

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, April 8, 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

TIME: Wednesday, April 13, 2022 at 4:30 p.m.

PLACE: District Boardroom, 1737 West Houston Avenue, Visalia
Teleconference Dial in Number: 1-978-990-5000 access code 575024

AGENDA:

1. **Roll Call**
2. **Staff Presentations**
Staff who have attended the Mosquito and Vector Control Association of California and American Mosquito Control Association Annual conferences will give brief presentations about their posters and talks.

ACTION

3. **Request of 10% Salary Increase**
The General Manager will request approval of a 10% salary increase with 5% effective April 2022 and the other 5% effective on the next fiscal year on July 2022.

ACTION

4. **Consent Calendar**
 - a. March Minutes
 - b. March Bills (Board Orders #25, 26, 27, 28, 29)
 - c. April Payroll (Board Orders #30, 31)
5. **Public Forum**
Members of the public may address the Board.
6. **Staff Report**
The General Manager will report on items of operational interest.
7. **Quarterly Revenue/Expense Report**
The Assistant Manager will report on the financial status of the District.

8. Board Travel Calendar

The General Manager will discuss the meetings available in the 2022/23 fiscal year. CSDA: August 22-25, 2022 in Palm Desert, CA
MVCAC: January 29-31, 2023, in Anaheim, CA

ACTION

9. Other Post-Employment Benefits (OPEB)

The Assistant Manager will go over the engagement letter received from MacLeod Watts, Inc. for the 2022 update to the biannual Actuarial Valuation and related reports on behalf of the District.

ACTION

10. Bereavement Leave Policy

The General Manager will discuss and request approval of the clarification language to the DMVCD's Bereavement Policy.

ACTION

11. Hemotek, UTV & WALs purchase

The General Manager will request approval to purchase a Hemotek blood feeding system to maintain the resistance testing in the insectary, a UTV and two additional WALs units, one small and one large, for increased larviciding treatment options.

ACTION

12. Baseball Agreement

The General Manager will seek approval of the Community Education & Outreach calendar event agreement between DMVCD and Visalia RawHide Baseball Team.

ACTION

13. MGK/Sumitomo Agreement

The General Manager will request approval of a field-testing project agreement between DMVCD and MGK/Sumitomo.

ACTION

14. MosquitoMate Services & Software License Agreement

The General Manager will request approval of a free trial pilot test agreement between DMVCD and MosquitoMate.

ACTION

15. Adjournment

Adjourn meeting of the Board of Trustees to reconvene on Wednesday, May 11, 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. Staff Presentations

3. Request of 10% Salary Increase

Projected Payroll 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	13,389.06	14,192.40	14,192.40	163,078.74	160,668.75	-2,409.99	Projected 6%
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 (vacant step 2)	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 (Andrea)	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 (Mark N)	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 (Javier)	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	67,536.84	67,535.16	9,938.32	
Admin Assistant (SD)	7,370.68	7,370.68	7,370.68	7,370.68	7,370.68	7,370.68	7,370.68	25,666.46	18,167.20	0.00	0.00	0.00	95,428.42	88,448.15	-6,980.27	Projected sick pay out
Admin Assistant (ME)	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	25,060.32	0.00	
Admin Analyst (ME)	5,958.80	5,958.80	5,958.80	5,958.80	5,958.80	5,958.80	5,958.80	5,958.80	5,958.80	0.00	0.00	0.00	47,670.40	71,505.72	-23,835.32	
Admin Analyst (KC)	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	15,890.13	0.00	
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	14,817.68	14,817.68	15,108.23	15,108.23	140,622.72	120,276.36	-20,346.36	
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	
VCT II (2 employees)	12,959.79	12,982.08	13,075.95	12,437.30	10,514.58	10,488.00	9,576.00	9,120.00	10,488.00	9,290.32	10,175.44	10,175.44	131,282.90	135,571.60	-4,288.70	
VCT II (4 employees Aedes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26,462.00	26,462.00	26,462.00	79,386.00	0.00	-79,386.00	
VCT I (16 employees)	33,881.54	38,142.74	34,450.06	23,708.51	3,054.18	0.00	0.00	0.00	0.00	25,000.00	45,000.00	55,000.00	258,237.03	303,295.49	-45,058.46	
Over-Time	96.27	850.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,000.00	1,947.26	5,000.00	3,052.74	
Trustee Payroll	2,000.00	0.00	0.00	2,100.00	0.00	0.00	2,100.00	0.00	0.00	2,100.00	0.00	0.00	8,300.00	8,400.00	100.00	
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	
TOTAL WAGES	156,458.76	162,520.01	160,795.10	151,514.90	126,837.85	123,757.09	124,945.09	141,497.92	139,953.08	180,250.25	205,597.36	216,989.33	1,891,116.74	1,818,827.22	-72,289.52	
Social Security/Medicare	11,958.28	12,404.20	12,289.99	11,560.00	9,703.00	9,467.00	9,558.00	9,467.00	10,446.00	14,452.00	15,911.32	16,782.00	143,998.79	139,140.28	-4,858.51	
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	14,270.00	14,270.00	14,270.00	14,270.00	14,270.00	14,270.00	14,270.00	14,270.00	14,270.00	163,877.28	144,325.96	-19,551.32	
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						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	3,662.00	3,662.00	3,662.00	3,693.94	3,693.94	3,768.94	3,768.94	3,768.94	3,768.94	42,476.65	38,835.27	-3,641.38	
Health	20,490.96	22,608.96	25,252.30	23,000.00	23,000.00	27,620.20	27,620.20	29,913.00	34,850.00	34,850.00	34,850.00	34,850.00	338,905.62	278,828.33	-60,077.29	
BENEFITS	296,158.20	50,070.52	53,703.04	56,273.33	50,635.00	74,013.15	56,629.30	58,301.93	64,292.93	76,110.93	69,758.25	70,628.93	976,575.51	865,059.84	-111,515.67	
TOTAL WAGES & BENEFITS	452,616.96	212,590.53	214,498.14	207,788.23	177,472.85	197,770.24	181,574.39	199,799.85	204,246.01	256,361.18	275,355.61	287,618.26	2,867,692.25	2,683,887.06	-183,805.19	
													206,713.04			
													2,660,979.21		22,907.85	projected carryover

4. Consent Calendar

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

Minutes of the Board of Trustees – Wednesday, March 9, 2022

1. **Roll Call:**

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

Absent: Larry Roberts

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

2. **Consent Calendar:**

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

3. **Public Forum:**

None

4. **Staff Report:**

The General Manager reported that we continue to work on vehicle and pesticide equipment calibration and maintenance; hiring of seasonals, Administrative Assistant and Biologist; will be meeting with our Attorney on March 10 to meet with a Judge in Visalia to sign our Mosquito & Vector Control Warrant for the 2022 Season, informed the Board of Trustees (BOT) that the Environmental Protection Agency approved the Experimental Unit Permit for Oxitec to conduct their field project in Visalia which we will be collaborating with, and encouraged the BOT to participate with the DMVCD to attain the District of Distinction Accreditation by taking each 6 hours of training in governance during the months of April or May 2022.

5. **Request to Increase Credit Card Limit:**

Following discussion, it was moved by Michael Cavanagh, seconded by Rosemary Hellwig, and the Board members unanimously approved that the General Manager have permission to set the credit limit at the appropriate amount to conduct District business.

6. Wrapping of Delta MVCD Drone Trailer:

Following discussion, it was moved by Rosemary Hellwig, seconded by Belen Gomez, and the Board members unanimously approved wrapping the Drone Trailer as designed.

7. Agreement of SCI Consulting Group with Delta MVCD:

Following discussion, it was moved by Michael Cavanagh, seconded by Greg Gomez, and the Board members unanimously approved the agreement as presented.

8. Nondisclosure Agreement between DMVCD and Oxitec:

Following discussion, it was moved by Greg Gomez, seconded by Linda Guttierrez, and the Board members unanimously approved the Nondisclosure Agreement between DMVCD and Oxitec as presented.

9. Bereavement Leave Policy:

Following discussion, it was moved by Linda Guttierrez, and seconded by Greg Gomez, and the Board members unanimously approved bringing back an improved and updated Bereavement Leave Policy to the April 2022 Board of Trustees meeting.

10. Extension of the Existing Parking Garage:

Following discussion, it was moved by Linda Guttierrez seconded by Michael Cavanagh to table the approval of the parking garage extension and to include it in the upcoming budget.

11. Internship Training Agreement:

Following discussion, it was moved by Michael Cavanagh, seconded by Belen Gomez, and the Board members unanimously voted not to enter into the internship training agreement.

12. Adjournment:

It was moved by Michael Cavanagh, seconded by Greg Gomez, and unanimously approved to adjourn the meeting of the DMVCD's Board of Trustees at 5:39 p.m.

Dr. Mustapha Debboun, Recording Secretary

VOUCHER	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
36250	MUSTAPHA DEBBOUN	MANAGER		8,188.50
36251	MIR BEAR-JOHNSON	ASSISTANT MANAGER		6,150.03
36252	CRYSTAL GRIPPIN	SCIENTIFIC PROGRAM MANAGER		4,088.69
36253	HECTOR CARDENAS	OPERATIONS PROGRAM MANAGER		5,532.41
36254	MARK NAKATA	BIOLOGIST		5,386.82
36255	JAVIER VALDIVIAS	BIOLOGIST		4,581.35
36256	ANDREA TROUPIN	BIOLOGIST		5,016.61
36257	MARY ELLEN GOMEZ	ADMINISTRATIVE ASSISTANT		4,397.99
36258	ERICK ARRIAGA	COMMUNITY EDUCATION & OUTREACH COORDINATOR		4,143.75
36259	PAUL HARLIEN	FOREMAN		5,190.06
36260	RICK ALVAREZ	VECTOR CONTROL SUPERVISOR		5,368.69
36261	BRYAN RUIZ	VECTOR CONTROL TECHNICIAN III		4,414.00
36262	BRYAN FERGUSON	VECTOR CONTROL TECHNICIAN III/MECHANIC		4,562.68
36263	MARIO SANCHEZ	VECTOR CONTROL TECHNICIAN III/MECHANIC		4,057.83
		<i>Sub-Total Full-Time Payroll</i>		<i>\$71,079.41</i>
36264	VSP	Vision Plan Premium for March 2022		469.09
36265	DELTA DENTAL PLAN	Dental Plan Premium for March 2022		1,323.99
36266	LINCOLN FINANCIAL GROUP	Life/STD & LTD Insurance for March 2022		1,252.29
36267	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Health Insurance Premium for April 2022		23,032.19
36268	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax	Employee 71% - District 29%	29,344.20
36269	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax	Employee 100%	4,809.26
36270	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement	Employee 40% - District 60%	17,827.33
36271	DELTA VECT CONT DIST	Flex Benefit Plan	Employee 100%	1,174.96
36272	ICMA RETIREMENT TRUST	Deferred Retirement Trust	Employee 77% - District 23%	3,387.03
		<i>Sub-Total for Payroll Taxes & Benefits</i>		<i>\$82,620.34</i>
		<i>Total Regular Payroll & Benefits</i>		<i>\$153,699.75</i>
36273	JORGE LOPEZ	Vector Control Tech II		1,446.71
36274	ADRIAN SIFUENTES	Vector Control Tech II		1,097.97
36275	PAUL RAPER	Vector Control Tech II		1,361.95
36276	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax		30.36
36277	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax		799.18
36278	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement		673.11
		<i>Sub-Total for Seasonal Payroll & Taxes</i>		<i>\$5,409.28</i>
		<i>Total All Payroll and Benefits</i>		<i>\$159,109.03</i>
36279	2MARKET VISUALS	Wrap on Van	Aedes Assessment	3,698.52
36280	ADAPCO	Balance due for BVA Oil	Aedes Assessment	3,935.08
36281	FASTENAL	Screws	Building/Yard	35.52
36282	FRONTIER PRECISION	Annual Subscription for Data Collection	Subscriptions	11,100.00
36283	HOME DEPOT	Light Bulbs, Paint Supplies, Extension Cords, Cleaning Supplies	Building/Yard	353.73
36284	KEY EVIDENCE	Keys	Building/Yard	102.53
36285	LOWE'S	Storage Box	9.27 Aedes Assessment	758.91
		Paint Supplies	749.64 Building/Yard	
36286	MISSION LINEN	Uniforms	110.12 Clothing	191.07
		Janitorial	80.95 Janitorial	
36287	NAVIA	Flexible Benefit Plan Admin Fee	Professional Services	97.50
36288	SMART & FINAL	Paper Products, Breakroom Supplies	Building/Yard	157.90
36289	WALMART	Cleaning Supplies	Building/Yard	87.28
		<i>Total Bills</i>		<i>\$20,518.04</i>
		TOTAL BOARD ORDER # 25		\$179,627.07

CLAIM #	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
36296	MUSTAPHA DEBBOUN	Manager (check re-issue/revision)		7,816.32
		Sub-total full time payroll		7,816.32
36297	PAUL RAPER	Vector Control Tech II		1,654.86
36298	ADRIAN SIFUENTES	Vector Control Tech II		1,347.91
36299	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax		859.44
36300	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax		62.39
36301	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement		611.52
		Sub-total for Payroll Taxes and Benefits		4,536.12
		Total Payroll		12,352.44
36302	AMERICAN INC.	Replace gas valve and ignition valve -- Main Office	Building/Yard	1,065.83
36303	AUTOZONE	Vulcanizing Cement, Primwires, Spark Plugs, Motor Mount, Etc	Auto Supplies	378.01
36304	CENTRAL VALLEY BUSINESS FORMS	Business Cards - Bryan Ruiz	Office Supplies	46.96
36305	COMCAST	Internet	Telephone/Cellphones	694.72
36306	DELTA MOSQUITO AND VECTOR CONTROL DIST.	Special Assessment Payment	Professional Services	43.75
36307	EMD			2,977.25
		Monthly Contract - April	2547.25 Maint Contract	
		VOIP System - February	430.00 Maint Contract	
36308	HARBOR FREIGHT	15" tires, threaded insert, nut rivet gun, female/male plugs, gloves, soldering supplies	Building/Yard	218.61
36309	KAST AND COMPANY	Good Life Advertising -- March and April	Subscriptions	475.00
36310	MACLEOD WATTS INC.	Actuarial Valuation, OPEB and GASB 75	Professional Services	5,000.00
36311	NAPA	Battery, Connectors, Belts	Auto Supplies	199.03
36312	PURE SUN	Solar Panel Cleaning	Building/Yard	165.00
36313	UC DAVIS - Regents of UC(DART)	Proficiency Panel, Annual Calibrations and Certifications -- Lab	Lab Supplies	816.00
36314	SPRAYING DEVICES INC.	Valves, Extension, Handles, Adaptors and Hoses	Spray Supplies	376.82
36315	TF TIRE	(1) Tire T-45	Auto Supplies	108.11
		TOTAL BILLS		\$12,565.09
		TOTAL BOARD ORDER #27		\$24,917.53

CLAIM #	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
36316	FRANCHISE TAX BOARD	Wage Garnishment		378.15
		Total		378.15
36317	AT&T	Office Phone/Fax -- CLOSING BILL	Telephone/cellphones	31.63
36318	AMERICAN INC	HVAC Servicing	Building/Yard	1,195.00
36319	CALIF WATER SERVICE	Utilities	Utilities	94.54
36320	EPPENDORF	Pipettes	Lab Supplies	1,351.07
36321	LOZANO SMITH	Warrant Review and Finalization, Review SCI Agreement, VUSD intern review	Professional Services	1,041.50
36322	MISSION LINEN			273.47
		Uniforms	149.48 Clothing	
		Janitorial	123.99 Janitorial	
36323	OFFICE DEPOT	Ruler, Cardstock, Binders	Office Supplies	134.31
36324	SO CALIF GAS CO	Utilities	Utilities	623.96
36325	TULARE POLARIS	Speedometer - T28	Auto Supplies	541.78
36326	US BANK			11,267.16
		Tulare County Surplus- Chairs	19.31 Office Supplies	
		Travel Expenses-AMCA(Gen. Manager, Assist. Manager, SPM, Biologist and Bryan Ruiz)	5469.05 Travel	
		Travel Expenses--Placer Day Visit 5 Staff Members (Breakfast and Lunch)	142.35 Travel	
		Tulare County Surplus - 2 filing cabinets	51.86 Office Supplies	
		PSI Exam	175.00 Continuing Education	
		Ebay- Shurflo Pumps	893.39 Spray Supplies	
		LensRentals -- Camera Lens for Staff Photos	240.31 Office Supplies	
		Indeed - Job Ads	1316.00 Advertisements	
		Microsoft - Licenses	1152.00 Office Supplies	
		NewPig.Com (Pipe Sock, Storm Drain Filter)	350.81 Building/Yard	
		Amazon (Toner, Clasp Envelopes)	304.90 Office Supplies	
		Amazon (Toggle Switch - Red and Blue)	27.50 Auto Supplies	
		Amazon (1 gallon sprayer)	125.43 Spray Supplies	
		Amazon (Dog Tags--Labeling Equipment)	20.50 Operational Expense	
		Solo - (3) Backpack sprayers, (5) tank caps w/valves and (5) washers	433.90 Spray Supplies	
		Vevor- 1.5 gallon sprayer	66.99 Spray Supplies	
		Siptrunk- Efax	297.86 Telephone/cellphones	
		GoogleSuites	180.00 Subscriptions	
36327	VCJPA		Insurance	1,223.00
36328	VALLEY PACIFIC	Gasoline	Fuel	506.51
36329	WALMART			234.78
		Janitorial		
		Cloth Tape, Paper Tape,		
36330	2 Market Visuals	Trailer Wrap	Aedes Assessment	4,529.61
		TOTAL BILLS		\$23,048.32
		TOTAL BOARD ORDER #28		\$23,426.47

CLAIM #	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
36331	PAUL RAPER	Vector Control Tech II		1,581.63
36332	ADRIAN SIFUENTES	Vector Control Tech II		1,309.09
36333	ALYSIA INGRIM	Vector Control Tech I		960.13
36334	JUAN PABLO ORTEGA	Laboratory Tech I		471.84
36335	MARISOL SANTILLAN	Laboratory Tech I		471.84
36336	ALEJANDRA GILL	Laboratory Tech I		245.52
36337	DOLORES MALDONADO	Laboratory Tech I		472.84
36338	BRENDA RODRIGUEZ VIVAR	Laboratory Tech I		471.84
36339	FRANCHISE TAX BOARD	Wage Garnishment		436.36
36340	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax		1,494.90
36341	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax		75.46
36342	DELTA VECTOR CONTROL DIST - EFTPS	CaIPERS Retirement		599.98
		TOTAL PAYROLL		\$8,591.43
36343	FRESNO OXYGEN	Dry Ice Pellets	Lab Supplies	22.92
36344	BIO SEARCH TECHNOLOGIES	WNV/SLE/WEE Probes and Primers	Lab Supplies	1,446.56
36345	HOME DEPOT			1,801.84
		8 ft table for events	97.63 Aedes Assessment	
		AA Batteries	19.39 Office Supplies	
		Plywood, Irrigation Repair Supplies, Screws, Bolts, Paint Suplies, Blinds	1684.82 Building/Yard	
36346	LOWES			1,002.02
		Outlet covers, paint supplies, wood supplies, power strips, plugs, hoses	893.22 Building/Yard	
		Craftsman 5gal latching boxes	48.42 Aedes Assessment	
		Lysol Spray Cans and Clorox Wipes	60.38 Janitorial	
36347	METTLER TOLEDO-RAININ	Stand for pipettes and pipette adapters	Lab Supplies	189.63
36348	WESTAMERICA BANK	Lease Payment-- Fish Hatchery	Lease Expense	58,914.03
		TOTAL BILLS		\$63,377.00
		TOTAL BOARD ORDER #29		\$71,968.43

5. Public Forum

6. Staff Report

DELTA MOSQUITO & VECTOR CONTROL DISTRICT

Dr. Mustapha Debboun
General Manager

Post Office Box 310 * Visalia, California 93279-0310

Mir Bear-Johnson
Assistant Manager

1737 West Houston Avenue * Visalia, California 93291

Phone (559) 732-8606 * (877) 732-8606 * Fax (559)-732-7441

www.deltavcd.com

Hector Cardenas
Operations Program Manager

Crystal Grippin
Scientific Program Manager

Mary Ellen Gomez
Administrative Analyst



Erick Arriaga
*Community Education and
Outreach Coordinator*

REPORT OF THE MANAGER MARCH 2022

I. Water and Weather

The temperature was high throughout the month of March. The Delta Mosquito and Vector Control District (DMVCD) Weather Station reported an average high temperature of 72.6°F with an average low of 47.2°F and 1.52 inches of rainfall. The National Oceanic and Atmospheric Administration 1981-2010 seasonal averages for high and low temperatures in March were 67.3°F and 46.1°F respectively, with average rainfall of 1.99 inches.

Water storage at Pine Flat Reservoir increased to 376,949 acre-feet by the end of March. By March 31, 2022, Pine Flat Reservoir's inflow had increased to 1,677 cubic feet per second (CFS) and its release increased slightly to 162 CFS. The Lake Kaweah Reservoir had more water than the previous month with 57,916 acre-feet on March 31, 2022. Lake Kaweah's inflow increased significantly, showing 448 CFS and its release was increased to 39 CFS.

II. Narrative

Operations continued with fleet vehicle winter maintenance. All vehicles receive a multi-point inspection which include engine, transmission, cabin filter, air conditioning, heater system, front and rear brake pads, rotors, parking brake, fluids (brake fluid, engine oil, etc.), lights, and more. Staff have completed 12 fleet vehicle inspections and completed mounted spray tank calibrations for 15 vehicles for March. Staff continued to complete calibrations for 25 hand-can sprayers, 2 Herd seeders, and 2 ARGO liquid spray tanks.

Field operations completed 30 mosquito field inspections and 10 pesticide applications for March. Staff completed 22 service requests and are currently conducting catch basin mapping which consists of surveying local maps for additional storm drains and updating paper maps for historical data. All new or deleted storm drains are recorded in our local mosquito database to provide accurate and consistent storm drain treatments. Alysia Ingram, our previous seasonal storm drain operator, rejoined our operations team on 3/21/2022 to assist with storm drain activities.

Regarding facility maintenance, staff have repaired and replaced the front office sprinklers system. Front office sprinkler repair consisted of new valves, sprinkler heads, and PVC pipe on all nonfunctioning sections. Staff also repaired the entire

underground sprinkler system in front of the lab building. In addition, staff prepared the front of the laboratory landscaping area for decorative gravel installation.

Refurbishment of old bookshelves were installed in the office of both the Community Education & Outreach Coordinator and the new Biologist office. Staff have also designed a temporary wash station to comply with vehicle washing needs by installing consumable storm drain filters for any oil residue.

On March 21, the District conducted annual training on subjects of pesticides, respirators, respirator fit tests, field safety, and sterile insect techniques. In addition, 3 employees attended an all-terrain vehicle and a recreational off highway vehicle safety course hosted by Consolidated Mosquito Abatement District in Fresno, California.

On March 28 and 29, 2022, Leading Edge Aerial Technologies conducted a hands-on field training for our four District's Drone pilots. Training consisted of navigating the PrecisionVision ground control station and creating autonomous mission flights. Staff was also trained on flight simulations while operating the PrecisionVision 35X unmanned aircraft system.

Fieldseeker, the mosquito data operating system is undergoing maintenance with the implementation of the District rezoning. Adjustments include the redrawing of zone boundaries, updating employee login information associated with work cell phones, and edits to all existing source sites corresponding to zone boundaries. In addition, the District has moved to a different time clock system called Teambridge which was provided by our previous vendor Zira at no additional cost. The new system allows for customization when creating timecards and much more.

Some mosquito surveillance traps were placed in March as part of seasonal training. There were not enough mosquitoes of a single species captured for arbovirus testing, and thus, arbovirus testing for West Nile virus (WNV), St. Louis Encephalitis virus (SLEV), and Western equine encephalitis virus (WEEV) did not take place. To date, no mosquito samples have been tested in 2022.

There were 4 technician and homeowner mosquitofish requests in March to distribute a total of 75 fish. Mosquitofish rearing began again to prepare for summer demands. A total of 1,297 mosquitofish fry were produced in March. Routine fish hatchery maintenance took place weekly as well as the fish hatchery building maintenance.

Three mosquito larvae samples were brought to the laboratory for processing. Susceptible *Culex quinquefasciatus* and *Aedes aegypti* colonies were maintained for insecticide resistance testing.

The California Department of Public Health (CDPH) Proficiency Panel for mosquito-borne disease testing was completed in March. A passing result for the CDPH Proficiency Panel is required for the District to submit in-house disease test results to the state. The CDPH will report the results for Districts who passed in April.

A dead bird, reported in February, was tested in March. It was negative for mosquito-borne disease. Dead birds can be reported directly to the District as well as online at

westnile.ca.gov year-round. The California WNV and Dead Bird Call Center (877-WNV-BIRD; 877-968-2473) will open in April.

Laboratory staff continued to work winter maintenance, repairs, and equipment calibration for the 2022 mosquito season. Additionally, laboratory staff participated in continuing education webinars to maintain their Vector Control Technician Certification through the California Department of Public Health.

The General Manager, Assistant Manager, Scientific Program Manager, and a Biologist attended the American Mosquito Control Association (AMCA) Annual Conference in Jacksonville, Florida the first week of March. At the conference, Crystal Grippin presented a poster on using Wide Area Larvicide Systems (WALS) to control *Aedes aegypti* in a cemetery and a poster on the design and installation of automatic mosquitofish feeders, while Javier Valdivias presented a poster on pyrethrum resistance in *Culex quinquefasciatus* mosquitoes within the District.

Six seasonal Laboratory Technician I staff were hired for mosquito surveillance routes. Their training began during the last week of March. In addition, the open Biologist position was offered to Courtney Chagolla who will start on May 1, 2022.

In March, new content was created for the 2022 season, i.e., employee portraits for the website, ID photos, and images of services provided by the District. The drone trailer and community education and outreach van had the vinyl wrap completed. The 100-year logo was created and finalized, as well as the date for the 100-year celebration is scheduled for June, 11 2022. New ID cards have been printed and distributed to all current employees. Our community education and outreach schedule has been set for this mosquito season at the 2022 Rawhide baseball games season.

There were 22 service requests in March:

2022 Service Request Summary

2022	Fish	Inspection	Mosquito	Source	Other	Total
January	0	0	0	5	0	5
February	1	0	7	7	0	15
March	1	0	7	14	0	22
Total	2	0	14	26	0	42

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 March 2022.

Birds: No dead birds were reported in March. So far in 2022, two dead birds have been reported to the District, with only one in good enough condition for testing. It was negative for WNV, SLEV, and WEEV.

Mosquitoes: Up to date, no mosquito samples were tested in 2022.

State Surveillance:

Humans: Up to date, no human cases have tested positive in 2022.

Birds: Up to date, no dead birds have tested positive in 2022.

Mosquitoes: Two mosquito samples from Orange and Riverside Counties have tested positive for WNV.

IV. Expenditures & Revenues – 2021/22

TOTAL BUDGET \$3,974,072.78

EXPENDITURES – July 1, 2021 – March 31, 2022

Salaries	\$2,020,950.56
Services & Supplies	\$782,250.35
Tax Admin Fee	\$34,248.50
Capital	\$455,113.89
Long Term Debt	\$58,914.03
TOTAL EXPENDITURES	\$3,351,477.33

REVENUE RECEIVED – July 1, 2021 – March 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*	
TOTAL REVENUE TO DATE	\$2,717,347.89

V. Time Sheet Summary

Month	Available Work Hrs	Sick Hrs Used	Total Hrs Available for Work	Pct. Of Hrs Avail 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

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 table.

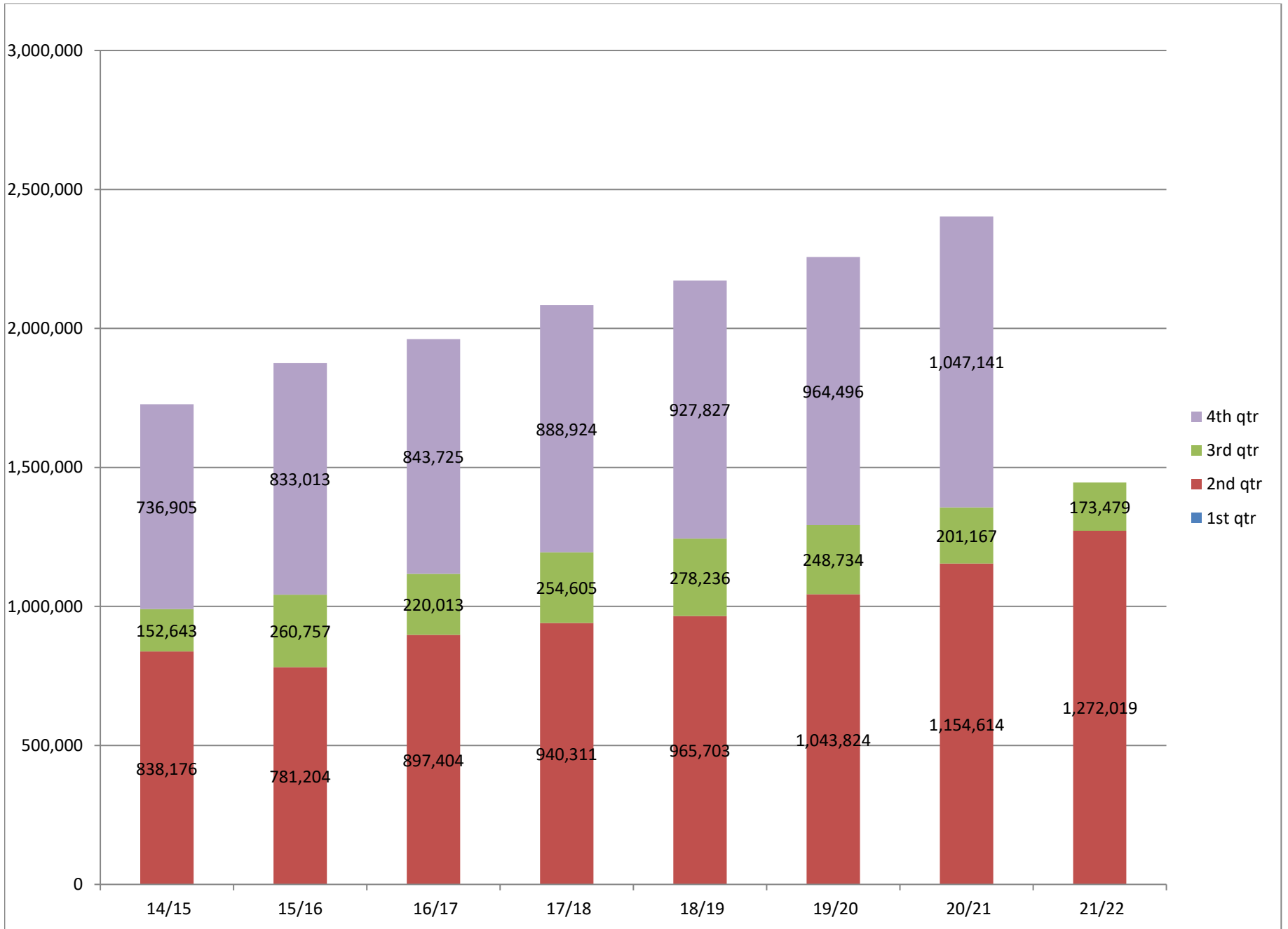
**March revenue not available as of 04/01/2022*

7. Quarterly Revenue/Expense Report

MONTHLY REVENUE REPORT 2021-22

Revenue Source	Description	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total Received	Budget	Balance
4001 Taxes - Current Secured							1,272,018.73	172,430.39		1,048.49				1,445,497.61	2,453,100.00	-1,007,602.39
4006 Taxes - Current Unsecured							167,460.87	986.78						168,447.65	147,112.28	21,335.37
4008 Taxes - Prior Secured								22,837.41						22,837.41	42,402.00	-19,564.59
4009 Taxes- Prior Unsecured								655.52						655.52	1,818.00	-1,162.48
4030 Taxes - Supplemental Cur Sec		-2.04						18,181.46						18,179.42	40,000.00	-21,820.58
4033 Taxes - Supplemental Prior								8,843.49						8,843.49	10,000.00	-1,156.51
4052 Other Taxes - Assessment							512,737.67	30,834.51						543,572.18	1,023,546.00	-479,973.82
1440 Taxes - Timber Yield							0.01							0.01	0.00	0.01
4060 RDA Residuals							92,133.00							92,133.00	50,000.00	42,133.00
4075 & 4078 RD H&S 34188 OA														0.00	568.02	-568.02
1450 Aircraft														0.00	0.00	0.00
5050 Property Tax Relief								8,958.80						8,958.80	18,644.00	-9,685.20
Total Taxes														2,309,125.09	3,787,190.30	-1,478,065.21
4801 Interest Income			10,060.55				7,237.27			9,464.86				26,762.68	63,000.00	-36,237.32
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		
Total RDA														168,206.00	294,033.00	-125,827.00
5400 Current Services (Billing)														0.00	0.00	0.00
5250 ARPA (Covid Relief Funds)							188,365.00							188,365.00	0.00	188,365.00
5835 Other Revenue														139.52	0.00	139.52
Tulare County	Stopped payment to Cal Water	139.52														
5401 Assessment Fee							-32,648.00							-32,648.00	-71,648.00	39,000.00
5805 Misc. Receipts																
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 2021							2,508.00						2,508.00		
Navia	Overpayment on Fees							97.50						97.50		
VCJPA	Retrospective 2021 Adjustment							23,786.00						23,786.00		
														0.00		
														0.00		
Misc. Revenue Total														67,910.95	0.00	67,910.95
Total All Revenue		137.48	0.00	12,309.21	35,667.25	0.00	2,375,638.09	263,728.36	0.00	10,513.35	0.00	0.00	0.00	2,727,861.24	4,072,575.30	-1,344,714.06

Revenue - Current Secured



8. Board Travel Calendar

9. OPEB

MacLeod Watts

March 29, 2022

Dr. Mustapha Debboun
General Manager
Delta Mosquito & Vector Control District
P.O. Box 310
Visalia, CA 93279-0310

Re: Delta Mosquito & Vector Control District Other Post-Employment Benefits
June 30, 2021 Actuarial Valuation and GASB 75 Report for Fiscal Year Ending June 30, 2022

Dear Dr. Debboun,

We are pleased to enclose our actuarial report providing financial information about the other post-employment benefit (OPEB) liabilities of the Delta Mosquito & Vector Control District (the District). The primary purposes of this report are to:

- 1) Remeasure plan liabilities as of June 30, 2021, in accordance with GASB 75's biennial valuation requirement,
- 2) Develop Actuarially Determined Contributions levels for prefunding plan benefits,
- 3) Provide information to be submitted to the California Employers' Retiree Benefit Trust (CERBT) to satisfy filing requirements for the trust, and
- 4) Provide information required by GASB 75 ("Accounting and Financial Reporting for Postemployment Benefits Other Than Pension") to be reported in the District's financial statements for the fiscal year ending June 30, 2022.

The information included in this report reflects the District's stated intent to contribute 100% or more of the Actuarially Determined Contributions each year and that trust assets will remain invested in CERBT Asset Allocation Strategy 2. We based the valuation on the employee data, details on plan benefits and retiree benefit payments reported to us by the District. **Note that District contributions and payroll for fiscal year 21/22 are estimates.** As with any analysis, the soundness of the report is dependent on the inputs. Please review our summary of this information to be comfortable that it matches your records.

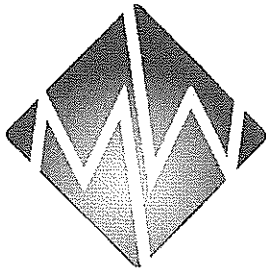
We appreciate the opportunity to work on this analysis and acknowledge the efforts of District employees who provided valuable time and information to enable us to prepare this report. Please let us know if we can be of further assistance.

Sincerely,



Catherine L. MacLeod, FSA, FCA, EA, MAAA
Principal & Consulting Actuary

Enclosure



Delta Mosquito & Vector Control District

Actuarial Valuation of Other
Post-Employment Benefit Programs
As of June 30, 2021

Development of OPEB Prefunding Levels
& GASB 75 Report for the FYE June 30, 2022

Submitted March 2022

MacLeod Watts

Table of Contents

A.	Executive Summary	1
	OPEB Obligations of the District.....	1
	OPEB Funding Policy	1
	Actuarial Assumptions	2
	Important Dates for GASB 75 in this Report.....	2
	Significant Results and Differences from the Prior Valuation.....	2
	Impact on Statement of Net Position and OPEB Expense for Fiscal Year Ending 2022.....	3
	Important Notices	3
B.	Valuation Process	4
C.	Valuation Results as of June 30, 2021	6
D.	Accounting Information (GASB 75)	9
	Components of Net Position and Expense	9
	Change in Net Position During the Fiscal Year	10
	Change in Fiduciary Net Position During the Measurement Period	11
	Expected Long-term Return on Trust Assets	11
	Recognition Period for Deferred Resources	12
	Deferred Resources as of Fiscal Year End and Expected Future Recognition	12
	Sensitivity of Liabilities to Changes in the Discount Rate and Healthcare Cost Trend Rate ...	13
	Schedule of Changes in the District’s Net OPEB Liability and Related Ratios	14
	Schedule of Contributions.....	15
	Detail of Changes to Net Position	16
	Schedule of Deferred Outflows and Inflows of Resources	17
	District Contributions to the Plan.....	18
	Projected Benefit Payments (15-year projection)	19
	Sample Journal Entries.....	20
E.	Funding Information	21
F.	Certification	24
G.	Supporting Information	26
	Addendum 1: Important Background Information.....	34
	Addendum 2: MacLeod Watts Age Rating Methodology	40
	Addendum 3: MacLeod Watts Mortality Projection Methodology	41
	Glossary.....	42



A. Executive Summary

This report presents the results of the June 30, 2021, actuarial valuation and accounting information for the other post-employment benefit (OPEB) program of the Delta Mosquito & Vector Control District (the District). The purposes of this report are to: 1) summarize the results of the valuation; 2) develop Actuarially Determined Contribution (ADC) levels for prefunding plan benefits; 3) provide information required by the California Employers' Retiree Benefit Trust (CERBT); and 4) provide disclosure information as required by Statement No. 75 of the Governmental Accounting Standards Board (GASB 75) for the fiscal year ending June 30, 2022.

Important background information regarding the valuation process can be found in Addendum 1. We recommend users of the report read this information to familiarize themselves with the process and context of actuarial valuations, including the requirements of GASB 75. The pages following this executive summary present exhibits and other information relevant for disclosures under GASB 75.

Absent material changes to this plan, the results of the June 30, 2021, valuation will also be applied to prepare the District's GASB 75 report for the fiscal year ending June 30, 2023. If there are any significant changes in the employee population, plan benefits or eligibility, or to the District's funding policy, please let us know, as an earlier valuation might be required or appropriate.

OPEB Obligations of the District

The District provides continuation of medical coverage to its retiring employees. This benefit creates one or more of the following types of OPEB liabilities:

- **Explicit subsidy liabilities:** An "explicit subsidy" exists when the employer contributes directly toward the cost of retiree healthcare. In this program, the District contributes a portion of retiree medical premiums for qualifying retirees. These benefits are described in Section 2.
- **Implicit subsidy liabilities:** As is the nature of group premium rate structures, at some ages, retirees may be expected to experience higher claims than the premiums they pay, where at other ages, the reverse may be true. An "implicit subsidy" exists when premiums are developed using blended active and retiree claims experience. When this occurs, premiums charged for active employees typically subsidize retiree claims and are said to "implicitly subsidize" retirees.

In the CalPERS medical program, the claims experience is blended, and the same monthly premiums are charged for active employees and for pre-Medicare retirees. We determine the implicit rate subsidy for pre-Medicare retirees as the projected difference between (a) retiree medical claim costs by age and (b) premiums charged for retiree coverage. For more information see Section 3 and Addendum 2: MacLeod Watts Age Rating Methodology.

- **Other subsidy liabilities:** In pooled plans that do not blend active and retiree claims experience to develop premiums, such as the CalPERS's plans offered to Medicare retirees, there may be some cross-subsidy between retirees and other employers within the pool. An Actuarial Practice note clarifies that pool subsidies between employers and retirees should be quantified and included in plan liabilities.¹ We determined there is no District liability for a pool subsidy required to be included for this plan.

¹ Exceptions exist for 1) Medicare Advantage Plans, treated as if their premiums are age-based due to the nature of the Federal subsidies paid to these plans, and 2) when employer explicit subsidies to Medicare-covered retirees are low and no part of any potential pool subsidy is expected to be paid by the employer.



Executive Summary

(Continued)

OPEB Funding Policy

The District's OPEB funding policy affects the calculation of liabilities by impacting the discount rate that is used to develop the plan liability and expense. "Prefunding" is the term used when an agency consistently contributes an amount based on an actuarially determined contribution (ADC) each year. GASB 75 allows prefunded plans to use a discount rate that reflects the expected earnings on trust assets. Pay-as-you-go, or "PAYGO", is the term used when an agency only contributes the required retiree benefits when due. When an agency finances retiree benefits on a pay-as-you-go basis, GASB 75 requires the use of a discount rate equal to a 20-year high grade municipal bond rate.

The District has been and continues to prefund its OPEB liability, contributing 100% or more of the Actuarially Determined Contributions each year. With the District's approval, the discount rate used in this valuation is 6.0%, reflecting the District's expectation of the long-term return on trust assets as of the measurement date. For additional information, see Expected Return on Trust Assets on page 11.

Actuarial Assumptions

Certain actuarial "demographic" assumptions (i.e., rates of retirement, retiree mortality and other termination of employment prior to retirement) used in this report were chosen, for the most part, to be the same as the actuarial demographic assumptions used for the most recent valuation of the retirement plan(s) covering District employees. Other assumptions, such as age-related healthcare claims, healthcare trend, retiree participation rates and spouse coverage, were selected based on demonstrated plan experience and/or our best estimate of expected future experience. All these assumptions, and more, impact expected future benefits. Please note that this valuation has been prepared on a closed group basis. This means that only employees and retirees present as of the valuation date are considered. We do not consider replacement employees for those we project to leave the current population of plan participants until the valuation date following their employment.

We emphasize that this actuarial valuation provides a projection of future results based on many assumptions. Actual results are likely to vary to some extent and we will continue to monitor these assumptions in future valuations. See Section 3 for a description of assumptions used in this valuation.

Important Dates for GASB 75 in this Report

GASB 75 allows reporting liabilities as of any fiscal year end based on: (1) a *valuation date* no more than 30 months plus 1 day prior to the close of the fiscal year end; and (2) a *measurement date* up to one year prior to the close of the fiscal year. The following dates were used for this report:

Fiscal Year End	June 30, 2022
Measurement Date	June 30, 2021
Measurement Period	June 30, 2020, to June 30, 2021
Valuation Date	June 30, 2021



Executive Summary
(Concluded)

Significant Results and Differences from the Prior Valuation

No benefit changes were reported as having occurred since the June 2019 valuation was prepared. We reviewed and updated certain assumptions used to project the OPEB liability. Differences between actual and expected liabilities since June 2019 were also recognized (referred to as “plan experience”). The difference between actual and expected return on trust assets was also determined.

The Net OPEB Liability on the current measurement date is less than that reported one year ago. Section C. presents the new valuation results and provides additional information on the impact of the new assumptions and plan experience. See *Recognition Period for Deferred Resources* on page 12 for details on how these changes are recognized.

Impact on Statement of Net Position and OPEB Expense for Fiscal Year Ending 2022

The plan’s impact to Net Position will be the sum of difference between assets and liabilities as of the measurement date plus the unrecognized net outflows and inflows of resources. Different recognition periods apply to deferred resources depending on their origin. The plan’s impact on Net Position on the measurement date can be summarized as follows:

Items	For Reporting At Fiscal Year Ending June 30, 2022
Total OPEB Liability	\$ 418,218
Fiduciary Net Position	729,882
Net OPEB Liability (Asset)	(311,664)
Deferred (Outflows) of Resources	(21,080)
Deferred Inflows of Resources	339,293
Impact on Statement of Net Position	<u>\$ 6,549</u>
 OPEB Expense, FYE 6/30/2022	 <u>\$ (51,828)</u>

Important Notices

This report is intended to be used only to present the actuarial information relating to other postemployment benefits for the District’s financial statements. The results of this report may not be appropriate for other purposes, where other assumptions, methodology and/or actuarial standards of practice may be required or more suitable. We note that various issues in this report may involve legal analysis of applicable law or regulations. The District should consult counsel on these matters; MacLeod Watts does not practice law and does not intend anything in this report to constitute legal advice. In addition, we recommend the District consult with their internal accounting staff or external auditor or accounting firm about the accounting treatment of OPEB liabilities.

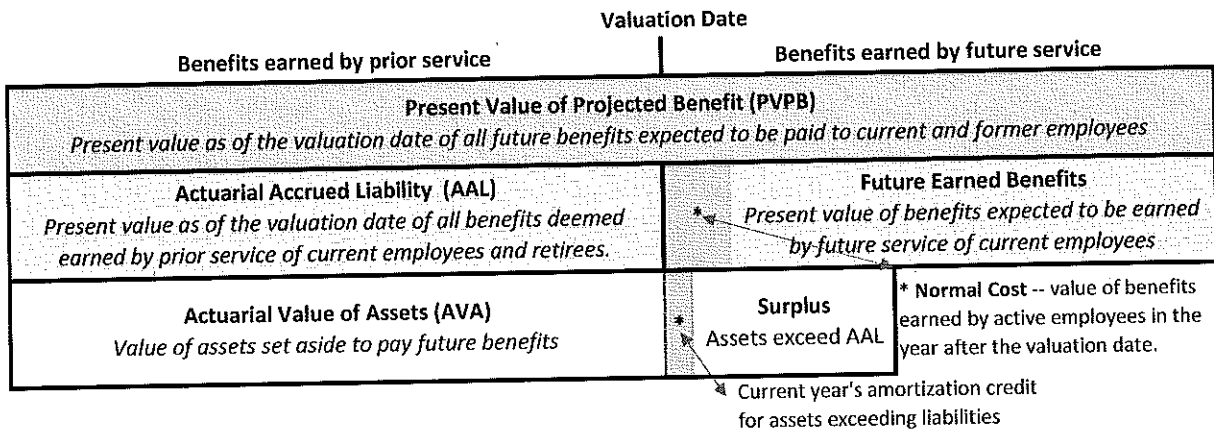


B. Valuation Process

This valuation is based on employee census data and benefits initially submitted by the District and clarified in various related communications. A summary of the employee data is provided in Section 1 and a summary of the plan benefits is provided in Section 2. While individual employee records have been reviewed to verify that they are reasonable in various respects, the data has not been audited and we have otherwise relied on the District as to its accuracy. The valuation has been performed in accordance with the process described below using the actuarial methods and assumptions described in Section 3 and is consistent with our understanding of Actuarial Standards of Practice.

In projecting benefit values and liabilities, we first determine an expected premium or benefit stream over each current retiree's or active employee's future retirement. Benefits may include both direct employer payments (explicit subsidies) and any implicit subsidies arising when retiree premiums are expected to be partially subsidized by premiums paid for active employees. The projected benefit streams reflect assumed trends in the cost of those benefits and assumptions as to the expected dates when benefits will end. Assumptions regarding the probability that each employee will remain in service to receive benefits and the likelihood the employee will elect coverage for themselves and their dependents are also applied.

We then calculate a present value of these future benefit streams by discounting the value of each future expected employer payment back to the valuation date using the valuation discount rate. This present value is called the **Present Value of Projected Benefits (PVPB)** and represents the current value of all expected future plan payments to current retirees and current active employees. Note that this long-term projection does not anticipate entry of future employees.



The next step in the valuation process splits the Present Value of Projected Benefits into 1) the value of benefits already earned by prior service of current employees and retirees and 2) the value of benefits expected to be earned by future service of current employees. Actuaries employ an "attribution method" to divide the PVPB into prior service liabilities and future service liabilities. For this valuation we used the **Entry Age Normal** attribution method. This method is the most common used for government funding purposes and the only attribution method allowed for financial reporting under GASB 75.

We call the value of benefits deemed earned by prior service the **Actuarial Accrued Liability (AAL)**. Benefits deemed earned by service of active employees in a single year is called the **Normal Cost** of



Valuation Process
(Concluded)

benefits. The present value of all future normal costs (PVFNC) plus the Actuarial Accrued Liability will equal the Present Value of Projected Benefits (i.e. PVPB = AAL + PVFNC).

The difference between the value of trust assets (i.e. the Market Value of Assets), or a smoothed asset value (i.e. the Actuarial Value of Assets), and the Actuarial Accrued Liability yields the **Unfunded Actuarial Accrued Liability (UAAL)**. The UAAL represents, as of the valuation date, the present value of benefits already earned by past service that remain unfunded. A plan is generally considered “fully funded” when the UAAL is zero. The plan sponsor of a fully funded plan will still need to make future contributions for benefits earned by future service of active employees. But in a fully funded plan, the plan sponsor has set aside sufficient assets to pay for benefits that have been earned by past service of current retirees and active employees if all valuation assumptions are realized.

Future contributions by the District will fund 1) the remaining part of OPEB benefits earned by past service (the Unfunded Actuarial Accrued Liability) *if any* and 2) the value of benefits earned each year by service of active employees. Various strategies might be employed to pay down the UAAL such as longer or shorter amortization payments, and flat or escalating payments depending on the plan sponsors goals and funding philosophy. In a plan where assets exceed the AAL (a surplus), a portion of the surplus is applied each year as a partial credit toward offsetting of the current year service cost.

Variation in Future Results

Please note that projections of future benefits over such long periods (frequently 70 or more years) which are dependent on numerous assumptions regarding future economic and demographic variables are subject to substantial revision as future events unfold. While we believe that the assumptions and methods used in this valuation are reasonable for the purposes of this report, the costs to the District reflected in this report are subject to future revision, perhaps materially. Demonstrating the range of potential future plan costs was beyond the scope of our assignment except to the limited extent of providing liability information at various discount rates.

Finally, certain actuarial terms and GASB 75 terms may be used interchangeably. We note a few in the table below.

Actuarial Terminology	GASB 75 Terminology
Present Value of Projected Benefits (PVPB)	<i>No equivalent term</i>
Actuarial Accrued Liability (AAL)	Total OPEB Liability (TOL)
Market Value of Assets (MVA)	Fiduciary Net Position
Actuarial Value of Assets (AVA)	<i>No equivalent term</i>
Unfunded Actuarial Accrued Liability (UAAL)	Net OPEB Liability
Normal Cost	Service Cost

Specific results from this valuation are provided in the following Section C.

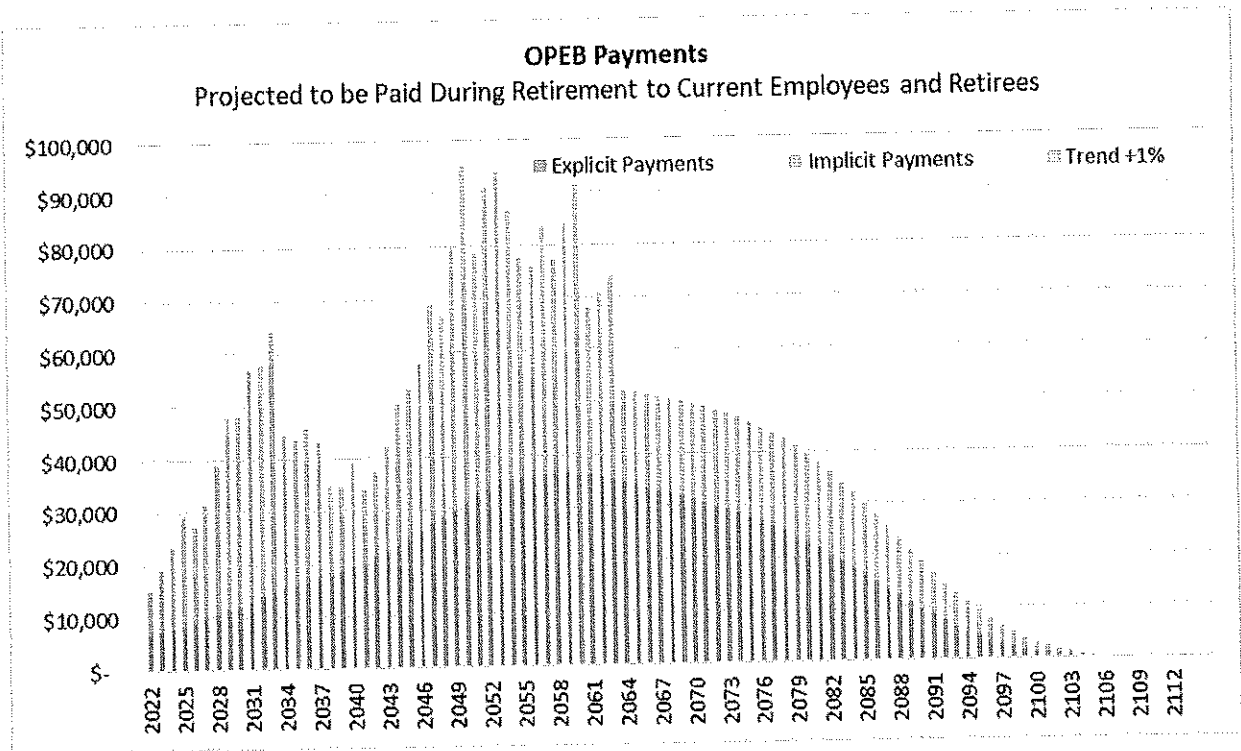


C. Valuation Results as of June 30, 2021

This section presents the basic results of our recalculation of the OPEB liability using the updated employee data, plan provisions and asset information provided to us for the June 2021 valuation. We described the general process for projecting all future benefits to be paid to retirees and current employees in the preceding Section. Expected annual benefits have been projected on the basis of the actuarial assumptions outlined in Supporting Information, Section 3.

Lifetime healthcare benefits are paid for qualifying District retirees. Benefit levels vary based on the employee's hire date with the District. Please see Supporting Information, Section 2 for details.

The following graph illustrates the annual other post-employment benefits projected to be paid on behalf of current retirees and current employees expected to retire from the District. Benefits for any possible future employees (not yet hired) are not included in the graph or in this valuation.



The amounts shown in green reflect the expected payment by the District toward retiree medical premiums while those in yellow reflect the implicit subsidy benefits (i.e., the excess of retiree medical and prescription drug claims over the premiums expected to be charged during the year for retirees' coverage). The projections in gray reflect increases in benefit levels if healthcare trend were 1% higher.

The first 15 years of benefit payments from the graph above are shown in tabular form on page 19.

Liabilities relating to these projected benefits are shown beginning on the following page



Valuation Results as of June 30, 2021
 (Continued)

This chart compares the results measured as of June 30, 2020, based on the June 2019 valuation, with the results measured as of June 30, 2021, based on the June 2021 actuarial valuation.

Valuation Date	6/30/2019			6/30/2021		
	6/30/2021			6/30/2022		
Measurement Date	6/30/2020			6/30/2021		
Discount rate	6.25%			6.00%		
Number of Covered Employees						
Actives	16			17		
Retirees	2			4		
Total Participants	18			21		
OPEB Subsidy Type						
Actuarial Present Value of Projected Benefits						
Actives	\$ 251,770	\$ 430,887	\$ 682,657	\$ 191,054	\$ 260,049	\$ 451,103
Retirees	23,320	(16,792)	6,528	99,499	82,719	182,218
Total APVPB	275,089	414,096	689,185	290,553	342,768	633,321
Total OPEB Liability (TOL)						
Actives	197,878	350,262	548,140	89,042	146,958	236,000
Retirees	23,320	(16,792)	6,528	99,499	82,719	182,218
TOL	221,198	333,470	554,668	188,541	229,677	418,218
Fiduciary Net Position			610,175			729,882
Net OPEB Liability			(55,507)			(311,664)
Service Cost	7,863	13,185	21,048	11,406	12,597	24,003
For the period following the measurement date						

Trust assets are 175% of the past service liability (the Total OPEB Liability) and about 115% of the Present value of Projected Benefits. The ratio of assets to the TOL is up from 110% as of June 30, 2020. The TOL has increased by \$256,157 from that reported one year ago. Part of the change was expected and some of this change was unexpected. Reasons for the change in the Total OPEB Liability (TOL) are discussed on the following page.



Valuation Results as of June 30, 2021

(Concluded)

Expected changes: The TOL was expected to increase by \$34,915 from normal plan operation, i.e., from additional service and interest costs accrued and reduced by benefits paid to retirees.

Unexpected changes decreased the expected TOL by an additional \$171,365. These unexpected changes fall into the following two categories:

- *Plan experience* recognizes results which are different than expected based on the prior valuation data and assumptions. Plan experience over the prior two years decreased the TOL by \$177,983 relative to what was previously projected. Recent retirees not electing medical coverage for themselves and/or their spouse account for this decrease, with some offset from other changes. These retirees remain eligible to change their coverage elections in the future.
- *Assumption changes* collectively increased the TOL by \$6,618. The largest change related to the decrease in the spouse coverage assumption; this change was largely offset by three other assumption updates. Details for all changes are provided on the last page in Supporting Information, Section 3.

This chart reconciles the TOL reported for fiscal year end June 30, 2021, to the TOL to be reported as of June 30, 2022.

Reported Total OPEB Liability at June 30, 2021 Measurement Date June 30, 2020	\$ 554,668
Expected Changes:	
Service Cost	21,048
Benefit Payments	(21,445)
Interest Cost	35,312
Total Expected Change	34,915
Expected Total OPEB Liability at June 30, 2022 Measurement Date June 30, 2021	\$ 589,583
Unexpected Changes:	
Plan experience different than assumed:	
Premiums and estimated claims other than expected	148,704
Retirements and turnover other than expected	(323,323)
Other plan experience	(3,364)
Assumption Changes:	
Decrease in spouse coverage assumption	(16,219)
Change in healthcare trend model	11,391
Changed discount rate	10,907
Change in demographic and economic assumptions and mortality improvement scale	539
Total Unexpected Change	(171,365)
Actual Total OPEB Liability at June 30, 2022 Measurement Date June 30, 2021	\$ 418,218



D. Accounting Information (GASB 75)

The following exhibits are designed to satisfy the reporting and disclosure requirements of GASB 75 for the fiscal year end June 30, 2022.

Deferred Contributions shown in this report are estimates subject to change based on the final reported contribution amounts paid during fiscal year 2021-2022.

Components of Net Position and Expense

The exhibit below shows the development of Net Position and Expense as of the Measurement Date.

Plan Summary Information for FYE June 30, 2022

Measurement Date is June 30, 2021

Delta MVCD

Items Impacting Net Position:

Total OPEB Liability	\$ 418,218
Fiduciary Net Position	729,882
Net OPEB Liability (Asset)	<u>(311,664)</u>

Deferred (Outflows) Inflows of Resources Due to:

Assumption Changes	68,331
Plan Experience	202,829
Investment Experience	62,235
Deferred Contributions	<u>(15,182)</u>
Net Deferred (Outflows) Inflows of Resources	318,213

Impact on Statement of Net Position, FYE 6/30/2022 **\$ 6,549**

Items Impacting OPEB Expense:

Service Cost	\$ 21,048
Cost of Plan Changes	-
Interest Cost	35,312
Expected Earnings on Assets	<u>(38,129)</u>
Administrative Expenses	222

Recognized Deferred Resource items:

Assumption Changes	(24,148)
Plan Experience	(33,126)
Investment Experience	<u>(13,007)</u>

OPEB Expense, FYE 6/30/2022 **\$ (51,828)**



Accounting Information
(Continued)

Change in Net Position During the Fiscal Year

The exhibit below shows the year-to-year changes in the components of Net Position.

For Reporting at Fiscal Year End Measurement Date	6/30/2021 6/30/2020	6/30/2022 6/30/2021	Change During Period
Total OPEB Liability	\$ 554,668	\$ 418,218	\$ (136,450)
Fiduciary Net Position	610,175	729,882	119,707
Net OPEB Liability (Asset)	(55,507)	(311,664)	(256,157)
<i>Deferred Resource (Outflows) Inflows Due to:</i>			
Assumption Changes	99,097	68,331	(30,766)
Plan Experience	57,972	202,829	144,857
Investment Experience	(6,558)	62,235	68,793
Deferred Contributions	(21,445)	(15,182)	6,263
Net Deferred (Outflows) Inflows	129,066	318,213	189,147
Impact on Statement of Net Position	\$ 73,559	\$ 6,549	\$ (67,010)

Change in Net Position During the Fiscal Year

Impact on Statement of Net Position, FYE 6/30/2021	\$ 73,559
OPEB Expense (Income)	(51,828)
Employer Contributions During Fiscal Year	(15,182)
Impact on Statement of Net Position, FYE 6/30/2022	<u>\$ 6,549</u>

OPEB Expense

Employer Contributions During Fiscal Year	\$ 15,182
Deterioration (Improvement) in Net Position	(67,010)
OPEB Expense (Income), FYE 6/30/2022	<u>\$ (51,828)</u>



Accounting Information
(Continued)

Change in Fiduciary Net Position During the Measurement Period

		Delta MVCD
Fiduciary Net Position at Fiscal Year Ending 6/30/2021	\$	610,175
<i>Measurement Date 6/30/2020</i>		
 Changes During the Period:		
Investment Income		119,929
Employer Contributions		21,445
Administrative Expenses		(222)
Benefit Payments		(21,445)
Net Changes During the Period		119,707
 Fiduciary Net Position at Fiscal Year Ending 6/30/2022	 \$	 729,882
<i>Measurement Date 6/30/2021</i>		

Expected Long-term Return on Trust Assets

The expected long-term return on trust assets was derived from information published by CalPERS for CERBT Strategy 2. CalPERS determined its returns using a building-block method and best-estimate ranges of expected future real rates of return for each major asset class (expected returns, net of OPEB plan investment expense and inflation). The target allocation and best estimates of geometric real rates of return published by CalPERS for each major class are summarized in the following table:

CERBT Strategy 2		Years 1-10			Years 11+		
Major Asset Classification	Target Allocation	General Inflation Rate Assumption	1-10 Year Expected Real Rate of Return*	Compound Return Yrs 1-10	General Inflation Rate Assumption	11+ Year Expected Real Rate of Return*	Compound Return Years 11+
Global Equity	40%	2.50%	5.25%	7.75%	3.00%	5.71%	8.71%
Fixed Income	39%	2.50%	1.79%	4.29%	3.00%	2.40%	5.40%
Global Real Estate(REITs)	8%	2.50%	3.25%	5.75%	3.00%	7.88%	10.88%
Treasury Inflation Protected Securities (TIPS)	10%	2.50%	1.00%	3.50%	3.00%	2.25%	5.25%
Commodities	3%	2.50%	0.34%	2.84%	3.00%	4.95%	7.95%
Volatility	9.32%						

CalPERS' expected returns are split for years 1-10 and years 11 and thereafter. To derive the expected return specifically for the District, we projected plan benefits in each future year. Then applying the plan specific benefit payments to CalPERS' bifurcated return expectations, we determined the single equivalent long-term rate of return to be 6.35%. The District is less optimistic about expected future returns and, in fact, CalPERS has signaled that soon to be released updated expected returns are expected to be lower than the current published returns shown above. Accordingly, the District approved 6.0% as the assumed long term trust return for both accounting (GASB 75) and plan funding purposes (determining Actuarially Determined Contributions).



Accounting Information
(Continued)

Recognition Period for Deferred Resources

Liability changes due to plan experience which differs from what was assumed in the prior measurement period and/or from assumption changes during the period are recognized over the plan's Expected Average Remaining Service Life ("EARSL"). The EARSL of 9.19 years is the period used to recognize such changes in the OPEB Liability arising during the current measurement period.

When applicable, changes in the Fiduciary Net Position due to investment performance different from the assumed earnings rate are always recognized over 5 years.

Liability changes attributable to benefit changes occurring during the period, if any, are recognized immediately.

Deferred Resources as of Fiscal Year End and Expected Future Recognition

The exhibit below shows deferred resources as of the fiscal year end June 30, 2022.

Delta Mosquito & Vector Control District	Deferred Outflows of Resources	Deferred Inflows of Resources
Changes of Assumptions	\$ 5,898	\$ 74,229
Differences Between Expected and Actual Experience	-	202,829
Net Difference Between Projected and Actual Earnings on Investments	-	62,235
Deferred Contributions	15,182	-
Total	\$ 21,080	\$ 339,293

In addition, future recognition of these deferred resources is shown below.

For the Fiscal Year Ending June 30	Recognized Net Deferred Outflows (Inflows) of Resources
2023	\$ (71,563)
2024	(73,297)
2025	(55,288)
2026	(44,864)
2027	(28,504)
Thereafter	(59,879)



Accounting Information
(Continued)

Sensitivity of Liabilities to Changes in the Discount Rate and Healthcare Cost Trend Rate

The discount rate used for accounting purposes for the fiscal year end 2022 is 6.0%. Healthcare Cost Trend Rate was assumed to start at 5.7% (increase effective January 1, 2022) and grade down to 4% for years 2076 and later. The impact of a 1% increase or decrease in these assumptions is shown in the chart below.

Sensitivity to:			
Change in Discount Rate	Current - 1% 5.00%	Current 6.00%	Current + 1% 7.00%
Total OPEB Liability	467,076	418,218	377,263
Increase (Decrease)	48,858		(40,955)
% Increase (Decrease)	11.7%		-9.8%
Net OPEB Liability (Asset)	(262,806)	(311,664)	(352,619)
Increase (Decrease)	48,858		(40,955)
% Increase (Decrease)	15.7%		-13.1%
Change in Healthcare Cost Trend Rate	Current Trend - 1%	Current Trend	Current Trend + 1%
Total OPEB Liability	372,677	418,218	473,692
Increase (Decrease)	(45,541)		55,474
% Increase (Decrease)	-10.9%		13.3%
Net OPEB Liability (Asset)	(357,205)	(311,664)	(256,190)
Increase (Decrease)	(45,541)		55,474
% Increase (Decrease)	-14.6%		17.8%



Accounting Information
(Continued)

Schedule of Changes in the District's Net OPEB Liability and Related Ratios

GASB 75 requires presentation of the 10-year history of changes in the Net OPEB Liability. Only results for years since GASB 75 was implemented (fiscal years 2018 through 2022) are shown in the table.

Fiscal Year Ending	2022	2021	2020	2019	2018
Measurement Date	6/30/2021	6/30/2020	6/30/2019	6/30/2018	6/30/2017
Discount Rate on Measurement Date	6.00%	6.25%	6.25%	6.73%	6.73%
Total OPEB liability					
Service Cost	\$ 21,048	\$ 20,385	\$ 21,074	\$ 20,411	\$ 22,367
Interest	35,312	33,051	37,788	34,517	40,995
Changes of benefit terms	-	-	-	-	-
Differences between expected and actual experience	(177,983)	-	(34,369)	-	(70,089)
Changes of assumptions	6,618	-	(44,883)	-	(142,522)
Benefit payments	(21,445)	(14,388)	(8,789)	(5,188)	(6,348)
Net change in total OPEB liability	(136,450)	39,048	(29,179)	49,740	
Total OPEB liability - beginning	554,668	515,620	544,799	495,059	650,656
Total OPEB liability - ending (a)	\$ 418,218	\$ 554,668	\$ 515,620	\$ 544,799	\$ 495,059
Plan fiduciary net position					
Contributions - employer	\$ 21,445	\$ 46,366	\$ 39,781	\$ 66,851	\$ 69,600
Net investment income	119,929	31,217	35,688	20,262	15,186
Benefit payments	(21,445)	(14,388)	(8,789)	(5,188)	(6,348)
Administrative Expenses	(222)	(285)	(110)	(238)	(197)
Other Expenses	-	-	-	(528)	-
Net change in plan fiduciary net position	119,707	62,910	66,570	81,159	78,241
Plan fiduciary net position - beginning	610,175	547,265	480,695	399,536	321,295
Plan fiduciary net position - ending (b)	\$ 729,882	\$ 610,175	\$ 547,265	\$ 480,695	\$ 399,536
Net OPEB liability - ending (a) - (b)	\$ (311,664)	\$ (55,507)	\$ (31,645)	\$ 64,104	\$ 95,523
Covered-employee payroll	\$ 1,354,016	\$ 1,360,437	\$ 1,312,297	\$ 1,093,705	\$ 1,093,868
Net OPEB liability as a % of covered-employee payroll	-23.02%	-4.08%	-2.41%	5.86%	8.73%



Accounting Information
(Continued)

Schedule of Contributions

This chart shows the Actuarially Determined Contributions and the District's OPEB contributions made since GASB 75 was implemented. *Contributions and payroll shown below for FYE 2022 are estimates.*

Fiscal Year Ending	FYE 2021	FYE 2021	FYE 2020	FYE 2019	FYE 2018
Actuarially Determined Contribution	\$ -	\$ 12,004	\$ 31,978	\$ 30,992	\$ 61,663
Contributions in relation to the actuarially determined contribution	<u>15,182</u>	<u>\$ 21,445</u>	<u>\$ 46,248</u>	<u>\$ 39,781</u>	<u>\$ 71,922</u>
Contribution deficiency (excess)	<u>\$ (15,182)</u>	<u>\$ (9,441)</u>	<u>\$ (14,270)</u>	<u>\$ (8,789)</u>	<u>\$ (10,259)</u>
Covered employee payroll	\$ 1,394,636	\$ 1,354,016	\$ 1,360,437	\$ 1,312,297	\$ 1,093,868
Contributions as % of covered employee payroll	1.1%	1.6%	3.4%	3.0%	6.6%
% of ADC contributions	ADC = \$0	178.6%	144.6%	128.4%	116.6%

Notes to Schedule: Assumptions to determine Actuarially Determined Contributions

Valuation Date	6/30/2019			7/1/2017	
Actuarial cost method	Entry Age Normal			Entry Age Normal	
Amortization method	Level % of Pay, closed 10 yr period			Level % of Pay, closed 10 yr period	
Amortization period	6 yrs remain	7 yrs remain	8 yrs remain	9 yrs remain	10 yrs remain
Asset valuation method	Market Value			Market Value	
Inflation	2.75%			2.75%	
Healthcare cost trend rates	6.50% in 2021, stepping down 0.5% each yr to 5.0% in 2024			7.50% in 2019, stepping down 0.5% each yr to 5.0% in 2024	
Salary increases	3.25%			3.25%	
Investment rate of return	6.25%			6.73%	
Retirement age	From 50 to 75			From 50 to 75	
Mortality	CalPERS 2017 Experience Study			CalPERS 2014 Experience Study	
Mortality Improvement	MacLeod Watts Scale 2018			MacLeod Watts Scale 2017	



Accounting Information
 (Continued)

Detail of Changes to Net Position

The chart below details changes to all components of Net Position.

Delta Mosquito & Vector Control District	Total OPEB Liability (a)	Fiduciary Net Position (b)	Net OPEB Liability (c) = (a) - (b)	(d) Deferred Outflows (Inflows) Due to:				Impact on Statement of Net Position (e) = (c) - (d)
				Assumption Changes	Plan Experience	Investment Experience	Deferred Contributions	
Balance at Fiscal Year Ending 6/30/2021 <i>Measurement Date 6/30/2020</i>	\$ 554,668	\$ 610,175	\$ (55,507)	\$ (99,097)	\$ (57,972)	\$ 6,558	\$ 21,445	\$ 73,559
Changes During the Period:								
Service Cost	21,048		21,048					21,048
Interest Cost	35,312		35,312					35,312
Expected Investment Income		38,129	(38,129)					(38,129)
Employer Contributions		21,445	(21,445)					(21,445)
Changes of Benefit Terms			-					-
Administrative Expenses		(222)	222					222
Benefit Payments	(21,445)	(21,445)	-					-
Assumption Changes	6,618		6,618	6,618				-
Plan Experience	(177,983)		(177,983)		(177,983)			-
Investment Experience		81,800	(81,800)			(81,800)		-
Recognized Deferred Resources				24,148	33,126	13,007	(21,445)	(48,836)
Employer Contributions in Fiscal Year							15,182	(15,182)
Net Changes in Fiscal Year 2021-2022	(136,450)	119,707	(256,157)	30,766	(144,857)	(68,793)	(6,263)	(67,010)
Balance at Fiscal Year Ending 6/30/2022 <i>Measurement Date 6/30/2021</i>	\$ 418,218	\$ 729,882	\$ (311,664)	\$ (68,331)	\$ (202,829)	\$ (62,235)	\$ 15,182	\$ 6,549



Accounting Information
 (Continued)

Schedule of Deferred Outflows and Inflows of Resources

A listing of all deferred resource bases used to develop the Net Position and OPEB Expense is shown below. Deferred Contributions are not shown.

Measurement Date: June 30, 2021

Date Created	Deferred Resource			Balance as of Jun 30, 2021	Recognition of Deferred Outflow or Deferred (Inflow) in Measurement Period:							
	Created Due To	Initial Amount	Period (Yrs)		Annual Recognition	2020-21 (FYE 2022)	2021-22 (FYE 2023)	2022-23 (FYE 2024)	2023-24 (FYE 2025)	2024-25 (FYE 2026)	2025-26 (FYE 2027)	Thereafter
6/30/2017	Assumption Changes	\$ (142,522)	7.39	\$ (19,286)	\$ (46,092)	\$ (19,286)	\$ (19,286)	\$ (19,286)	\$ (7,520)	\$ -	\$ -	\$ -
	Investment											
6/30/2017	Earnings	6,407	5.00	1,281	-	-	-	-	-	-	-	-
	Plan Experience	(70,089)	7.39	(9,484)	(22,669)	(9,484)	(9,484)	(9,484)	(3,701)	-	-	-
6/30/2018	Earnings	8,676	5.00	1,735	1,736	1,735	1,736	-	-	-	-	-
	Plan Experience	(34,369)	8.04	(4,275)	(21,544)	(4,275)	(4,275)	(4,275)	(4,275)	(4,275)	(4,275)	(169)
6/30/2019	Earnings	(44,883)	8.04	(5,582)	(28,137)	(5,582)	(5,582)	(5,582)	(5,582)	(5,582)	(5,582)	(227)
	Investment	(2,298)	5.00	(460)	(918)	(460)	(460)	-	-	-	-	-
6/30/2020	Earnings	3,977	5.00	795	2,387	795	795	795	797	-	-	-
	Plan Experience	(177,983)	9.19	(19,367)	(158,616)	(19,367)	(19,367)	(19,367)	(19,367)	(19,367)	(19,367)	(61,781)
6/30/2021	Earnings	6,618	9.19	720	5,898	720	720	720	720	720	720	2,298
	Investment	(81,800)	5.00	(16,360)	(65,440)	(16,360)	(16,360)	(16,360)	(16,360)	(16,360)	-	-



Accounting Information
 (Continued)

District Contributions to the Plan

District contributions to the Plan occur as benefits are paid to or on behalf of retirees. Benefit payments may occur in the form of direct payments for premiums (“explicit subsidies”) and/or indirect payments to retirees in the form of higher premiums for active employees (“implicit subsidies”). Note that the implicit subsidy contribution does not represent cash payments to retirees, but rather the reclassification of a portion of active healthcare expense to be recognized as a retiree healthcare cost. For details, see Addendum 1 – Important Background Information.

The District paid all retiree benefits but made no contributions to nor received any reimbursements from the OPEB trust during the measurement period, as shown below.

Employer Contributions During the Measurement Period, Jul 1, 2020 thru Jun 30, 2021	Delta MVCD
Employer Contributions to the Trust	\$ -
Employer Contributions in the Form of Direct Benefit Payments (not reimbursed by trust)	5,376
Implicit contributions	16,069
Total Employer Contributions During the Measurement Period	\$ 21,445

For the current fiscal year, we assumed the District would again pay all retiree medical benefits but make no contributions to nor receive any reimbursements from the OPEB trust. *These estimated contributions should be updated at the close of fiscal year. The District may choose – at its option – to be reimbursed for all benefits paid in excess of the current year’s ADC.*

Employer Contributions During the Fiscal Year, Jul 1, 2021 thru Jun 30, 2022	Delta MVCD
Employer Contributions to the Trust	\$ -
Employer Contributions in the Form of Direct Benefit Payments (not reimbursed by trust)	6,723
Implicit contributions	8,459
Total Employer Contributions During the Fiscal Year	\$ 15,182



Accounting Information
(Continued)

Projected Benefit Payments (15-year projection)

The following is an estimate of other post-employment benefits to be paid on behalf of current retirees and current employees expected to retire from the District. Expected annual benefits have been projected on the basis of the actuarial assumptions outlined in Section 3.

These projections do not include any benefits expected to be paid on behalf of current active employees *prior to* retirement, nor do they include any benefits for potential *future employees* (i.e., those who might be hired in future years).

Projected Annual Benefit Payments							
Fiscal Year Ending June 30	Explicit Subsidy			Implicit Subsidy			Total
	Current Retirees	Future Retirees	Total	Current Retirees	Future Retirees	Total	
2022	\$ 6,482	\$ 241	\$ 6,723	\$ 7,500	\$ 959	\$ 8,459	\$ 15,182
2023	6,880	593	7,473	9,188	2,406	11,594	19,067
2024	7,078	986	8,064	10,818	4,366	15,184	23,248
2025	7,079	1,481	8,560	12,605	7,401	20,006	28,566
2026	7,060	2,191	9,251	5,470	11,510	16,980	26,231
2027	7,020	2,980	10,000	6,488	13,575	20,063	30,063
2028	6,962	3,790	10,752	7,593	18,666	26,259	37,011
2029	6,890	4,611	11,501	8,796	24,605	33,401	44,902
2030	6,807	5,396	12,203	10,115	22,271	32,386	44,589
2031	6,716	6,251	12,967	11,565	27,961	39,526	52,493
2032	6,621	7,553	14,174	13,164	25,130	38,294	52,468
2033	6,527	8,292	14,819	14,922	28,142	43,064	57,883
2034	6,436	8,991	15,427	-	24,438	24,438	39,865
2035	6,354	9,651	16,005	-	22,374	22,374	38,379
2036	6,283	10,323	16,606	-	23,615	23,615	40,221

The amounts shown in the Explicit Subsidy section of the table reflect the expected payment by the District toward retiree medical premiums in each of the years shown. The amounts are shown separately, and in total, for those retired on the valuation date ("current retirees") and those expected to retire after the valuation date ("future retirees"). **The explicit subsidy benefit amount shown for FYE 2022 is currently an estimate and will be replaced with the actual amount, once known.**

The amounts shown in the Implicit Subsidy table reflect the expected excess of retiree medical and prescription drug claims over the premiums expected to be charged during the year for retirees' coverage. These amounts are also shown separately and in total for those currently retired on the valuation date and for those expected to retire in the future.



Accounting Information
(Concluded)

Sample Journal Entries

Beginning Account Balances

As of the fiscal year beginning 7/1/2021

	Debit	Credit
Net OPEB Liability	55,507	
Deferred Resource -- Assumption Changes		99,097
Deferred Resource -- Plan experience		57,972
Deferred Resource -- Investment Experience	6,558	
Deferred Resource -- Contributions	21,445	
Net Position	73,559	

* The entries above assume nothing is on the books at the beginning of the year. So to the extent that values already exist in, for example, the Net OPEB Liability account, then only the difference should be adjusted. The entries above represent the values assumed to exist at the start of the fiscal year.

Journal entry to recharacterize retiree benefit payments as OPEB Expense.

	Debit	Credit
OPEB Expense	6,723	
Premium Expense		6,723

* This entry assumes a prior journal entry was made to record the payment for retiree premiums. This entry assumes the prior entry debited an account called "Premium Expense" and credited Cash. This entry reverses the prior debit to "Premium Expense" and recharacterizes that entry as an "OPEB Expense".

Journal entries to record implicit subsidies during the fiscal year

	Debit	Credit
OPEB Expense	8,459	
Premium Expense		8,459

* This entry assumes that premiums for active employees were recorded to an account called "Premium Expense". This entry reverses the portion of premium payments that represent implicit subsidies and assigns that value to OPEB Expense.

Journal entries to record account activity during the fiscal year

	Debit	Credit
Net OPEB Liability	256,157	
Deferred Resource -- Assumption Changes	30,766	
Deferred Resource -- Plan experience		144,857
Deferred Resource -- Investment Experience		68,793
Deferred Resource -- Contributions		6,263
OPEB Expense		67,010



E. Funding Information

The employer's OPEB funding policy and level of contributions to an irrevocable OPEB trust directly affects the discount rate which is used to calculate the OPEB liability to be reported in the employer's financial statements. Prefunding (setting aside funds to accumulate in an irrevocable OPEB trust) has certain advantages, one of which is the ability to (potentially) use a higher discount rate in the determination of liabilities for GASB 75 reporting purposes. Prefunding also improves the security of benefits for current and potential future recipients and contributes to intergenerational taxpayer equity by better matching the cost of the benefits to the service years in which they are "earned" and which correspond to years in which taxpayers benefit from those services.

Paying Down the UAAL

Once an employer decides to prefund, a decision must be made about how to pay for benefits related to accumulated prior service that have not yet been funded (the UAAL²). This is most often, though not always, handled through structured amortization payments. The period and method chosen for amortizing this unfunded liability can significantly affect the Actuarially Determined Contribution (ADC) or other basis selected for funding the OPEB program.

Much like paying off a mortgage, when the AAL exceeds plan assets, choosing a longer amortization period to pay off the UAAL means smaller payments, but the payments will be required for more years; plan investments will have less time to work toward helping reduce required contribution levels. *When the plan is in a surplus position, the reverse is true, and a longer amortization period is preferable.*

There are several ways the amortization payment can be determined. The most common methods are calculating the amortization payment as a level dollar amount or as a level percentage of payroll. The employer might also choose to apply a shorter period when the UAAL only when it is positive, i.e., when trust assets are lower than the AAL, but opt for a longer period or to exclude amortization of a negative UAAL, when assets exceed the AAL. The entire UAAL may be amortized as one single component or may be broken into multiple components reflecting the timing and source of each change, such as those arising from assumption changes, benefit changes and/or liability or investment experience.

The amortization period(s) should not exceed the number of years which would allow current trust assets plus future contributions and earnings to be sufficient to pay all future benefits and trust expenses each year. Prefunding of OPEB is optional and contributions at any level are permitted. However, if trust sufficiency is not expected, a discount rate other than the assumed trust return will likely be required for accounting purposes.

Funding and Prefunding of the Implicit Subsidy

An implicit subsidy liability is created when retiree medical claims are expected to exceed the premiums charged for retiree coverage. Recognition of the estimated implicit subsidy each year is handled by an accounting entry, reducing the amount paid for active employees and shifting that amount to be treated as a retiree healthcare expense/contribution (see Sample Journal Entries). The implicit subsidy is a true benefit to the retiree but can be difficult to see when medical premiums are set as a flat rate for both actives and pre-Medicare retirees.

² We use actuarial, rather than accounting, terminology to describe the components used to develop the ADCs.



Funding Information

(Continued)

This might lead some employers to believe the benefit is not real or is merely an accounting construct, and thus to forgo prefunding of retiree implicit benefits.

Consider what would happen if the retiree premiums were based only on expected retiree claims experience. Almost certainly, retiree premiums would increase while premiums for active employees would go down if the active premiums no longer had to help support the higher retiree claims. *Who would pay the increases in retiree premiums?* Current plan documents and bargaining agreements would have to be consulted. Depending on circumstances, the increase in retiree premiums might remain the responsibility of the employer, pass entirely to the retirees, or some blending of the two. The answer would determine whether separate retiree-only premium rates would result in a higher or lower employer OPEB liability. In the current premium structure, with blended active and pre-Medicare retiree premiums, the employer is clearly, though indirectly, paying the implicit retiree cost.

The prefunding decision is complex. OPEB materiality, budgetary concerns, desire to use the full trust rate in developing the liability for GASB 75, and other factors must be weighed by each employer. Since prefunding OPEB benefits is not required, each employer's OPEB prefunding strategy will depend on how they balance these competing perspectives.

Development of the Actuarially Determined Contributions

The District has approved development of ADCs based on the following two components, which are then adjusted with interest to each fiscal year end:

- The amounts attributed to service performed in the current fiscal year (the normal cost) and
- Amortization of the unfunded actuarial accrued liability (a surplus) over an open 20-year period. Amortization payments are determined on a level dollar basis.

Actuarially Determined Contributions, developed as described above for the District's fiscal years ending June 30, 2022, 2023 and 2024 are shown the exhibit on the next page. These ADCs incorporate both explicit (cash benefit) and implicit subsidy benefit liabilities. Contributions credited toward meeting the ADC will be comprised of:

- 1) direct payments to insurers toward retiree premiums, to the extent not reimbursed to the District by the trust; plus
- 2) each year's implicit subsidy payment; and
- 3) contributions to the OPEB trust.

ADCs determined on this basis should provide for trust sufficiency, based on the current plan provisions and census data, provided all assumptions are exactly realized and if the District contributes 100% or more of the ADC each year. When an agency commits to funding the trust at or above the ADC, the expected long-term trust return may be used as the discount rate in determining the plan liability for accounting purposes. Trust sufficiency cannot be guaranteed to a certainty, however, because of the non-trivial risk that the assumptions used to project future benefit liabilities may not be realized.



Funding Information
(Continued)

We develop the Actuarially Determined Contributions (ADCs) for fiscal years ending June 30, 2022, 2023 and 2024 from the results of this valuation.

Valuation date	6/30/2021		
Discount rate	6.00%		
Number of Covered Employees			
Actives	17		
Retirees	4		
Total Participants	21		
For fiscal year ending	6/30/2022	6/30/2023	6/30/2024
Actuarial Present Value of Projected Benefits	\$ 633,321	\$ 655,682	\$ 675,384
Actuarial Accrued Liability (AAL)			
Actives	236,000	274,368	313,948
Retirees	182,218	178,749	172,924
Total AAL	418,218	453,117	486,872
Actuarial Value of Assets	729,882	773,675	800,456
Unfunded AAL (UAAL)	(311,664)	(320,558)	(313,584)
UAAL Amortization method	Level Dollar	Level Dollar	Level Dollar
Remaining amortization period (years)	20	20	20
Amortization Factor	12.1581	12.1581	12.1581
Actuarially Determined Contribution (ADC)			
Normal Cost	\$ 24,003	\$ 24,723	\$ 25,464
Amortization of UAAL	(25,635)	(26,366)	(25,793)
Interest to fiscal year end	(98)	(98)	(20)
Total ADC	-	-	-

As described on the prior page, OPEB funding consists of 3 different sources. The chart below estimates how these 3 contribution sources would apply toward satisfying the ADC for each of these years.

1 Implicit subsidy contribution	\$ 8,459	\$ 11,594	\$ 15,184
Additional payments needed to meet ADC	(8,459)	(11,594)	(15,184)
2 Projected agency paid premiums for retirees	6,723	7,473	8,064
3 Expected agency contribution to OPEB trust	-	(19,067)	(23,248)
Total Expected Employer Contributions (1+2+3)	\$ 15,182	\$ -	\$ -

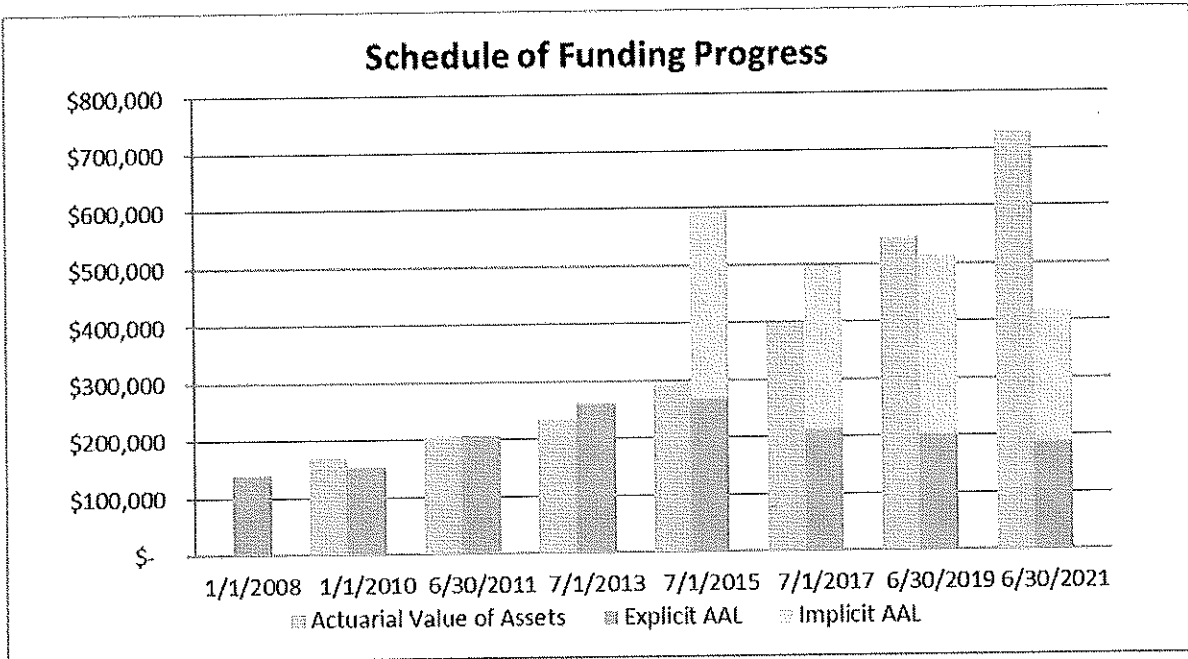
We assumed that the District would contribute (pay) all retiree benefits for the FYE 2022. However, given the current excess of plan assets over the Present value of Projected Benefits, in the later two years, we have assumed that the District will make no contribution to the trust and request a full reimbursement for all retiree benefits (including the portion of premiums paid and the implicit subsidy benefits).



Funding Information
(Concluded)

In this section, we provide a review of key components of valuation results from 2010 through 2021.

Schedule of Funding Progress						
Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (b)	Unfunded Actuarial Accrued Liability (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
1/1/2008	\$ -	\$ 141,337	\$ 141,337	0.0%	\$ 687,306	20.6%
1/1/2010	\$ 170,659	\$ 154,369	\$ (16,290)	110.6%	\$ 758,866	-2.1%
6/30/2011	\$ 207,916	\$ 206,433	\$ (1,483)	100.7%	\$ 890,697	-0.2%
7/1/2013	\$ 235,258	\$ 259,948	\$ 24,690	90.5%	\$ 878,852	2.8%
7/1/2015	\$ 293,516	\$ 595,702	\$ 302,186	49.3%	\$ 855,889	35.3%
7/1/2017	\$ 399,203	\$ 495,059	\$ 95,856	80.6%	\$ 1,068,518	9.0%
6/30/2019	\$ 547,265	\$ 515,620	\$ (31,645)	106.1%	\$ 1,312,297	-2.4%
6/30/2021	\$ 729,882	\$ 418,218	\$ (311,664)	174.5%	\$ 1,354,016	-23.0%



Significant changes in recent years which affected the results include the following:

- **July 1, 2015:** First time recognition of the implicit subsidy liability relating to medical coverage
- **June 30, 2019:** Removed repealed Cadillac tax; updated demographic assumptions
- **June 30, 2021:** Liability decreased from fewer new retirees electing coverage for themselves and/or their spouse; return on trust assets exceeded the assumed rate by a substantial margin.



F. Certification

The purpose of this report is to provide actuarial information of the other postemployment benefits (OPEB) provided by the Delta Mosquito & Vector Control District (the District) in compliance with Statement 75 of the Governmental Accounting Standards Board (GASB 75). We summarized the benefits in this report and our calculations were based on our understanding of the benefits as described herein.

In preparing this report we relied without audit on information provided by the District. This information includes, but is not limited to, plan provisions, census data, and financial information. We performed a limited review of this data and found the information to be reasonably consistent. The accuracy of this report is dependent on this information and if any of the information we relied on is incomplete or inaccurate, then the results reported herein will be different from any report relying on more accurate information.

We consider the actuarial assumptions and methods used in this report to be individually reasonable under the requirements imposed by GASB 75 and taking into consideration reasonable expectations of plan experience. The results provide an estimate of the plan's financial condition at one point in time. Future actuarial results may be significantly different due to a variety of reasons including, but not limited to, demographic and economic assumptions differing from future plan experience, changes in plan provisions, changes in applicable law, or changes in the value of plan benefits relative to other alternatives available to plan members.

Alternative assumptions may also be reasonable; however, demonstrating the range of potential plan results based on alternative assumptions was beyond the scope of our assignment except to the limited extent required by GASB 75 and in accordance with the District's stated OPEB funding policy. Results for accounting purposes may be materially different than results obtained for other purposes such as plan termination, liability settlement, or underlying economic value of the promises made by the plan.

This report is prepared solely for the use and benefit of the District and may not be provided to third parties without prior written consent of MacLeod Watts. Exceptions are: the District may provide copies of this report to their professional accounting and legal advisors who are subject to a duty of confidentiality, and the District may provide this work to any party if required by law or court order. No part of this report should be used as the basis for any representations or warranties in any contract or agreement without the written consent of MacLeod Watts.

The undersigned are unaware of any relationship that might impair the objectivity of this work. Nothing within this report is intended to be a substitute for qualified legal or accounting counsel. The signing actuary is a member of the American Academy of Actuaries and meets the qualification standards for rendering this opinion.

Signed: March 29, 2022



Catherine L. MacLeod, FSA, FCA, EA, MAAA



Cody J. Simrell, Actuarial Analyst



G. Supporting Information

Section 1 - Summary of Employee Data

Active employees: The District reported 17 active employees in the data provided to us for the June 2021 valuation. All 17 were reported as currently enrolled in the medical. Their age and service information is shown below.

Distribution of Benefits-Eligible Active Employees								
Current Age	Years of Service						Total	Percent
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 & Up		
Under 25							0	0%
25 to 29		2					2	12%
30 to 34	2	1					3	18%
35 to 39	1	1	1				3	18%
40 to 44	1	1					2	12%
45 to 49						1	1	6%
50 to 54	1				1	1	3	18%
55 to 59		1			1		2	12%
60 to 64		1					1	6%
65 to 69							0	0%
70 & Up							0	0%
Total	5	7	1	0	2	2	17	100%
Percent	29%	41%	6%	0%	12%	12%	100%	

<u>Valuation</u>	<u>June 2019</u>	<u>June 2021</u>
Average Attained Age for Actives	45.8	43.0
Average Years of Service	14.1	6.6

Retired members: There are also 2 retirees and 2 surviving spouses currently receiving benefits under this program. The average age of these members is 70.6 years.

Summary of Plan Member Counts: GASB 75 requires the employer to report specific plan member counts. The chart below shows these counts as of the June 30, 2021, valuation date:

Summary of Plan Member Counts	
Number of active plan members	17
Number of inactive plan members currently receiving benefits	4
Number of inactive plan members entitled to but not receiving benefits	0



Supporting Information

(Continued)

Section 1 - Summary of Employee Data

(continued)

The chart below reconciles the number of actives and retirees included in the June 2019 valuation of the District plan with those included in the June 2021 valuation:

Reconciliation of District Plan Members Between Valuation Dates					
Status	Covered Actives	Waiving Actives	Covered Retirees	Covered Surviving Spouses	Total
Number reported as of June 30, 2019	13	3	0	2	18
New employees	9				9
Separated employees	(3)				(3)
New retiree, elected coverage	(1)	(1)	2		0
New retiree, waiving coverage	(1)	(2)			(3)
Number reported as of June 30, 2021	17	0	2	2	21

Overall, the number of plan members valued increased by 3, from 18 to 21, representing a 17% increase in population included in the valuation.

Notable changes since the last valuation are:

- The District hired nine new employees
- Three employees left the District
- Two employees newly retired and elected coverage
- Three employees newly retired and waived coverage



Supporting Information

(Continued)

Section 2 - Summary of Retiree Benefit Provisions

OPEB provided: The District provides lifetime medical coverage for qualifying retirees.

Access to coverage: Medical coverage is currently provided through CalPERS as permitted under the Public Employees' Medical and Hospital Care Act (PEMHCA). This coverage requires the employee to satisfy the requirements for retirement under CalPERS, which requires attainment of age 50 (age 52, for PEPRAs employees) with 5 years of State or public agency service or approved disability retirement.

The employee must begin his or her retirement (pension) benefit within 120 days of terminating employment with the District to be eligible to continue retiree medical coverage through the District and be entitled to the employer subsidy described below. In other words, it is the timing of initiating pension benefits and not timing of enrollment in the medical program which determines whether or not the retiree qualifies for lifetime medical coverage and any benefits defined in the PEMHCA resolution.

Once eligible for retiree medical coverage, a retiree not already enrolled in the medical plan may enroll within 60 days of retirement or during any future open enrollment period. Coverage may be continued at the retiree's option for his or her lifetime. A surviving spouse and other eligible dependents may also continue coverage and, if elected, may be eligible to receive the PEMHCA benefit described below.

Benefits provided by the District: As a PEMHCA employer, the District is obligated to contribute toward the cost of retiree medical coverage for the retiree's lifetime or until coverage is discontinued. The benefit is continued to a surviving spouse, if covered at the time of the retiree's death. The District maintains an "unequal" resolution with CalPERS (executed in 2003) defining the level of the District's contribution toward the cost of medical plan premiums for *active* employees to be the PEMHCA minimum employer contribution (MEC)³. The District's contribution toward *retiree* medical benefits is determined by multiplying (a), (b) and (c) together, as described below:

(a) 5% *times* (b) the number of prior years the employer has been contracted with PEMHCA *times* (c) the employer's contribution toward active employee health benefits (i.e., the MEC).

The District's contribution toward retiree medical coverage was \$128.70 in 2021 and is \$141.55 in 2022.

The 2021 CalPERS monthly medical plan rates in the Region 2 rate group are shown below.

Region 2 2021 Health Plan Rates						
Plan	Actives and Pre-Med Retirees			Medicare Eligible Retirees		
	Ee Only	Ee & 1	Ee & 2+	Ee Only	Ee & 1	Ee & 2+
Anthem Select HMO	674.69	1,349.38	1,754.19	383.37	766.74	1,171.55
PERS Choice PPO	783.19	1,566.38	2,036.29	349.97	699.94	1,169.85
PERS Select PPO	476.92	953.84	1,239.99	349.97	699.94	986.09
PERSCare PPO	1,115.68	2,231.36	2,900.77	381.25	762.50	1,431.91

³ It is our understanding that there is a pre-tax flexible benefit plan in place for active employees that provides premiums in excess of the MEC and these additional payments are not required to be provided to retired employees to meet PEMHCA requirements.



Supporting Information

(Continued)

Section 3 - Actuarial Methods and Assumptions

The ultimate real cost of an employee benefit plan is the value of all benefits and other expenses of the plan over its lifetime. These payments depend only on the terms of the plan and the administrative arrangements adopted. The actuarial assumptions are used to estimate the cost of these benefits; the funding method spreads the expected costs on a level basis over the life of the plan.

Important Dates

Valuation Date	June 30, 2021
Fiscal Year End for GASB 75	June 30, 2022
GASB 75 Measurement Date	Last day of the previous fiscal year (June 30, 2021)

Valuation Methods

Funding Method	Entry Age Normal Cost, level percent of pay
Asset Valuation Method	Market value of assets
Participants Valued	Only current active employees and retired participants and covered dependents are valued. No future entrants are considered in this valuation.

Development of Age-related Medical Premiums

Actual premium rates for retirees and their spouses were adjusted to an age-related basis by applying medical claim cost factors developed from the data presented in the report, "Health Care Costs – From Birth to Death", sponsored by the Society of Actuaries. A description of the use of claims cost curves can be found in MacLeod Watts's Age Rating Methodology provided in Addendum 2 to this report.

Monthly baseline premium costs were set equal to the active single premiums shown in the chart at the bottom of Section 2. Representative claims costs derived from the dataset provided by CalPERS for pre-Medicare retirees are shown in the chart on the following page.

Medicare-eligible retirees are covered by plans which are rated solely on the experience of Medicare retirees with no subsidy by active employee premiums. Because the District's contribution toward retiree premiums is less than the lowest age adjusted premium, there is no pool subsidy to be recognized as a District liability. Age-based claims were not used for Medicare retirees in this valuation.



Supporting Information

(Continued)

Section 3 - Actuarial Methods and Assumptions

Development of Age-related
 Medical Premiums (concluded)

Expected Monthly Claims by Medical Plan for Selected Ages						
Region	Medical Plan	Male				
		50	53	56	59	62
Region 2	Anthem Select HMO	\$ 724	\$ 854	\$ 992	\$ 1,137	\$ 1,293
	PERS Choice PPO	679	801	930	1,066	1,212
	PERS Select PPO	540	637	739	847	963
	PERSCare PPO	876	1,032	1,199	1,374	1,562
Region	Medical Plan	Female				
		50	53	56	59	62
Region 2	Anthem Select HMO	\$ 898	\$ 986	\$ 1,061	\$ 1,146	\$ 1,264
	PERS Choice PPO	841	924	994	1,074	1,185
	PERS Select PPO	669	735	791	854	942
	PERSCare PPO	1,085	1,192	1,282	1,386	1,527



Supporting Information

(Continued)

Section 3 - Actuarial Methods and Assumptions

Economic Assumptions

Long Term Return on Assets/
Discount Rate for Accounting 6.0% as of June 30, 2021, and 6.25% as of June 30, 2020,
net of plan investment expenses

Long Term Return on Assets/
Discount Rate for Funding 6.0% net of plan investment & trust administrative expenses

General Inflation Rate 2.5% per year

Salary Increase 3.0% per year; since benefits do not depend on salary, this is used
to allocate the cost of benefits between service years.

Healthcare Trend Medical plan premiums and claims costs by age are assumed to
increase once each year. Increases over the prior year's levels were
derived using the Getzen model and are assumed to be effective on
the dates shown in the chart below.

Effective January 1	Premium Increase	Effective January 1	Premium Increase
2022	5.7%	2061-2066	4.8%
2023	5.6%	2067	4.7%
2024	5.5%	2068	4.6%
2025-2026	5.4%	2069	4.5%
2027-2029	5.3%	2070-2071	4.4%
2030-2051	5.2%	2072	4.3%
2052	5.1%	2073-2074	4.2%
2053-2055	5.0%	2075	4.1%
2056-2060	4.9%	2076 & later	4.0%

The healthcare trend shown above was developed using the Getzen Model 2021_b published by the Society of Actuaries using the following settings: CPI 2.5%; Real GDP Growth 1.5%; Excess Medical Growth 1.2%; Expected Health Share of GDP in 2028 20.3%; Resistance Point 25%; Year after which medical growth is limited to growth in GDP 2075.

The required PEMHCA minimum employer contribution (MEC) is assumed to increase annually by 4.0%.

Medicare Eligibility Absent contrary data, all individuals are assumed to be eligible for
Medicare Parts A and B at age 65. Coverage ends at age 65.



Supporting Information
 (Continued)

Section 3 - Actuarial Methods and Assumptions

Participant Election Assumptions

Participation Rate *Currently enrolled active employees:* 60% of active employees are assumed to continue their current plan election in retirement.
Active employees currently waiving coverage: 40% are assumed to elect coverage in the Anthem Select HMO plan in Region 2 at or prior to retirement.
Retired participants: Existing medical plan elections are assumed to continue until the retiree's death.

Spouse Coverage *Active employees:* 70% are assumed to be married when they retire and to elect coverage for their spouse. Surviving spouses are assumed to continue coverage until their death. Husbands are assumed to be 3 years older than their wives.
Retired participants: Existing elections for spouse coverage are assumed to continue until the spouse's death. Actual spouse ages are used, where known; if not, husbands are assumed to be 3 years older than their wives.

Demographic Assumptions

Demographic actuarial assumptions used in this valuation are based on the 2017 experience study of the California Public Employees Retirement System using data from 1997 to 2015, except the basis used to project future mortality improvements. Rates for selected age and service are shown below and on the following pages. The representative mortality rates were those published by CalPERS adjusted to back out 15 years of Scale MP 2016 to central year 2015 and projected as described below.

Mortality Improvement MacLeod Watts Scale 2020 applied generationally from 2015
 (see Addendum 3)

Mortality Before Retirement
 (before improvement applied)

CalPERS Public Agency Miscellaneous Non- Industrial Deaths		
Age	Male	Female
15	0.00019	0.00004
20	0.00027	0.00008
30	0.00044	0.00018
40	0.00070	0.00040
50	0.00135	0.00090
60	0.00288	0.00182
70	0.00693	0.00438
80	0.01909	0.01080



Supporting Information

(Continued)

Section 3 - Actuarial Methods and Assumptions

Mortality After Retirement
 (before improvement applied)

Healthy Lives			Disabled Miscellaneous		
CalPERS Public Agency Miscellaneous, Police & Fire Post Retirement Mortality			CalPERS Public Agency Disabled Miscellaneous Post-Retirement Mortality		
Age	Male	Female	Age	Male	Female
40	0.00070	0.00040	20	0.00027	0.00008
50	0.00431	0.00390	30	0.00044	0.00018
60	0.00758	0.00524	40	0.00070	0.00040
70	0.01490	0.01044	50	0.01371	0.01221
80	0.04577	0.03459	60	0.02447	0.01545
90	0.14801	0.11315	70	0.03737	0.02462
100	0.35053	0.30412	80	0.07218	0.05338
110	1.00000	1.00000	90	0.16585	0.14826

Termination Rates

Miscellaneous Employees: Sum of Vested Terminated & Refund Rates From CalPERS Experience Study Report Issued December 2017						
Attained Age	Years of Service					
	0	3	5	10	15	20
15	0.1812	0.0000	0.0000	0.0000	0.0000	0.0000
20	0.1742	0.1193	0.0654	0.0000	0.0000	0.0000
25	0.1674	0.1125	0.0634	0.0433	0.0000	0.0000
30	0.1606	0.1055	0.0615	0.0416	0.0262	0.0000
35	0.1537	0.0987	0.0567	0.0399	0.0252	0.0184
40	0.1468	0.0919	0.0519	0.0375	0.0243	0.0176
45	0.1400	0.0849	0.0480	0.0351	0.0216	0.0168

Service Retirement Rates

The following safety retirement formulas apply:

For "Classic" employees: 3% @ 60

Each rate in these tables reflects the assumed probability that an employee with that age and service will take a service retirement from the District in the next 12 months.

Miscellaneous Employees: 3.0% at 60 formula From CalPERS Experience Study Report Issued December 2017						
Current Age	Years of Service					
	5	10	15	20	25	30
50	0.0130	0.0190	0.0260	0.0420	0.0380	0.0640
55	0.0400	0.0520	0.0640	0.0850	0.0950	0.1200
60	0.0890	0.1060	0.1230	0.1800	0.2260	0.3160
65	0.2000	0.2420	0.2830	0.3300	0.3000	0.3420
70	0.2200	0.2550	0.2910	0.3260	0.3580	0.3880
75 & over	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000



Supporting Information

(Continued)

Section 3 - Actuarial Methods and Assumptions

Service Retirement Rates

(continued)

For "PEPRA" employees: 2% @ 62

Miscellaneous "PEPRA" Employees: 2% at 62 formula						
From CalPERS Experience Study Report Issued December 2017						
Current Age	Years of Service					
	5	10	15	20	25	30
50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
55	0.0100	0.0190	0.0280	0.0360	0.0610	0.0960
60	0.0310	0.0510	0.0710	0.0910	0.1110	0.1380
65	0.1080	0.1410	0.1730	0.2060	0.2390	0.3000
70	0.1200	0.1560	0.1930	0.2290	0.2650	0.3330
75 & over	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Disability Retirement Rates

Not applied, due to the small size of the employee group

Changes in assumptions or methods since the prior Measurement Date

Trust rate of return
and discount rate

For accounting and funding purposes: Decreased from 6.25% to 6.0%, reflecting updated projections of long term trust returns and projected benefit cash flows.

Mortality improvement

The mortality improvement scale was updated from a graded version of MacLeod Watts Scale 2018 to MacLeod Watts Scale 2020.

Medical trend

Updated the healthcare trend model to the Getzen 2020_b model, as published by the Society of Actuaries.

Spouse coverage

Decreased the assumed probability that an employee would cover a spouse in retirement from 85% to 70%, based upon an analysis of current spouse coverage levels, including recent retiree elections.

General inflation rate

Decreased from 2.75% to 2.5%

Salary scale

Decreased from 3.25% to 3.0%



Addendum 1: Important Background Information

General Types of Other Post-Employment Benefits (OPEB)

Post-employment benefits other than pensions (OPEB) comprise a part of compensation that employers offer for services received. The most common OPEB are medical, prescription drug, dental, vision, and/or life insurance coverage. Other OPEB may include outside group legal, long-term care, or disability benefits outside of a pension plan. OPEB does not generally include COBRA, vacation, sick leave (unless converted to defined benefit OPEB), or other direct retiree payments.

A direct employer payment toward the cost of OPEB benefits is referred to as an “explicit subsidy”. In addition, if claims experience of employees and retirees are pooled when determining premiums, retiree premiums are based on a pool of members which, on average, are younger and healthier. For certain types of coverage such as medical insurance, this results in an “implicit subsidy” of retiree premiums by active employee premiums since the retiree premiums are lower than they would have been if retirees were insured separately. GASB 75 and Actuarial Standards of Practice generally require that an implicit subsidy of retiree premium rates be valued as an OPEB liability.

Expected retiree claims		
Premium charged for retiree coverage		Covered by higher active premiums
Retiree portion of premium	Agency portion of premium Explicit subsidy	Implicit subsidy

This chart shows the sources of funds needed to cover expected medical claims for pre-Medicare retirees. The portion of the premium paid by the Agency does not impact the amount of the implicit subsidy.

Valuation Process

The valuation was based on employee census data and benefits provided by the District. A summary of the employee data is provided in Section 1 and a summary of the benefits provided under the Plan is provided in Section 2. While individual employee records have been reviewed to verify that they are reasonable in various respects, the data has not been audited and we have otherwise relied on the District as to its accuracy. The valuation was also based on the actuarial methods and assumptions described in Section 3.

In developing the projected benefit values and liabilities, we first determine an expected premium or benefit stream over the employee’s future retirement. Benefits may include both direct employer payments (explicit subsidies) and/or an implicit subsidy, arising when retiree premiums are expected to be subsidized by active employee premiums. The projected benefit streams reflect assumed trends in the cost of those benefits and assumptions as to the expected date(s) when benefits will end. We then apply assumptions regarding:

- The probability that each individual employee will or will not continue in service to receive benefits.
- The probability of when such retirement will occur for each retiree, based on current age, service and employee type; and



Important Background Information

(Continued)

- The likelihood that future retirees will or will not elect retiree coverage (and benefits) for themselves and/or their dependents.

We then calculate a present value of these benefits by discounting the value of each future expected benefit payment, multiplied by the assumed expectation that it will be paid, back to the valuation date using the discount rate. These benefit projections and liabilities have a very long time horizon. The final payments for currently active employees may not be made for many decades.

The resulting present value for each employee is allocated as a level percent of payroll each year over the employee's career using the entry age normal cost method and the amounts for each individual are then summed to get the results for the entire plan. This creates a cost expected to increase each year as payroll increases. Amounts attributed to prior fiscal years form the "Total OPEB Liability". The OPEB cost allocated for active employees in the current year is referred to as "Service Cost".

Where contributions have been made to an irrevocable OPEB trust, the accumulated value of trust assets ("Fiduciary Net Position") is applied to offset the "Total OPEB Liability", resulting in the "Net OPEB Liability". If a plan is not being funded, then the Net OPEB Liability is equal to the Total OPEB Liability.

It is important to remember that an actuarial valuation is, by its nature, a projection of one possible future outcome based on many assumptions. To the extent that actual experience is not what we assumed, future results will differ. Some possible sources of future differences may include:

- A significant change in the number of covered or eligible plan members
- A significant increase or decrease in the future premium rates
- A change in the subsidy provided by the Agency toward retiree premiums
- Longer life expectancies of retirees
- Significant changes in expected retiree healthcare claims by age, relative to healthcare claims for active employees and their dependents
- Higher or lower returns on plan assets or contribution levels other than were assumed, and/or
- Changes in the discount rate used to value the OPEB liability



Important Background Information

(Continued)

Requirements of GASB 75

The Governmental Accounting Standards Board (GASB) issued GASB Statement No. 75, *Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*. This Statement establishes standards for the measurement, recognition, and disclosure of OPEB expense and related liabilities (assets), note disclosures, and, required supplementary information (RSI) in the financial reports of state and local governmental employers.

Important Dates

GASB 75 requires that the information used for financial reporting falls within prescribed timeframes. Actuarial valuations of the total OPEB liability are generally required at least every two years. If a valuation is not performed as of the Measurement Date, then liabilities are required to be based on roll forward procedures from a prior valuation performed no more than 30 months and 1 day prior to the most recent year-end. In addition, the net OPEB liability is required to be measured as of a date no earlier than the end of the prior fiscal year (the "Measurement Date").

Recognition of Plan Changes and Gains and Losses

Under GASB 75, gains and losses related to changes in Total OPEB Liability and Fiduciary Net Position are recognized in OPEB expense systematically over time.

- *Timing of recognition:* Changes in the Total OPEB Liability relating to changes in plan benefits are recognized immediately (fully expensed) in the year in which the change occurs. Gains and Losses are amortized, with the applicable period based on the type of gain or loss. The first amortized amounts are recognized in OPEB expense for the year the gain or loss occurs. The remaining amounts are categorized as deferred outflows and deferred inflows of resources related to OPEB and are to be recognized in future OPEB expense.
- *Deferred recognition periods:* These periods differ depending on the source of the gain or loss.

Difference between projected
and actual trust earnings:

5 year straight-line recognition

All other amounts:

Straight-line recognition over the expected average remaining service lifetime (EARSL) of all members that are provided with benefits, determined as of the beginning of the Measurement Period. In determining the EARSL, all active, retired and inactive (vested) members are counted, with the latter two groups having 0 remaining service years.



Important Background Information
(Continued)

Implicit Subsidy Plan Contributions

An implicit subsidy occurs when expected retiree claims exceed the premiums charged for retiree coverage. When this occurs, we expect part of the premiums paid for active employees to cover a portion of retiree claims. This transfer represents the current year's "implicit subsidy". Because GASB 75 treats payments to an irrevocable trust *or directly to the insurer* as employer contributions, each year's implicit subsidy is treated as a contribution toward the payment of retiree benefits.

The following hypothetical example illustrates this treatment:

Hypothetical Illustration of Implicit Subsidy Recognition	For Active Employees	For Retired Employees
<i>Prior to Implicit Subsidy Adjustment</i>		
Premiums Paid by Agency During Fiscal Year	\$ 411,000	\$ 48,000
Accounting Treatment	Compensation Cost for Active Employees	Contribution to Plan & Benefits Paid from Plan
<i>After Implicit Subsidy Adjustment</i>		
Premiums Paid by Agency During Fiscal Year	\$ 411,000	\$ 48,000
Implicit Subsidy Adjustment	(23,000)	23,000
Accounting Cost of Premiums Paid	\$ 388,000	\$ 71,000
Accounting Treatment Impact	Reduces Compensation Cost for Active Employees	Increases Contributions to Plan & Benefits Paid from Plan

The example above shows that total payments toward active and retired employee healthcare premiums is the same, but for accounting purposes part of the total is shifted from actives to retirees. This shifted amount is recognized as an OPEB contribution and reduces the current year's premium expense for active employees.



Important Background Information
(Continued)

Discount Rate

When the financing of OPEB liabilities is on a pay-as-you-go basis, GASB 75 requires that the discount rate used for valuing liabilities be based on the yield or index rate for 20-year, tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher (or equivalent quality on another rating scale). When a plan sponsor makes regular, sufficient contributions to a trust in order to prefund the OPEB liabilities, GASB 75 allows use of a rate up to the expected rate of return of the trust. Therefore, prefunding has an advantage of potentially being able to report overall lower liabilities due to future expected benefits being discounted at a higher rate.

Actuarial Funding Method and Assumptions

The “ultimate real cost” of an employee benefit plan is the value of all benefits and other expenses of the plan over its lifetime. These expenditures are dependent only on the terms of the plan and the administrative arrangements adopted, and as such are not affected by the actuarial funding method.

The actuarial funding method attempts to spread recognition of these expected costs on a level basis over the life of the plan, and as such sets the “incidence of cost”. GASB 75 specifically requires that the actuarial present value of projected benefit payments be attributed to periods of employee service using the Entry Age Actuarial Cost Method, with each period’s service cost determined as a level percentage of pay.

The results of this report may not be appropriate for other purposes, where other assumptions, methodology and/or actuarial standards of practice may be required or more suitable.



Addendum 2: MacLeod Watts Age Rating Methodology

Both accounting standards (e.g. GASB 75) and actuarial standards (e.g. ASOP 6) require that expected retiree claims, not just premiums paid, be reflected in most situations where an actuary is calculating retiree healthcare liabilities. Unfortunately, the actuary is often required to perform these calculations without any underlying claims information. In most situations, the information is not available, but even when available, the information may not be credible due to the size of the group being considered.

Actuaries have developed methodologies to approximate healthcare claims from the premiums being paid by the plan sponsor. Any methodology requires adopting certain assumptions and using general studies of healthcare costs as substitutes when there is a lack of credible claims information for the specific plan being reviewed.

Premiums paid by sponsors are often uniform for all employee and retiree ages and genders, with a drop in premiums for those participants who are Medicare-eligible. While the total premiums are expected to pay for the total claims for the insured group, on average, the premiums charged would not be sufficient to pay for the claims of older insureds and would be expected to exceed the expected claims of younger insureds. An age-rating methodology takes the typically uniform premiums paid by plan sponsors and spreads the total premium dollars to each age and gender intended to better approximate what the insurer might be expecting in actual claims costs at each age and gender.

The process of translating premiums into expected claims by age and gender generally follows the steps below.

1. *Obtain or Develop Relative Medical Claims Costs by Age, Gender, or other categories that are deemed significant.* For example, a claims cost curve might show that, if a 50 year old male has \$1 in claims, then on average a 50 year old female has claims of \$1.25, a 30 year male has claims of \$0.40, and an 8 year old female has claims of \$0.20. The claims cost curve provides such relative costs for each age, gender, or any other significant factor the curve might have been developed to reflect. Section 3 provides the source of information used to develop such a curve and shows sample relative claims costs developed for the plan under consideration.
2. *Obtain a census of participants, their chosen medical coverage, and the premium charged for their coverage.* An attempt is made to find the group of participants that the insurer considered in setting the premiums they charge for coverage. That group includes the participant and any covered spouses and children. When information about dependents is unavailable, assumptions must be made about spouse age and the number and age of children represented in the population. These assumptions are provided in Section 3.
3. *Spread the total premium paid by the group to each covered participant or dependent based on expected claims.* The medical claims cost curve is used to spread the total premium dollars paid by the group to each participant reflecting their age, gender, or other relevant category. After this step, the actuary has a schedule of expected claims costs for each age and gender for the current premium year. It is these claims costs that are projected into the future by medical cost inflation assumptions when valuing expected future retiree claims.

The methodology described above is dependent on the data and methodologies used in whatever study might be used to develop claims cost curves for any given plan sponsor. These methodologies and assumptions can be found in the referenced paper cited as a source in the valuation report.



Addendum 3: MacLeod Watts Mortality Projection Methodology

Actuarial standards of practice (e.g., ASOP 35, Selection of Demographic and Other Noneconomic Assumptions for Measuring Pension Obligations, and ASOP 6, Measuring Retiree Group Benefits Obligations) indicate that the actuary should reflect the effect of mortality improvement (i.e., longer life expectancies in the future), both before and after the measurement date. The development of credible mortality improvement rates requires the analysis of large quantities of data over long periods of time. Because it would be extremely difficult for an individual actuary or firm to acquire and process such extensive amounts of data, actuaries typically rely on large studies published periodically by organizations such as the Society of Actuaries or Social Security Administration.

As noted in a recent actuarial study on mortality improvement, key principles in developing a credible mortality improvement model would include the following:

- (1) Short-term mortality improvement rates should be based on recent experience.
- (2) Long-term mortality improvement rates should be based on expert opinion.
- (3) Short-term mortality improvement rates should blend smoothly into the assumed long-term rates over an appropriate transition period.

The **MacLeod Watts Scale 2020** was developed from a blending of data and methodologies found in two published sources: (1) the Society of Actuaries Mortality Improvement Scale MP-2019 Report, published in October 2019 and (2) the demographic assumptions used in the 2019 Annual Report of the Board of Trustees of the Federal Old-Age and Survivors Insurance and Federal Disability Insurance Trust Funds, published April 2019.

MacLeod Watts Scale 2020 is a two-dimensional mortality improvement scale reflecting both age and year of mortality improvement. The underlying base scale is Scale MP-2019 which has two segments – (1) historical improvement rates for the period 1951-2015 and (2) an estimate of future mortality improvement for years 2016-2018 using the Scale MP-2019 methodology but utilizing the assumptions obtained from Scale MP-2015. The MacLeod Watts scale then transitions from the 2018 improvement rate to the Social Security Administration (SSA) Intermediate Scale linearly over the 10-year period 2019-2028. After this transition period, the MacLeod Watts Scale uses the constant mortality improvement rate from the SSA Intermediate Scale from 2028-2042. The SSA's Intermediate Scale has a final step down in 2043 which is reflected in the MacLeod Watts scale for years 2043 and thereafter. Over the ages 95 to 115, the SSA improvement rate is graded to zero.

Scale MP-2019 can be found at the SOA website and the projection scales used in the 2019 Social Security Administrations Trustees Report at the Social Security Administration website.



Glossary

Actuarial Funding Method – A procedure which calculates the actuarial present value of plan benefits and expenses, and allocates these expenses to time periods, typically as a normal cost and an actuarial accrued liability

Actuarial Present Value of Projected Benefits (APVPB) – The amount presently required to fund all projected plan benefits in the future. This value is determined by discounting the future payments by an appropriate interest rate and the probability of nonpayment.

CalPERS – Many state governments maintain a public employee retirement system; CalPERS is the California program, covering all eligible state government employees as well as other employees of other governments within California who have elected to join the system

Defined Benefit (DB) – A pension or OPEB plan which defines the monthly income or other benefit which the plan member receives at or after separation from employment

Deferred Contributions – When an employer makes contributions after the measurement date and prior to the fiscal year end, recognition of these contributions is deferred to a subsequent accounting period by creating a deferred resource. We refer to these contributions as Deferred Contributions.

Defined Contribution (DC) – A pension or OPEB plan which establishes an individual account for each member and specifies how contributions to each active member's account are determined and the terms of distribution of the account after separation from employment

Discount Rate - Interest rate used to discount future potential benefit payments to the valuation date. Under GASB 75, if a plan is prefunded, then the discount rate is equal to the expected trust return. If a plan is not prefunded (pay-as-you-go), then the rate of return is based on a yield or index rate for 20-year, tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher.

Expected Average Remaining Service Lifetime (EARSL) – Average of the expected remaining service lives of all employees that are provided with benefits through the OPEB plan (active employees and inactive employees), beginning in the current period

Entry Age Actuarial Cost Method – An actuarial funding method where, for each individual, the actuarial present value of benefits is levelly spread over the individual's projected earnings or service from entry age to the last age at which benefits can be paid

Explicit Subsidy – The projected dollar value of future retiree healthcare costs expected to be paid directly by the Employer, e.g., the Employer's payment of all or a portion of the monthly retiree premium billed by the insurer for the retiree's coverage

Fiduciary Net Position – The value of trust assets used to offset the Total OPEB Liability to determine the Net OPEB Liability.

Government Accounting Standards Board (GASB) – A private, not-for-profit organization which develops generally accepted accounting principles (GAAP) for U.S. state and local governments; like FASB, it is part of the Financial Accounting Foundation (FAF), which funds each organization and selects the members of each board

Health Care Trend – The assumed rate(s) of increase in future dollar values of premiums or healthcare claims, attributable to increases in the cost of healthcare; contributing factors include medical inflation, frequency or extent of utilization of services and technological developments.



Glossary
(Continued)

Implicit Subsidy – The projected difference between future retiree claims and the premiums to be charged for retiree coverage; this difference results when the claims experience of active and retired employees are pooled together and a ‘blended’ group premium rate is charged for both actives and retirees; a portion of the active employee premiums subsidizes the retiree premiums.

Net OPEB Liability (NOL) – The liability to employees for benefits provided through a defined benefit OPEB. Only assets administered through a trust that meet certain criteria may be used to reduce the Total OPEB Liability.

Net Position – The Impact on Statement of Net Position is the Net OPEB Liability adjusted for deferred resource items

OPEB Expense – The OPEB expense reported in the Agency’s financial statement. OPEB expense is the annual cost of the plan recognized in the financial statements.

Other Post-Employment Benefits (OPEB) – Post-employment benefits other than pension benefits, most commonly healthcare benefits but also including life insurance if provided separately from a pension plan

Pay-As-You-Go (PAYGO) – Contributions to the plan are made at about the same time and in about the same amount as benefit payments and expenses coming due

PEMHCA – The Public Employees’ Medical and Hospital Care Act, established by the California legislature in 1961, provides community-rated medical benefits to participating public employers. Among its extensive regulations are the requirements that a contracting Agency contribute toward medical insurance premiums for retired annuitants and that a contracting Agency file a resolution, adopted by its governing body, with the CalPERS Board establishing any new contribution.

Plan Assets – The value of cash and investments considered as ‘belonging’ to the plan and permitted to be used to offset the AAL for valuation purposes. To be considered a plan asset, GASB 75 requires (a) contributions to the OPEB plan be irrevocable, (b) OPEB assets to dedicated to providing OPEB benefit to plan members in accordance with the benefit terms of the plan, and (c) plan assets be legally protected from creditors, the OPEB plan administrator and the plan members.

Public Agency Miscellaneous (PAM) – Non-safety public employees.

Select and Ultimate – Actuarial assumptions which contemplate rates which differ by year initially (the select period) and then stabilize at a constant long-term rate (the ultimate rate)

Service Cost – Total dollar value of benefits expected to be earned by plan members in the current year, as assigned by the actuarial funding method; also called normal cost

Total OPEB Liability (TOL) – Total dollars required to fund all plan benefits attributable to service rendered as of the valuation date for current plan members and vested prior plan members; a subset of “Actuarial Present Value”

Vesting – As defined by the plan, requirements which when met make a plan benefit nonforfeitable on separation of service before retirement eligibility



CERBT Valuation Packet
Summary of Actuarial Information (1 of 2)

Delta Mosquito & Vector Control District

Employer Name

06/30/2021

Valuation Date

Actuarial Firm Contact Information

Catherine L. MacLeod	MacLeod Watts, Inc.
Actuary/Contact Name	Actuarial Firm
cmacleod@macleodwatts.com	503-419-0462
Email	Phone Number

Person Completing this Form

Cody J. Simrell	MacLeod Watts, Inc.
Contact Name	Organization
csimrell@macleodwatts.com	503-419-0461
Email	Phone Number

If using a GASB 75 accounting valuation or AMM report, complete sections I, II, IV, and V. If using a funding valuation, complete sections I, III, IV, and V. If using a blended valuation, complete all sections, as applicable.

Section I: Actuarial Data

1. Valuation type (Accounting, Funding, or both)	Both
2. Valuation frequency (Annual or Biennial)	Biennial
3. Total Present Value of Future Benefits (PVFB)	\$ 633,321.00
i. Date PVFB was calculated as of	06/30/2021

Section II: GASB 75 Accounting Valuation or AMM (complete if using a GASB 75 accounting valuation or AMM)

4. Measurement Date	06/30/2021
5. Total OPEB Liability (TOL)	\$ 418,218.00
6. Fiduciary Net Position (FNP) at Measurement Date	\$ 729,882.00
7. Net OPEB Liability (TOL-FNP)	-\$ 311,664.00
8. This report provides financial reporting data for the following period:	
Fiscal Year-End for your GASB 75 reporting	06/30/2022
	MM/DD/YYYY

CERBT Valuation Packet

Summary of Actuarial Information (2 of 2)

Section III: Funding Valuation (complete if using a funding valuation)

9. Actuarial Accrued Liability (AAL)	\$ 418,218.00
10. Actuarial Value of Assets (AVA)	\$ 729,882.00
11. Unfunded Actuarial Accrued Liability (AAL-AVA)	-\$ 311,664.00

Section IV: Demographic Data (as of valuation date)

12. Number of active plan members	17
13. Number of inactive plan members currently receiving benefit payments	4
14. Number of inactive plan members entitled to but not yet receiving benefit payments	0

Section V: Benefit Payment Data

	Year ending date of projected benefit payments (MM/DD/YYYY)	Projected employer paid retiree premium payments (Do not include implicit rate subsidy)	Projected implicit rate subsidy payments
Year 1	06/30/2022	\$ 6,723.00	\$ 8,459.00
Year 2	06/30/2023	\$ 7,473.00	\$ 11,594.00
Year 3	06/30/2024	\$ 8,064.00	\$ 15,184.00
Year 4	06/30/2025	\$ 8,560.00	\$ 20,006.00

Comments

CERBT Valuation Packet

Certification of Actuarial Information (1 of 1)

As Actuary of the plan, I certify that the Other Post-Employment Benefits (OPEB) actuarial valuation upon which the enclosed summary of actuarial information is based meets the following criteria:

- The valuation has been prepared and signed by a Fellow or Associate of the Society of Actuaries, or an Enrolled Actuary of the Joint Board for the Enrollment of Actuaries, and a Member of the American Academy of Actuaries.¹
- The valuation has been prepared in accordance with the Actuarial Standards of Practice.
- If the valuation is an accounting valuation, then it has been prepared in accordance with the requirements set forth in Governmental Accounting Standards Board (GASB) Statements related to OPEB reporting.
- If employer assets to pre-fund other post-employment benefits are invested in an irrevocable OPEB trust other than the CERBT, the liabilities associated with those assets are not included in the summary of actuarial information.

I further certify that the discount rate is consistent with the anticipated level of funding pursuant to the relevant sections in GASB and ASOP, and the employer's certification.

Delta Mosquito & Vector Control District

Employer Name

06/30/2021

Valuation Date

Catherine L. MacLeod, FSA, FCA, EA, MAAA

Printed Name of Actuary and Designation

Catherine L. MacLeod

Signature

03/30/2022

Date

¹ In cases where the actuary performing the work does not meet these criteria, the valuation may be acceptable if the person has equivalent qualifications that are acceptable to the CalPERS Board. Please provide the qualifications of the actuary performing the valuation.

CERBT Valuation Packet

The California Employers' Retiree Benefit Trust (CERBT) Fund is an Internal Revenue Code Section 115, multiple-employer OPEB trust fund and has a fiduciary responsibility for financial reporting in accordance to the Governmental Accounting Standards Statement No. 74. As such, we request all participating employers to submit a renewal OPEB Valuation or AMM Report at least every two years, along with this valuation packet consisting of the Certification of Funding Policy, the Summary of Actuarial Information, and the Certification of Actuarial Information. The information provided in the OPEB valuation or AMM report is essential to the accuracy of the administration and reporting of the CERBT Fund.

Delta Mosquito & Vector Control District

Employer Name

06/30/2021

Valuation Date

Renewal Valuation Checklist

Please email a copy of your agency's final OPEB valuation or AMM report, along with this completed packet to CERBT4U@calpers.ca.gov. If you have any questions, contact us at CERBT4U@calpers.ca.gov.

- OPEB Valuation or AMM Report (Final version)
- Certification of Funding Policy (pages 2-3, completed and signed)
- Summary of Actuarial Information (pages 4-5, completed)
- Certification of Actuarial Information (page 6, completed and signed)

CERBT Valuation Packet Certification of Funding Policy (1 of 2)

Delta Mosquito & Vector Control District

Employer Name

06/30/2021

Valuation Date

CERBT Asset Allocation Strategy Selection

As the employer, I certify that my agency chooses the following CERBT asset allocation strategy:

CERBT Asset Allocation Strategy	Long-Term Expected Rate of Return	Expected Volatility (Standard Deviation)
<input type="checkbox"/> Strategy 1	7.59%	11.83%
<input checked="" type="checkbox"/> Strategy 2	7.01%	9.24%
<input type="checkbox"/> Strategy 3	6.22%	7.28%

Funding Method

As the employer, I certify that our OPEB funding method and intent for the period covered by our current OPEB valuation or AMM report is to contribute consistently an amount that is equal to:

- ADC funding method: 100 % of the Actuarially Determined Contribution (ADC) as determined in our OPEB valuation or AMM report.
- Other funding method: We will contribute to the trust using an approach not directly related to the ADC. Please describe in the comment section below.

If applicable, please provide ADC amounts and periods covered as determined in the report:

First Fiscal Year-End : 06/30/2022 \$ 0
MM/DD/YYYY ADC Amount

Second Fiscal Year-End: 06/30/2023 \$ 0
MM/DD/YYYY ADC Amount

Comments

ADCs were developed using a 6.0% discount rate

CERBT Valuation Packet Certification of Funding Policy (2 of 2)

Contribution and Reimbursement Method

As the employer, I certify that we intend to make CERBT contributions and request eligible reimbursements in the following manner:

- Contribute full ADC payments to the trust and seek reimbursements for pay-go costs.
- Contribute ADC payments to the CERBT net of pay-go costs and not seek reimbursement (ADC minus pay-go = Trust Contribution).
- Other contribution and/or reimbursement method, e.g. initial/ ad hoc lump sum contribution. Please describe in the comment section below.

Comments

The District may, in its discretion, request a full or partial reimbursement of the excess of retiree benefits paid over the ADC (\$0).

Employer Certification

As the employer, we understand that we must obtain an OPEB valuation or AMM report on at least a biennial basis.

We understand that we will be asked to provide accounting information to CalPERS as required to facilitate CalPERS compliance with Governmental Accounting Standards Board (GASB) Statements for Accounting and Financial Reporting for Post-Employment Benefit Plans Other than Pension Plans (OPEB Standards) reporting requirements and we agree to make any information requested available to CalPERS on a timely basis.

We understand that CalPERS will provide us the Schedule of Changes in Fiduciary Net Position by Employer, which can be used to prepare our GASB OPEB Standards reporting. CalPERS will report information pertaining to GASB OPEB Standards for Agent OPEB Plans.

Delta Mosquito & Vector Control District

Employer Name

06/30/2021

Valuation Date

Name

Title

Signature

Date

10. Bereavement

Delta Mosquito and Vector Control District

— MANUAL of POLICIES —

POLICY TITLE

Bereavement Leave

POLICY NUMBER

3005

3005.1 This policy shall apply to probationary and regular employees in all classifications.

3005.2 In the event of a death in the immediate family, an employee may be granted up to five days of paid bereavement leave. This is in addition to regular sick and vacation leave. Certification may be required by the General Manager.

3005.3 "Immediate family" is defined as being spouse, parents, children, brother, sister, grandparents, father-in-law, mother-in-law, sister-in-law, brother-in-law, or any other person who is a legal dependent of the employee.

Revised 3/10/2022.

11. Hemotek, UTV & WALs purchase

Capital Item: Hemotek Mosquito Feeder

Purpose:

Routine insecticide resistance testing is one of the five core capabilities of vector control districts. To do this, the maintenance of a susceptible mosquito colony as a reference point for the effectiveness of an insecticide is crucial. Additionally, wild type mosquitoes must be reared to the first generation to test for resistance. Maintaining a mosquito colony revolves around the effectiveness of blood feeding, which currently is inefficient and time consuming.

Currently, the district is feeding its mosquito colonies via a square aluminum plate that is wrapped with parafilm. This method was selected because it was a cheap alternative to the Hemotek mosquito feeding system. However it is very inefficient with blood consumption and mosquitoes do not feed well or lay sufficient eggs to keep the colony alive and test for resistance. The square metal plate is heated by a heating pad that shuts off periodically causing the temperature of the blood to fluctuate while the actual temperature of the blood is unknown. Constant supervision is needed when blood feeding because of this issue, which pulls one biologist away for an extended period of time during the summer's busy time of mosquito counting and processing.

For resistance testing, we will need several cages of mosquitoes and feeding each cage one at a time is not efficient. A Hemotek Feeder will allow us to feed 6 cages at once with little supervision. Hemotek Feeders are the standard method used by other Districts and organizations with insectaries.

The square metal plate also needs around 5-6 milliliters of blood to feed one cage, and because of the lack of proper temperature regulation much of this blood becomes coagulated and unusable for later feedings. The Hemotek Feeder uses 3mL reservoirs with individual thermometers for accurate temperature regulation of the blood. The reservoirs allow us to load up each feeder with 1-2 milliliters of blood and the same 6 milliliters used for the square plate will allow us to feed four cages instead of just the one. This is significant because 20mL of blood costs \$93.74. Using the Hemotek Feeder costs the District \$7.02 for one feeding while the square metal plate single feeding costs the District \$28.08. Based on these calculations the 6 feeder hemotek will pay for itself within 160 feedings, which amounts to 1 year of blood feeding.

Hemotek 6 Feeders starter pack with 3mL feeders

Catalog #SP4W1-3

Cost: \$3424.18



Starter pack – 6 feeders with 3ml reservoirs

[Home](#) / [Products](#) / [Starter Packs](#) / SP6W1-3



Product Code: (SP6W1-3)

£2510.00

Prices are exclusive of V.A.T.

Comprising:

	<p>Product Code: PS6A220 (220-230v) Product Code: PS6A240 (230-250v) Product Code: PS6B100 (100-110v) Product Code: PS6B120 (110-120v)</p> <p>The power unit and cord will be configured to suit the mains power supply of the country of destination unless otherwise specified.</p>
--	--

1x PS6 Power Unit**6x FU1 Feeders**

Product Code: FU1-3

Each feeder is supplied complete with a 3ml standard meal reservoir (R37P30) and an O-ring.

1x pack Hemotek Collage Feeding Membrane

Product Code: MEM5

The Hemotek Feeding Membrane is a thin collagen membrane and is suitable for many insect species.

Pack of 5 x (700mm x 580mm). Sufficient for about 500 feeds.

Product Code: PP5-300

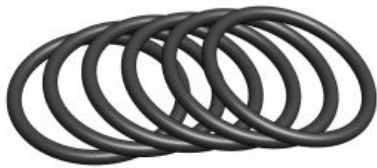
Plastic plugs used as closures for the meal reservoirs are also used to seal the body of the feeder after setting the temperature.

Pack of 300

300x Plastic Plugs



6x O-rings



Product Code: OR37-25

O-rings to fit 3ml Standard Reservoir (R37P30), used to secure and seal the membrane to the meal reservoir.

1x Temperature Setting Tool



Product Code: TST1

The temperature setting tool locates in the slot of a small screw inside the top of the FU1 Feeder.

The operating temperature of the feeder is adjusted by turning the screw.

Product Code: PET1

The plug extracting tool is used to remove the plug from the top of the FU1 Feeder, screw in and pull.

It can also be used to remove the plugs from the meal reservoir.

1x Plug Extracting Tool



1x Digital Thermometer and Probe



Product Code: DTK1

Type K single channel digital thermometer and dedicated Hemotek type K probe.
Supplied with manufacturer's certificate of calibration and protective carry case.

Address:

Hemotek Ltd
Unit 5 Union Court
Great Harwood Business Zone
Blackburn
BB6 7FD
United Kingdom

Tel: [+44 \(0\) 1254 889 307](tel:+44(0)1254889307)

Email: mail@hemotek.co.uk

Developed by Think Up Themes Ltd. Powered by WordPress.



Life is better
on a Honda



2021 Pioneer 1000

PIONEERING VERSATILITY

With so many side-by-sides to choose from these days, how do you pick the right one? Easy—because with a Honda Pioneer®, you can't go wrong. They're machines you can count on for work or play, each one offering smart technology, superior materials, and refined engineering. Our three-seat, top-of-the-line trio—the Pioneer 1000, Pioneer 1000 Deluxe, and Pioneer 1000 Limited Edition—give you a wide range of features and economy that are sure to be right for you. Need more seating? Make sure you check out our five-seat Pioneer 1000-5 models. And new for 2021, check out our Pioneer 1000 Special Edition, with some of your favorite options and accessories pre-installed for more added adventure and exploration.

PIONEER 1000 IS ONLY FOR DRIVERS 16 YEARS AND OLDER. MULTI-PURPOSE UTILITY VEHICLES (SIDE-BY-SIDES) CAN BE HAZARDOUS TO OPERATE. FOR YOUR SAFETY, DRIVE RESPONSIBLY, ALWAYS WEAR A HELMET, EYE PROTECTION AND APPROPRIATE CLOTHING, ALWAYS WEAR YOUR SEAT BELT, AND KEEP THE SIDE NETS AND DOORS CLOSED. AVOID EXCESSIVE SPEEDS AND BE CAREFUL ON DIFFICULT TERRAIN. READ THE OWNER'S MANUAL BEFORE OPERATING THE VEHICLE. NEVER DRIVE AFTER CONSUMING DRUGS OR ALCOHOL. ON PUBLIC ROADS, DRIVER AND PASSENGERS MUST BE TALL ENOUGH FOR SEAT BELT TO FIT PROPERLY AND TO BRACE THEMSELVES WITH BOTH FEET FIRMLY ON THE FLOOR. PASSENGERS MUST BE ABLE TO GRASP THE SEAT BELT WITH THE RIGHT BELT ANCHOR POINT. SEAT BELT IS TO BE USED PROPERLY.





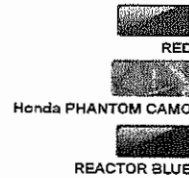
Life is better
on a Honda



Pioneer 1000



Pioneer 1000 Deluxe



Pioneer 1000
Limited Edition



Pioneer 1000
Special Edition

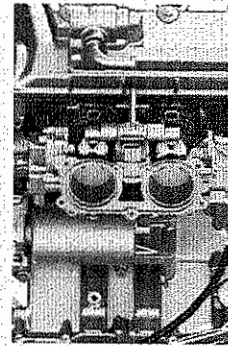


PIONEER 1000 FEATURES & BENEFITS



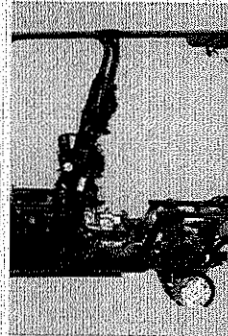
ADVANCED TRANSMISSION LOGIC

The brain of the DCT, Advanced Transmission Logic, senses how you drive and adapts. Relaxed drivers get earlier shifts for a quieter ride at lower engine speeds. Sportier drivers will hold each gear longer for higher RPM shifts. And when going downhill, you get true engine braking. Now that's a smart transmission.



POWERFUL 999cc TWIN-CYLINDER ENGINE

When you know the power you need is always at the ready, every drive is an enjoyable experience. And that's precisely what you get out of the class-leading 999cc liquid-cooled inline twin. Using the same Unicam® cylinder head design found in our motocross bikes, it's more compact in size, and it still delivers the kind of horsepower and torque you'd expect from a flagship model.



CHASSIS AND SUSPENSION

Prepare to go further than ever before. Our refined chassis enables you to tackle terrain others would shy away from, with larger tires, long-travel independent front and rear suspension and huge ground clearance. The rubber mounted engine and exhaust system insulates against excessive vibration.



CUSTOMIZED THE WAY YOU LIKE IT

This year we're offering a Special Edition version. It's fully outfitted from the factory with a warn 4,500 lb. winch, front fender flares, accessory switch plate, rear view mirror, 14" LED light bar, special True Timber Viper Urban Camo graphics, and more. It's the ultimate combo meal, and a solid deal, too.

*600 pound bed capacity for CA models



Life is better
on a Honda

2021

PIONEER 1000



Pioneer 1000



Pioneer 1000 Deluxe

ENGINE TYPE	999cc liquid-cooled twin-cylinder Unicam® four-stroke	999cc liquid-cooled twin-cylinder Unicam four-stroke
BORE AND STROKE	92.0mm x 75.15mm	92.0mm x 75.15mm
COMPRESSION RATIO	10:1	10:1
INDUCTION	Fuel Injection (PGM-FI), 44mm throttle body	Fuel Injection (PGM-FI), 44mm throttle body
IGNITION	Full-transistorized with electronic advance	Full-transistorized with electronic advance
CLUTCH	Automatic	Automatic
TRANSMISSION	Fully Automatic Dual Clutch Transmission (DCT) with six forward gears and Reverse. Four drive modes include 2WD, 4WD, Turf and Differential lock. Paddle Shifters with three shift modes (standard, sport, and manual).	Fully Automatic Dual Clutch Transmission (DCT) with six forward gears and Reverse. Four drive modes include 2WD, 4WD, Turf and Differential lock. Paddle Shifters with three shift modes (standard, sport, and manual).
DRIVELINE	Direct front and rear driveshafts	Direct front and rear driveshafts
FRONT SUSPENSION	Independent double-wishbone; 10.6 inches of travel	Independent double-wishbone; 10.6 inches of travel
REAR SUSPENSION	Independent double-wishbone; 10 inches of travel	Independent double-wishbone; 10 inches of travel
FRONT BRAKE	Dual 210mm hydraulic discs	Dual 210mm hydraulic discs
REAR BRAKE	Dual 210mm hydraulic disc	Dual 210mm hydraulic disc
FRONT TIRES	27 x 9-12	27 x 9-14
REAR TIRES	27 x 11-12	27 x 11-14
LENGTH	116.8 inches	116.8 inches
WIDTH	63.0 inches	63.0 inches
HEIGHT	76.0 inches	76.0 inches
WHEELBASE	80.2 inches	80.2 inches
BED CAPACITY	600 for pounds for CA model	600 for pounds for CA model
BED CAPACITY	1000 pounds for 49 states	1000 pounds for 49 states
TOWING CAPACITY	2000 pounds	2000 pounds
GROUND CLEARANCE	12.7 inches	12.7 inches
CURB WEIGHT	1538 pounds - Includes all standard equipment, required fluids and full tank of fuel.	1567 pounds - Includes all standard equipment, required fluids and full tank of fuel.
FUEL CAPACITY	7.9 gallons, including 1.7-gallon reserve	7.9 gallons, including 1.7-gallon reserve
TURNING RADIUS	13.8 feet	13.8 feet



Life is better
on a Honda

2021

PIONEER 1000



Pioneer 1000 Limited Edition



Pioneer 1000 Special Edition

ENGINE TYPE	999cc liquid-cooled twin-cylinder Unicam four-stroke	999cc liquid-cooled twin-cylinder Unicam four-stroke
BORE AND STROKE	92.0mm x 75.15mm	92.0mm x 75.15mm
COMPRESSION RATIO	10:1	10:1
INDUCTION	Fuel Injection (PGM-FI), 44mm throttle body	Fuel Injection (PGM-FI), 44mm throttle body
IGNITION	Full-transistorized with electronic advance	Full-transistorized with electronic advance
CLUTCH	Automatic	Automatic
TRANSMISSION	Fully Automatic Dual Clutch Transmission (DCT) with six forward gears and Reverse. Four drive modes include 2WD, 4WD, Turf and Differential lock. Paddle Shifters with three shift modes (standard, sport, and manual).	Fully Automatic Dual Clutch Transmission (DCT) with six forward gears and Reverse. Four drive modes include 2WD, 4WD, Turf and Differential lock. Paddle Shifters with three shift modes (standard, sport, and manual).
DRIVELINE	Direct front and rear driveshafts	Direct front and rear driveshafts
FRONT SUSPENSION	Independent double-wishbone; 10.6 inches of travel	Independent double-wishbone; 10.6 inches of travel
REAR SUSPENSION	Independent double-wishbone; 10 inches of travel	Independent double-wishbone; 10 inches of travel
FRONT BRAKE	Dual 210mm hydraulic discs	Dual 210mm hydraulic discs
REAR BRAKE	Dual 210mm hydraulic disc	Dual 210mm hydraulic disc
FRONT TIRES	27 x 9-14	27 x 9-14
REAR TIRES	27 x 11-14	27 x 11-14
LENGTH	116.8 inches	119.5 inches
WIDTH	63.0 inches	68.4 inches
HEIGHT	76.4 inches	78.8 inches
WHEELBASE	80.2 inches	80.2 inches
BED CAPACITY	600 for pounds for CA model	600 for pounds for CA model
BED CAPACITY	1000 pounds for 49 states	1000 pounds for 49 states
TOWING CAPACITY	2000 pounds	2000 pounds
GROUND CLEARANCE	12.7 inches	12.4 inches
CURB WEIGHT	1642 pounds - Includes all standard equipment, required fluids and full tank of fuel.	1736 pounds - Includes all standard equipment, required fluids and full tank of fuel.
FUEL CAPACITY	7.9 gallons, including 1.7-gallon reserve	7.9 gallons, including 1.7-gallon reserve
TURNING RADIUS	13.8 feet	13.8 feet

S A L E S D E A L

SANDERS MOTORSPORTS
 2036 E. Mineral King
 Visalia, CA 93292 USA
 (559)733-8585

CELL #: (559)909-8688
 PHONE #:
 ALT. #:
 P.O.#:
 TERMS: **Cash**
 SALES DEAL #: **1182066**
 STATUS:

DATE: **3/8/2022**
 INVOICE #:
 CUSTOMER #: **10975**
 COUNTER REP: **C BRUNSON**
 SALES REP: **C BRUNSON**
 LOCATION: **1**

BILL TO 10975

Paul Harlien

SHIP TO

Paul Harlien

YEAR	MFR	MODEL NUMBER	DESCRIPTION	MSRP	PRICE
2021	HON	SXS10M5DLM-RED <i>CXS10M3DLM RED</i>	1HFVE04J0M4500397	\$18,299.00 <i>15,899.00</i>	\$15,899.00

Acc Total: \$0.00
 Labor Total: \$0.00

Unit(s), Acc, Labor: \$15,899.00

DESCRIPTION	Other	PRICE
Tire Tax x 4		\$7.00
ELECTRONIC FILLING CHARGE		\$30.00

F & I Products: \$0.00
 Freight, Prep: \$2,295.00
 License: \$0.00
 Lien: \$0.00
 Doc Fee: \$85.00
 Other: \$37.00
 VehicleTax: \$0.00
 SalesTax: \$1,553.72

Total Price: \$19,869.72

Uncollected Down Payment: \$0.00
 Payments Received (Deposit): \$0.00
 Rebate Total: \$0.00

Amount Due: \$19,869.72

UTU



Innovation
through
formulation



Date: March 29, 2022
Quotation #: 033022-1
Valid through: June 30, 2022
Prepared by: Dennis Candito

ADAPCO is pleased to provide the following quotation to:
DELTA VCD
VISALIA CA

Comments or special instructions:
Prices quoted do not include sales tax. Applicable sales tax will be added to invoice.

Item Description	Pkg Size	Unit Price/ Unit	Pkg Price/ Pkg
A1 "THE BOSS" MIST SPRAYER with 25 gallon tank.	EA	\$ 3,564.51 EA	\$ 3,564.51 EA

Freight prepaid. Payment Terms Net 30 days.
Please visit our website at www.myadapco.com to view Labels, request SDS, and get other product information.

Should you have any questions or immediate needs, please contact me at 877-875-6353.
Thank you for the opportunity to serve you.
Best regards,

Dennis Candito [electronic signature]

Dennis Candito
Key Account Representative

ADAPCO, an Azelis Company
Email: DCandito@myadapco.com
Direct: 877-875-6353

ADAPCO P 800 367 0659
100 Colonial Center Parkway, Suite 170 F 866 330 9888
Lake Mary, FL 32746
www.myadapco.com www.azelis.com/us



Innovation through formulation



Date: March 8, 2022
Quotation #: 030822-1
Valid through: June 30, 2022
Prepared by: Dennis Candito

ADAPCO is pleased to provide the following quotation to:
DELTA MVCD
VISALIA CA

Comments or special instructions:
Prices quoted do not include sales tax. Applicable sales tax will be added to invoice.

Table with 4 columns: Item Description, Pkg Size, Unit Price/ Unit, Subtotal. Row 1: A-1 SUPER DUTY WITH ROTARY ATOMIZER AND 100 GAL TANK, EA, \$ 17,324.66 EA, \$ 17,324.66. Row 2: HOSE REEL W/ 50' HOSE & SPRAYGUN ASSY., EA, \$434.00 EA, \$ 434.00.

Freight prepaid on \$10,000. Payment Terms Net 30 days.
Please visit our website at www.myadapco.com to view Labels, request SDS, and get other product information.

Should you have any questions or immediate needs, please contact me at 877-875-6353.
Thank you for the opportunity to serve you.
Best regards,

Dennis Candito [electronic signature]

Dennis Candito
Key Account Representative

ADAPCO, an Azelis Company
Email: DCandito@myadapco.com
Direct: 877-875-6353

ADAPCO P 800 367 0659
100 Colonial Center Parkway, Suite 170 F 866 330 9888
Lake Mary, FL 32746
www.myadapco.com www.azelis.com/us

12. Baseball Agreement



Visalia Rawhide Professional Baseball Club

www.RawhideBaseball.com
300 N. Giddings St / Visalia, CA 93291
559-732-4433



WELCOME TO THE FAMILY

Low - 'A' West Minor League Baseball Affiliate of the Arizona Diamondbacks



MARKETING AGREEMENT

BY AND BETWEEN THE VISALIA RAWHIDE AND DELTA MOSQUITO & VECTOR CONTROL DISTRICT
EFFECTIVE FOR THE 2022 SEASON

Visalia Rawhide to provide the following to Delta Mosquito & Vector Control District:

- **Information Table / Booth**
 - Delta Mosquito & Vector Control District will have an information table/booth at six (6) games of their choosing during the 2022 Season on the following dates: 4/8, 5/13, 5/20, 7/22, 8/5, & 8/19.
 - **Additional Sponsorship Hospitality:** Delta Mosquito & Vector Control District will have an information table/booth at two (2) additional games during the 2022 Season on the following dates: 8/26 & 9/9
A 6' table & chairs will be provided, if needed. The Visalia Rawhide will highlight the booth during the game via a pre-game or in-between inning announcement. Booths can be used to distribute information, program details. Or other reason, excluding sales.
- **Information Table/Booth (Wednesday Games – 10)**
 - Delta Mosquito & Vector Control District will have an information table/booth at all Wednesday home games during the 2022 Season (10) on the following dates: 4/20, 5/11, 5/18, 6/1, 6/15, 7/6, 8/3, 8/17, 8/24 & 9/7
 - Delta Mosquito & Vector Control District will purchase ten (10) Rawhide Gift Cards in the amount of twenty (\$20.00) dollars, which will be used as Bingo Prizes for Rawhide Fans during Wednesday Games.
 - Delta Mosquito & Vector Control District logo will receive a pre-game or in-game PA Announcement and will be featured on the Videoboard during Wednesday Games when highlighting the booth and/or the bingo prize.
- **Tickets**
 - Delta Mosquito & Vector Control District will be provided twenty-five (25) tickets for the game on Wednesday, July 6th. These tickets cannot be exchanged and are not valid on any other date.
- **Rawhide Game Broadcast Ad**
 - Delta Mosquito & Vector Control District will have a pre-recorded :30 ad which will be played during the Rawhide Game Broadcast. This ad will be played a minimum of one (1) time per broadcast. (Home & select Road Games)

Delta Mosquito & Vector Control District to provide the following to Visalia Rawhide:

- **Logo for use on the Videoboard in promotion of Booth dates & Wednesday Bingo Prizes**
- **:30 Ad for use on Rawhide Game Broadcast.**

Total Sponsorship for 2022 Season: \$800

(Payment to be made in full by May 1, 2022)

Any late payments will result in a 5% penalty. The Rawhide reserve the right to discontinue any or all terms of this agreement if the account falls more than 30 days past due. If you still have not paid the total amount payable for any bill after we send you a final warning (by the agreed upon date), we can refer your debt to a debt collection agency, and if we do so you must pay any costs that we incur in connection with the recovery of the unpaid bill (including the agency's fees and any legal fees). We will not refer your debt to a debt collection agency if we have agreed to an installment and you make your payments.

Visalia Rawhide and Delta Mosquito & Vector Control District enter into a sponsorship agreement effective date listed & signed below. We the undersigned, hereby recognize this is a legal and binding document. All terms to the agreement are hereby included. Any agreements or representations respecting the terms of this agreement, or any other matter discussed prior to this agreement not expressly set forth in this instrument, are null and void.

Mustapha Debboun, PhD Date
Delta Mosquito & Vector Control District
mdebboun@deltamvcd.org
559.732.8606
1737 W. Houston Ave, Visalia, CA 93291

Joe Ross Date
Visalia Rawhide Baseball Club
Joe@RawhideBaseball.com
559.732.4433 ext. 102
300 N. Giddings St, Visalia, CA 93291

13. MGK/Sumitomo Agreement

SERVICE, MATERIAL TRANSFER AND CONFIDENTIALITY AGREEMENT

This Service, Material Transfer and Confidentiality Agreement (this “Agreement”) is made this 18th day of March, 2022 (“Effective Date”) by and between **McLaughlin Gormley King Company**, a Minnesota corporation with its office at 7325 Aspen Ln N, Minneapolis, Minnesota, 55428, together with its affiliates (hereinafter “MGK”) and **Delta Mosquito and Vector Control District**, a California corporation with its office at 1737 W Houston Ave, Visalia, California 93291 (hereinafter “DMVCD”). MGK and DMVCD are each a “Party” to this Agreement and collectively are the “Parties.”

WHEREAS, MGK wishes to engage DMVCD in confidential discussions and various tests, trials, and/or studies which will involve the transfer of material as well as confidential and proprietary information.

NOW, THEREFORE, in consideration of the promises and covenants contained herein to protect the material, information and results, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. Services and Materials.

1.1 From time to time MGK will request DMVCD to perform certain evaluation services, product efficacy testing, and other related formulation studies, the scope of which shall be mutually agreed upon by each Parties' representative through a written proposal or protocol ("Purpose"). Such requests may include the procedure(s) to be performed, required materials, estimated cost, timeline, reporting method and other pertinent details required for performance (“Service Request”).

1.2 MGK may, directly or indirectly, provide materials needed for the Service Request which may include formulas, active ingredients, and chemical compounds (“Material”).

1.3 DMVCD shall disclose to MGK information relating to the results of the testing contemplated herein, including but not limited to all DMVCD data, work, product, output, concepts, know-how, technology, testing protocol, products, documentation, specifications, compilations, designs, or reports, in any way relating to or derived from the testing (“Results”).

1.4 MGK shall be responsible for all costs of acquiring and then transferring the Material to DMVCD. DMVCD shall be responsible for all costs of accomplishing the Purpose using the Material.

2. Confidential Information. “Confidential Information” shall mean information, whether explicitly marked as Confidential or not, relating to the products, services, development efforts or business affairs of a Party or its affiliate that is of a proprietary or confidential nature, whether communicated orally, in writing, by inspection, or otherwise, including, without limitation, the Materials, existing studies, concepts, techniques, processes, methods, research, hardware, inventions, ideas, drawings, designs, formulas, algorithms, new products, product and product samples, product formulas, test results, cost data, computer programs, technical know-how, trade

secrets, business plans, financial information, marketing techniques, business operation and systems, pricing policies, prices and costs, information concerning employees, customers, vendors, suppliers or distributors or any other non-public information disclosed by a Party or obtained by the recipient Party through observation or examination of MGK's facilities, procedures or products.

3. No Unauthorized Disclosure or Use.

3.1 DMVCD shall use the Confidential Information exclusively for accomplishing the Purpose described above. DMVCD shall not, without the prior written consent, disclose or publish any Confidential Information of MGK or MGK's affiliates to any third party. Notwithstanding the foregoing, DMVCD may disclose or publish the Results, inclusive of Material identification, under the terms of Section 6.3. Nothing in this Agreement is intended to alter DMVCD's obligations to disclose, copy or disseminate the Results, the Confidential Information or other documents related to this Agreement if required under the California Public Records Act (California Government Code Section 6250, et seq.)

3.2 The Parties will keep in confidence all Confidential Information received using the same degree of care it uses to protect its own confidential or proprietary information, which shall not be less than a reasonable standard of care.

3.3 The foregoing restrictions shall not apply to the disclosure of any Confidential Information that:

- (a) DMVCD can show was known to it prior to receipt from MGK, provided the source of such information was not known by DMVCD to be bound by a confidentiality agreement with, or other legal or fiduciary obligation of confidentiality, to MGK.
- (b) is now, or hereinafter, comes into the public domain as, for example, by publications, including United States and foreign patents, issued or open to the public inspection, examination of commercially available products, or is otherwise known or available to the public;
- (c) is subsequently disclosed to DMVCD by a third party not owing obligations of confidence to MGK; or
- (d) is developed independently by DMVCD and solely through employees or agents that have not been exposed directly or indirectly to the Confidential Information of MGK.

Prior to disclosure of information under these foregoing restrictions, DMVCD must give reasonable notice no shorter than fourteen (14) days to MGK in order to give MGK an adequate opportunity to contest the disclosure.

3.4 DMVCD shall not attempt to modify or reverse-engineer or otherwise seek to determine the chemical composition of any Material without MGK's prior written consent.

4. Limited Internal Disclosure. DMVCD agrees that any disclosure of Confidential Information shall be made only to employees and agents who need to know such information in order to help accomplish the Purpose and who are similarly bound (consistent with the restrictions in this Agreement) to protect the Confidential Information. DMVCD further agrees to take all necessary security precautions to protect the Confidential Information of MGK from unauthorized disclosure, including, without limitation, restricting access thereto and protecting documents containing Confidential Information from theft and from the unauthorized duplication or discovery of their contents.

5. Return of Confidential Information. Immediately upon request of MGK or within thirty (30) days following the date of termination or expiration of this Agreement, DMVCD shall cease using the Confidential Information and destroy with written certification or, upon request, return to MGK all of the Confidential Information and all Materials, including embodiments, written materials, samples, test reports, photographs, summaries and all other documentation made available or supplied by MGK to the DMVCD, together with all reproductions thereof and equipment related thereto.

6. Intellectual Property & Ownership.

6.1 MGK retains all right, title and interest in and to the Material and the Confidential Information. Nothing contained within this Agreement shall restrict MGK's rights to use or distribute the Material and Confidential Information to other commercial or non-commercial entities. Subject to the terms and conditions of this Agreement, MGK grants to DMVCD a non-exclusive, non-commercial license to use the Material and the Confidential Information for the Purpose during the Term of this Agreement.

6.2 Neither this Agreement nor disclosure of Confidential Information to DMVCD shall be deemed to vest in DMVCD rights in any patents, trade secrets, or other property of MGK. DMVCD agrees not to analyze for chemical composition or reverse engineer any applicable Confidential Information and will not permit any other use of the same other than for the Purpose. All know-how and trade secrets conceived or originated by DMVCD, or its affiliates, which arises out of the performance of the Purpose shall belong to MGK, and all rights therein are by this Agreement assigned to MGK. DMVCD may not apply for a patent on any invention conceived by DMVCD concerning this Agreement without MGK's prior written consent.

6.3 If DMVCD seeks to publish the Results generated in connection with fulfilling the Purpose, DMVCD shall provide MGK with copies of any intended publication or other public disclosure that incorporates any information containing the Material or MGK's Confidential Information, at least fifteen (15) business days before submission for publication or public disclosure. No later than ten (10) business days after MGK receives the proposed publication or disclosure, MGK shall return the proposed publication or public disclosure to DMVCD with notice of any proposed changes or other measures aimed at ensuring the confidentiality of MGK's Confidential Information is preserved. Upon DMVCD's receipt of such notice, DMVCD shall, to the extent requested and consistent with applicable law, take actions reasonably requested by MGK.

7. Entire Agreement. This Agreement constitutes the entire complete and final agreement of the Parties with respect to the subject matter hereof regarding the subject matter hereof and merges all prior discussions between the Parties regarding the subject matter hereof. Each Party hereby acknowledges and represents that such Party has not relied on any representation, assertion, guarantee, warranty, collateral contract or other assurance of another Party or any third party whatsoever, except as set forth in this Agreement. No modification or waiver of this Agreement shall bind the Parties, unless it is in writing and is signed and accepted by the Parties hereto.

8. Successors and Assigns. No Party shall assign or transfer any rights or obligations under this Agreement without the prior written consent of the other Party. Subject to the limitations set forth in this Agreement, this Agreement shall inure to the benefit of and be binding upon the successors and assigns of the Parties as to whom consent has been given.

9. Governing Law. This Agreement shall be governed by the laws of the State of Minnesota, without regard to conflicts of laws principles, and each Party hereby submits to the jurisdiction of the state and federal courts located in Hennepin County, Minnesota to resolve any dispute arising from or related to this Agreement.

10. Nonwaiver. None of the provisions of this Agreement shall be deemed to waive any act, omission, or acquiescence on the part of MGK unless by an instrument in writing signed by an authorized officer of MGK. Failure or delay by either Party in exercising any right under this Agreement shall not constitute a waiver of any rights.

11. Injunctive Relief. DMVCD, including but not limited to DMVCD's employees, agents, and affiliates, acknowledge that irreparable harm and damage will result from disclosure of the Confidential Information to unauthorized third parties or from utilization of the Confidential Information for purposes other than the Purpose described above and monetary damages are not a sufficient remedy for such harm resulting from an actual or threatened violation of disclosure or use of Confidential Information. Accordingly, MGK shall be entitled, without waiving any other rights or remedies available at law or in equity, to seek such injunctive or equitable relief as may be deemed proper by a court of competent jurisdiction.

12. Attorneys' Fees and Other Expenses. If either Party brings any action, proceeding or suit to enforce any of its rights under this Agreement and is entitled to judgment, then in that action, proceeding or suit, such prevailing Party may recover from the breaching Party reasonable expenses, including, but not limited to attorneys' fees and court costs, and such amounts will be included in the judgment.

13. Severability. If any court of competent jurisdiction finds any provision of this Agreement invalid or unenforceable, the remainder of this Agreement shall be interpreted so as best to effect the intent of the Parties or such obligations shall be deemed and construed to be reduced to the maximum duration, scope and subject matter allowable by law.

14. Duration. This Agreement will terminate ten (10) years from the Effective Date, unless terminated earlier by either Party providing 60 days notice to the other Party. For Confidential Information constituting a Trade Secret, the confidentiality obligations of this Agreement shall

continue in perpetuity for so long as it constitutes a trade secret under the Uniform Trade Secrets Act.

15. Counterparts. This Agreement may be executed in any number of counterparts and by facsimile or other electronic means, each of which shall be deemed an original, but all of which shall constitute one and the same instrument.

[Signatures appear on the following page.]

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their respective duly authorized officers. This Agreement shall be effective as of the Effective Date.

Dated: _____

**DELTA MOSQUITO AND
VECTOR CONTROL DISTRICT**

By: _____

Print Name: Mustapha Debboun

Its: Director

Dated: _____

**McLAUGHLIN GORMLEY KING
COMPANY**

By: _____

Print Name: Randy A. Nelson

Its: Chief Financial Officer

14. MosquitoMate Services & Software License Agreement

**DELTA MOSQUITO & VECTOR CONTROL DISTRICT
Services & Software License Agreement**

This Services & Software License Agreement is entered into on the date last written below, by and between MosquitoMate, Inc., with an address of 2520 Regency Road, Lexington, Kentucky 40503 (“MMI”) and the Delta Mosquito & Vector Control District with an address of 1737 W. Houston Avenue, Visalia, CA 93291 (“District”), together “the Parties.”

RECITALS

- A. MMI and District represent and warrant that they have the authority to enter into this Agreement.
- B. District desires to mass rear and release mosquitoes and monitor mosquito populations, collect the mosquitoes using the TRACKER and APPLICATOR software, together “MMI Software”.
- C. MMI desires to provide MMI Software, Services and Materials to the District.
- D. MMI desires to grant District with a limited license to use the MMI Software in conducting District’s baseline studies.

1. DEFINITIONS

- (a) “Authorized User” means any employee, independent contractor, or other individual providing the Services for or on behalf of District.
- (b) “Licensed Software” means “MMI Software”, together with any updates provided to District.
- (c) “Materials” means any and all manuals, instructions, training notes, and other documents MMI provides or makes available to District in any form or medium which describes the functionality, components, features, or requirements of Licensed Software, including any aspect of the installation, configuration, integration, operation, use, support, or maintenance thereof. “Materials” also includes any eggs, reagents and equipment provided by MMI to the District in support of the Services.

2. TERM

The Term of this Agreement shall be for twelve (12) weeks from _____, 2022 to _____, 2022, unless extended by mutual agreement.

3. GOODS / SERVICES

This Agreement is for the following (collectively, “the Services”):

- A. MMI will provide the Services to the District at no cost as part of a ‘free trial pilot test.’ At the end of the Term, the District and MMI will negotiate in good faith about entering into a paid service agreement for MMI Software, eggs, equipment and/or supplies. Neither the District or MMI are obligated to enter into an additional agreement, either paid or otherwise.
- B. During the Term, District will conduct baseline studies using MMI Software, Services and Materials, including eggs, reagents, equipment at its facilities. District shall be solely responsible for any issues that may arise in connection with its studies at the various sites, including property damage and landowner disputes.
- C. District will use its own facilities, including computers, iOS devices, Mosquito Traps, batteries, CO2 units and shipping containers.
- D. MMI will provide District with limited access to Licensed Software and tags for purposes of organizing District’s findings, and it will provide at least two training sessions for District on how to use the software. District is limited to using Licensed Software as provided in Section 4 of this Agreement.
- E. District will meet with and provide feedback to MMI at least twice during the Term. All shipping costs, including losses related to shipping, are the sole responsibility of District.
- F. MMI will oversee and manage data collection relevant to its development of mosquito mitigation plans in District. Data will be entered into the Licensed Software and thereby be available to registered software users through the Licensed Software’s reporting and export features.
- G. To use the Service, the District must establish one or more user accounts. The District is solely responsible for the security and confidentiality of user account passwords. The District is also responsible for all activities or actions exercised by District user accounts, and the District should immediately notify MMI if the District learns of any unauthorized use of a District account. MMI reserves all rights to delete user accounts (and all associated content) at MMI’s sole discretion.
- H. Upon request, MMI will provide District with a post-project debriefing of the data via a form of electronic media agreeable to both Parties. The Parties acknowledge that the debriefing will likely occur after the Term of this Agreement.

4. LIMITED LICENSE TO USE SOFTWARE

A. Grant and Scope of License

The Parties acknowledge that MMI is the entire legal and beneficial owner of Licensed Software. Without limiting the foregoing, MMI grants District a non-sublicensable and non-transferable limited license to use Licensed Software solely for the purpose of performing the

Services during the Term, subject to the requirements in this Section 4.

District may install, use, and run copies of Licensed Software on as few computers, including portable iOS devices (i.e., Apple iPhones, iPads) as necessary to perform the Services. District may grant Authorized Users with remote access to use Licensed Software from a portable electronic device through an application MMI will make available to District pursuant to this Agreement.

B. Use Restrictions

Except as otherwise permitted in this Agreement, District shall not, and shall not permit Authorized Users to:

- (a) copy Licensed Software, in whole or in part;
- (b) rent, lease, lend, sell, sublicense, assign, distribute, publish, transfer or otherwise make available the Licensed Software to any person or entity;
- (c) bypass or breach any security device or safeguard used for or contained in the Licensed Software;
- (d) modify, correct, adapt, translate, enhance or otherwise prepare derivative works or improvements of Licensed Software;
- (e) use the Licensed Software in any manner or for any purpose that infringes, misappropriates, or otherwise violates any intellectual property right or that violates any applicable law;
- (f) use the Licensed Software for purposes of: (i) benchmarking or competitive analysis of the Licensed Software; (ii) developing, using, or providing a competing software product or service; or (iii) any other purpose that is to MMI's detriment or commercial disadvantage; or
- (g) use Licensed Software other than as permitted in this Agreement or for any purpose or application not expressly permitted by this Agreement.
- (h) The Service, including the MMI Software and Materials used to implement the Service, may be protected by copyright, trademark, applicable intellectual property and other laws. These terms do not grant you the right to use any trademarks, branding, or logos used in our Service. No portion of the Service may be reproduced in any form or by any means, except as expressly permitted in the Service.

C. Effect of Termination on License

Once this Agreement terminates for any reason, including expiration of the Term, District shall immediately cease all access to and use of Licensed Software and Materials. In addition, District shall permanently delete and/or destroy and cause all Authorized Users to permanently

delete and/or destroy all physical and electronic copies of the Materials in District's possession or control. District shall also delete and cause all Authorized Users to delete from all electronic devices any and all applications that allow access to Licensed Software. In addition, the District shall return any MMI Materials that were provided by MMI to conduct the Services. The District will retain the mosquito-related data that results from the Services.

5. TERMINATION

A. Without Cause

This Agreement may be terminated for any reason or no reason by either Party upon thirty (30) days' written notice to the other Party at the addresses set forth herein.

B. Termination for Breach

Either Party may terminate this Agreement upon breach by the other Party of any material provision of this Agreement, provided such breach continues for fifteen (15) days after receipt by the breaching Party of written notice of such breach from the non-breaching Party.

C. Effect of Termination

Termination by either Party without cause or for breach relieves the Parties of all obligations under this Agreement, except Section 4B shall survive termination until District deletes and/or destroys, and causes Authorized Users to delete and/or destroy, all applications that allow access to Licensed Software. All Materials will be returned to MMI. The District will retain the mosquito-related data that results from the Services.

6. MISCELLANEOUS

A. Independent Status

MMI is, for all purposes arising under this Agreement, independent. MMI and its officers, agents, or employees shall not, under any circumstances, hold themselves out to anyone as being officers, agents, or employees of District. No officer, agent, or employee of MMI or District shall be deemed an officer, agent, or employee of the other Party. Neither MMI or District, nor any officer, agent, or employee thereof, shall be entitled to any benefits to which employees of the other Party are entitled, including, but not limited to, overtime, retirement, benefits, workers compensation benefits, injury leave, or other leave benefits.

B. Assignment

Neither MMI nor District may assign or transfer any interest in this Agreement without the prior written consent of both Parties. Should an assignment occur upon mutual written consent, this Agreement shall inure to the benefit of and be binding upon the Parties hereto and their respective heirs, representatives, successors, and assigns.

C. Severability

The Parties recognize and agree that should any clause(s) herein be held invalid by a Court of competent jurisdiction, the remaining clauses shall not be affected and shall remain of full force and effect.

D. Waiver

A waiver by either Party of a breach or failure to perform hereunder shall not constitute a waiver of any subsequent breach or failure to perform.

E. Indemnification, Governing Law, & Venue

District shall indemnify and hold harmless MMI from and against any and all claims, liabilities, damages, and expenses, including, without limitation, reasonable attorneys' fees, incurred by MMI in defending or compromising actions brought against it arising out of or related to the acts or omissions of District, its agents, employees, or officers in the provision of the Services or performance of duties by District pursuant to this Agreement.

This Agreement shall be construed in accordance with the laws of the State of Kentucky. Any dispute arising hereunder is subject to the laws of Kentucky, venue in Fayette County, Kentucky.

F. Notices

All notices required by this Agreement shall be in writing, delivered personally, by certified or registered mail, return receipt requested, or by Federal Express or Express Mail, and shall be deemed to have been duly given when delivered personally or when deposited in the United States mail, postage prepaid, addressed as follows:

To District:

Delta Mosquito & Vector Control District
1737 W. Houston Avenue
Visalia, CA 93291

To MMI:

Stephen Dobson, Ph.D., President
MosquitoMate, Inc.
2520 Regency Road
Lexington, Kentucky 40503
Tel: 859-488-1125
Email: sdobson@mosquitomate.com

G. Entire Agreement

The Parties hereto agree that this is the final Agreement between the Parties and supersedes any and all prior Agreements and/or assurances, be it oral or in writing.

IN WITNESS WHEREOF, the Parties have executed this Agreement on this ____ day of _____, _____.

DISTRICT

MOSQUITOMATE, INC.

By: _____
Name:

By: _____
Name:

15. Adjournment

Adjourn the meeting of the Board of Trustees to reconvene on Wednesday, May 11, 2022 at 4:30 p.m. in the Delta Mosquito and Vector Control District Boardroom, 1737 W. Houston Ave., Visalia, CA.