an opportunity to be heard, and all matters and things pertaining to the continuation of Assessments were fully heard and considered by this Board, an all oral statements and all written protests or communications were duly heard, considered and overruled, and this Board there by acquired jurisdiction to order the continuation of assessments prepared by and made a part of the Engineer's Report to pay the costs and expenses thereof.

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

SECTION 1. The above recitals are true and correct.

SECTION 2. The public interest, convenience and necessity require that the assessments continue to be approved and collected.

SECTION 3. The Engineer's Report for the Assessment together with the proposed assessment roll for fiscal year 2022-23 is hereby confirmed and approved.

SECTION 4. That based on the oral and documentary evidence, including the Engineer's Report offered and received at the public hearing, the Board expressly finds and determines that: (a) each of the several lots and parcels of land subject to the Assessment will be specially benefited by the services to be financed by the assessment proceeds in at least the amount of the assessment apportioned against such lots and parcels of land, respectively; and (b) that there is substantial evidence to support , and the weight of the evidence preponderates in favor of, said finding and determination as to special benefit to property from the mosquito and disease control services to be financed with assessment proceeds.

SECTION 5. That assessments for fiscal year 2022-23 shall be levied at the rate of TWELVE DOLLARS AND FIFTY CENTS (\$12.50) per single-family equivalent benefit unit for Zone A, and SIX DOLLARS AND TWENTY FIVE CENTS (\$6.25) per single-family equivalent benefit unit for Zone B, as specified in the Engineer's Report for fiscal year 2022-23 with estimated total annual assessment revenues as set forth in the Engineer's Report; and

SECTION 6. That the mosquito, vector and disease control services to be financed with assessment proceeds described in the Engineer's Report are hereby ordered.

SECTION 7. Immediately upon the adoption of this resolution, but in no event later than August 10th following such adoption, the Board shall file a certified copy of the Diagram and Assessment and a certified copy of this resolution with the Auditor of Tulare County ("County Auditor"). Upon such filing, the County Auditor shall enter on the County assessment roll opposite each lot or parcel of land the amount of assessment thereupon as shown in the Assessment. The assessments shall be collected at the same time and in the same manner as County taxes are collected and all laws providing for the collection and enforcement of County taxes shall apply to the collection and enforcement of the assessments. After collection by the County, the net amount of the assessments, after deduction of any compensation due the County for collection, shall be paid to the Delta Mosquito and Vector Control District.

SECTION 8. All revenues from Assessments shall be deposited in a separate fund established under the distinctive designation of the Delta Mosquito and Vector Control District Mosquito, Vector and Disease Control Assessment.

SECTION 9. The Assessment, as it applies to any parcel, may be corrected, cancelled or a refund granted as appropriate, by order of the Board of Trustees of the District. Any such corrections, cancellations or refunds shall be limited to the current fiscal year.

**PASSED and ADOPTED** by the Board of Trustees of the Delta Mosquito and Vector Control District, State of California on June 8, 2022 by the following vote:

AYES:

NOES:

ABSTAINED:

ABSENT:

\_\_\_\_\_  
Board President

ATTEST:

\_\_\_\_\_  
Secretary

## Compliance Certification and Hold Harmless Statement

The City/District of Delta Mosquito and Vector Control District certifies the following:

I have read and am familiar with the requirements of Article XIIC and XIID of the State Constitution as revised by Proposition 218, including the articles cited below, and believe that all of the taxes, assessments, levies and fees accompanying this submission to the County Auditor-Controller for inclusion on the secured property tax roll are in compliance with the law.

Article XIIC. Sec. 2 c. "Any general tax imposed, extended, or increased, without voter approval, by any local government on or after January 1, 1995, and prior to the effective date of this article, shall continue to be imposed only if approved by a majority vote of the voters voting in an election on the issue of imposition, which election shall be held within two years of the effective date of this article and in compliance with subdivision b."

Article XIIC. Sec. 2 d. "No local government may impose, extend, or increase any special tax unless and until that tax is submitted to the electorate and approved by a two-thirds vote. A special tax shall not be deemed to have been increased if it is imposed at a rate not higher than the maximum rate so approved."

Article XIID. Sec. 5. "...this article shall become effective the day after the election unless otherwise provided. Beginning July 1, 1997, all existing, new, or increased assessments shall comply with this article."

Article XIID. Sec. 6 d. "Beginning July 1, 1997, all fees or charges shall comply with this section." In addition, the City/District agrees that it shall be solely liable and responsible, and will defend and hold the County harmless from any liability as a result of claims or claims for refunds and related interest due filed by taxpayers against any assessments, fees, charges or taxes placed on the roll for the City/District by the County; and

The City/District shall be solely liable and responsible, and will defend and hold the County and the County Auditor harmless from any and all legal fees or other costs incurred related to such a claim.

Approved by the governing Board on \_\_\_\_\_

Date

\_\_\_\_\_  
District Manager

\_\_\_\_\_  
Date

## **8. Resolution 2022-04**

**BOARD OF TRUSTEES**  
**DELTA MOSQUITO AND VECTOR CONTROL DISTRICT**  
**COUNTY OF TULARE, STATE OF CALIFORNIA**

**RESOLUTION NO 2022-04**

**A RESOLUTION OF THE DELTA MOSQUITO AND VECTOR CONTROL DISTRICT TO INCREASE ITS FISCAL YEAR 2021-2022 BUDGET TO INCLUDE FUNDS FOR ADDITIONAL EXPENDITURES THROUGH THE REMAINDER OF THE FISCAL YEAR**

**IT IS HEREBY RESOLVED**, by the Board of Trustees (the "Board") of the Delta Mosquito and Vector Control District (the "District"), in County of Tulare, State of California, as follows:

**WHEREAS**, the District was allocated \$1,023,546.00 in assessment revenue, and as of the end of April, 2022 has received \$902,125.93 and anticipates an additional \$121,420.07 prior to the ending of the 2021-2022 fiscal year; and

**WHEREAS**, the assessment expenses were not placed into the main 2021-2022 Fiscal Year budget; and

**WHEREAS**, the District's budget has been amended to reflect these changes;

**NOW THEREFORE BE IT RESOLVED** by the Board that the amended Final Budget for Fiscal Year 2021-2022 be approved:

**PASSED AND ADOPTED** by the Board of Trustees of the Delta Mosquito and Vector Control District at its regular meeting on June 8, 2022 by the following vote:

	Yes	No	Abstain	Absent
Greg Gomez	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Belen Gomez	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rosemary Hellwig	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Larry Roberts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Michael Cavanagh	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kevin Caskey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Linda Gutierrez	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Attest: \_\_\_\_\_ Approved: \_\_\_\_\_

Secretary

President

2021-22 Fiscal Year Budget			Actual	Proposed Budget
CATEGORY	19/20	20/21	20/21	21/22
Wages & Benefits	Expense	Budget	Expense	Budget
MANAGER	215,183.00	153,750.00	153,750.00	162,677.10
ASSISTANT MANAGER	35,000.00	107,625.00	107,625.00	112,468.08
SCIENTIFIC PROGRAM MANAGER	62,885.92	48,354.38	64,472.48	98,113.01
OPERATIONS PROGRAM MANAGER	0.00	0.00	32,391.24	101,060.64
SR FOREMAN	94,328.88	94,328.88	90,927.70	92,384.52
BIOLOGIST	87,823.44	90,020.63	61,688.28	12,542.88
BIOLOGIST	87,823.44	90,020.63	70,400.96	86,624.24
BIOLOGIST	87,823.44	90,020.63	90,020.64	94,071.60
BIOLOGIST	5,854.89	72,016.56	72,391.64	80,352.77
SYSTEMS ADMINISTRATOR	87,823.44	90,020.63	75,594.67	0.00
FOREMAN	63,662.60	0.00	0.00	0.00
ADMIN. ASSISTANT	78,065.28	80,026.88	80,026.92	120,550.08
ADMIN. ANALYST	28,144.25	64,625.04	64,625.04	63,560.59
EDUCATION & OUTREACH COORDINATOR	0.00	0.00	0.00	57,596.84
V.C. SUPERVISOR	71,559.84	73,415.63	73,415.64	76,719.36
V.C. TECHNICIAN III/ MECHANIC	166,147.24	190,722.52	152,353.76	122,609.06
V.C. TECHNICIAN III	119,617.16	66,727.50	66,727.56	69,730.20
WAGES PERM	1,291,742.82	1,311,674.91	1,256,411.53	1,351,060.97
LONGEVITY	62,615.28	45,629.48	33,849.43	26,048.68
ASE CERTIF	23,336.54	28,500.00	21,250.00	16,500.00
OVER-TIME	10,229.79	10,000.00	3,621.93	3,000.00
TRUSTEE PAYROLL	6,700.00	8,400.00	7,200.00	8,200.00
LABORATORY TECHNICIAN II	0.00	0.00	0.00	4,224.00
V.C. TECHNICIAN II (3)	62,875.61	87,598.00	89,941.79	141,256.74
V.C. TECHNICIAN I (17)	189,994.33	297,073.67	210,506.00	264,447.81
TOTAL WAGES	1,647,494.37	1,788,876.06	1,622,780.68	1,814,738.20
MEDICAL - CALPERS	245,454.00	263,042.68	233,781.18	337,785.74
LTD/STD/DENT/ VSP/LTC	37,312.16	38,726.59	31,151.60	40,917.93
ICMA	8,881.56	0.00	0.00	24,687.66
SOC SEC	127,571.30	136,559.22	125,300.90	143,739.43
UNEMPLOYMENT	16,485.50	18,662.00	15,145.61	18,204.51
RETIREMENT - PERS 14.54% (PEPRA 7.59%)	151,804.94	159,746.45	140,476.28	156,763.36
RETIREMENT - PERS UAL	116,672.00	132,655.00	132,655.00	160,017.00
WRKRS' COMP	61,932.00	71,320.00	71,079.00	84,408.00
OPEB	31,978.00	0.00	0.00	0.00
BENEFITS	798,091.46	820,711.94	749,589.57	966,523.63
TOTAL WAGES & BENEFITS	2,445,585.83	2,609,588.00	2,372,370.25	2,781,261.83
Services and Supplies				
CHEMICALS	260,778.20	201,500.00	168,130.79	100,955.33
CLOTHING	5,188.15	7,000.00	9,486.90	7,982.88
LAB SUPPLIES	47,709.66	63,000.00	55,951.44	53,442.67
FISH SUPPLIES	0.00	2,000.00	2,447.78	4,765.94
OPERATIONAL SUPPLIES	2,492.54	2,000.00	2,184.32	2,386.14
JANITORIAL SUPPLIES	1,831.80	2,000.00	2,050.59	3,429.18
MAINT CONTRACT	6,166.91	5,000.00	16,198.54	39,623.45
BUILDING & YARD	9,809.31	13,000.00	19,270.47	27,632.26
AUTO SUPPI/MAINT	30,000.15	24,000.00	22,757.20	21,303.26
GASOLINE	43,896.72	50,000.00	41,866.18	74,736.46
UTILITIES	23,309.86	23,500.00	28,740.32	39,861.92
GPS	6,476.76	6,600.00	6,980.52	10,115.87
TELEPHONE	16,065.43	16,325.00	19,024.42	16,106.64
LIABILITY	48,536.00	59,446.76	59,446.76	79,122.00
OFF SUPPL	5,945.41	10,000.00	11,052.07	29,728.97
TRAVEL EXP	19,417.69	34,073.00	4,540.86	29,409.85
DUES	17,627.00	19,750.00	19,234.00	19,500.00
SAFETY SUPPLIES	3,838.04	4,000.00	3,363.54	4,500.00
SUBSCRIPTIONS	15,943.18	19,050.00	55,019.61	31,457.98
ADVERTISEMENTS	0.00	0.00	0.00	4,946.73
CONT EDUC	3,494.96	4,400.00	4,003.00	3,458.29
PROF SERV	68,003.83	52,000.00	73,857.74	50,147.87
PUBLIC RELATIONS	45,310.72	50,000.00	37,169.60	8,219.53
TAX ADMIN FEE	61,996.00	63,550.00	61,380.00	68,497.00
MISC	19,821.51	5,000.00	6,729.73	4,823.78
NAME, LOGO & CELEBRATION	0.00	0.00	0.00	11,453.69
ASSESSMENT SERVICES AND SUPPLIES				263,641.31
TOTAL SERVICE/SUPPLIES	763,659.83	737,194.76	730,886.38	1,011,249.00
Other Charges - Long Term Debt				
Lease Payment		113,818.89	113,818.89	117,828.06
TOTAL Other Charges	0.00	113,818.89	113,818.89	117,828.06
Building Improvements				
Building Project	94,483.72		164,275.70	
Solar				
Fence and Gates		35,000.00		
Fish Tanks		31,387.44	31,618.10	
Roof Repair		60,000.00	46,170.00	
TOTAL BUILDING IMPROVEMENTS	94,483.72	126,387.44	242,063.80	0.00
Capital Items				
SHOP EQUIP	3,347.65			2,148.29
SPRAY EQUIPMENT	30,693.53		2,432.00	
LAB EQUIP	7,856.40	7,414.00	7,333.74	0.00
VEHICLES				44,151.99
ASSESSMENT CAPITAL ITEMS				480,621.33
TOTAL CAPITAL	41,897.58	7,414.00	9,765.74	526,921.61
Total Working Budget	3,345,626.96	3,594,403.09	3,468,905.06	4,437,260.50
		carry over	125,498.03	



## Balance Sheet

		Actual	Actual	Actual	Actual	Actual	Budget
		16/17	17/18	18/19	19/20	20/21	21/22
Revenue		2,731,495.49	3,491,042.13	3,002,488.58	4,017,788.16	3,273,792.40	4,450,265.90
Beginning Cash Balance		4,499,867.47	4,353,758.86	3,740,704.80	3,840,626.09	4,509,347.51	\$ 4,314,234.85
		7,231,362.96	7,844,800.99	6,743,193.38	7,858,414.25	7,783,139.91	8,764,500.75
Expenditures		2,877,604.10	4,104,096.19	2,902,567.29	3,349,066.74	3,468,905.06	4,437,260.50
Ending Balance		4,353,758.86	3,740,704.80	3,840,626.09	4,509,347.51	4,314,234.85	4,327,240.25
		7,231,362.96	7,844,800.99	6,743,193.38	7,858,414.25	7,783,139.91	8,764,500.75
Assessment Reserve		332,665.83	-385,582.71	-382,459.70	0.00	0.00	-9,825.93
Contingencies		50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00
Capital Reserve		75,000.00	75,000.00	75,000.00	75,000.00	75,000.00	75,000.00
District Reserve		3,896,093.03	4,001,287.51	4,098,085.79	4,384,347.51	4,189,234.85	4,212,066.18
Revenue		16/17	17/18	18/19	19/20	20/21	21/22
4001	Current Secured	1,961,142.15	2,083,840.47	2,171,766.69	2,257,053.85	2,402,921.80	2,500,000.00
4006	Current Unsecured	112,900.84	123,819.25	130,159.41	136,629.87	146,449.06	170,388.35
4060	RDA Residuals	72,330.00	77,281.00	85,423.00	99,317.00	172,907.00	92,133.00
4075	RD H&S 34188 SA	2,096.16	0.00	1,133.00	1,068.00	940.85	0.00
4008	Prior Secured	40,877.19	40,880.95	41,151.41	41,143.56	48,722.45	42,402.00
4009	Prior Unsecured	2,322.84	3,761.94	1,964.18	2,283.14	1,622.25	1,200.00
4030	Supplemental Cur Sec	27,213.91	39,030.05	42,998.86	45,451.63	50,547.05	40,000.00
4033	Supplemental Prior	4,267.34	4,109.55	6,013.29	8,739.77	11,678.58	10,000.00
4052	Assessment	160,275.88	815,069.29	141,263.01	976,859.88	17,758.88	1,023,546.00
5050	Prop Tax Relief	19,720.46	19,470.42	19,406.96	18,785.97	18,374.90	18,644.00
4801	Interest	52,023.03	52,811.20	71,855.74	96,476.92	63,561.31	36,000.00
5835	Other Revenue	0.00	0.00	0.00	0.00	755.00	0.00
5250	ARPA (COVID Funds)	0.00	0.00	0.00	0.00	0.00	188,365.00
4069	RDA Pass Thru	243,383.00	236,641.00	255,019.00	277,496.00	294,033.00	298,000.00
5400	Current Services	4,301.96	3,667.92	5,080.96	6,952.91	8,750.25	0.00
5401	Assessment Fee	-7,180.00	-58,634.00	-5,821.00	-69,765.00	-96.07	-65,296.00
5805	Misc	35,820.73	49,293.09	35,074.07	119,294.66	34,866.09	94,883.55
		2,731,495.49	3,491,042.13	3,002,488.58	4,017,788.16	3,273,792.40	4,450,265.90
Carry Over		15/16	16/17	17/18	18/19	19/20	20/21
Reserve		3,960,419.33	4,499,867.47	4,353,758.86	3,740,704.80	3,840,626.09	4,509,347.51
Revenue		3,254,990.92	2,731,495.49	3,491,042.13	3,002,488.58	4,017,788.16	3,273,792.40
Budget		-2,715,542.78	-2,877,604.10	-4,104,096.19	-2,902,567.29	-3,349,066.74	-3,468,905.06
Ending Balance		4,499,867.47	\$ 4,353,758.86	\$ 3,740,704.80	\$ 3,840,626.09	\$ 4,509,347.51	\$ 4,314,234.85

94.9%

## MONTHLY EXPENSE REPORT 2021-22

21-22 FY Expenses	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total Expense	Budget	Carry Over
Manager	13,389.06	13,389.06	13,389.06	13,389.06	13,389.06	13,389.06	13,389.06	13,389.06	13,389.06	14,058.52	14,058.52	14,058.52	162,677.10	160,668.75	-2,008.35
Assistant Manager	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	112,468.08	112,468.13	0.05
Operations Program Manager	8,000.63	8,000.63	8,000.63	8,000.63	8,000.63	8,000.63	8,000.63	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	98,113.01	97,692.00	-421.01
Scientific Program Manager	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	101,060.64	101,060.64	0.00
Foreman	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	92,384.52	92,384.53	0.01
Biologist	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,271.44	6,271.44	12,542.88	0.00	-12,542.88
Biologist	7,055.37	7,055.37	7,055.37	7,055.37	7,055.37	7,055.37	7,055.37	7,447.33	7,447.33	7,447.33	7,447.33	7,447.33	86,624.24	86,624.24	0.00
Biologist	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	94,071.60	94,071.55	-0.05
Biologist	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	7,055.37	80,352.77	80,352.77	0.00
Education & Outreach Coordinator	0.00	3,023.04	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	57,596.84	67,535.16	9,938.32
Admin Assistant	7,370.68	7,370.68	7,370.68	7,370.68	7,370.68	7,370.68	7,370.68	43,895.00	0.00	0.00	0.00	0.00	95,489.76	88,448.15	-7,041.61
Admin Assistant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,265.08	6,265.08	6,265.08	6,265.08	6,265.08	25,060.32	0.00	-25,060.32
Admin Analyst	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	47,670.46	71,505.72	23,835.26
Admin Analyst	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,296.71	5,296.71	5,296.71	15,890.13	0.00	-15,890.13
VC Supervisor	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	76,719.36	76,719.33	-0.03
VCT III/ Mechanic (3 employees)	9,878.45	9,878.45	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	122,609.06	120,278.36	-2,330.70
VCT III (1 employee)	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	69,730.20	69,730.24	0.04
Lab Tech II (1)													4,224.00		
VCT II (3 employees)	12,959.79	12,982.08	13,075.95	18,847.88	7,752.00	9,468.72	9,576.00	9,120.00	10,488.00	9,290.32	13,680.00	14,016.00	141,256.74	135,571.60	-5,685.14
VCT I (16 employees)	33,881.54	38,142.74	34,450.06	32,259.23	714.24	0.00	0.00	0.00	0.00	25,000.00	45,000.00	55,000.00	264,447.81	303,295.49	38,847.68
Over-Time	96.27	850.99	0.00	994.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,058.67	3,000.00	5,000.00	2,000.00
Trustee Payroll	2,000.00	0.00	0.00	2,000.00	0.00	0.00	2,100.00	0.00	0.00	2,100.00	0.00	0.00	8,200.00	8,400.00	200.00
Longevity	2,293.57	2,293.57	2,293.57	2,293.57	2,293.57	2,293.57	2,293.57	2,293.57	1,925.03	1,925.03	1,925.03	1,925.03	26,048.68	27,522.56	1,473.88
ASE Certificate	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	16,500.00	19,500.00	3,000.00
<b>TOTAL WAGES</b>	<b>156,458.77</b>	<b>162,520.02</b>	<b>160,795.11</b>	<b>167,370.28</b>	<b>121,735.34</b>	<b>122,737.82</b>	<b>124,945.09</b>	<b>159,726.46</b>	<b>117,137.20</b>	<b>149,005.69</b>	<b>178,147.89</b>	<b>194,158.53</b>	<b>1,814,738.20</b>	<b>1,818,827.22</b>	<b>4,089.02</b>
Social Security/Medicare	11,958.28	12,404.20	12,289.99	12,683.48	9,238.69	8,548.47	9,558.00	9,467.00	10,446.00	14,452.00	15,911.32	16,782.00	143,739.43	139,140.28	-4,599.15
CalPERS - OPEB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Retirement - District 14.54% (PEPRA 7.59%)	10,457.04	11,986.58	13,003.66	12,828.16	11,957.40	10,910.52	14,270.00	14,270.00	14,270.00	14,270.00	14,270.00	14,270.00	156,763.36	144,325.96	-12,437.40
PERS - UAL	160,017.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160,017.00	160,017.00	0.00
ICMA	0.00	0.00	0.00	0.00	0.00	18,993.95	903.76	957.99	957.99	957.99	957.99	957.99	24,687.66	0.00	-24,687.66
Workers' Comp	84,408.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84,408.00	84,383.00	-25.00
Unemployment	6,027.78	0.00	0.00	3,781.33	0.00	0.00	583.40	0.00	0.00	7,812.00	0.00	0.00	18,204.51	19,530.00	1,325.49
Life/LTD/STD; Dental; Vision; Long Term Care	2,799.14	3,070.78	3,157.09	3,225.73	3,196.49	3,005.06	3,693.94	3,693.94	3,768.94	3,768.94	3,768.94	3,768.94	40,917.93	38,835.27	-2,082.66
Health	20,490.96	22,608.96	25,252.30	22,333.28	24,357.55	25,809.49	27,620.20	29,913.00	34,850.00	34,850.00	34,850.00	34,850.00	337,785.74	278,828.33	-58,957.41
<b>BENEFITS</b>	<b>296,158.20</b>	<b>50,070.52</b>	<b>53,703.04</b>	<b>54,851.98</b>	<b>48,750.13</b>	<b>67,267.49</b>	<b>56,629.30</b>	<b>58,301.93</b>	<b>64,292.93</b>	<b>76,110.93</b>	<b>69,758.25</b>	<b>70,628.93</b>	<b>966,523.63</b>	<b>865,059.84</b>	<b>-101,463.79</b>
<b>TOTAL WAGES &amp; BENEFITS</b>	<b>452,616.97</b>	<b>212,590.54</b>	<b>214,498.15</b>	<b>222,222.26</b>	<b>170,485.47</b>	<b>190,005.31</b>	<b>181,574.39</b>	<b>218,028.39</b>	<b>181,430.13</b>	<b>225,116.62</b>	<b>247,906.14</b>	<b>264,787.46</b>	<b>2,781,261.83</b>	<b>2,683,887.06</b>	<b>-97,374.77</b>
Chemicals	12,346.43	13,367.20	2,804.14	0.00	0.00	54,671.57	10,127.59	7,638.40	0.00	0.00	0.00	0.00	100,955.33	200,000.00	99,044.67
Uniforms	1,303.90	957.37	1,238.27	892.07	1,030.74	228.85	0.00	345.64	259.60	226.44	1,000.00	500.00	7,982.88	8,000.00	17.12
Lab Supplies	2,397.58	9,470.10	1,797.08	1,996.49	1,646.25	3,363.34	21,571.22	2,207.48	3,857.10	3,136.03	1,000.00	1,000.00	53,442.67	99,000.00	45,557.33
Fish Supplies	1,193.51	2,905.56	123.97	0.00	61.97	56.29	67.21	357.43	0.00	0.00	0.00	0.00	4,765.94	5,000.00	234.06
Operational Supplies	103.89	52.94	217.90	0.00	7.58	0.00	0.00	86.80	1,917.03	0.00	0.00	0.00	2,386.14	2,500.00	113.86
Janitorial Supplies	356.80	342.59	279.52	158.70	654.77	335.19	0.00	428.50	510.50	162.61	100.00	100.00	3,429.18	3,250.00	-179.18
Maint Contracts	6,914.26	4,157.40	2,885.77	543.30	0.00	4,120.02	2,532.25	5,530.55	3,227.25	3,112.65	3,300.00	3,300.00	39,623.45	27,800.00	-11,823.45
Bldg/Yard Supplies & Maint	1,924.57	742.88	231.75	654.94	517.13	3,577.12	456.23	10,257.41	8,721.24	198.99	100.00	250.00	27,632.26	55,000.00	27,367.74
Auto Supplies & Maint	985.41	1,107.74	657.79	1,091.57	2,529.47	6,722.53	710.83	4,843.27	1,254.43	400.22	500.00	500.00	21,303.26	20,000.00	-1,303.26
Gasoline	12,569.49	9,099.42	4,365.54	7,888.95	4,368.27	728.93	75.38	1,045.22	811.86	3,783.40	15,000.00	15,000.00	74,736.46	62,000.00	-12,736.46
Utilities	4,250.25	5,080.07	4,299.38	4,334.95	2,166.04	2,882.96	1,883.60	3,975.31	2,535.06	1,854.30	3,300.00	3,300.00	39,861.92	32,000.00	-7,861.92
GPS	1,319.34	659.67	799.67	0.00	659.67	1,519.34	1,719.14	859.67	0.00	859.67	860.00	860.00	10,115.87	7,920.00	-2,195.87
Telephone & Cell Phone	1,438.71	1,171.69	1,176.16	1,224.50	527.52	2,996.34	1,498.02	1,473.11	1,024.21	435.38	1,641.00	1,500.00	16,106.64	19,250.00	3,143.36
Liability Ins.	77,899.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,223.00	0.00	0.00	0.00	79,122.00	77,899.00	-1,223.00
Office Supplies	184.34	9,642.42	514.93	1,486.88	2,831.90	1,643.48	3,168.23	5,906.23	1,969.04	1,291.81	89.71	1,000.00	29,728.97	25,175.00	-4,553.97
Travel	471.52	392.14	2,363.62	1,275.17	1,989.54	7,758.44	1,207.50	5,587.40	5,611.40	172.50	1,080.62	1,500.00	29,409.85	30,601.50	1,191.65
Dues	620.00	10,500.00	0.00	0.00	7,792.00	0.00	0.00	0.00	0.00	0.00	0.00	588.00	19,500.00	19,500.00	0.00
Safety Supplies	388.39	216.83	892.19	0.00	176.55	764.24	0.00	794.33	0.00	0.00	1,000.00	267.47	4,500.00	4,500.00	0.00
Subscriptions	138.00	8,203.78	737.88	1,475.06	186.00	1,121.36	0.00	715.90	11,280.00	0.00	7,600.00	0.00	31,457.98	31,550.00	92.02
Advertisements	0.00	968.90	410.62	41.21	0.00	0.00	0								

Revenue Source	Description	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total Received	Budget	Balance	Projection	Unanticipated Revenue
4001 Taxes - Current Secured							1,272,018.73	172,430.39		1,048.49	892,322.22			2,337,819.83	2,453,100.00	-115,280.17	2,500,000.00	46,900.00
4006 Taxes - Current Unsecured							167,460.87	986.78			1,940.70			170,388.35	147,112.28	23,276.07	170,388.35	23,276.07
4008 Taxes - Prior Secured								22,837.41						22,837.41	42,402.00	-19,564.59	42,402.00	0.00
4009 Taxes- Prior Unsecured								655.52						655.52	1,818.00	-1,162.48	1,200.00	-618.00
4030 Taxes - Supplemental Cur Sec		-2.04						18,181.46						18,179.42	40,000.00	-21,820.58	40,000.00	0.00
4033 Taxes - Supplemental Prior								8,843.49						8,843.49	10,000.00	-1,156.51	10,000.00	0.00
4052 Other Taxes - Assessment							512,737.67	30,834.51			358,553.75			902,125.93	1,023,546.00	-121,420.07	1,023,546.00	0.00
4060 RDA Residuals							92,133.00							92,133.00	50,000.00	42,133.00	92,133.00	42,133.00
4075 & 4078 RD H&S 34188 OA														0.00	568.02	-568.02	0.00	-568.02
1440 Taxes - Timber Yield							0.01							0.01	0.00	0.01	0.00	0.00
1450 Aircraft														0.00	0.00	0.00	0.00	0.00
5050 Property Tax Relief								8,958.80						8,958.80	18,644.00	-9,685.20	18,644.00	0.00
<b>Total Taxes</b>														<b>3,561,941.76</b>	<b>3,787,190.30</b>	<b>-225,248.54</b>	<b>3,898,313.35</b>	<b>111,123.05</b>
4801 Interest Income				10,060.55			7,237.27			9,464.86				<b>26,762.68</b>	<b>63,000.00</b>	<b>-36,237.32</b>	<b>36,000.00</b>	<b>-27,000.00</b>
4069 RDA PT Facilities																		
City of Woodlake							3,545.00							3,545.00				
City of Dinuba							11,921.00							11,921.00				
City of Exeter														0.00				
City of Farmersville							2,553.00							2,553.00				
City of Lindsay							58.00							58.00				
City of Visalia							90,114.00							90,114.00				
County Pass Thru							60,015.00							60,015.00				
<b>Total RDA</b>														<b>168,206.00</b>	<b>294,033.00</b>	<b>-125,827.00</b>	<b>298,000.00</b>	<b>3,967.00</b>
5400 Current Services (Billing)														<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
5250 ARPA (Covid Relief Funds)							188,365.00							<b>188,365.00</b>	<b>0.00</b>	<b>188,365.00</b>	<b>188,365.00</b>	<b>188,365.00</b>
5835 Other Revenue											-37.50			<b>-37.50</b>	<b>0.00</b>	<b>-37.50</b>		
5401 Assessment Fee							-32,648.00				-32,648.00			<b>-65,296.00</b>	<b>-71,648.00</b>	<b>6,352.00</b>	<b>-65,296.00</b>	<b>6,352.00</b>
5805 Misc. Receipts											26,870.58							
Tulare County	Stopped payment to Cal Water	139.52												139.52				
Special Dist Leadersip Foundation	Scholarship Refund - Dr. Debboun			625.00										625.00				
US Bank	WSCA Contract Payment			183.80			127.54							311.34				
VCJPA	WC Payment for B. Ferguson			844.86										844.86				
Copart	Salvage Payment T-2			595.00										595.00				
Merced Chevrolet	Refund DMV Fees				84.09									84.09				
VCJPA	Replacement Value of T-2				35,226.16									35,226.16				
Rick Alvarez	Jury Duty (7 days)				105.00									105.00				
Alysia Ingrim	VCT Certification Test				36.00									36.00				
Jorge Lopez	VCT Certification Test				72.00									72.00				
Kory Wilson	VCT Certification Test				72.00									72.00				
Ryan Spratt	VCT Certification Test				72.00									72.00				
Tulare MAD	Balance Due for Testing 2021						3,476.00							3,476.00				
Kings MAD	Balance Due for Testing 2022							2,508.00						2,508.00				
Navia	Refund for Section 125							97.50						97.50				
VCJPA	Retrospective 2021 Adjustment							23,786.00						23,786.00				
MGK	Sumilary Trial											16,000.00		16,000.00				
<b>Misc. Revenue Total</b>														<b>84,050.47</b>	<b>0.00</b>	<b>84,050.47</b>	<b>94,883.55</b>	<b>94,883.55</b>
<b>Total All Revenue</b>		<b>137.48</b>	<b>0.00</b>	<b>12,309.21</b>	<b>35,667.25</b>	<b>0.00</b>	<b>2,375,638.09</b>	<b>263,728.36</b>	<b>0.00</b>	<b>10,513.35</b>	<b>1,247,001.75</b>	<b>16,000.00</b>	<b>0.00</b>	<b>3,963,992.41</b>	<b>4,072,575.30</b>	<b>-108,582.89</b>	<b>4,450,265.90</b>	<b>377,690.60</b>

Projected carry over

## **9. 2022-2023 Fiscal Budget**

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### 2022/2023 FISCAL BUDGET

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2022-23 Fiscal Year Budget CATEGORY				
WAGES AND BENEFITS	20/21 Expense	21/22 Budget	Projected 21/22 Expense	Proposed Budget 22/23
MANAGER	153,750.00	160,668.75	162,677.10	190,874.48
ASSISTANT MANAGER	107,625.00	112,468.13	112,468.08	121,465.58
SCIENTIFIC PROGRAM MANAGER	64,472.48	101,060.64	98,113.01	109,136.82
OPERATIONS PROGRAM MANAGER	32,391.24	97,692.00	101,060.64	109,136.82
FOREMAN	90,927.70	92,384.53	92,384.52	99,783.97
BIOLOGIST	61,688.28	0.00	12,542.88	82,131.48
BIOLOGIST	70,400.96	86,624.24	86,624.24	98,642.45
BIOLOGIST	90,020.64	94,071.55	94,071.60	101,605.96
BIOLOGIST	72,391.64	80,352.77	80,352.77	91,868.72
SYSTEMS ADMINISTRATOR	75,594.67	0.00	0.00	0.00
ADMIN. ASSISTANT	80,026.92	88,448.15	120,550.08	82,794.99
ADMIN. ANALYST	64,625.04	71,505.72	63,560.59	69,725.04
EDUCATION & OUTREACH COORDINATOR	0.00	67,535.16	57,596.84	74,794.46
V.C. SUPERVISOR	73,415.64	76,719.33	76,719.36	82,839.53
V.C. TECHNICIAN III	66,727.56	69,730.24	69,730.20	75,308.66
V.C. TECHNICIAN III/ MECHANIC	152,353.76	120,276.36	122,609.06	75,308.66
V.C. TECHNICIAN III/ MECHANIC	0.00	0.00	0.00	64,326.15
WAGES PERM	1,256,411.53	1,319,537.57	1,351,060.97	1,529,743.77
TRUSTEE PAYROLL	7,200.00	8,400.00	8,200.00	8,400.00
LONGEVITY	33,849.43	27,522.56	26,048.68	24,945.99
ASE CERTIF	21,250.00	19,500.00	16,500.00	16,500.00
OVER-TIME	3,621.93	5,000.00	3,000.00	15,000.00
LABORATORY TECHNICIAN II			4,224.00	39,392.22
V.C. TECHNICIAN II	89,941.79	135,571.60	141,256.74	41,854.24
V.C. TECHNICIAN II				41,854.24
V.C. TECHNICIAN II				39,392.22
LABORATORY TECHNICIAN I (6)				106,000.00
V.C. TECHNICIAN I (10)	210,506.00	303,295.49	264,447.81	181,500.00
TOTAL WAGES	1,622,780.68	1,818,827.22	1,814,738.20	2,044,582.67
SOC SEC	125,300.90	139,140.28	143,739.43	156,410.57
OPEB	0.00	0.00	0.00	0.00
RETIREMENT - PERS 14.54% (PEPRA 7.59%)	140,476.28	144,325.96	156,763.36	140,250.93
RETIREMENT - PERS UAL	132,655.00	160,017.00	160,017.00	193,022.81
CEPPT			0.00	
ICMA	0.00	0.00	24,687.66	15,000.00
WRKRS' COMP	71,079.00	84,383.00	84,408.00	79,144.00
UNEMPLOYMENT	15,145.61	19,530.00	18,204.51	18,000.00
LTD/STD/DENT/ VSP/LTC	31,151.60	38,835.27	40,917.93	43,747.73
MEDICAL - CALPERS	233,781.18	278,828.33	337,785.74	380,297.53
BENEFITS	749,589.57	865,059.84	966,523.63	1,025,873.57
TOTAL WAGES & BENEFITS	2,372,370.25	2,683,887.06	2,781,261.83	3,070,456.25

SERVICES AND SUPPLIES	20/21 Expense	21/22 Budget	Projected 21/22 Expense	Proposed Budget 22/23
CHEMICALS	168,130.79	200,000.00	100,955.33	180,000.00
CLOTHING	9,486.90	8,000.00	7,982.88	8,000.00
LAB SUPPLIES	55,951.44	99,000.00	53,442.67	96,500.00
FISH SUPPLIES	2,447.78	5,000.00	4,765.94	5,000.00
OPERATIONAL SUPPLIES	2,184.32	2,500.00	2,386.14	2,500.00
JANITORIAL SUPPLIES	2,050.59	3,250.00	3,429.18	3,500.00
MAINT CONTRACT	16,198.54	27,800.00	39,623.45	55,500.00
BUILDING & YARD	19,270.47	55,000.00	27,632.26	20,000.00
VEHICLE SUPPLIES/MAINTAINCE	22,757.20	20,000.00	21,303.26	25,000.00
GASOLINE	41,866.18	62,000.00	74,736.46	75,000.00
UTILITIES	28,740.32	32,000.00	39,861.92	39,900.00
GPS	6,980.52	7,920.00	10,115.87	10,700.00
TELEPHONE & INTERNET	19,024.42	19,250.00	16,106.64	23,225.00
LIABILITY	59,446.76	77,899.00	79,122.00	94,178.00
OFF SUPPL	11,052.07	25,175.00	29,728.97	30,000.00
TRAVEL EXP	4,540.86	30,601.50	29,409.85	22,434.00
DUES	19,234.00	19,500.00	19,500.00	19,500.00
SAFETY SUPPLIES	3,363.54	4,500.00	4,500.00	21,700.00
SUBSCRIPTIONS	55,019.61	31,550.00	31,457.98	30,000.00
ADVERTISEMENTS	0.00	2,000.00	4,946.73	4,500.00
CONT EDUC	4,003.00	4,400.00	3,458.29	4,400.00
PROF SERV	73,857.74	199,750.00	50,147.87	84,000.00
PUBLIC RELATIONS	37,169.60	40,000.00	8,219.53	20,000.00
TAX ADMIN FEE	61,380.00	63,550.00	68,497.00	70,000.00
MISC	6,729.73	5,000.00	4,823.78	5,000.00
NAME, LOGO & CELEBRATION	0.00	20,000.00	11,453.69	20,000.00
<b>ASSESSMENT SERVICES AND SUPPLIES</b>			<b>263,641.31</b>	<b>224,000.00</b>
<b>TOTAL SERVICE/SUPPLIES</b>	<b>730,886.38</b>	<b>1,065,645.50</b>	<b>1,011,249.00</b>	<b>1,194,537.00</b>
<b>OTHER CHARGES - LONG TERM DEBT</b>				
LEASE PAYMENT	113,818.89	117,828.06	117,828.06	117,828.06
<b>TOTAL OTHER CHARGES</b>	<b>113,818.89</b>	<b>117,828.06</b>	<b>117,828.06</b>	<b>117,828.06</b>
<b>BUILDING IMPROVEMENTS</b>				
SECURITY				85,000.00
PLUMBING				85,000.00
RE-CABLE FACILITY				17,000.00
REPLACE VARIABLE FREQUENCY DRIVES				11,000.00
BUILDING PROJECT	164,275.70			
FISH TANKS	31,618.10			
ROOF REPAIR	46,170.00			
<b>TOTAL BUILDING IMPROVEMENTS</b>	<b>242,063.80</b>	<b>0.00</b>	<b>0.00</b>	<b>198,000.00</b>
<b>CAPITAL ITEMS</b>				
SHOP EQUIP		2,170.00	2,148.29	
SPRAY EQUIPMENT	2,432.00			
LAB EQUIP	7,333.74	55,580.00	0.00	
VEHICLES		52,042.16	44,151.99	19,540.00
<b>ASSESSMENT CAPITAL ITEMS</b>			<b>480,621.33</b>	<b>80,500.00</b>
<b>TOTAL CAPITAL</b>	<b>9,765.74</b>	<b>109,792.16</b>	<b>526,921.61</b>	<b>100,040.00</b>
<b>TOTAL WORKING BUDGET</b>	<b>3,468,905.06</b>	<b>3,977,152.78</b>	<b>4,437,260.50</b>	<b>4,680,861.31</b>
		<b>CARRY OVER</b>	<b>-460,107.72</b>	<b>-243,600.81</b>

### Aedes Assessment Budget 2022-2023

<b>Personnel (Wage Only)*</b>	
Education & Outreach Coordinator	\$ 74,794.46
Vector Control Supervisor	\$ 82,839.53
Vector Control Tech III	\$ 75,308.66
Lab Tech II	\$ 39,392.22
Overtime	\$ 15,000.00
	<b>\$287,334.86</b>

<b>Services and Supplies**</b>	
Surveillance and Trapping	\$ 100,000.00
Control	\$ 170,000.00
Insectary	\$ 15,000.00
Drones	\$ 9,000.00
Utility Vaults	\$ 10,000.00
Fish	\$ 15,000.00
Misc	\$ 30,000.00
Community Outreach	\$ 75,000.00
Spot WALs treatment	\$ 150,000.00
	<b>\$ 574,000.00</b>

<b>Capital Items</b>	
Homogonizer	\$ 25,000.00
John Hock Trap: Bottle Rotator trap	\$ 3,000.00
Microscopes (3)	\$ 4,500.00
Micropate Mixer Plate Shaker	\$ 1,000.00
Right Hand Drive Jeep	\$ 22,000.00
A1 Super Duty	\$ 25,000.00
	<b>\$ 80,500.00</b>

TOTAL ANNUAL COST: **\$ 941,834.86**

\*Wages: Full amount still included in the budget, but will be removed from Assessment funds and documented appropriately.

\*\* Services and Supplies: some of the cost has been folded into existing budgets but will be taken from the Assessment funds and documented appropriately.



## Balance Sheet

	Actual 16/17	Actual 17/18	Actual 18/19	Actual 19/20	Actual 20/21	Budget 21/22	Budget 22/23
Revenue	2,731,495.49	3,491,042.13	3,002,488.58	4,017,788.16	3,273,792.40	4,450,265.90	4,222,162.35
Beginning Cash Balance	4,499,867.47	4,353,758.86	3,740,704.80	3,840,626.09	4,509,347.51	\$ 4,314,234.85	\$ 4,327,240.25
	7,231,362.96	7,844,800.99	6,743,193.38	7,858,414.25	7,783,139.91	8,764,500.75	8,549,402.60
Budget	2,877,604.10	4,104,096.19	2,902,567.29	3,349,066.74	3,468,905.06	4,437,260.50	4,680,861.31
Ending Balance	4,353,758.86	3,740,704.80	3,840,626.09	4,509,347.51	4,314,234.85	4,327,240.25	3,868,541.29
	7,231,362.96	7,844,800.99	6,743,193.38	7,858,414.25	7,783,139.91	8,764,500.75	8,549,402.60
Assessment Reserve	332,665.83	-385,582.71	-382,459.70	0.00	0.00	-9,825.93	0.00
Contingencies	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00
Capital Reserve	75,000.00	75,000.00	75,000.00	75,000.00	75,000.00	75,000.00	75,000.00
District Reserve	3,896,093.03	4,001,287.51	4,098,085.79	4,384,347.51	4,189,234.85	4,212,066.18	3,743,541.29
<b>Revenue</b>	<b>16/17</b>	<b>17/18</b>	<b>18/19</b>	<b>19/20</b>	<b>20/21</b>	<b>21/22</b>	<b>22/23</b>
4001 Current Secured	1,961,142.15	2,083,840.47	2,171,766.69	2,257,053.85	2,402,921.80	2,500,000.00	2,550,000.00
4006 Current Unsecured	112,900.84	123,819.25	130,159.41	136,629.87	146,449.06	170,388.35	170,388.35
4060 RDA Residuals	72,330.00	77,281.00	85,423.00	99,317.00	172,907.00	92,133.00	75,000.00
4075 RD H&S 34188 SA	2,096.16	0.00	1,133.00	1,068.00	940.85	0.00	0.00
4008 Prior Secured	40,877.19	40,880.95	41,151.41	41,143.56	48,722.45	42,402.00	42,402.00
4009 Prior Unsecured	2,322.84	3,761.94	1,964.18	2,283.14	1,622.25	1,200.00	1,200.00
4030 Supplemental Cur Sec	27,213.91	39,030.05	42,998.86	45,451.63	50,547.05	40,000.00	40,000.00
4033 Supplemental Prior	4,267.34	4,109.55	6,013.29	8,739.77	11,678.58	10,000.00	10,000.00
4052 Assessment	160,275.88	815,069.29	141,263.01	976,859.88	17,758.88	1,023,546.00	1,025,528.00
5050 Prop Tax Relief	19,720.46	19,470.42	19,406.96	18,785.97	18,374.90	18,644.00	18,644.00
4801 Interest	52,023.03	52,811.20	71,855.74	96,476.92	63,561.31	36,000.00	36,000.00
5835 Other Revenue	0.00	0.00	0.00	0.00	755.00	0.00	0.00
5250 ARPA (COVID Funds)	0.00	0.00	0.00	0.00	0.00	188,365.00	0.00
4069 RDA Pass Thru	243,383.00	236,641.00	255,019.00	277,496.00	294,033.00	298,000.00	298,000.00
5400 Current Services	4,301.96	3,667.92	5,080.96	6,952.91	8,750.25	0.00	0.00
5401 Assessment Fee	-7,180.00	-58,634.00	-5,821.00	-69,765.00	-96.07	-65,296.00	-70,000.00
5805 Misc	35,820.73	49,293.09	35,074.07	119,294.66	34,866.09	94,883.55	25,000.00
	2,731,495.49	3,491,042.13	3,002,488.58	4,017,788.16	3,273,792.40	4,450,265.90	4,222,162.35
<b>Carry Over</b>	<b>15/16</b>	<b>16/17</b>	<b>17/18</b>	<b>18/19</b>	<b>19/20</b>	<b>20/21</b>	<b>21/22</b>
Reserve	3,960,419.33	4,499,867.47	4,353,758.86	3,740,704.80	3,840,626.09	4,509,347.51	4,314,234.85
Revenue	3,254,990.92	2,731,495.49	3,491,042.13	3,002,488.58	4,017,788.16	3,273,792.40	4,450,265.90
Budget	-2,715,542.78	-2,877,604.10	-4,104,096.19	-2,902,567.29	-3,349,066.74	-3,468,905.06	-4,437,260.50
Ending Balance	4,499,867.47	\$ 4,353,758.86	\$ 3,740,704.80	\$ 3,840,626.09	\$ 4,509,347.51	\$ 4,314,234.85	\$ 4,327,240.25

94.9%

80.0%

## 2022/2023 BUDGET SUMMARY

The Budget Summary explains in detail the budgeted line items for fiscal year 2022/2023. Action will be taken at the August Board meeting to amend this Budget in accordance with the County Auditor's Final Report.

### **Wages**

The Consumer Price Index, West Region data report for April reflected a 9.3% increase for Urban Wage Earners and Clerical Workers over the last 12 months (See: Consumer Price Index, Page 10). The Budget has an 8% COLA increase for all full-time employees. (See: Salary Schedule, Page 11). By using the April data of the West Region Report, we will be using the same data as Tulare Mosquito Abatement District and Kings Mosquito Abatement District. The data will be more in line with the area and will keep staff near the top of the compensation schedule in all positions for the region. Vector Control Technician I and Laboratory Technician I will receive different pay rates starting in 2023. Both will still start with \$16.00/hour with Certified Tech I's starting at \$17.60/hour for the remainder of the 2022 season. The Laboratory Tech I's will continue with this pay scale into 2023. However, in 2023, Vector Control Technician I's will start at \$17.00/hour and Certified Vector Control Technician I's will start with \$18.60/hour.

Staffing: The Vector Control Technician I position will have 10 positions filled. The Laboratory Technician I position will have 6 positions filled. The Vector Control Technician II position will have 3 positions filled, and the Laboratory Technician II position will have 1 position filled. This gives a total of 20 seasonal employees. The Vector Control Technician III/Mechanic position will have 2 positions filled. The Vector Control Technician III will have 1 position filled. The Biologist position will have 4 positions filled. The Community Education and Outreach Coordinator will have 1 position filled. All 8 remaining full-time positions will have one incumbent for a total of 16 full-time employees (See: Chain of Command, Page 12).

Overtime: Overtime will increase three-fold to \$15,000.00 in anticipation of Wide Area Larviciding Systems (WALS) treatments requiring increased application time. As this is the first year with an anticipated WALS program, the number may need to be adjusted.

Budgeted Wages will increase by 12.41%, \$225,755.45; \$2,044,582.67 in 2022/23.

### **Benefits**

*Social Security* will increase by 12.41% \$17,270.29; \$156,410.57.

*OPEB* Trust Fund will not have a contribution to the fund in 2022/23.

*CalPERS* retirement premium will decrease by 2.82%, \$4,075.03; \$140,250.93 (14.54% Classic and 7.59% PEPR of covered payroll).

*CalPERS UAL* will increase by 20.63%, \$33,005.81; \$193,022.81.

*CEPPT* Trust Fund will not have a contribution to the fund budgeted specifically, but extra monies may be contributed to the fund in 2022/23.

*ICMA* will be set at \$15,000.00 to better cover the amount approved by the General Manager's Contract.

*Workers Compensation* will decrease by 6.21%, \$5,239.00; \$79,144.

*Unemployment* will decrease by 7.83%, \$1,530.00; \$18,000.00.

*LTD/STD/DENT/VSP/LTC* premiums are collectively budgeted for a 10% increase effective January 2023 through December 2023; District budgeted expenses will increase by 12.65%, \$4,912.46; \$43,747.73.

*Health Insurance* premiums are budgeted for a 10% increase effective January 2023 through December 2023 at the PERS Choice funding level. This is a best guess. District budgeted expenses will increase by 6.00%, \$15,785.65; \$278,828.33.

Benefits will increase by 18.59%, \$160,813.73; \$1,025,873.57 in 2022/23.

### **Services/Supplies**

The services and supplies requiring funding increase/decrease for the 2022/23 fiscal year:

*Chemicals* will decrease by 10%, \$20,000.00; \$180,000.00 Some (See: Chemical Purchases, Page 13). Some chemical cost will be taken on in the Assessment Services and Supplies line item (See Assessment Budget, Page 4)

*Clothing* will not change.

*Laboratory Supplies* will decrease by 2.53%, \$2,500.00; \$96,500.00 keeping with normal expenditure levels. (See: Laboratory Expenses, Page 14).

*Fish Supplies* will not change. (See: Fish Supplies, Page 15).

*Operational Supplies* will not change.

*Janitorial Supplies* will increase 7.69%, \$250.00; \$3,500.00 keeping with normal expenditure levels.

*Maintenance Contract* will increase by 99.64%, \$27,700.00; \$55,500.00 due to items being moved from *Building and Yard* that were better categorized as *Maintenance Contract* and anticipated cost of renewed contracts. (See: Maintenance Contract, Page 16).

*Building & Yard* will decrease by 63.64%, \$35,000.00; \$20,000.00 due to items being moved from *Building and Yard* to *Maintenance Contract* to be more correctly categorized.

*Auto Supply/Maintenance* will increase by 25%, \$5,000.00; \$25,000.00 keeping with normal expenditure levels.

*Gasoline* will increase by 20.97%, \$13,000.00; \$75,000.00 due to increased fuel prices.

*Utilities* will increase by 24.69%, \$7,900; \$39,900.00 due to better understanding of new fish hatchery energy consumption.

*GPS* will increase by 35.10%, \$2,780.00; \$10,700.00 due to increased number of vehicles requiring GPS units.

*Telephone and Internet* will increase by 20.65%, \$3,975.00; \$23,225.00 keeping with normal expenditure levels and necessary mobile phone upgrades.

*Liability* will increase by 20.90%, \$16,279.00; \$94,178.00 as given by VCJPA. This is in part due to a rate increase driven by the insurance market.

*Office Supplies* will increase by 19.17%, \$4,825.00; \$30,000.00 increasing to help make necessary purchases and including non-capital one-time purchases such as new computers and printers to replace nonfunctional models.

*Travel Expenses* will decrease by 26.69%, \$8,167.00; \$22,434.00 (See: Travel Schedule, Page 17).

*Dues* will not change.

*Safety Supplies* will increase by 382.22%, \$17,200.00; \$21,700.00 due to regular purchases and one-time purchases to better protect the safety of staff and the public. (See Safety Supplies, Page 18)

*Subscriptions* will decrease by 4.91%, \$1,550.00; \$30,000.00 keeping with normal expenditure levels.

*Advertisements* will increase by 125.00%, \$2,500.00; \$4,500.00 due to change in billing structure of employment sites.

*Continuing Education* will not change.

*Professional Services* will decrease by 57.95%, \$115,750.00; \$84,000.00 due to removing the onetime payment to SCI to perform the Benefit Assessment.

*Public Relations* will decrease by 50.00%, \$20,000.00; \$20,000.00 with money being put aside in the Assessment Budget for these actions. (See Assessment Budget, Page 4)

*Tax Admin Fee* will increase by 1.15%, \$6,450.00; \$70,000.00 keeping with normal expenditure levels.

*Miscellaneous* will not change.

*Name, Logo & 100-Year Celebration* will not change.

*Assessment Services and Supplies* is a new line item, to contain items paid for by the assessment funds not specifically distributed into the budget.

Total Services and Supplies will increase by 12.10%, \$128,891.50; \$1,194,537.00.

### **Long Term Debt**

CSDA Financing for Fish Hatchery and Offices (See: Schedule of Lease Payments, Page 19).

### **Building Improvements**

Security – Increase and change security company, \$85,000.00

Plumbing – Fix the plumbing in the wash bay, \$85,000.000

Re-Cable Facility – Redo wiring for internet and other systems, \$17,000.00

Replace Variable Frequency Drives – Ensure continued use of BSL-3, \$11,000.00

### **Capital (See: Page 20)**

Vehicles - \$19,540.00

Assessment: Laboratory Equipment - \$33,500.00

Assessment: Vehicles - \$22,000.00

Assessment: Operations Equipment - \$25,000.00

### **Total Budget**

The 2022/23 Budget will increase by 5.49% of the 2021/2022 \$4,437,260.50 budget or 17.69% of the 2021/2022 \$3,977,152.78 budget, for a total of **\$4,680,861.31**. Revenue is projected to be \$4,222,162.35, which includes Assessment amount of \$1,025,528.00

The Unallocated General Reserve has been set at **\$3,743,541.29 (80.00%** of the Operational Budget). Board Resolution 14-03 stipulates an Unallocated Reserve will have no less than 80% and no more than 100% of the operating budget.

Assessment Reserve is \$0.00

The Capital Reserve has been set at \$75,000.

The Appropriation for Contingency Reserve has been set at \$50,000.

## CONSUMER PRICE INDEXES PACIFIC CITIES AND U. S. CITY AVERAGE APRIL 2022

(All items indexes. 1982-84=100 unless otherwise noted. Not seasonally adjusted.)

MONTHLY DATA	All Urban Consumers (CPI-U)						Urban Wage Earners and Clerical Workers (CPI-W)					
	Indexes			Percent Change			Indexes			Percent Change		
				Year ending	1 Month ending	Year ending				1 Month ending		
	Apr 2021	Mar 2022	Apr 2022	March 2022	Apr 2022	Apr 2022	Apr 2021	Mar 2022	Apr 2022	Mar 2022	Apr 2022	Apr 2022
U. S. City Average.....	267.054	287.504	289.109	8.5	8.3	0.6	261.237	283.176	284.575	9.4	8.9	0.5
West.....	283.507	305.082	307.145	8.7	8.3	0.7	275.807	298.396	300.350	9.4	8.9	0.7
West – Size Class A <sup>1</sup> .....	292.049	313.718	315.653	8.4	8.1	0.6	282.854	305.249	306.906	8.9	8.5	0.5
West – Size Class B/C <sup>2</sup> .....	165.088	178.019	179.339	9.0	8.6	0.7	165.227	179.210	180.584	9.8	9.3	0.8
Mountain <sup>3</sup> .....	110.748	120.670	121.551	10.4	9.8	0.7	111.541	121.928	122.867	10.8	10.2	0.8
Pacific <sup>3</sup> .....	109.951	117.774	118.546	8.1	7.8	0.7	110.444	119.079	119.811	8.9	8.5	0.6
Los Angeles-Long Beach-Anaheim, CA.....	285.808	306.679	308.302	8.5	7.9	0.5	277.126	297.870	299.436	8.7	8.1	0.5
BI-MONTHLY DATA (Published for odd months)	Indexes			Percent Change			Indexes			Percent Change		
				Year ending	2 Months ending	Year ending				2 Months ending		
	Mar 2021	Jan 2022	Mar 2022	Jan 2022	Mar 2022	Mar 2022	Mar 2021	Jan 2022	Mar 2022	Jan 2022	Mar 2022	Mar 2022
Riverside-San Bernardino-Ontario, CA <sup>3</sup> .....	110.981	118.963	122.127	8.6	10.0	2.7	111.823	119.557	122.861	8.5	9.9	2.8
San Diego-Carlsbad, CA.....	315.035	332.990	339.852	8.2	7.9	2.1	298.292	317.043	324.430	8.8	8.8	2.3
Urban Hawaii.....	290.361	304.988	312.158	6.0	7.5	2.4	288.147	303.163	309.323	6.4	7.3	2.0
BI-MONTHLY DATA (Published for even months)	Indexes			Percent Change			Indexes			Percent Change		
				Year ending	2 Months ending	Year ending				2 Months ending		
	Apr 2021	Feb 2022	Apr 2022	Feb 2022	Apr 2022	Apr 2022	Apr 2021	Feb 2022	Apr 2022	Feb 2022	Apr 2022	Apr 2022
Phoenix-Mesa-Scottsdale, AZ <sup>4</sup> .....	150.787	163.261	167.396	10.9	11.0	2.5	149.951	162.418	167.209	11.1	11.5	2.9
San Francisco-Oakland-Hayward, CA.....	309.419	320.195	324.878	5.2	5.0	1.5	302.294	316.463	322.021	6.5	6.5	1.8
Seattle-Tacoma-Bellevue, WA.....	290.068	310.078	316.525	8.1	9.1	2.1	286.700	305.702	310.928	8.1	8.5	1.7
Urban Alaska.....	233.519	246.369	251.041	7.4	7.5	1.9	233.438	246.084	251.441	7.4	7.7	2.2

1 Population over 2,500,000    2 Population 2,500,000 and under, Dec 1996 = 100    3 Dec 2017=100    4 Dec 2001=100

**NOTE:** In January 2018, BLS introduced a new geographic area sample for the Consumer Price Index (CPI): [www.bls.gov/regions/west/factsheet/2018cpirevisionwest.pdf](http://www.bls.gov/regions/west/factsheet/2018cpirevisionwest.pdf)

1967=100 base year indexes and tables with semiannual and annual average data are available at: [www.bls.gov/regions/west/factsheet/consumer-price-index-data-tables.htm](http://www.bls.gov/regions/west/factsheet/consumer-price-index-data-tables.htm)

Release date May 11, 2022. The next release date is scheduled for June 10, 2022. For questions, please contact us at [BLInfoSF@bls.gov](mailto:BLInfoSF@bls.gov) or (415) 625-2270.

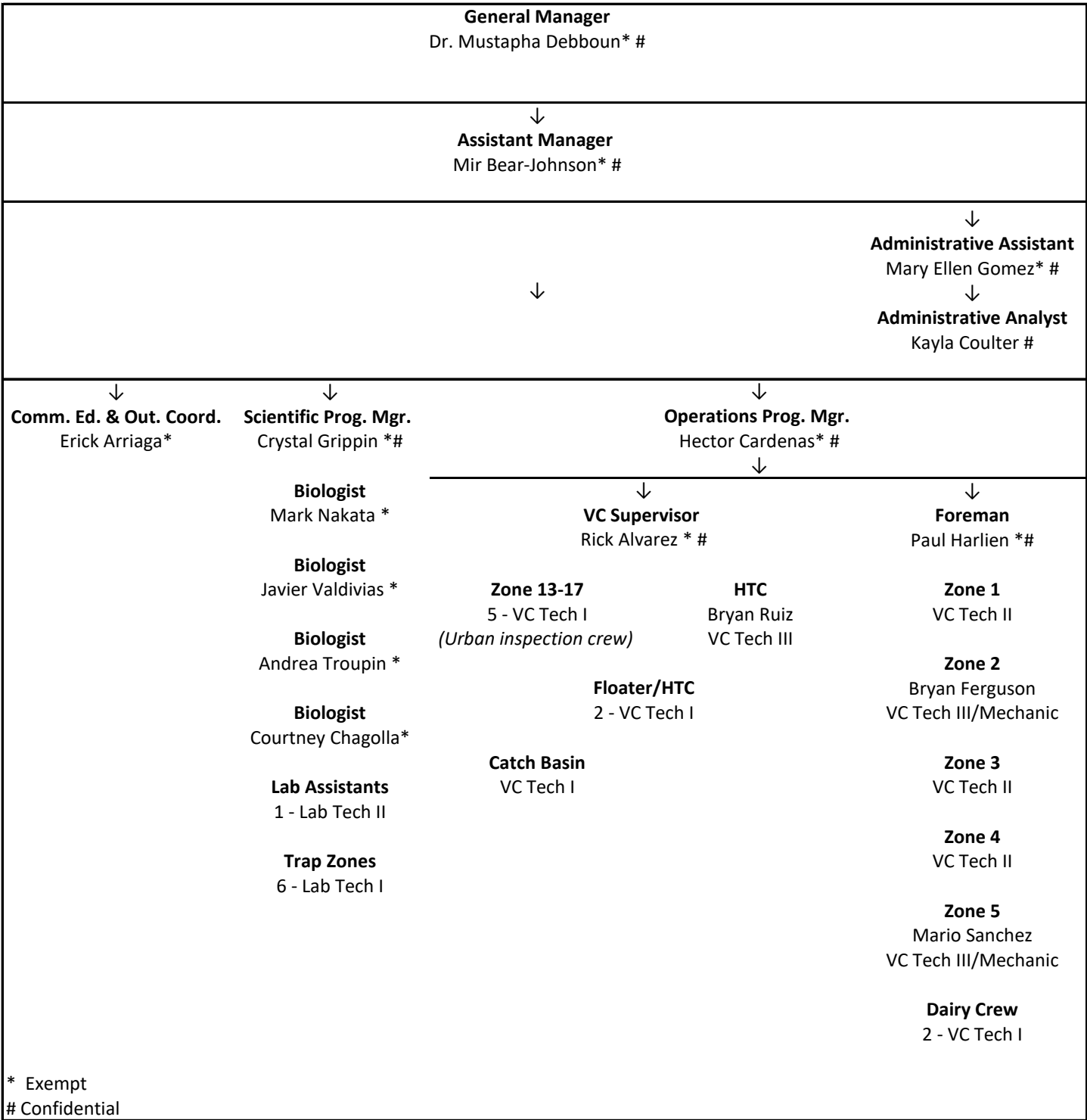
**DELTA VECTOR CONTROL DISTRICT  
FISCAL YEAR 2022/2023 SALARY SCHEDULE**

Effective July 1, 2022

GENERAL MANAGER	ANNUAL PER CONTRACT						190,874.48
PAY STEPS: ANNUAL, MONTHLY & HOURLY – FULL-TIME & PART-TIME							
	STEP	1	2	3	4	5	
ASSISTANT MANAGER	ANNUAL	97,172.46	103,245.74	109,319.02	115,392.30	121,465.58	
	PER MONTH	8,097.71	8,603.81	9,109.92	9,616.03	10,122.13	
	PER HOUR			EXEMPT			
PROGRAM MANAGER	ANNUAL	87,309.46	92,766.30	98,223.14	103,679.98	109,136.82	
	PER MONTH	7,275.79	7,730.53	8,185.26	8,640.00	9,094.74	
	PER HOUR			EXEMPT			
BIOLOGIST	ANNUAL	81,284.77	86,365.06	91,445.36	96,525.66	101,605.96	
	PER MONTH	6,773.73	7,197.09	7,620.45	8,043.81	8,467.16	
	PER HOUR			EXEMPT			
FOREMAN	ANNUAL	79,827.18	84,816.38	89,805.58	94,794.78	99,783.97	
	PER MONTH	6,652.26	7,068.03	7,483.80	7,899.56	8,315.33	
	PER HOUR			EXEMPT			
ADMINISTRATIVE ASSISTANT	ANNUAL	76,426.14	81,202.78	85,979.41	90,756.05	95,532.68	
	PER MONTH	6,368.85	6,766.90	7,164.95	7,563.00	7,961.06	
	PER HOUR			EXEMPT			
COMM ED & OUTREACH COORDINATOR	ANNUAL	70,741.55	75,162.9	79,584.25	84,005.60	88,426.94	
	PER MONTH	5,895.13	6,263.58	6,632.02	7,000.47	7,368.91	
	PER HOUR			EXEMPT			
ADMINISTRATIVE ANALYST I	ANNUAL	68,652.35	72,943.12	77,233.89	81,524.66	85,815.43	
	PER MONTH	5,721.03	6,078.59	6,436.16	6,793.72	7,151.29	
	PER HOUR	33.01	35.07	37.13	39.19	41.26	
V.C. SUPERVISOR	ANNUAL	66,271.62	70,413.6	74,555.57	78,697.55	82,839.52	
	PER MONTH	5,522.64	5,867.80	6,212.96	6,558.13	6,903.29	
	PER HOUR			EXEMPT			
V.C. TECHNICIAN III	ANNUAL	60,246.93	64,012.36	67,777.79	71,543.23	75,308.66	
	PER MONTH	5,020.58	5,334.36	5,648.15	5,961.94	6,275.72	
	PER HOUR	28.96	30.78	32.59	34.40	36.21	
V.C. TECH III/ MECHANIC	ANNUAL	60,246.93	64,012.36	67,777.79	71,543.23	75,308.66	
	PER MONTH	5,020.58	5,334.36	5,648.15	5,961.94	6,275.72	
	PER HOUR	28.96	30.78	32.59	34.40	36.21	
CERTIFIED V.C. TECHNICIAN II	PER HOUR	28.96	30.78	32.59	34.40	36.21	
CERTIFIED LAB TECHNICIAN I	PER HOUR	17.60	18.70	19.80	20.90	22.00	
CERTIFIED V.C. TECHNICIAN I 2022	PER HOUR	17.60	18.70	19.80	20.90	22.00	
CERTIFIED V.C. TECHNICIAN I 2023	PER HOUR	18.60	19.76	20.93	22.09	23.25	
V.C. TECHNICIAN I 2022	PER HOUR	16.00	17.00	18.00	19.00	20.00	
V.C. TECHNICIAN I 2023	PER HOUR	17.00	18.06	19.13	20.19	21.25	
LAB TECHNICIAN I	PER HOUR	16.00	17.00	18.0	19.00	20.00	

NOTE 1: INDICATED SALARY RATES DO NOT INCLUDE LONGEVITY PAY  
LONGEVITY PAY IS: 10 YEARS OF SERVICE = 5%, 20 YEARS OF SERVICE = 10%, 30 YEARS OF SERVICE = 15%.

NOTE 2: PAY FOR V.C. TECHNICIAN I WILL CHANGE JANUARY 2023, BOTH PAY RATES ARE MARKED. 2023 RATES ARE HIGHLIGHTED IN GREY.



\* Exempt  
 # Confidential



Chemical Purchase

Product Name	Price	Order	Total with Estimated Tax	% of Total
<b>Larvicides</b>			<b>\$ 164,010.05</b>	<b>91.12%</b>
Altosid XR Briq 150 (cases)	\$ 781.77	1	\$ 847.05	
AltoSid Liq (case)	\$ 1,089.53	4	\$ 4,722.04	
Altosid Pellets WSP (cases)	\$ 725.12	100	\$ 78,566.75	
Altosid XRG (lbs.)	\$ 372.45	10	\$ 4,035.47	
Natular 2EC Liquid (case)	\$ 6,169.24	1	\$ 6,684.37	
Natular G30 (40lb bag)	\$ 699.99	2	\$ 1,516.87	
Natular WSP (G30)	\$ 513.46	1	\$ 556.33	
Natular XRT Briq	\$ 1,108.07	4	\$ 4,802.39	
Natular DT (12 card pack)	\$ 351.75	1	\$ 381.12	
BVA-2 (Larvicide Oil)	\$ 9.84	3700	\$ 39,434.04	
Vectobac 12AS (Tote)	\$ 8,606.27	2	\$ 18,649.78	
Vectobac 12AS (30gal)(gal.)	\$ 32.60	10	\$ 353.22	
Vectobac 12AS (2x2.5gal)(gal.)	\$ 33.48	25	\$ 906.75	
Vectobac G (lbs.)	\$ 2.13	40	\$ 92.41	
Vectobac GR (BTI sand)	\$ 2.44	40	\$ 105.80	
Vectolex FG (lbs.)	\$ 6.70	40	\$ 290.16	
Vectomax WSP (case)	\$ 1,376.08	1	\$ 1,490.98	
Vectomax FG (bag)	\$ 367.50	1	\$ 398.19	
Vectoprime (bag)	\$ 162.74	1	\$ 176.33	
<b>Adulticides</b>			<b>\$ 15,974.05</b>	<b>8.88%</b>
Fyfanon EW (drum)	\$ 1,842.88	8	\$ 15,974.05	
<b>Total</b>			<b>\$179,984.10</b>	

## Lab Expenses

Category	Item	Cost	Total
<b>General</b>			<b>\$ 3,660.00</b>
	Supplies	\$ 135.00	
	Tools	\$ 75.00	
	Equipment	\$ 300.00	
	Annual Calibration & Certification	\$ 1,650.00	
	Biohazard Waste Management	\$ 1,500.00	
<b>Surveillance</b>			<b>\$ 27,105.00</b>
	Maintenance	\$ 4,975.00	
	Traps	\$ 2,700.00	
	Attractants	\$ 16,650.00	
	Batteries	\$ 2,780.00	
<b>Disease Testing</b>			<b>\$ 52,545.00</b>
	General	\$ 675.00	
	Primers & Probes	\$ 4,185.00	
	RNA Extraction	\$ 34,075.00	
	qPCR	\$ 13,610.00	
<b>Insectary</b>			<b>\$ 6,780.00</b>
	General	\$ 575.00	
	Colony Rearing	\$ 5,100.00	
	Resistance Testing	\$ 285.00	
	Efficacy Testing	\$ 795.00	
	Facility	\$ 25.00	
<b>Projects</b>			<b>\$4,500.00</b>
	Surveillance	\$ 1,500.00	
	Publishing	\$ 3,000.00	
		<b>TOTAL</b>	<b>\$94,590.00</b>
		Ship Cost Est.	\$1,910.00
		<b>GRAND TOTAL</b>	<b>\$96,500.00</b>

Fish Supplies

Category	Item	Cost	Total
<b>Facility</b>			
	Marine Epoxy	\$ 40.00	
	Danco Silicone Grease	\$ 50.00	
	Contractor Nozzle Set (7)	\$ 95.00	
	Carbon Filter (4)	\$ 475.00	
	UV Filter (5)	\$ 480.00	
	Unexpected PVC repairs	\$ 600.00	
	Unexpected Replacement part	\$ 400.00	
	Bird Exclusion	\$ 830.00	
	Extension Cord (7)	\$ 65.00	
<b>Equipment</b>			
	Nets	\$ 160.00	
	5-Gallon Buckets (5)	\$ 30.00	
	Bucket Lids (5)	\$ 45.00	
	Flat Socket Cap Screw (30)	\$ 55.00	
<b>Supplies</b>			
	Microfiber Cloth	\$ 45.00	
	Hardwood Broom Handle (3)	\$ 35.00	
	Broom Head (2)	\$ 45.00	
<b>Food</b>			
	Aquaxcel 0.6mm, 25kg	\$ 250.00	
	Aquaxcel Meal 0.4 mm, 25kg	\$ 280.00	
	Water Lettuce	\$ 50.00	
	Lift Legacy Fish Food	\$ 100.00	
<b>Chemicals</b>			
	API Freshwater Test Kit (7)	\$ 200.00	
	Aquaponics Test Kit Refill	\$ 175.00	
	Multi-Test Strips (2)	\$ 40.00	
	API Stress Coat	\$ 70.00	
	Salt 40lbs	\$ 10.00	
	Mardel Maracyn	\$ 95.00	
	Fritz ParaCleanse	\$ 90.00	
	Aquarium Solutions Ich - X	\$ 30.00	
	Vinegar	\$ 90.00	
	Pure Baking Soda	\$ 35.00	
	Bleach	\$ 35.00	
<b>Total</b>			<b>\$ 5,000.00</b>

<b>Maintenance Contracts</b>		
<b>Product</b>		<b>Annual Cost</b>
EMD Networking		\$ 30,570.00
Giotto's		\$ 2,550.00
Pacific West		\$ 3,300.00
Wizix Technology Group		\$ 690.00
American Incorporated: HVAC Maintenance		\$ 2,400.00
Pure Sun: Solar Panel Cleaning		\$ 660.00
Thermofisher Kingfisher Maintenance		\$ 7,750.00
Thermofisher PCR Machine Maintenance		\$ 5,980.00
HEPA Filter Install and Hood Certification		\$ 1,600.00
	<b>Total</b>	<b>\$ 55,500.00</b>

Travel	Location	Registration #	# of Nights	# of Staff	Hotel	\$ per night	Per Diem	Air	Per Person Cost	Grand Total	Date
<b>MVCAC</b>											
Fall	Visalia, CA		0	5	N/A		\$34.00		\$34.00	\$ 170.00	11/2/22-11/3/22
Planning	Oakland, CA		3	1	Oakland Waterfront Hotel	\$260.00	\$185.00		\$ 965.00	\$ 965.00	12/6/22-12/7/22
Annual	Anaheim, CA	\$350.00	4	4	Disneyland Hotel, Anaheim	\$275.00	\$259.00		\$ 1,709.00	\$ 6,836.00	1/29/23-2/1/23
Spring	Sacramento, CA		3	1	Hyatt Regency Sacramento	\$275.00	\$172.50		\$997.50	\$ 997.50	?
<b>AMCA</b>											
Annual	Reno, Nevada	\$450.00	5	3	?	\$185.00	\$310.50	\$375.00	\$2,060.50	\$5,731.50	02/27/2023 - 03/03/2023
<b>ESA</b>											
Annual	Vancouver, Canada	\$355.00	4	1	?		\$518.00		\$873.00	\$ 873.00	11/13/22-11/16/22
<b>SOVE</b>											
Annual	Honolulu, HI	\$495.00	5	2	Hilton Waikiki Beach	\$250.00	\$535.50	\$650.00	\$ 2,930.50	\$ 5,861.00	9/19/22 - 9/23/22
Misc.					Additional Trainings				\$ 1,000.00	\$ 1,000.00	
										<b>\$22,434.00</b>	

Everything is an estimation

### Safety Supplies

<b>Item</b>	<b>Total</b>
Insect Repellent	\$110.00
Gatorade	\$600.00
Rubber boots	\$150.00
Respirators	\$1,000.00
Annual Fire Ext. service	\$450.00
Safety glasses	\$200.00
Gloves, Nitrile	\$500.00
Gloves, Other	\$200.00
Hearing Protection	\$50.00
Safety Signage	\$40.00
Secondary Containment	\$3,200.00
Firebox for drone	\$1,000.00
Vinyl Caution signs for Trucks	\$1,500.00
Lights on trucks	\$12,500.00
Other	\$200.00
<b>Total</b>	<b>\$21,700.00</b>

**EXHIBIT C**

**SCHEDULE OF LEASE PAYMENTS**

PMT #	Due Date	Lease Payment	To Principal	To Interest
1	10/01/20	\$54,904.86	\$44,481.03	10,423.83
2	04/01/21	58,914.03	45,110.44	13,803.59
3	10/01/21	58,914.03	45,748.75	13,165.28
4	04/01/22	58,914.03	46,396.09	12,517.94
5	10/01/22	58,914.03	47,052.60	11,861.43
6	04/01/23	58,914.03	47,718.39	11,195.64
7	10/01/23	58,914.03	48,393.61	10,520.42
8	04/01/24	58,914.03	49,078.38	9,835.65
9	10/01/24	58,914.03	49,772.84	9,141.19
10	04/01/25	58,914.03	50,477.12	8,436.91
11	10/01/25	58,914.03	51,191.37	7,722.66
12	04/01/26	58,914.03	51,915.73	6,998.30
13	10/01/26	58,914.03	52,650.34	6,263.69
14	04/01/27	58,914.03	53,395.34	5,518.69
15	10/01/27	58,914.03	54,150.89	4,763.14
16	04/01/28	58,914.03	54,917.12	3,996.91
17	10/01/28	58,914.03	55,694.20	3,219.83
18	04/01/29	58,914.03	56,482.27	2,431.76
19	10/01/29	58,914.03	57,281.50	1,632.53
20	04/01/30	58,914.03	58,091.99	822.04
TOTALS:		<u>\$1,174,271.43</u>	<u>\$1,020,000.00</u>	<u>\$154,271.43</u>

# CAPITAL PURCHASES

## Vehicles

Annual payment for four (4) leased trucks	\$ 19,540.00
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## ASSESSMENT

### Laboratory Equipment

Homogenizer	\$ 25,000.00
John Hock Trap: Bottle	
Rotator trap	\$ 3,000.00
Microscopes (3)	\$ 4,500.00
Microplate Mixer/Plate Shaker	\$ 1,000.00

### Vehicles

Right Hand Drive Jeep	\$ 22,000.00
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### Operations Equipment

A1 Super Duty	\$ 25,000.00
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ASSESSMENT TOTAL	\$ 80,500.00
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<b>ALL TOTAL</b>	<b>\$100,040.00</b>
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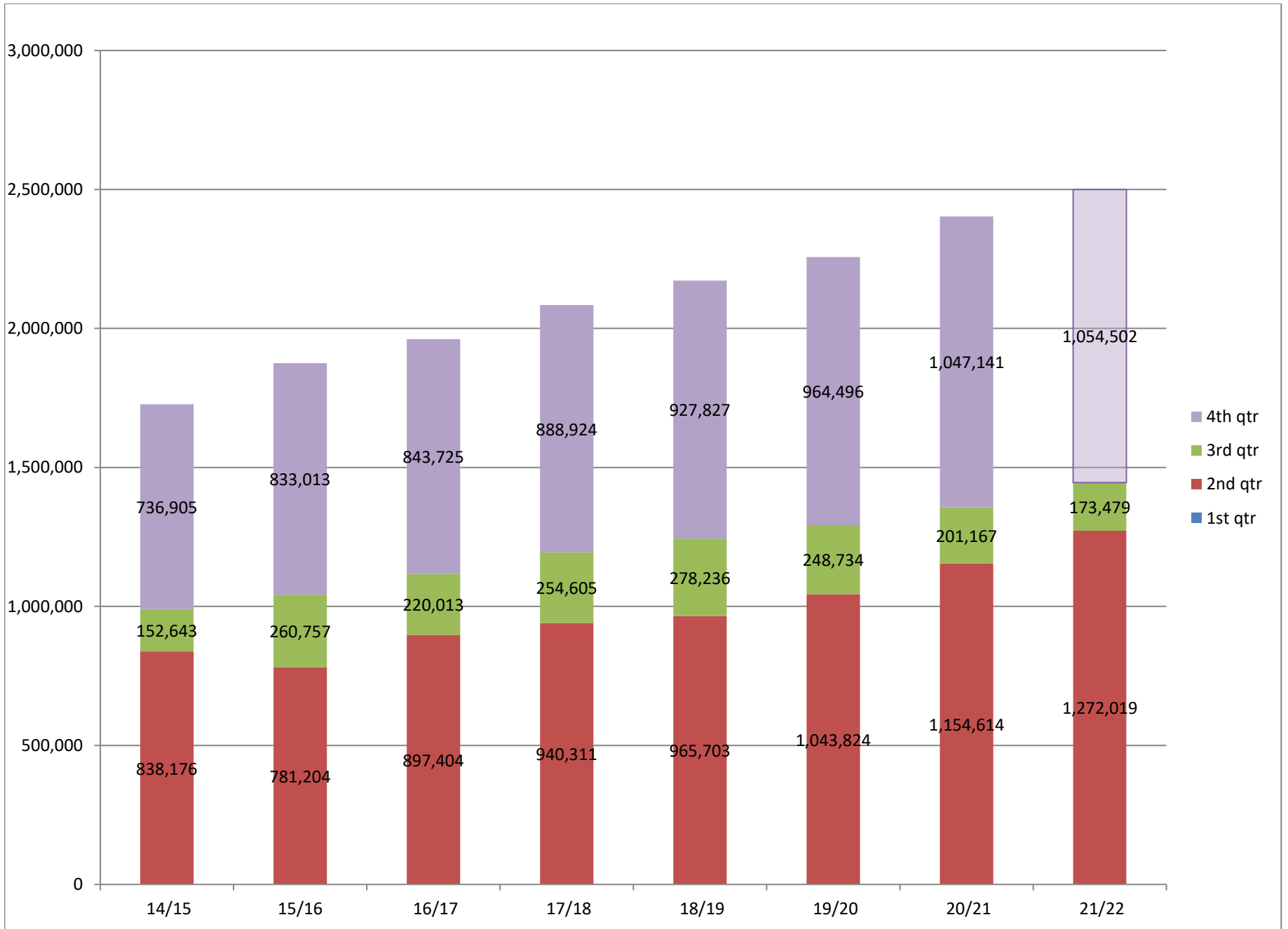


# MONTHLY EXPENSE REPORT 2021-22

21-22 FY Expenses	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total Expense	Budget	Carry Over
Manager	13,389.06	13,389.06	13,389.06	13,389.06	13,389.06	13,389.06	13,389.06	13,389.06	13,389.06	14,058.52	14,058.52	14,058.52	162,677.10	160,668.75	-2,008.35
Assistant Manager	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	9,372.34	112,468.08	112,468.13	0.05
Operations Program Manager	8,000.63	8,000.63	8,000.63	8,000.63	8,000.63	8,000.63	8,000.63	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	98,113.01	97,692.00	-421.01
Scientific Program Manager	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	8,421.72	101,060.64	101,060.64	0.00
Foreman	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	7,698.71	92,384.52	92,384.53	0.01
Biologist	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,271.44	6,271.44	12,542.88	0.00	-12,542.88
Biologist	7,055.37	7,055.37	7,055.37	7,055.37	7,055.37	7,055.37	7,055.37	7,447.33	7,447.33	7,447.33	7,447.33	7,447.33	86,624.24	86,624.24	0.00
Biologist	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	7,839.30	94,071.60	94,071.55	-0.05
Biologist	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	6,663.40	7,055.37	80,352.77	80,352.77	0.00
Education & Outreach Coordinator	0.00	3,023.04	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	5,457.38	57,596.84	67,535.16	9,938.32
Admin Assistant	7,370.68	7,370.68	7,370.68	7,370.68	7,370.68	7,370.68	7,370.68	43,895.00	0.00	0.00	0.00	0.00	95,489.76	88,448.15	-7,041.61
Admin Assistant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,265.08	6,265.08	6,265.08	6,265.08	25,060.32	0.00	-25,060.32
Admin Analyst	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	5,958.81	0.00	0.00	0.00	0.00	47,670.46	71,505.72	23,835.26
Admin Analyst	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,296.71	5,296.71	5,296.71	15,890.13	0.00	-15,890.13
VC Supervisor	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	6,393.28	76,719.36	76,719.33	-0.03
VCT III/ Mechanic (3 employees)	9,878.45	9,878.45	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	10,169.00	122,609.06	120,276.36	-2,332.70
VCT III (1 employee)	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	5,810.85	69,730.20	69,730.24	0.04
Lab Tech II (1)													4,224.00		
VCT II (3 employees)	12,959.79	12,982.08	13,075.95	18,847.88	7,752.00	9,468.72	9,576.00	9,120.00	10,488.00	9,290.32	13,680.00	14,016.00	141,256.74	135,571.60	-5,685.14
VCT I (16 employees)	33,881.54	38,142.74	34,450.06	32,259.23	714.24	0.00	0.00	0.00	0.00	0.00	25,000.00	45,000.00	264,447.81	303,295.49	38,847.68
Over-Time	96.27	850.99	0.00	994.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,058.67	3,000.00	5,000.00	2,000.00
Trustee Payroll	2,000.00	0.00	0.00	2,000.00	0.00	0.00	2,100.00	0.00	0.00	2,100.00	0.00	0.00	8,200.00	8,400.00	200.00
Longevity	2,293.57	2,293.57	2,293.57	2,293.57	2,293.57	2,293.57	2,293.57	2,293.57	1,925.03	1,925.03	1,925.03	1,925.03	26,048.68	27,522.56	1,473.88
ASE Certificate	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	16,500.00	19,500.00	3,000.00
<b>TOTAL WAGES</b>	<b>156,458.77</b>	<b>162,520.02</b>	<b>160,795.11</b>	<b>167,370.28</b>	<b>121,735.34</b>	<b>122,737.82</b>	<b>124,945.09</b>	<b>159,726.46</b>	<b>117,137.20</b>	<b>149,005.69</b>	<b>178,147.89</b>	<b>194,158.53</b>	<b>1,814,738.20</b>	<b>1,818,827.22</b>	<b>4,089.02</b>
Social Security/Medicare	11,958.28	12,404.20	12,289.99	12,683.48	9,238.69	8,548.47	9,558.00	9,467.00	10,446.00	14,452.00	15,911.32	16,782.00	143,739.43	139,140.28	-4,599.15
CalPERS - OPEB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Retirement - District 14.54% (PEPRA 7.59%)	10,457.04	11,986.58	13,003.66	12,828.16	11,957.40	10,910.52	14,270.00	14,270.00	14,270.00	14,270.00	14,270.00	14,270.00	156,763.36	144,325.96	-12,437.40
PERS - UAL	160,017.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160,017.00	160,017.00	0.00
ICMA	0.00	0.00	0.00	0.00	0.00	18,993.95	903.76	957.99	957.99	957.99	957.99	957.99	24,687.66	0.00	-24,687.66
Workers' Comp	84,408.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84,408.00	84,383.00	-25.00
Unemployment	6,027.78	0.00	0.00	3,781.33	0.00	0.00	583.40	0.00	0.00	7,812.00	0.00	0.00	18,204.51	19,530.00	1,325.49
Life/LTD/STD; Dental; Vision; Long Term Care	2,799.14	3,070.78	3,157.09	3,225.73	3,196.49	3,005.06	3,693.94	3,693.94	3,768.94	3,768.94	3,768.94	3,768.94	40,917.93	38,835.27	-2,082.66
Health	20,490.96	22,608.96	25,252.30	22,333.28	24,357.55	25,809.49	27,620.20	29,913.00	34,850.00	34,850.00	34,850.00	34,850.00	337,785.74	278,828.33	-58,957.41
<b>BENEFITS</b>	<b>296,158.20</b>	<b>50,070.52</b>	<b>53,703.04</b>	<b>54,851.98</b>	<b>48,750.13</b>	<b>67,267.49</b>	<b>56,629.30</b>	<b>58,301.93</b>	<b>64,292.93</b>	<b>76,110.93</b>	<b>69,758.25</b>	<b>70,628.93</b>	<b>966,523.63</b>	<b>865,059.84</b>	<b>-101,463.79</b>
<b>TOTAL WAGES &amp; BENEFITS</b>	<b>452,616.97</b>	<b>212,590.54</b>	<b>214,498.15</b>	<b>222,222.26</b>	<b>170,485.47</b>	<b>190,005.31</b>	<b>181,574.39</b>	<b>218,028.39</b>	<b>181,430.13</b>	<b>225,116.62</b>	<b>247,906.14</b>	<b>264,787.46</b>	<b>2,781,261.83</b>	<b>2,683,887.06</b>	<b>-97,374.77</b>
Chemicals	12,346.43	13,367.20	2,804.14	0.00	0.00	54,671.57	10,127.59	7,638.40	0.00	0.00	0.00	0.00	100,955.33	200,000.00	99,044.67
Uniforms	1,303.90	957.37	1,238.27	892.07	1,030.74	228.85	0.00	345.64	259.60	226.44	1,000.00	500.00	7,982.88	8,000.00	17.12
Lab Supplies	2,397.58	9,470.10	1,797.08	1,996.49	1,646.25	3,363.34	21,571.22	2,207.48	3,857.10	3,136.03	1,000.00	1,000.00	53,442.67	99,000.00	45,557.33
Fish Supplies	1,193.51	2,905.56	123.97	0.00	61.97	56.29	67.21	357.43	0.00	0.00	0.00	0.00	4,765.94	5,000.00	234.06
Operational Supplies	103.89	52.94	217.90	0.00	7.58	0.00	0.00	86.80	1,917.03	0.00	0.00	0.00	2,386.14	2,500.00	113.86
Janitorial Supplies	356.80	342.59	279.52	158.70	654.77	335.19	0.00	428.50	510.50	162.61	100.00	100.00	3,429.18	3,250.00	-179.18
Maint Contracts	6,914.26	4,157.40	2,885.77	543.30	0.00	4,120.02	2,532.25	5,530.55	3,227.25	3,112.65	3,300.00	3,300.00	39,623.45	27,800.00	-11,823.45
Bldg/Yard Supplies & Maint	1,924.57	742.88	231.75	654.94	517.13	3,577.12	456.23	10,257.41	8,721.24	198.99	100.00	250.00	27,632.26	55,000.00	27,367.74
Auto Supplies & Maint	985.41	1,107.74	657.79	1,091.57	2,529.47	6,722.53	710.83	4,843.27	1,254.43	400.22	500.00	500.00	21,303.26	20,000.00	-1,303.26
Gasoline	12,569.49	9,099.42	4,365.54	7,888.95	4,368.27	728.93	75.38	1,045.22	811.86	3,783.40	15,000.00	15,000.00	74,736.46	62,000.00	-12,736.46
Utilities	4,250.25	5,080.07	4,299.38	4,334.95	2,166.04	2,882.96	1,883.60	3,975.31	2,535.06	1,854.30	3,300.00	3,300.00	39,861.92	32,000.00	-7,861.92
GPS	1,319.34	659.67	799.67	0.00	659.67	1,519.34	1,719.14	859.67	0.00	859.37	860.00	860.00	10,115.87	7,920.00	-2,195.87
Telephone & Cell Phone	1,438.71	1,171.69	1,176.16	1,224.50	527.52	2,996.34	1,498.02	1,473.11	1,024.21	435.38	1,641.00	1,500.00	16,106.64	19,250.00	3,143.36
Liability Ins.	77,899.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,223.00	0.00	0.00	0.00	79,122.00	77,899.00	-1,223.00
Office Supplies	184.34	9,642.42	514.93	1,486.88	2,831.90	1,643.48	3,168.23	5,906.23	1,969.04	1,291.81	89.71	1,000.00	29,728.97	25,175.00	-4,553.97
Travel	471.52	392.14	2,363.62	1,275.17	1,989.54	7,758.44	1,207.50	5,587.40	5,611.40	172.50	1,080.62	1,500.00	29,409.85	30,601.50	1,191.65
Dues	620.00	10,500.00	0.00	0.00	7,792.00	0.00	0.00	0.00	0.00	0.00	0.00	588.00	19,500.00	19,500.00	0.00
Safety Supplies	388.39	216.83	892.19	0.00	176.55	764.24	0.00	794.33	0.00	0.00	1,000.00	267.47	4,500.00	4,500.00	0.00
Subscriptions	138.00	8,203.78	737.88	1,475.06	186.00	1,121.36	0.00	715.90	11,280.00	0.00	7,600.00	0.00	31,457.98	31,550.00	92.02
Advertisements	0.00	968.90	410.62	41.21	0.00	0.00	0.00	1,210.00	1,316.00	0.00	1,000.00	0.00	4,946.73	2,000.00	-2,946.73
Cont. Education	0.00														

Revenue Source	Description	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total Received	Budget	Balance	Projection	Unanticipated Revenue
4001 Taxes - Current Secured							1,272,018.73	172,430.39		1,048.49	892,322.22			2,337,819.83	2,453,100.00	-115,280.17	2,500,000.00	46,900.00
4006 Taxes - Current Unsecured							167,460.87	986.78			1,940.70			170,388.35	147,112.28	23,276.07	170,388.35	23,276.07
4008 Taxes - Prior Secured								22,837.41						22,837.41	42,402.00	-19,564.59	42,402.00	0.00
4009 Taxes- Prior Unsecured								655.52						655.52	1,818.00	-1,162.48	1,200.00	-618.00
4030 Taxes - Supplemental Cur Sec		-2.04						18,181.46						18,179.42	40,000.00	-21,820.58	40,000.00	0.00
4033 Taxes - Supplemental Prior								8,843.49						8,843.49	10,000.00	-1,156.51	10,000.00	0.00
4052 Other Taxes - Assessment							512,737.67	30,834.51			358,553.75			902,125.93	1,023,546.00	-121,420.07	1,023,546.00	0.00
4060 RDA Residuals							92,133.00							92,133.00	50,000.00	42,133.00	92,133.00	42,133.00
4075 & 4078 RD H&S 34188 OA														0.00	568.02	-568.02	0.00	-568.02
1440 Taxes - Timber Yield							0.01							0.01	0.00	0.01	0.00	0.00
1450 Aircraft														0.00	0.00	0.00	0.00	0.00
5050 Property Tax Relief								8,958.80						8,958.80	18,644.00	-9,685.20	18,644.00	0.00
<b>Total Taxes</b>														<b>3,561,941.76</b>	<b>3,787,190.30</b>	<b>-225,248.54</b>	<b>3,898,313.35</b>	<b>111,123.05</b>
4801 Interest Income			10,060.55				7,237.27			9,464.86				<b>26,762.68</b>	<b>63,000.00</b>	<b>-36,237.32</b>	<b>36,000.00</b>	<b>-27,000.00</b>
4069 RDA PT Facilities																		
City of Woodlake							3,545.00							3,545.00				
City of Dinuba							11,921.00							11,921.00				
City of Exeter														0.00				
City of Farmersville							2,553.00							2,553.00				
City of Lindsay							58.00							58.00				
City of Visalia							90,114.00							90,114.00				
County Pass Thru							60,015.00							60,015.00				
<b>Total RDA</b>														<b>168,206.00</b>	<b>294,033.00</b>	<b>-125,827.00</b>	<b>298,000.00</b>	<b>3,967.00</b>
5400 Current Services (Billing)														<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
5250 ARPA (Covid Relief Funds)							188,365.00							<b>188,365.00</b>	<b>0.00</b>	<b>188,365.00</b>	<b>188,365.00</b>	<b>188,365.00</b>
5835 Other Revenue											-37.50			<b>-37.50</b>	<b>0.00</b>	<b>-37.50</b>		
5401 Assessment Fee							-32,648.00				-32,648.00			<b>-65,296.00</b>	<b>-71,648.00</b>	<b>6,352.00</b>	<b>-65,296.00</b>	<b>6,352.00</b>
5805 Misc. Receipts											26,870.58							
Tulare County	Stopped payment to Cal Water	139.52												139.52				
Special Dist Leadersip Foundation	Scholarship Refund - Dr. Debboun			625.00										625.00				
US Bank	WSCA Contract Payment			183.80			127.54							311.34				
VCJPA	WC Payment for B. Ferguson			844.86										844.86				
Copart	Salvage Payment T-2			595.00										595.00				
Merced Chevrolet	Refund DMV Fees					84.09								84.09				
VCJPA	Replacement Value of T-2				35,226.16									35,226.16				
Rick Alvarez	Jury Duty (7 days)				105.00									105.00				
Alysia Ingram	VCT Certification Test				36.00									36.00				
Jorge Lopez	VCT Certification Test				72.00									72.00				
Kory Wilson	VCT Certification Test				72.00									72.00				
Ryan Spratt	VCT Certification Test				72.00									72.00				
Tulare MAD	Balance Due for Testing 2021						3,476.00							3,476.00				
Kings MAD	Balance Due for Testing 2022							2,508.00						2,508.00				
Navia	Refund for Section 125							97.50						97.50				
VCJPA	Retrospective 2021 Adjustment							23,786.00						23,786.00				
MGK	Sumilarv Trial											16,000.00		16,000.00				
<b>Misc. Revenue Total</b>														<b>84,050.47</b>	<b>0.00</b>	<b>84,050.47</b>	<b>94,883.55</b>	<b>94,883.55</b>
<b>Total All Revenue</b>		<b>137.48</b>	<b>0.00</b>	<b>12,309.21</b>	<b>35,667.25</b>	<b>0.00</b>	<b>2,375,638.09</b>	<b>263,728.36</b>	<b>0.00</b>	<b>10,513.35</b>	<b>1,247,001.75</b>	<b>16,000.00</b>	<b>0.00</b>	<b>3,963,992.41</b>	<b>4,072,575.30</b>	<b>-108,582.89</b>	<b>4,450,265.90</b>	<b>377,690.60</b>
																		<i>Projected carry over</i>

Revenue - Current Secured



## **10. Resolution 2022-05**

**BOARD OF TRUSTEES**  
**DELTA MOSQUITO AND VECTOR CONTROL DISTRICT**  
**COUNTY OF TULARE, STATE OF CALIFORNIA**  
**RESOLUTION NO 2022-05**  
**SALARY SCHEDULE POLICY No. 2130**  
**FOR INDIVIDUALS WITH FULL-TIME EMPLOYMENT**

**WHEREAS**, Delta Mosquito and Vector Control District has maintained a Salary Schedule within the annually adopted Fiscal Budget; and,

**WHEREAS**, Government Code Section 20636 (b) (1) requires pay amounts to be paid pursuant to publicly available pay schedules; and,

**WHEREAS**, Pay rate means the normal monthly rate of pay or base pay of the member paid in cash to similarly situated members of the same group or class of employment for services rendered on a full-time- basis during normal working hours, pursuant to publicly available pay schedules; and,

**WHEREAS**, Pay rate for a member who is not in a group or class, means the monthly rate of pay or base pay of the member, paid in cash and pursuant to publicly available pay schedules, for services rendered on a full-time basis during normal working hours.

**WHEREAS**, California Code of Regulation 570.5 specifies the required elements necessary to meet the definition of a publicly available pay schedule as follows:

- (1) Has been duly approved and adopted by the employer's governing body in accordance with requirements of applicable public meetings laws;
- (2) Identifies the position title for every employee position;
- (3) Shows the pay rate for each identified position, which may be stated as a single amount or as multiple amounts within a range;
- (4) Indicates the time base, including, but not limited to, whether the time base is hourly, daily, bi-weekly, monthly, bi-monthly, or annually;
- (5) Is posted at the office of the employer or immediately accessible and available for public review from the employer during normal business hours or posted on the employer's website;
- (6) Indicates an effective date and date of any revisions;

(7) Is retained by the employer and available for public inspection for not less than five years; and

(8) Does not reference another document in lieu of disclosing the pay rate.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Delta Mosquito and Vector Control District, as follows:

1. Salary Schedule, Policy No. 2130, as shown on Attachment A hereto, is hereby approved.
2. For each payroll reporting period, the District will submit as CalPERS reportable compensation of affected employee's paychecks and withhold the employee contribution. The compensation and contributions will be included in the District's reporting to CalPERS for that period.
3. That the General Manager is hereby authorized and directed to implement the conditions of employment for unrepresented employees as described in Attachment A.
4. That Policy No. 2130 (Attachment A) shall be effective July 1, 2022.

**PASSED AND ADOPTED** by the Board of Trustees of the Delta Mosquito and Vector Control District at its regular meeting on June 8, 2022 by the following vote:

	Yes	No	Abstain	Absent
Greg Gomez	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Belen Gomez	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rosemary Hellwig	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Larry Roberts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Michael Cavanagh	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kevin Caskey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Linda Gutierrez	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Attest: \_\_\_\_\_ Approved: \_\_\_\_\_

Secretary

President

RESOLUTION 2022-05 (Attachment A)  
 SALARY SCHEDULE POLICY No. 2130 FOR INDIVIDUALS WITH FULL-TIME EMPLOYMENT

DELTA VECTOR CONTROL DISTRICT  
 FISCAL YEAR 2022/2023 SALARY SCHEDULE

Effective July 1, 2022

GENERAL MANAGER	ANNUAL PER CONTRACT						190,874.48
	PAY STEPS: ANNUAL, MONTHLY & HOURLY – FULL-TIME & PART-TIME						
	STEP	1	2	3	4	5	
ASSISTANT MANAGER	ANNUAL	97,172.46	103,245.74	109,319.02	115,392.30	121,465.58	
	PER MONTH	8,097.71	8,603.81	9,109.92	9,616.03	10,122.13	
	PER HOUR			EXEMPT			
PROGRAM MANAGER	ANNUAL	87,309.46	92,766.30	98,223.14	103,679.98	109,136.82	
	PER MONTH	7,275.79	7,730.53	8,185.26	8,640.00	9,094.74	
	PER HOUR			EXEMPT			
BIOLOGIST	ANNUAL	81,284.77	86,365.06	91,445.36	96,525.66	101,605.96	
	PER MONTH	6,773.73	7,197.09	7,620.45	8,043.81	8,467.16	
	PER HOUR			EXEMPT			
FOREMAN	ANNUAL	79,827.18	84,816.38	89,805.58	94,794.78	99,783.97	
	PER MONTH	6,652.26	7,068.03	7,483.80	7,899.56	8,315.33	
	PER HOUR			EXEMPT			
ADMINISTRATIVE ASSISTANT	ANNUAL	76,426.14	81,202.78	85,979.41	90,756.05	95,532.68	
	PER MONTH	6,368.85	6,766.90	7,164.95	7,563.00	7,961.06	
	PER HOUR			EXEMPT			
COMM ED & OUTREACH COORDINATOR	ANNUAL	70,741.55	75,162.9	79,584.25	84,005.60	88,426.94	
	PER MONTH	5,895.13	6,263.58	6,632.02	7,000.47	7,368.91	
	PER HOUR			EXEMPT			
ADMINISTRATIVE ANALYST I	ANNUAL	68,652.35	72,943.12	77,233.89	81,524.66	85,815.43	
	PER MONTH	5,721.03	6,078.59	6,436.16	6,793.72	7,151.29	
	PER HOUR	33.01	35.07	37.13	39.19	41.26	
V.C. SUPERVISOR	ANNUAL	66,271.62	70,413.6	74,555.57	78,697.55	82,839.52	
	PER MONTH	5,522.64	5,867.80	6,212.96	6,558.13	6,903.29	
	PER HOUR			EXEMPT			
V.C. TECHNICIAN III	ANNUAL	60,246.93	64,012.36	67,777.79	71,543.23	75,308.66	
	PER MONTH	5,020.58	5,334.36	5,648.15	5,961.94	6,275.72	
	PER HOUR	28.96	30.78	32.59	34.40	36.21	
V.C. TECH III/ MECHANIC	ANNUAL	60,246.93	64,012.36	67,777.79	71,543.23	75,308.66	
	PER MONTH	5,020.58	5,334.36	5,648.15	5,961.94	6,275.72	
	PER HOUR	28.96	30.78	32.59	34.40	36.21	
CERTIFIED V.C. TECHNICIAN II	PER HOUR	28.96	30.78	32.59	34.40	36.21	
CERTIFIED LAB TECHNICIAN I	PER HOUR	17.60	18.70	19.80	20.90	22.00	
CERTIFIED V.C. TECHNICIAN I 2022	PER HOUR	17.60	18.70	19.80	20.90	22.00	
CERTIFIED V.C. TECHNICIAN I 2023	PER HOUR	18.60	19.76	20.93	22.09	23.25	
V.C. TECHNICIAN I 2022	PER HOUR	16.00	17.00	18.00	19.00	20.00	
V.C. TECHNICIAN I 2023	PER HOUR	17.00	18.06	19.13	20.19	21.25	
LAB TECHNICIAN I	PER HOUR	16.00	17.00	18.0	19.00	20.00	

NOTE 1: INDICATED SALARY RATES DO NOT INCLUDE LONGEVITY PAY

LONGEVITY PAY IS: 10 YEARS OF SERVICE = 5%, 20 YEARS OF SERVICE = 10%, 30 YEARS OF SERVICE = 15%.

NOTE 2: PAY FOR V.C. TECHNICIAN I WILL CHANGE JANUARY 2023, BOTH PAY RATES ARE MARKED. 2023 RATES ARE HIGHLIGHTED IN GREY.

## **11. BOARD MEMBER COMMENTS**



## **12. FUTURE AGENDA ITEMS**

## **13. ADJOURNMENT**