

CONSOLIDATED MOSQUITO ABATEMENT DISTRICT

13151 E. Industrial Dr., Parlier, CA 93648
559-896-1085 | www.consolidatedmadca.gov

Board of Trustees Meeting
Monday, September 15, 2025
1:00PM

AGENDA

1. Roll Call:

2. Public Comments:

This is an opportunity for public comment on non-agenda items. The President reserves the right to limit the duration of each speaker to five (5) minutes. It is customary for the Board not to answer any questions impromptu.

3. Items of General Consent:

The following items are routine in nature and may be approved by one blanket motion upon unanimous consent. The President or any member of the Board of Trustees may request an item be pulled from Items of General Consent for a separate discussion.

A. Approval of August Minutes

B. Approval of August Payroll and Bills

4. Review of District Investment Policy:

The Board will review the District Investment Policy and consider if an amendment is necessary.

5. CalPERS Actuarial Valuation:

The CalPERS annual actuarial valuation report for the District will be presented to the Board.

6. GIS/IT Specialist Salary Step Adjustment:

The Board will be asked to approve a salary step adjustment for GIS/IT Specialist Sakib.

7. Meeting Reports:

Reports on District participation at authorized meetings will be given by those who attended.

8. Manager's Report:

This is an opportunity for the Manager to report on District activities.

9. Board General Discussion:

This is an opportunity for Board Members to ask questions for clarification, provide information to staff, request staff to report back on a matter or direct staff to place a matter on a subsequent agenda.

10. Adjournment:

5. **Resolution 03-2025 Adopting Artificial Intelligence (AI) Policy:** A motion was made by Trustee Lopez, seconded by Trustee Fukuda and passed by a roll call vote of 10 – 0 – 1 (Willems absent) to approve Resolution number 03-2025, “A Resolution of the Board of Trustees of the Consolidated Mosquito Abatement District Adopting Artificial Intelligence (AI)” as a District Policy”.
6. **Resolution 04-2025 Adopting Contract and Document Signature Authorization Policy:** A motion was made by Trustee Fukuda, seconded by Trustee Lopez and passed by a roll call vote of 10 – 0 – 1 (Willems absent) to approve Resolution number 04-2025, “A Resolution of the Board of Trustees of the Consolidated Mosquito Abatement District Adopting “Contract and Document Signature Authorization” as a District Policy”.
7. **Employee Health Benefits Plan:** A motion was made by Trustee Hill, seconded by Trustee Fukuda, and passed by unanimous vote to approve the continued District coverage of full insurance and HSA premium costs under the SDRMA health benefits program medical plan rates, as presented, for the 2026 calendar year for all eligible employees in accordance with District policies.
8. **Expense Reimbursement Disclosure Report:** A motion was made by Trustee Isaak, seconded by Trustee Smith, and passed by unanimous vote to accept the fiscal year 2024 – 2025 expense reimbursement disclosure report.
9. **Professional Services Agreement with Ascendant App, Inc.** Trustee Isaak left the meeting. A motion was made by Trustee Fukuda, seconded by Trustee Scheitrum, and passed by unanimous vote to approve a Professional Services Agreement with Ascendant App, Inc. and to authorize Manager Holeman to sign the agreement.
10. **Meeting Reports:** GIS Coordinator/IT Specialist Sakib submitted a written report on his attendance at the Esri User Conference on July 14 – 18, 2025, in San Diego, CA.
11. **Manager’s Report:** District Manager Holeman provided the Board with the July Summary Report.
12. **Board General Discussion:** It was requested by Trustees Mellon, Lopez, and Scheitrum that they be notified whenever District ULV applications are scheduled within their respective cities.
13. **Staff Reports:** None

14. **Adjournment:** The meeting ended at 2:25 PM. The next Board meeting will be held on Monday, September 15, 2025.

Attested
Member, Board of Trustees

Consolidated Mosquito Abatement District
Monthly Expenses
August 2025

BMO Checks

Check #	Amount	Employee Amount	District Amount	Payee	Description
32461	\$2,383.86			Amy Garcia	Payroll - Full-Time Employee
32462	\$1,608.97			Ana Ramirez Perez	Payroll - Seasonal Employee
32463	\$1,623.92			Andrew Chavez	Payroll - Seasonal Employee
32464	\$1,933.53			Anita Munoz	Payroll - Seasonal Employee
32465	\$1,353.91			Anthony Marty Martinez	Payroll - Seasonal Employee
32466	\$1,989.13			Cheng Vang	Payroll - Seasonal Employee
32467	\$3,000.27			Chris Monis	Payroll - Full-Time Employee
32468	\$1,646.23			Chulong Vang	Payroll - Seasonal Employee
32469	\$1,929.03			Clarita Ramblas	Payroll - Seasonal Employee
32470	\$1,585.12			Connor D'Souza	Payroll - Seasonal Employee
32471	\$1,658.01			David Rodriguez	Payroll - Seasonal Employee
32472	\$1,827.31			Derek Hill	Payroll - Full-Time Employee
32473	\$2,536.29			Devon Cornel	Payroll - Full-Time Employee
32474	\$2,360.71			Donald McNeil	Payroll - Full-Time Employee
32475	\$1,662.77			Eric Ferguson	Payroll - Seasonal Employee
32476	\$1,526.79			Gannon Cox	Payroll - Seasonal Employee
32477	\$2,631.26			Gha Vang	Payroll - Full-Time Employee
32478	\$1,670.49			Heidi Hubbard	Payroll - Seasonal Employee
32479	\$2,275.24			Jacob Uribe	Payroll - Seasonal Employee
32480	\$4,368.54			Jodi Holeman	Payroll - Full-Time Employee
32481	\$1,309.90			Jorge Rivas Maya	Payroll - Seasonal Employee
32482	\$2,392.15			Jose Moreno	Payroll - Full-Time Employee
32483	\$1,247.57			Joshua Cornelius	Payroll - Seasonal Employee
32484	\$2,413.14			Jovana Benavides	Payroll - Full-Time Employee
32485	\$1,581.83			Justin Lor	Payroll - Seasonal Employee
32486	\$1,425.48			Kamaljit Bath	Payroll - Seasonal Employee
32487	\$2,961.41			Karan Cox	Payroll - Full-Time Employee
32488	\$2,349.05			Katherine Brisco	Payroll - Full-Time Employee

Consolidated Mosquito Abatement District
Monthly Expenses
August 2025

Check #	Amount	Employee Amount	District Amount	Payee	Description
32489	\$3,116.79			Katherine Ramirez	Payroll - Full-Time Employee
32490	\$1,526.77			Kyle Smith	Payroll - Seasonal Employee
32491	\$1,621.13			Leighton Nelson	Payroll - Seasonal Employee
32492	\$1,622.46			Leng Xiong	Payroll - Seasonal Employee
32493	\$1,366.05			Lewis Nunes	Payroll - Seasonal Employee
32494	\$1,719.19			Melissa Thies	Payroll - Seasonal Employee
32495	\$1,453.47			Richard Gordon	Payroll - Seasonal Employee
32496	\$2,230.37			Robert Martinez	Payroll - Seasonal Employee
32497	\$1,691.98			Rogelio Benavides	Payroll - Seasonal Employee
32498	\$1,851.65			Roger Vang	Payroll - Seasonal Employee
32499	\$2,448.40			Salman Sakib	Payroll - Full-Time Employee
32500	\$1,583.20			Tracy Autrey	Payroll - Seasonal Employee
32501	\$1,560.48			Yicherpe Ebay Vang	Payroll - Seasonal Employee
32502	\$3,509.78			EDD	Employee Personal Income Tax
32503	\$25,925.08	\$17,482.04	\$8,443.04	CMAD	Employee & District - Federal, FICA, M/C
32504	\$11,166.04	\$4,996.53	\$6,169.51	CalPERS	Retirement - Employee & District portions
32505	\$2,900.00			MissionSquare	Employee 457 (b) Deferred Compensation
32506	\$250.00			Valley First Credit Union	Employee credit union
32507	\$1,001.94			Mary Anne Hill	Travel expenses - CSDA Annual Conference
32508	\$1,279.61			Abraham Isaak	Travel expenses - CSDA Annual Conference
32509	\$1,341.01			Charles Smith	Travel expenses - CSDA Annual Conference
32510	\$1,001.94			Bruce Taylor	Travel expenses - CSDA Annual Conference
32511	\$71.68			American Family Life Assurance C	Disability insurance - employee
32512	\$1,037.99			AT&T	Telephone / internet - Parlier facility
32513	\$9,744.00			MosquitoMate, Inc.	Mosquito releases - insecticide
32514	\$8.11			PG&E	Gas charges - Clovis facility
32515	\$1,549.02			PG&E	Electric charges - Clovis facility
32516	\$65.76			PG&E	Electric charges - Selma facility
32517	\$129.08			PG&E	Gas & electric charges - Selma facility

Consolidated Mosquito Abatement District
Monthly Expenses
August 2025

Check #	Amount	Employee Amount	District Amount	Payee	Description
32518	\$348.30			Matson Alarm Co	Alarm systems
32519	\$167.39			City of Sanger	Water sewer disposal - Sanger facility
32520	\$275.00			Specialized Air	A/C service - Clovis facility
32521	\$2,501.56			Verizon	GPS units & cameras for vehicles
32522	\$2,383.88			Amy Garcia	Payroll - Full-Time Employee
32523	\$1,490.56			Ana Ramirez Perez	Payroll - Seasonal Employee
32524	\$1,460.38			Andrew Chavez	Payroll - Seasonal Employee
32525	\$1,781.83			Anita Munoz	Payroll - Seasonal Employee
32526	\$282.34			Anthony Marty Martinez	Payroll - Seasonal Employee
32527	\$1,491.36			Cheng Vang	Payroll - Seasonal Employee
32528	\$3,000.81			Chris Monis	Payroll - Full-Time Employee
32529	\$2,107.46			Chulong Vang	Payroll - Seasonal Employee
32530	\$1,767.96			Clarita Ramblas	Payroll - Seasonal Employee
32531	\$1,460.38			Connor D'Souza	Payroll - Seasonal Employee
32532	\$1,520.74			David Rodriguez	Payroll - Seasonal Employee
32533	\$1,827.54			Derek Hill	Payroll - Full-Time Employee
32534	\$2,536.29			Devon Cornel	Payroll - Full-Time Employee
32535	\$2,360.71			Donald McNiel	Payroll - Full-Time Employee
32536	\$1,482.39			Eric Ferguson	Payroll - Seasonal Employee
32537	\$1,399.02			Gannon Cox	Payroll - Seasonal Employee
32538	\$2,631.27			Gha Vang	Payroll - Full-Time Employee
32539	\$1,670.49			Heidi Hubbard	Payroll - Seasonal Employee
32540	\$1,946.22			Jacob Uribe	Payroll - Seasonal Employee
32541	\$4,369.00			Jodi Holeman	Payroll - Full-Time Employee
32542	\$769.86			Jorge Rivas Maya	Payroll - Seasonal Employee
32543	\$2,392.59			Jose Moreno	Payroll - Full-Time Employee
32544	\$880.72			Joshua Cornelius	Payroll - Seasonal Employee
32545	\$2,413.14			Jovana Benavides	Payroll - Full-Time Employee
32546	\$1,581.83			Justin Lor	Payroll - Seasonal Employee

Consolidated Mosquito Abatement District
Monthly Expenses
August 2025

Check #	Amount	Employee Amount	District Amount	Payee	Description
32547	\$1,298.92			Kamaljit Bath	Payroll - Seasonal Employee
32548	\$2,961.42			Karan Cox	Payroll - Full-Time Employee
32549	\$2,349.06			Katherine Brisco	Payroll - Full-Time Employee
32550	\$3,116.78			Katherine Ramirez	Payroll - Full-Time Employee
32551	\$1,399.02			Kyle Smith	Payroll - Seasonal Employee
32552	\$1,399.02			Leighton Nelson	Payroll - Seasonal Employee
32553	\$1,492.20			Leng Xiong	Payroll - Full-Time Employee
32554	\$1,366.05			Lewis Nunes	Payroll - Seasonal Employee
32555	\$1,611.13			Melissa Thies	Payroll - Seasonal Employee
32556	\$857.98			Richard Gordon	Payroll - Seasonal Employee
32557	\$2,560.22			Robert Martinez	Payroll - Seasonal Employee
32558	\$524.02			Rogelio Benavides	Payroll - Seasonal Employee
32559	\$1,389.36			Roger Vang	Payroll - Seasonal Employee
32560	\$2,448.41			Salman Sakib	Payroll - Full-Time Employee
32561	\$1,190.50			Tracy Autrey	Payroll - Seasonal Employee
32562	\$1,177.10			Yicherpe Ebay Vang	Payroll - Seasonal Employee
32563	\$3,190.69			EDD	Employee Personal Income Tax
32564	\$23,800.38	\$16,032.19	\$7,768.19	CMAD	Employee & District - Federal, FICA, M/C
32565	\$10,865.43	\$4,856.66	\$6,008.77	CalPERS	Retirement - Employee & District portions
32566	\$2,900.00			MissionSquare	Employee 457 (b) Deferred Compensation
32567	\$250.00			Valley First Credit Union	Employee credit union
32568	\$71.68			American Family Life Assurance C	Disability insurance - employee
32569	\$760.98			AT&T	Telephone / internet - Clovis facility
32570	\$40.91			AT&T	800 number
32571	\$57.17			California Water Service	Water - Selma facility
32572	\$350.00			CalPERS	GASB - 68 Reports & Schedules
32573	\$969.44			City of Clovis	Water sewer disposal - Clovis facility
32574	\$45.95			DoorKing, Inc.	Monthly gate cellular service
32575	\$350.00			Green and Clean Landscape	Irrigation repair

**Consolidated Mosquito Abatement District
Monthly Expenses
August 2025**

Check #	Amount	Employee Amount	District Amount	Payee	Description
32576	\$43.78			Mid-Valley Disposal	Disposal - Selma facility
32577	\$165.11	\$57.35	\$107.76	Mutual of Omaha	Life insurance
32578	\$1,108.10			City of Parlier	Water sewer disposal - Parlier facility
32579	\$17.57			PG&E	Electric & gas charges - Sanger facility
32580	\$18,842.93			SDRMA	Health, dental & vision premium
32581	\$84.70			SoCal Gas	Gas charges - Parlier facility
32582	\$14.79			SoCal Gas	Gas charges - Caruthers facility
32583	\$2,194.26			Verizon Wireless	Cell phones and tablets
32584	\$2,501.56			Verizon	GPS units & cameras for vehicles
32585	\$45.25			Melissa Thies	Payroll - Seasonal Employee
32586	\$6,103.15			Adapco	Insecticides
32587	\$300.00			All-Pro Janitorial Services	Janitorial services
32588	\$269.89			AutoZone, Inc.	Repair parts
32589	\$165.11			Battery Systems, Inc.	Batteries
32590	\$7,949.08			Clarke Mosquito Control	Insecticides / surveillance
32591	\$214.16			FedEx	Mosquito sample shipping
32592	\$68.00			Fedor Plumbing	Backflow testing - Sanger facility
32593	\$969.28			Fresno Oxygen	Dry ice
32594	\$186.83			Goodsuite	Copier maintenance & repair
32595	\$484.95			Jorgensen Company	Safety equipment
32596	\$114.40			Kimball Midwest	Shop supplies
32597	\$2,210.32			Linde Gas & Equipment, Inc.	Dry ice
32598	\$775.00			Lozano Smith	Legal fees
32599	\$742.81			Mission Uniform Service	Uniforms & safety
32600	\$132.50			Napa	Repair parts
32601	\$739.69			Nelson's Ace Hardware & Lumber	Surveillance / shop supplies / field equipment
32602	\$604.94			O'Reilly Auto Parts	Repair parts
32603	\$71.27			Office Depot	Misc office supplies

**Consolidated Mosquito Abatement District
Monthly Expenses
August 2025**

Check #	Amount	Employee Amount	District Amount	Payee	Description
32604	\$569.99			PBM Supply & Mfg, Inc.	Field equipment
32605	\$12.18			Salman Sakib	Travel expenses - ESRI User Conference
32606	\$1,800.00			Specialized Air Conditioning	A/C repair
32607	\$2,164.29			Target Specialty Products	Insecticides
32608	\$507.85			Tifco Industries	Shop supplies
32609	\$295.46			Tulare Polaris	Repair parts
32610	\$207.91			Veseris	Insecticides
32611	\$15,138.82			Wex Bank - Valero	Fuel
32612	\$7,385.48			U.S. Bank Corporate Payment	Credit card statement - see transaction list
Total	\$338,321.14	\$211,807.66	\$126,513.48		

County of Fresno Checks

Check #	Amount	Payee	Description
311734	\$145,307.79	Consolidated Mosquito	Transfer funds to checking
311735	\$142,784.74	Consolidated Mosquito	Transfer funds to checking
311736	\$50,228.61	Consolidated Mosquito	Transfer funds to checking
	\$338,321.14		

Summary of August Expenses

August 2025 Salaries & Wages	\$211,807.66
August 2025 Maintenance & Operations	\$126,513.48
Total August 2025 Expenditures	\$338,321.14

**Consolidated Mosquito Abatement District
Monthly Expenditures**

ACCOUNT NUMBER	ACCOUNT NAME	BUDGET FY 2025/2026	SPENT TO DATE	BALANCE AUG 31, 2025
<u>SALARIES, WAGES & EMPLOYEE BENEFITS</u>				
6101-01	Salaried Wages	\$1,340,000.00	\$212,052.32	\$1,127,947.68
6101-06	Hourly Wages & Extra Help	\$850,000.00	\$229,313.15	\$620,686.85
6101-02	FICA Employers Contribution	\$165,000.00	\$33,802.11	\$131,197.89
6101-03	Unemployment Insurance	\$25,000.00	\$629.08	\$24,370.92
6101-04	Retirement District's Payment	\$150,000.00	\$25,347.73	\$124,652.27
6101-08	CalPERS UAL Payment	\$54,000.00	\$30,754.00	\$23,246.00
6101-05	Group Health Insurance	\$315,000.00	\$51,529.84	\$263,470.16
	TOTALS	\$2,899,000.00	\$583,428.23	\$2,315,571.77
<u>OPERATING & MAINTENANCE SUPPLIES & EXPENSE</u>				
6102-01	Insecticides & Herbicides	\$550,000.00	\$267,351.62	\$282,648.38
6102-02	Power Spray & Field Equipment	\$35,000.00	\$2,533.67	\$32,466.33
6102-03	Misc Operating Supplies & Expense	\$10,000.00	\$905.82	\$9,094.18
6102-04	Fish Program	\$10,000.00	\$0.00	\$10,000.00
6102-05	Building & Ground Maintenance	\$45,000.00	\$6,476.37	\$38,523.63
6102-06	Airplane Expense	\$1,000.00	\$0.00	\$1,000.00
6102-07	Pre-Employment & Misc. Expenses	\$10,000.00	\$0.00	\$10,000.00
	TOTALS	\$661,000.00	\$277,267.48	\$383,732.52
<u>MOTOR VEHICLE SUPPLIES & EXPENSE</u>				
6103-01	Fuel & Lubricants	\$195,000.00	\$32,211.60	\$162,788.40
6103-02	Repairs & Shop Tools	\$45,000.00	\$6,045.33	\$38,954.67
6103-03	Tires & Batteries	\$20,000.00	\$464.22	\$19,535.78
	TOTALS	\$260,000.00	\$38,721.15	\$221,278.85
<u>UTILITIES & COMMUNICATIONS</u>				
6104-01	Heat, Light & Power	\$50,000.00	\$3,517.68	\$46,482.32
6104-04	Water Sewer & Disposal	\$26,000.00	\$3,726.72	\$22,273.28
6105-01	Telephone & Internet	\$30,000.00	\$3,674.35	\$26,325.65
6105-02	Cellular Phones & Tablets	\$35,000.00	\$4,394.47	\$30,605.53
	TOTALS	\$141,000.00	\$15,313.22	\$125,686.78
<u>OFFICE SUPPLIES & EXPENSE</u>				
6106-02	Postage, Printing & Stationery	\$8,000.00	\$2,000.93	\$5,999.07
6106-04	Repairs & Maintenance	\$8,000.00	\$428.99	\$7,571.01
6106-05	Misc Office Supplies	\$16,000.00	\$1,860.24	\$14,139.76
6106-06	Office Equipment & Furniture	\$15,000.00	\$996.55	\$14,003.45
	TOTALS	\$47,000.00	\$5,286.71	\$41,713.29
<u>INSURANCE</u>				
6107-01	Liability, Property & Auto	\$120,000.00	\$107,530.00	\$12,470.00
6107-02	Workers Compensation	\$78,000.00	\$73,213.00	\$4,787.00
	TOTALS	\$198,000.00	\$180,743.00	\$17,257.00

**Consolidated Mosquito Abatement District
Monthly Expenditures**

ACCOUNT NUMBER	ACCOUNT NAME	BUDGET FY 2025/2026	SPENT TO DATE	BALANCE AUG 31, 2025
<u>TRAVEL & SUBSISTENCE EXPENSE</u>				
6108-01	Meetings & Travel Allowance	\$105,000.00	\$9,790.87	\$95,209.13
6108-03	Meal Allowance	\$5,000.00	\$710.60	\$4,289.40
	TOTALS	\$110,000.00	\$10,501.47	\$99,498.53
<u>MISCELLANEOUS EXPENDITURES</u>				
6109-01	Rent: Land, Buildings and Equipment	\$2,000.00	\$0.00	\$2,000.00
6109-02	Dues, Subscriptions and Fees	\$42,000.00	\$15,047.93	\$26,952.07
6109-03	Education & Publicity	\$37,000.00	\$5,912.93	\$31,087.07
6109-04	Accounting	\$30,000.00	\$0.00	\$30,000.00
6109-05	Legal	\$12,000.00	\$775.00	\$11,225.00
6109-06	County Service Charge	\$85,000.00	\$0.00	\$85,000.00
6109-07	Uniforms, Safety Apparel & Equipment	\$30,000.00	\$3,699.74	\$26,300.26
6109-08	Surveillance & Research	\$100,000.00	\$11,882.13	\$88,117.87
6109-09	Other Miscellaneous Expenditures	\$25,000.00	\$1,116.36	\$23,883.64
6109-10	GIS & GPS	\$95,000.00	\$8,944.68	\$86,055.32
	TOTALS	\$458,000.00	\$47,378.77	\$410,621.23
TOTAL OPERATIONAL EXPENDITURES		\$4,774,000.00	\$1,158,640.03	\$3,615,359.97
<u>CAPITAL OUTLAY</u>				
6110-01	Office & Lab Furniture & Equipment	\$25,000.00	\$0.00	\$25,000.00
6110-02	Auto Equipment	\$300,000.00	\$0.00	\$300,000.00
6110-03	Shop Equipment	\$15,000.00	\$0.00	\$15,000.00
6110-04	Field Equipment	\$150,000.00	\$0.00	\$150,000.00
6110-05	Building & Ground Improvement	\$200,000.00	\$0.00	\$200,000.00
6110-06	Loan & Lease Purchase Payments	\$290,000.00	\$0.00	\$290,000.00
TOTAL CAPITAL OUTLAY EXPENDITURES		\$980,000.00	\$0.00	\$980,000.00
TOTAL EXPENDITURES		\$5,754,000.00	\$1,158,640.03	\$4,595,359.97
<u>Special Projects Reserve</u>		\$150,000.00	\$0.00	\$150,000.00
<u>MVCAC SSJVR Mutual Aid Reserve</u>		\$100,000.00	\$0.00	\$100,000.00
<u>Contingency Reserve</u>		\$500,000.00	\$0.00	\$500,000.00
<u>Building Reserve</u>		\$2,000,000.00	\$0.00	\$2,000,000.00
<u>Equipment Reserve</u>		\$500,000.00	\$0.00	\$500,000.00
<u>General Reserve</u>		\$5,605,000.00	\$0.00	\$5,605,000.00
TOTAL RESERVES		\$8,855,000.00	\$0.00	\$8,855,000.00
TOTAL EXPENDITURES AND RESERVES		\$14,609,000.00	\$1,158,640.03	\$13,450,359.97

**Consolidated Mosquito Abatement District
Monthly Expenditures**

FRESNO COUNTY ACCOUNT- BANK OF THE WEST (BMO)	
CASH ON HAND, JULY 31, 2025	\$9,336,956.36
PROPERTY TAXES WITHHELD BY FRS COUNTY	\$0.00
AUGUST REVENUE	\$0.00
AUGUST INTEREST	\$0.00
TAXES - FRESNO COUNTY / KINGS COUNTY	\$13,770.55
TOTAL REVENUE FOR AUGUST	<u>\$13,770.55</u>
SUB-TOTAL	\$9,350,726.91
COUNTY ADMIN COST FOR FY W/H BY COUNTY	\$0.00
MONEY TRANSFERRED TO CHECKING	(\$338,321.14)
CASH ON HAND, AUGUST 31, 2025	\$9,012,405.77

YEARLY REVENUE THROUGH 07-31-25	\$44,929.90
AUGUST REVENUE	\$13,770.55
YEARLY REVENUE THROUGH 08-31-25	\$58,700.45

CMAD CHECKING ACCOUNT - BANK OF THE WEST (BMO)	
CASH ON HAND, JULY 31, 2025	\$135,000.00
MONEY TRANSFERRED FROM FRS CO ACCT	\$338,321.14
AUGUST EXPENDITURES	(\$338,321.14)
CASH ON HAND, AUGUST 31, 2025	\$135,000.00

SALE OF REEDLEY DEPOT	\$185,000.00
DOWN PAYMENT	(\$25,000.00)
MONTHLY PAYMENTS PAID TO DATE	(\$46,438.00)
BALANCE DUE AS OF AUGUST 31, 2025	\$113,562.00



P.O. BOX 6343
FARGO ND 58125-6343



ACCOUNT NUMBER
STATEMENT DATE 09-08-2025
AMOUNT DUE \$7,385.48
NEW BALANCE \$7,385.48
PAYMENT DUE ON RECEIPT



000000458 01 SP 106481508019465 S

CONSOLIDATED MOSQUITO
ATTN KARAN COX
13151 E. INDUSTRIAL DR.
PARLIER CA 93648-9661

AMOUNT ENCLOSED
\$

Please make check payable to "U.S. Bank"

U.S. BANK CORPORATE PAYMENT SYSTEMS
P.O. BOX 790428
ST. LOUIS, MO 63179-0428

Please tear payment coupon at perforation.

CORPORATE ACCOUNT SUMMARY

CONSOLIDATED MOSQUIT	Previous Balance	Purchases And Other Charges	Cash Advances	Cash Advance Fees	Late Payment Charges	Credits	Payments	New Balance
Company Total	\$10,176.89	\$7,764.59	\$0.00	\$0.00	\$0.00	\$379.11	\$10,176.89	\$7,385.48

CORPORATE ACCOUNT ACTIVITY

CONSOLIDATED MOSQUITO				TOTAL CORPORATE ACTIVITY	
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
08-26	08-26	74798265238523800012424	PAYMENT-THANK YOU Q	10,176.89	PY
				\$10,176.89CR	

NEW ACTIVITY

KATHERINE RAMIREZ		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
		\$26.14	\$390.65	\$0.00	\$364.51
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
08-18	08-17	24011345229100069086154	AMAZON MARK* 8E26T0RN3 AMAZON.COM/MA WA	130.70	
09-04	09-03	24011345247100026101664	AMAZON MARK* 8E26T0RN3 SEATTLE WA	26.14	CR
09-08	09-07	24011345250100072634323	AMAZON MARK* 973PJ5ZK3 AMAZON.COM/MA WA	259.95	

CUSTOMER SERVICE CALL	ACCOUNT NUMBER		ACCOUNT SUMMARY	
	800-344-5696		PREVIOUS BALANCE	10,176.89
		PURCHASES & OTHER CHARGES	7,764.59	
	STATEMENT DATE	DISPUTED AMOUNT	CASH ADVANCES	.00
	09/08/25	.00	CASH ADVANCE FEES	.00
			LATE PAYMENT CHARGES	.00
SEND BILLING INQUIRIES TO: U.S. Bank National Association C/O U.S. Bancorp Purchasing Card Program P.O. Box 6335 Fargo, ND 58125-6335	AMOUNT DUE 7,385.48		CREDITS	379.11
			PAYMENTS	10,176.89
			ACCOUNT BALANCE	7,385.48



Company Name: CONSOLIDATED MOSQUITO
Corporate Account Number:
Statement Date: 09-08-2025

NEW ACTIVITY

Post Date	Tran Date	Reference Number	Transaction Description	Amount
08-07	08-06	24011345218100075113920	AMAZON MARK* 7J7VZ5AT3 AMAZON.COM/MA WA	17.43
08-08	08-07	24793385219001951604058	THE SELMA BARN SELMA CA	83.76
08-08	08-06	24943015219010185449877	THE HOME DEPOT #8529 SELMA CA	71.46
08-11	08-06	24801975220436253790871	CLOVIS GLASS COMPANY CLOVIS CA	190.07
08-20	08-20	24011345232100004717124	AMAZON MARK* E99GU8W03 AMAZON.COM/MA WA	24.29
08-20	08-18	24690515231448480293582	STAR ONE FOOD MART PARLIER CA	31.54
08-20	08-19	24692165231103411847996	AMAZON MKTPL*2T0A05OC3 AMZN.COM/BILL WA	79.55
08-20	08-19	24692165231103437051706	AMAZON MKTPL*UH8Y58013 AMZN.COM/BILL WA	468.57
08-27	08-26	24692165238109847364178	AMAZON MKTPL*DY8M359M3 AMZN.COM/BILL WA	28.36
08-27	08-26	24692165238109959973337	AMAZON MKTPL*XZ8M337G3 AMZN.COM/BILL WA	98.02
08-28	08-27	24011345239100090874626	AMAZON RETA* EQ1YW5RR3 WWW.AMAZON.CO WA	38.16
JODI HOLEMAN				
		CREDITS	PURCHASES	CASH ADV
		\$0.00	\$238.04	\$0.00
				TOTAL ACTIVITY
				\$238.04
Post Date	Tran Date	Reference Number	Transaction Description	Amount
08-25	08-24	24204295236000202032211	MICROSOFT-G108956992 800-6427676 WA	210.08
09-05	09-05	24011345248100044328082	MICROSOFT#G110793040 MICROSOFT.COM WA	27.96

Department: 00000 Total: \$7,385.48
 Division: 00000 Total: \$7,385.48

**Consolidated Mosquito Abatement District
Credit Card Transactions - August 2025**

Name	Date	Reference Number	Merchant Name	Amount	Item Description	CMAD Account #	Purchase Purpose
K. Ramirez	2025/08/17	24011345229100069086154	AMAZON MARK* 8E26T0RN3	\$130.70	Insect cages	6109-08	Rearing mosquitoes
K. Ramirez	2025/09/03	24011345247100026101664	AMAZON MARK* 8E26T0RN3	(\$26.14)	cage returned	6109-08	return
K. Ramirez	2025/09/07	24011345250100072634323	AMAZON MARK* 973PJ5ZK3	\$259.95	mugs, cookies, stress ball	6109-09	employee appreciation
K. Brisco	2025/08/06	24055235218433845122602	WALMART.COM	\$223.70	Ice chests	6109-08	ULV sentinel cage trials
K. Brisco	2025/08/06	24055235218433845471041	WALMART.COM	\$211.29	Ice chests	6109-08	ULV sentinel cage trials
K. Brisco	2025/08/06	24692165218101529967851	AMAZON MKTPL*L60W215V3	\$109.43	LED headlamps,cotton rolls	6109-08	ULV sentinel cage trials
K. Brisco	2025/08/07	24027625219067403512071	Kestrel Instruments	\$1,053.79	Kestrel 5500 Weather Meter	6109-08	Weather station for cage trials
K. Brisco	2025/08/16	24692165228100626669228	AMAZON MKTPL*LR3GP1JJ3	\$54.38	Hole punch 3/8, hand counter	6109-08	ULV sentinel cage trials
K. Brisco	2025/08/19	74284505233533039089023	PAYPAL *BUGDORM	\$281.64	Plastic webbed jt, acrylic flr	6109-08	Rearing mosquitoes
K. Brisco	2025/08/26	24137465239200258420876	HOBBY-LOBBY #940	\$12.47	nylon tulle	6109-08	ULV sentinel cage trials
J. Benavides	2025/08/29	24692165241102796453139	AMAZON.COM*MK1FH3R03	\$153.65	Insulated Shipping boxes	6109-08	shipping mosquito samples
J. Benavides	2025/09/07	24692165250101270307355	AMAZON.COM*3Z39B4MZ3	\$43.56	Rechargeable head lamp	6109-08	for ULV trials
K. Cox	2025/08/06	24013395218001261195122	CITY OF FRESNO IPS	\$1.14	parking meter	6106-05	parking at County of Fresno
K. Cox	2025/08/12	24427335224740288716802	R-N MARKET	\$107.76	Ice cream	6109-03	outreach event giveaway
K. Cox	2025/08/12	24445005225001040036039	DOLLAR GENERAL #18220	\$50.00	gift card	6109-03	outreach event drawing
K. Cox	2025/08/13	24137465226001621307286	USPS PO 0528990401	\$41.40	First-Class Lg Env	6106-02	mailing Board packet
K. Cox	2025/08/14	24000975227251603642017	PORTOLA HOTEL AND SPA	\$352.97	lodging	6108-01	CSDA Annual Conference
K. Cox	2025/08/14	24000975227251603642462	PORTOLA HOTEL AND SPA	\$352.97	lodging	6108-01	CSDA Annual Conference
K. Cox	2025/08/14	24692165226109057855315	Bloomin Blinds	\$205.00	Service1755212628240	6102-05	Repair broken shades
K. Cox	2025/08/14	24204295225001856423089	GOOGLE ONE	\$19.99	Google One	6106-05	Annual Google storage fee
K. Cox	2025/08/15	24801975228444894321280	MVCAC	\$450.00	Registration	6108-01	94th Annual Conference - DC
K. Cox	2025/08/15	24011345227100092216283	AMAZON RETA* YL77A9II3	\$33.90	correction tape, envelopes	6106-05	Misc office expenses
K. Cox	2025/08/18	24692165230102655575769	SQ *BELLA BAKERY	\$41.00	Cupcake Dozen	6108-03	Board meeting refreshments
K. Cox	2025/08/25	24000975238312702489010	HOTEL ABREGA	\$831.09	lodging	6108-01	CSDA Annual Conference
K. Cox	2025/08/25	74000975238313808759731	PORTOLA HOTEL AND SPA	(\$352.97)	lodging	6108-01	CSDA Annual Conference
K. Cox	2025/08/27	24036295239718217229669	VISTAPRINT	\$37.03	Business cards	6106-05	Misc office expenses
K. Cox	2025/08/28	24011345240100142728041	AMAZON MARK* P63EN4SI3	\$90.06	Key organizer cabinet	6102-05	facility key organizing
K. Cox	2025/08/28	24011345240100090147418	AMAZON MARK* 8V6CN3RJ3	\$80.70	vehicle power inverters	6102-02	field equipment
K. Cox	2025/08/29	24692165241102392032428	INTUIT *PAYROLL	\$1,100.00	Annual payroll subscription	6106-05	Misc office expenses
K. Cox	2025/09/02	24011345245100038782354	AMAZON MARK* 3F6QH1S93	\$10.89	plastic key tabs	6106-05	Misc office expenses
K. Cox	2025/09/04	24692165247107963893565	KELLY PAPER	\$54.88	Jumbo doorhanger paper	6106-05	field crew / surveillance notices
J. Moreno	2025/08/06	24943015219010185449877	THE HOME DEPOT #8529	\$71.46	Tree insect spray & sprayer	6102-05	spray aphid infested trees
J. Moreno	2025/08/06	24011345218100075113920	AMAZON MARK* 7J7VZ5AT3	\$17.43	Ferilter carburetor	6103-02	repair gas pressure washer
J. Moreno	2025/08/07	24793385219001951604058	THE SELMA BARN	\$83.76	fuel pump, fuel line, fuel filter	6102-02	Repair A1 fogger
J. Moreno	2025/08/08	248019752220436253790871	CLOVIS GLASS COMPANY	\$190.07	plexiglass 24"x53"x1/4"	6103-02	Front windshield cut to order
J. Moreno	2025/08/18	24690515231448480293582	STAR ONE FOOD MART	\$31.54	propane	6103-01	Forklift fuel
J. Moreno	2025/08/19	24692165231103437051706	AMAZON MKTPL*UH8Y58013	\$468.57	Polaris Ranger wheel bearing	6103-02	Replace worn out hubs #294

**Consolidated Mosquito Abatement District
Credit Card Transactions - August 2025**

Name	Date	Reference Number	Merchant Name	Amount	Item Description	CMAD Account #	Purchase Purpose
J. Moreno	2025/08/19	24692165231103411847996	MKTPL*2T0AO5OC3	\$79.55	Caltric Rack And Pinion wi	6103-02	Replace worn out rack # 294
J. Moreno	2025/08/20	24011345232100004717124	AMAZON MARK* E99GU8W03	\$24.29	Rear wheel bearings heavy	6103-02	Replace worn out bearings #294
J. Moreno	2025/08/26	24692165238109959973337	AMAZON MKTPL*XZ8M337G3	\$98.02	NICHE Front CV Axle Drive	6103-02	Replace worn out axle # 251
J. Moreno	2025/08/26	24692165238109847364178	MKTPL*DY8M359M3	\$28.36	Front Axle Outer CV boot	6103-02	spare part for ATVs
J. Moreno	2025/08/27	24011345239100090874626	EQ1YW5RR3	\$38.16	CV boot kit	6103-02	spare part for ATVs
J. Holeman	2025/08/24	24204295236000202032211	MICROSOFT-G108956992	\$210.08	Microsoft subscription	6106-05	mntly Microsoft subscription
J. Holeman	2025/09/05	24011345248100044328082	MICROSOFT#G110793040	\$27.96	Microsoft subscription	6106-05	mntly Microsoft subscription

Total \$7,385.48

6102-02	Field Equipment	\$164.46
6102-05	Building & Ground	\$366.52
6103-01	Fuel	\$31.54
6103-02	Repairs / Shop Tools	\$944.45
6106-02	Postage	\$41.40
6106-05	Misc Office Expenses	\$1,495.87
6108-01	Meetings & Travel expenses	\$1,634.06
6108-03	Meals	\$41.00
6109-03	Education & Publicity	\$157.76
6109-08	Surveillance & Research	\$2,248.47
6109-09	Others Misc Expenditures	\$259.95
	Total	\$7,385.48

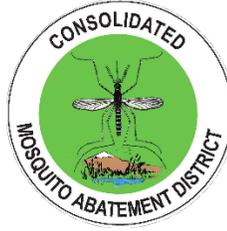
Agenda Item 4: Review of District Investment Policy

Background:

The District's investment policy must be reviewed at least annually at a regular public meeting of the Consolidated Mosquito Abatement District Board of Trustees. Revisions may be made at that time or at any other Board meeting when properly placed on the agenda according to law.

Action requested:

The Board is asked to review the District's investment policy. The District manager is not proposing any amendments at this time.



Consolidated Mosquito District Investment Policy

Policy #	Established:	Dates Amended:	Resolution #
N/A	09/16/1996 Resolution N/A	12/18/2023 9/17/2018 (Res No 08-2018) 8/17/2015 (N/A) 9/20/1999 (N/A)	04-2023

PURPOSE

The Board of Trustees of the Consolidated Mosquito Abatement District (District) has a fiduciary responsibility to maximize the use of public funds entrusted to its care and to manage those monies wisely and prudently. The purpose of this policy is to provide guidelines with regard to the investment of District funds.

The District shall be guided by and comply with the applicable rules of Government Code Sections 53601 through 53610 regarding the investment of surplus money not required for the immediate necessities of the District, and Government Code Sections 53630 through 53684 regarding the deposit and investment of other District funds.

For these reasons, and to ensure prudent and responsible management of the public’s funds, it is the policy of the District to invest funds in a manner which will provide the highest investment return with the maximum security while meeting the daily cash flow demands of the District and conforming to all statutes governing the investment of District funds as defined in GC §53600 et seq.

This policy shall apply to all funds and investment activity under the direct authority of the District. If there is any inconsistency between a provision of this policy and an applicable statutory provision, the statute will govern.

ALLOWABLE INVESTMENT INSTRUMENTS

The Fresno County Treasury. All funds collected by the County of Fresno are placed in the Treasury in an account in the name of the District. This shall be the primary investment instrument utilized by the District. District funds may also be invested in the Treasury as Member Trust Funds through the Central California Vector Control Joint Powers Agency (CCVCJPA).

The State of California’s Local Agency Investment Fund (LAIF). Funds may be invested in LAIF.

Vector Control Joint Powers Agency (VCJPA) Investment Pool. Funds may be invested in the VCJPA Member Contingency Fund.

SCOPE

This investment policy applies to all financial assets of the District. These funds are accounted for in the annual audited financial statements of the District.

PRUDENCE

The Board and persons authorized to make investment decisions subject to these policies are fiduciaries subject to the prudent investor standard. When investing, reinvesting, purchasing, acquiring, exchanging, selling, or managing public funds, a fiduciary shall act with care, skill, prudence, and diligence under the circumstances then prevailing, including, but not limited to, the general economic conditions and the anticipated needs of the agency, that a prudent person acting in a like capacity and familiarity with those matters would use in the conduct of funds of a like character and with like aims, to safeguard the principal and maintain the liquidity needs of the District.

Investments shall be made with judgment and care, under circumstances then prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of capital as well as the probable income to be derived.

Investment officers acting in accordance with written procedures and the investment policy and exercising due diligence shall be relieved of personal responsibility for an individual security's credit risk or market price changes, provided deviations from policy or expectations are reported in the next issued quarterly treasury report and appropriate actions are taken to control adverse developments. When a deviation poses a significant risk to the District's financial position, the fiscal officer shall notify the Board immediately.

OBJECTIVES

As specified in GC §53600.5, when investing, reinvesting, purchasing, acquiring, exchanging, selling or managing public funds, the primary objectives of the investment activities, in priority order, shall be:

- 1) Safety: Safety of principal is the foremost objective of the investment program. Investments of the District shall be undertaken in a manner that seeks to ensure the preservation of capital in the whole portfolio. To attain this objective, diversification is required in order that potential losses on individual securities do not exceed the income generated from the remainder of the portfolio.
- 2) Liquidity: The secondary objective shall be to meet the liquidity needs of the District.
- 3) Yield: The third objective shall be to achieve a return on the funds under the District's control.

REPORTING REQUIREMENTS

The District Manager, acting as chief fiscal officer for the District, shall submit a quarterly investment report to the Board of Trustees within 45 days following the end of each quarter. The report shall contain those reporting requirements listed in GC§53646, but not less than the following:

- 1) A statement indicating that all cash and investments are in conformity with this investment policy.
- 2) A statement indicating that there are sufficient funds to meet the next six months' expected expenditures.

A copy of the most recent statement or statements from the institutions listed as "Allowable Investment Instruments" in which the District has funds invested.

INVESTMENT POLICY REVISION

This investment policy shall be reviewed at least annually at a regular public meeting of the Board of Trustees of the Consolidated Mosquito Abatement District. Revision of the investment policy may be made at the time or at any other Board meeting when properly placed on the agenda according to law.

Agenda Item 5: CalPERS Actuarial Report

Background:

A retirement plan, through contract with the California Public Employees' Retirement System (CalPERS), is provided by the District as an employment benefit to regular and probationary employees and certain seasonal and temporary employees who are eligible and required to participate. The District's CalPERS contract has two plans, with distinct, defined benefits based on the employee's hire date. For those employed and brought into the District's CalPERS plan prior to January 1, 2013, the employees are in the Miscellaneous Plan of the District. The benefit formula is 2% at 60, and the employee contribution rate deducted from the employee's paycheck is 7.0% of salary. The District employer contribution rate (employer normal cost rate) for the Miscellaneous Plan is 10.18% for fiscal year 2026-2027. For those employees hired into a CalPERS-covered position on or after January 1, 2013, they are in the PEPRAs Miscellaneous Plan of the District. The PEPRAs benefit formula is 2% at 62, and the employee contribution rate is 7.75% with no scheduled increase for fiscal year 2026-2027. The employer normal cost rate for the PEPRAs Miscellaneous Plan is 7.93% for fiscal year 2026-2027.

Each year in July, CalPERS provides an actuarial valuation report as of one year prior. Attached is the Annual Valuation Report as of June 30, 2024, which establishes the required employer contributions for fiscal year 2026-2027 and provides projections for subsequent years. The report shows a combined unfunded accrued liability (UAL) of \$474,938 with a funded ratio of 95.2%. The required UAL contribution for fiscal year 2026-2027 is \$47,955, with projected UAL payments of approximately \$52,000 for fiscal year 2027-2028.

New Report Layout:

Beginning with the June 30, 2024 actuarial valuation, CalPERS has revised the format of its reporting. Previously, the District received separate reports for the Classic Miscellaneous Plan and the PEPRAs Miscellaneous Plan. These have now been combined into a single consolidated report, which incorporates both plans and eliminates the need for multiple amortization schedules. This revised structure is intended to provide a clearer overall picture of the pension plan's financial health and long-term costs.

Action requested:

The Board will be asked to review the Annual Valuation Report as of June 30, 2024, for the District's CalPERS Miscellaneous and PEPRAs Miscellaneous Plans.



**California Public Employees' Retirement System
Actuarial Office**

400 Q Street, Sacramento, CA 95811 | Phone: (916) 795-3000 | Fax: (916) 795-2744
888 CalPERS (or 888-225-7377) | TTY: (877) 249-7442 | www.calpers.ca.gov

July 2025

**All Rate Plans of the Consolidated Mosquito Abatement District in the Miscellaneous Risk Pool (CalPERS ID: 1965051103)
Annual Valuation Report as of June 30, 2024**

Dear Employer,

Attached to this letter is Section 1 of the June 30, 2024, actuarial valuation report for the plan noted above. **Provided in this report is the determination of the minimum required employer contributions for fiscal year (FY) 2026-27.** In addition, the report contains important information regarding the current financial status of the plan as well as projections and risk measures to aid in planning for the future.

Because this plan is in a risk pool, the following valuation report has been separated into two sections:

- Section 1 contains specific information for the following rate plan(s) including the development of the current and projected employer contributions.
 - 3366, Miscellaneous Plan
 - 27250, PEPRA Miscellaneous Plan
- Section 2 contains the Miscellaneous Risk Pool information as of June 30, 2024.

[Section 2](#) can be found on the CalPERS website (www.calpers.ca.gov). From the home page, go to “Forms & Publications” and select “View All”. In the search box, enter “Risk Pool” and from the results list download the Miscellaneous Risk Pool Actuarial Valuation Report for June 30, 2024.

Required Contributions

The table below shows the minimum required employer contributions and member contribution rates for FY 2026-27 along with an estimate of the required employer UAL contribution for FY 2027-28. **The required employer contributions in this report do not reflect any cost sharing arrangement between the agency and the employees.**

Fiscal Year	Rate Plan	Employer Normal Cost Rate	Member Contribution Rate	Fiscal Year	Employer Amortization of Unfunded Accrued Liability
2026-27	3366	10.18%	7.00%	2026-27	\$47,955
	27250	7.93%	7.75%		
					<i>Projected (Estimated)</i>
				2027-28	\$52,000

The actual investment return for FY 2024-25 was not known at the time this report was prepared. The projected UAL payment above assumes the investment return for that year would be 6.8%. To the extent the actual investment return for FY 2024-25 differs from 6.8%, the actual UAL contribution requirement for FY 2027-28 will differ from that shown above. For additional information on future contribution requirements, please refer to [Projected Employer Contributions](#). This section also contains projected required contributions through FY 2031-32.

PEPRA Member Contribution Rate

The employee contribution rate for PEPRA members can change based on the results of the actuarial valuation. See [Member Contribution Rates](#) for more information.

Report Navigation Features

The valuation report has a number of features to ease navigation and allow the reader to find specific information more quickly. The tables of contents are "clickable." This is true for the main table of contents that follows the title page and the intermediate tables of contents at the beginning of sections. The Adobe navigation pane on the left can also be used to skip to specific exhibits.

There are a number of links throughout the document in blue text. Links that are internal to the document are not underlined, while underlined links will take you to the CalPERS website. Examples are shown below.

Internal Bookmarks

[Required Employer Contributions](#)
[Member Contribution Rates](#)
[Summary of Key Valuation Results](#)
[Funded Status – Funding Policy Basis](#)
[Projected Employer Contributions](#)

CalPERS Website Links

[Required Employer Contribution Search Tool](#)
[Public Agency PEPRAs Member Contribution Rates](#)
[Pension Outlook Overview](#)
[Interactive Summary of Public Agency Valuation Results](#)
[Public Agency Actuarial Valuation Reports](#)

Report Enhancements

Effective with the June 30, 2024, actuarial valuation, separate amortization schedules for each tier of benefits are no longer necessary. Multiple amortization schedules, and thus multiple Section 1 reports, have been combined. We believe this gives the employer a clearer picture of the pension plan's financial health and long-term costs.

Further descriptions of general changes are included in the [Highlights and Executive Summary](#) section and in Appendix A - Actuarial Methods and Assumptions in Section 2.

Questions

A CalPERS actuary is available to answer questions about this report. Other questions may be directed to the Customer Contact Center at **888 CalPERS** (or **888-225-7377**).

Sincerely,



Tony Cuny, ASA, MAAA
Senior Actuary, CalPERS



Randall Dziubek, ASA, MAAA
Deputy Chief Actuary, Valuation Services, CalPERS



Scott Terando, ASA, EA, MAAA, FCA, CFA
Chief Actuary, CalPERS

California Public Employees' Retirement System

Actuarial Valuation for the Rate Plans of the Consolidated Mosquito Abatement District in the Miscellaneous Risk Pool as of June 30, 2024

(CalPERS ID: 1965051103)
(Rate Plan IDs: 3366, 27250)

Required Contributions for Fiscal Year

July 1, 2026 — June 30, 2027

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Section 2 – Miscellaneous Risk Pool Actuarial Information

Section 1

California Public Employees' Retirement System

**Employer Specific Information
for the
Rate Plans of the
Consolidated Mosquito Abatement District
in the Miscellaneous Risk Pool**

**(CalPERS ID: 1965051103)
(Rate Plan IDs: 3366, 27250)**

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Actuarial Certification

It is our opinion that the valuation has been performed in accordance with generally accepted actuarial principles as well as the applicable Standards of Practice promulgated by the Actuarial Standards Board. While this report, consisting of Section 1 and Section 2, is intended to be complete, our office is available to answer questions as needed. All of the undersigned are actuaries who satisfy the *Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States* of the American Academy of Actuaries with regard to pensions.

Actuarial Methods and Assumptions

It is our opinion that the assumptions and methods, as recommended by the Chief Actuary and adopted by the CalPERS Board of Administration, are internally consistent and reasonable for this plan.



Randall Dziubek, ASA, MAAA
Deputy Chief Actuary, Valuation Services, CalPERS



Scott Terando, ASA, EA, MAAA, FCA, CFA
Chief Actuary, CalPERS

Actuarial Data and Rate Plan Results

To the best of my knowledge and having relied upon the attestation above that the actuarial methods and assumptions are reasonable as well as the information in Section 2 of this report, this report is complete and accurate and contains sufficient information to disclose, fully and fairly, the funded condition of the rate plans of the Consolidated Mosquito Abatement District in the Miscellaneous Risk Pool and satisfies the actuarial valuation requirements of Government Code section 7504. This valuation and related validation work was performed by the CalPERS Actuarial Office. The valuation was based on the member and financial data as of June 30, 2024, provided by the various CalPERS databases and the benefits under this plan with CalPERS as of the date this report was produced. Section 1 of this report is based on the member and financial data for Consolidated Mosquito Abatement District, while Section 2 is based on the corresponding information for all agencies participating in the Miscellaneous Risk Pool to which the plan belongs.



Tony Cuny, ASA, MAAA
Senior Actuary, CalPERS

Highlights and Executive Summary

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- **Subsequent Events** 5

Introduction

This report presents the results of the June 30, 2024, actuarial valuation of the rate plans of the Consolidated Mosquito Abatement District in the Miscellaneous Risk Pool of the California Public Employees' Retirement System (CalPERS). This actuarial valuation sets the minimum required contributions for fiscal year (FY) 2026-27.

Purpose of Section 1

This Section 1 report for the rate plans of the Consolidated Mosquito Abatement District in the Miscellaneous Risk Pool of CalPERS was prepared by the Actuarial Office using data as of June 30, 2024. This report contains actuarial information for the following rate plan(s).

- 3366, Miscellaneous Plan
- 27250, PEPRAs Miscellaneous Plan

The purpose of the valuation is to:

- Set forth the assets and accrued liabilities of these rate plans as of June 30, 2024;
- Determine the minimum required employer contributions for these rate plans for FY July 1, 2026, through June 30, 2027;
- Determine the required member contribution rate for FY July 1, 2026, through June 30, 2027, for employees subject to the California Public Employees' Pension Reform Act of 2013 (PEPRA); and
- Provide actuarial information as of June 30, 2024, to the CalPERS Board of Administration (board) and other interested parties.

The pension funding information presented in this report should not be used in financial reports subject to Governmental Accounting Standards Board (GASB) Statement No. 68 for a Cost Sharing Employer Defined Benefit Pension Plan. A separate accounting valuation report for such purposes is available on the CalPERS website (www.calpers.ca.gov).

The measurements shown in this actuarial valuation may not be applicable for other purposes. The agency should contact a CalPERS actuary before disseminating any portion of this report for any reason that is not explicitly described above.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; changes in actuarial policies; changes in plan provisions or applicable law; and differences between the required contributions determined by the valuation and the actual contributions made by the agency.

Assessment and Disclosure of Risk

This report includes the following risk disclosures consistent with the guidance of the Actuarial Standards of Practice:

- A "Scenario Test," projecting future results under different investment income returns.
- A "Sensitivity Analysis," showing the impact on current valuation results using alternative discount rates of 5.8% and 7.8%.
- A "Sensitivity Analysis," showing the impact on current valuation results assuming rates of mortality are 10% lower or 10% higher than our current post-retirement mortality assumptions adopted in 2021.
- Plan maturity measures indicating how sensitive a plan may be to the risks noted above.
- The funded status on a termination basis.
- A low-default-risk obligation measure (LDRM) of benefit costs accrued as of the valuation date.

Summary of Key Valuation Results

Below is a brief summary of key valuation results along with page references where more detailed information can be found.

Required Employer Contributions — page 8

	Fiscal Year 2025-26	Fiscal Year 2026-27
Employer Normal Cost Rates		
Rate Plan 3366	10.19%	10.18%
Rate Plan 27250	7.96%	7.93%
Unfunded Accrued Liability (UAL) Contribution Amount	\$52,259	\$47,955
Paid either as		
Option 1) 12 Monthly Payments of	\$4,354.92	\$3,996.25
Option 2) Annual Prepayment in July	\$50,568	\$46,403

Member Contribution Rates — page 9

	Fiscal Year 2025-26	Fiscal Year 2026-27
Rate Plan 3366	7.00%	7.00%
Rate Plan 27250	7.75%	7.75%

Projected Employer Contributions — page 13

Fiscal Year	Normal Cost (% of payroll)		Annual UAL Payment
	Rate Plan 3366	Rate Plan 27250	
2027-28	10.2%	7.9%	\$52,000
2028-29	10.2%	7.9%	\$55,000
2029-30	10.2%	7.9%	\$51,000
2030-31	10.2%	7.9%	\$46,000
2031-32	10.2%	7.9%	\$46,000

Funded Status — Funding Policy Basis — page 11

	June 30, 2023	June 30, 2024
Entry Age Accrued Liability (AL)	\$9,268,754	\$9,822,135
Market Value of Assets (MVA)	8,419,905	9,347,197
Unfunded Accrued Liability (UAL) [AL – MVA]	\$848,849	\$474,938
Funded Ratio [MVA ÷ AL]	90.8%	95.2%

Summary of Valuation Data — Page 27

	June 30, 2023	June 30, 2024
Active Member Count	20	20
Annual Covered Payroll	\$1,291,580	\$1,493,849
Transferred Member Count	4	4
Separated Member Count	6	6
Retired Members and Beneficiaries Count	13	14

Changes Since the Prior Year's Valuation

Benefits

The standard actuarial practice at CalPERS is to recognize mandated legislative benefit changes in the first annual valuation following the effective date of the legislation. For pooled rate plans, voluntary benefit changes by plan amendment are generally included in the first valuation with a valuation date on or after the effective date of the amendment.

Please refer to the [Plan's Major Benefit Options](#) in this report and Appendix B of the Section 2 Report for a summary of the plan provisions used in this valuation.

Board Policy

On April 16, 2024, the board took action to modify the Funding Risk Mitigation Policy to remove the automatic change to the discount rate when the investment return exceeds various thresholds. Rather than an automatic change to the discount rate, a board discussion would be placed on the calendar. The 95th percentile return in the [Future Investment Return Scenarios](#) exhibit in this report, which includes returns high enough to trigger a board discussion, does not reflect any change in the discount rate.

Actuarial Methods and Assumptions

There are no significant changes to the actuarial methods or assumptions for the June 30, 2024, actuarial valuation.

Report Enhancements

Effective with the June 30, 2024, Actuarial Valuation, separate amortization schedules for each tier of benefits are no longer necessary. Multiple amortization schedules, and thus multiple Section 1 reports, will be combined. We believe this gives the employer a clearer picture of the pension plan's financial health and long-term costs.

Subsequent Events

This actuarial valuation report reflects fund investment return through June 30, 2024, as well as statutory changes, regulatory changes and board actions through January 2025.

CalPERS will be completing an Asset Liability Management (ALM) review process in November 2025 that will review the capital market assumptions and the CalPERS Total Fund Investment Policy and ascertain whether a change in the discount is warranted. In addition, the Actuarial Office will be presenting the findings of its Experience Study which reviews economic assumptions other than the discount rate as well as all demographic assumptions and makes recommendations to modify actuarial assumptions where appropriate. Any changes in actuarial assumptions will be reflected in the June 30, 2025, actuarial valuations.

The 2024 annual benefit limit under Internal Revenue Code (IRC) section 415(b) and annual compensation limits under IRC section 401(a)(17) and Government Code section 7522.10 were used for this valuation and are assumed to increase 2.3% per year based on the price inflation assumption. The actual 2025 limits, determined in October 2024, are not reflected.

To the best of our knowledge, there have been no other subsequent events that could materially affect current or future certifications rendered in this report.

Liabilities and Contributions

- **Determination of Required Contributions** 7
- **Required Employer Contributions** 8
- **Member Contribution Rates** 9
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Determination of Required Contributions

Contributions to fund the plan are determined by an actuarial valuation performed each year. The valuation employs complex calculations based on a set of actuarial assumptions and methods. See Appendix A in Section 2 for information on the assumptions and methods used in this valuation. The valuation incorporates all plan experience through the valuation date and sets required contributions for the fiscal year that begins two years after the valuation date.

Contribution Components

Two components comprise required contributions:

- Normal Cost — expressed as a percentage of pensionable payroll
- Unfunded Accrued Liability (UAL) Contribution — expressed as a dollar amount

Normal Cost represents the value of benefits allocated to the upcoming year for active employees. If all plan experience exactly matched the actuarial assumptions, normal cost would be sufficient to fully fund all benefits. The employer and employees each pay a share of the normal cost with contributions payable as part of the regular payroll reporting process. The contribution rate for Classic members is set by statute based on benefit formula whereas for PEPRAs members it is based on 50% of the total normal cost.

When plan experience differs from the actuarial assumptions, UAL emerges. The new UAL may be positive or negative. If the total UAL is positive (i.e., accrued liability exceeds assets), the employer is required to make contributions to pay off the UAL over time. This is called the UAL Contribution component. There is an option to prepay this amount during July of each fiscal year, otherwise it is paid monthly.

In measuring the UAL each year, plan experience is split by source. Common sources of UAL include investment experience different than expected, non-investment experience different than expected, assumption changes and benefit changes. Each source of UAL (positive or negative) forms a base that is amortized, or paid off, over a specified period of time in accordance with the CalPERS [Actuarial Amortization Policy](#). The UAL Contribution is the sum of the payments on all bases. See the [Schedule of Amortization Bases](#) section of this report for an inventory of existing bases and Appendix A in Section 2 for more information on the amortization policy.

Required Employer Contributions

The required employer contributions in this report do not reflect any cost sharing arrangement between the agency and the employees. For employee contribution rates, see [Member Contribution Rates](#).

Required Employer Contributions	Fiscal Year 2026-27
Employer Normal Cost Rate	
Classic Rate Plan 3366	10.18%
PEPRA Rate Plan 27250	7.93%
Plus	
Unfunded Accrued Liability (UAL) Contribution Amount[†]	\$47,955
Paid either as	
1) Monthly Payment	\$3,996.25
Or	
2) Annual Prepayment Option[‡]	\$46,403
<p>The total minimum required employer contribution is the sum of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll and paid as payroll is reported) and the Unfunded Accrued Liability (UAL) Contribution Amount (billed monthly(1) or prepaid annually(2) in dollars).</p> <p>[†]The required payment on amortization bases does not take into account any additional discretionary payment made after April 30, 2025.</p> <p>[‡]Only the UAL portion of the employer contribution can be prepaid (which must be received in full no later than July 31).</p>	

Development of Normal Cost as a Percentage of Payroll

	Fiscal Year 2025-26	Fiscal Year 2026-27
Classic Rate Plan 3366		
Base Total Normal Cost for Formula	17.13%	17.12%
Surcharge for Class 1 Benefits ¹	0.00%	0.00%
Plan's Total Normal Cost	17.13%	17.12%
Offset Due to Employee Contributions ²	(6.94%)	(6.94%)
Employer Normal Cost for Rate Plan 3366	10.19%	10.18%
PEPRA Rate Plan 27250		
Base Total Normal Cost for Formula	15.71%	15.68%
Surcharge for Class 1 Benefits ¹	0.00%	0.00%
Plan's Total Normal Cost	15.71%	15.68%
Offset Due to Employee Contributions ²	(7.75%)	(7.75%)
Employer Normal Cost for Rate Plan 27250	7.96%	7.93%

¹ See [Surcharge for Class 1 Benefits](#) in the supplementary information section of this report.

² This is the expected employee contributions, taking into account individual benefit formula and any offset from the use of a modified formula, divided by projected annual payroll. For member contribution rates above the breakpoint for each benefit formula, see [Member Contribution Rates](#).

Member Contribution Rates

The required member contributions in this report do not reflect any cost sharing arrangement between the agency and the employees.

Classic Members

Each member contributes toward their retirement based upon the retirement formula. The standard Classic member contribution rate above the breakpoint, if any, is as described below.

<u>Benefit Formula</u>	<u>Percent Contributed above the Breakpoint</u>
Miscellaneous, 1.5% at age 65	2%
Miscellaneous, 2% at age 60	7%
Miscellaneous, 2% at age 55	7%
Miscellaneous, 2.5% at age 55	8%
Miscellaneous, 2.7% at age 55	8%
Miscellaneous, 3% at age 60	8%

Auxiliary organizations of the CSU system may elect reduced contribution rates for Miscellaneous members, in which case the contribution rate above the breakpoint is 6% if members are not covered by Social Security and 5% if they are.

PEPRA Members

The California Public Employees' Pension Reform Act of 2013 (PEPRA) established new benefit formulas, final compensation period, and contribution requirements for "new" employees (generally those first hired into a CalPERS-covered position on or after January 1, 2013). In accordance with Government Code Section 7522.30(b), "new members ... shall have an initial contribution rate of at least 50% of the normal cost rate." The normal cost rate for the plan is dependent on the benefit levels, actuarial assumptions and demographics of the risk pool, particularly members' entry age. Should the total normal cost rate of the plan change by more than 1% from the base total normal cost rate established for the plan, the new member rate shall be 50% of the new normal cost rate rounded to the nearest quarter percent.

The table below shows the determination of the PEPRA member contribution rates effective July 1, 2026, based on 50% of the total normal cost rate as of the June 30, 2024, valuation.

<u>Rate Plan Identifier</u>	<u>Benefit Group Name</u>	<u>Basis for Current Rate</u>		<u>Rates Effective July 1, 2026</u>			
		<u>Total Normal Cost</u>	<u>Member Rate</u>	<u>Total Normal Cost</u>	<u>Change in Normal Cost</u>	<u>Adj. Needed</u>	<u>Member Rate</u>
27250	PEPRA Miscellaneous Plan	15.43%	7.75%	15.68%	0.25%	No	7.75%

Breakdown of Entry Age Accrued Liability

Active Members	\$3,422,295
Transferred Members	186,856
Separated Members	619,469
Members and Beneficiaries Receiving Payments	<u>5,593,515</u>
Total	\$9,822,135

Allocation of Plan's Share of Pool's Experience

It is the policy of CalPERS to ensure equity within the risk pools by allocating the pool's experience gains/losses and assumption changes in a manner that treats each employer equitably and maintains benefit security for the members of the System while minimizing substantial variations in employer contributions. The pool's experience gains/losses and impact of assumption/method changes is allocated to the plan as follows:

1. Plan's Accrued Liability	\$9,822,135
2. Projected UAL Balance at 6/30/2024	578,097
3. Other UAL Adjustments (Golden Handshake, Prior Service Purchase, etc.)	0
4. Adjusted UAL Balance at 6/30/2024 for Asset Share	855,069
5. Pool's Accrued Liability ¹	24,701,567,178
6. Sum of Pool's Individual Plan UAL Balances at 6/30/2024 ¹	5,686,499,631
7. Pool's 2023-24 Investment (Gain)/Loss ¹	(476,088,386)
8. Pool's 2023-24 Non-Investment (Gain)/Loss ¹	305,188,638
9. Plan's Share of Pool's Investment (Gain)/Loss: $[(1) - (4)] \div [(5) - (6)] \times (7)$	(224,512)
10. Plan's Share of Pool's Non-Investment (Gain)/Loss: $(1) \div (5) \times (8)$	121,353
11. Plan's New (Gain)/Loss as of 6/30/2024: $(9) + (10)$	(103,159)
12. Increase in Pool's Accrued Liability due to Change in Assumptions ¹	0
13. Plan's Share of Pool's Change in Assumptions: $(1) \div (5) \times (12)$	0
14. Increase in Pool's Accrued Liability due to Funding Risk Mitigation ¹	0
15. Plan's Share of Pool's Change due to Funding Risk Mitigation: $(1) \div (5) \times (14)$	0
16. Offset due to Funding Risk Mitigation	0
17. Plan's Investment (Gain)/Loss: $(9) - (16)$	(224,512)

¹ Does not include plans that transferred to the pool on the valuation date.

Development of the Plan's Share of Pool's Assets

18. Plan's UAL: $(2) + (3) + (11) + (13) + (15)$	\$474,938
19. Plan's Share of Pool's Market Value of Assets (MVA): $(1) - (18)$	\$9,347,197

For a reconciliation of the pool's Market Value of Assets (MVA), information on the fund's asset allocation and a history of CalPERS investment returns, see [Section 2](#), which can be found on the CalPERS website (www.calpers.ca.gov).

Funded Status – Funding Policy Basis

The table below provides information on the current funded status of the plan under the funding policy. The funded status for this purpose is based on the market value of assets relative to the funding target produced by the entry age actuarial cost method and actuarial assumptions adopted by the board. The actuarial cost method allocates the total expected cost of a member's projected benefit (**Present Value of Benefits**) to individual years of service (the **Normal Cost**). The value of the projected benefit that is not allocated to future service is referred to as the **Accrued Liability** and is the plan's funding target on the valuation date. The **Unfunded Accrued Liability (UAL)** equals the funding target minus the assets. The UAL is an absolute measure of funded status and can be viewed as employer debt. The **Funded Ratio** equals the assets divided by the funding target. The funded ratio is a relative measure of the funded status and allows for comparisons between plans of different sizes.

	June 30, 2023	June 30, 2024
1. Present Value of Benefits	\$11,312,694	\$12,052,953
2. Entry Age Accrued Liability	9,268,754	9,822,135
3. Market Value of Assets (MVA)	8,419,905	9,347,197
4. Unfunded Accrued Liability (UAL) [(2) – (3)]	\$848,849	\$474,938
5. Funded Ratio [(3) ÷ (2)]	90.8%	95.2%

A funded ratio of 100% (UAL of \$0) implies that the funding of the plan is on target and that future contributions equal to the normal cost of the active plan members will be sufficient to fully fund all retirement benefits if future experience matches the actuarial assumptions. A funded ratio of less than 100% (positive UAL) implies that in addition to normal costs, payments toward the UAL will be required. Plans with a funded ratio greater than 100% have a negative UAL (or surplus) but are required under current law to continue contributing the normal cost in most cases, preserving the surplus for future contingencies.

Calculations for the funding target reflect the expected long-term investment return of 6.8%. If it were known on the valuation date that future investment returns will average something greater/less than the expected return, calculated normal costs and accrued liabilities provided in this report would be less/greater than the results shown. Therefore, for example, if actual average future returns are less than the expected return, calculated normal costs and UAL contributions will not be sufficient to fully fund all retirement benefits. Under this scenario, required future normal cost contributions will need to increase from those provided in this report, and the plan will develop unfunded liabilities that will also add to required future contributions. For illustrative purposes, funded statuses based on a 1% lower and higher average future investment return (discount rate) are as follows:

	1% Lower Average Return	Current Assumption	1% Higher Average Return
Discount Rate	5.8%	6.8%	7.8%
1. Entry Age Accrued Liability	\$11,126,670	\$9,822,135	\$8,743,314
2. Market Value of Assets (MVA)	9,347,197	9,347,197	9,347,197
3. Unfunded Accrued Liability (UAL) [(1) – (2)]	\$1,779,473	\$474,938	(\$603,883)
4. Funded Ratio [(2) ÷ (1)]	84.0%	95.2%	106.9%

The [Risk Analysis](#) section of the report provides additional information regarding the sensitivity of valuation results to the expected investment return and other factors. Also provided in that section are measures of funded status that are appropriate for assessing the sufficiency of plan assets to cover estimated termination liabilities.

Additional Employer Contributions

The CalPERS amortization policy provides a systematic methodology for paying down a plan’s unfunded accrued liability (UAL) over a reasonable period of years. The projected schedule of required payments for this plan under the amortization policy is provided in [Amortization Schedule and Alternatives](#). Certain aspects of the policy such as 1) layered amortization bases (positive and negative) with different remaining payoff periods, and 2) the phase-in of required payments toward investment gains and losses, can result in volatility in year-to-year projected UAL payments. Provided below is information on how an Additional Discretionary Payment (ADP), together with your required UAL payment of \$47,955 for FY 2026-27, may better accomplish your agency’s specific objectives with regard to either smoothing out projected future payments or achieving a greater reduction in UAL than would otherwise occur when making only the minimum required payment. Such additional payments are allowed at any time and can also result in significant long-term savings.

Fiscal Year 2026-27 Employer Contribution Versus Agency Funding Objectives

The interest-to-payment ratio for the FY 2026-27 minimum required UAL payment is 68%, which means the required payment of \$47,955 includes \$32,407 of interest cost and results in a \$15,548 reduction in the UAL, as can be seen in [Amortization Schedule and Alternatives](#) (see columns labelled Current Amortization Schedule). If the interest-to-payment ratio is close to 100%, and the reduction in the UAL is small, it may indicate that required contributions will be increasing in the coming years, which would be shown in [Projected Employer Contributions](#). Another measure that can be used to evaluate how well the FY 2026-27 required UAL payment meets the agency’s specific funding objectives is the number of years required to pay off the existing UAL if the annual payment were held constant in future years. With an annual payment of \$47,955 it would take 17.6 years to pay off the current UAL. A result that is longer than the agency’s target funding period suggests that the option of supplementing the minimum payment with an ADP should be weighed against the agency’s budget constraints.

Provided below are select ADP options for consideration. Making such an ADP during FY 2026-27 does not require an ADP be made in any future year, nor does it change the remaining amortization period of any portion of unfunded liability. For information on permanent changes to amortization periods, see [Amortization Schedule and Alternatives](#). Agencies considering making an ADP should contact CalPERS for additional information.

Fiscal Year 2026-27 Employer Contributions — Illustrative Scenarios

If the Annual UAL Payment Each Year Were...	The Current UAL Would be Paid Off in...	This Would Require an ADP ¹ in FY 2026-27 of...	Plus the Estimated Normal Cost of...	Estimated Total Contribution
\$47,955	17.6 years	\$0	\$144,175	\$192,130
52,470	15 years	4,515	144,175	196,645
68,273	10 years	20,318	144,175	212,448
117,408	5 years	69,453	144,175	261,583

¹ The ADP amounts are assumed to be made in the middle of the fiscal year. A payment made earlier or later in the fiscal year would have to be less or more than the amount shown to have the same effect on the UAL amortization.

The calculations above are based on the projected UAL as of June 30, 2026, as determined in the June 30, 2024, actuarial valuation. New unfunded liabilities can emerge in future years due to assumption or method changes, changes in plan provisions, and actuarial experience different than assumed. Making an ADP illustrated above for the indicated number of years will not result in a plan that is exactly 100% funded in the indicated number of years. Valuation results will vary from one year to the next and can diverge significantly from projections over a period of several years.

Additional Discretionary Payment History

The following table provides a recent history of actual ADPs made to the plan through April 30, 2025.

Fiscal Year	ADP	Fiscal Year	ADP
2019-20	\$105,978	2022-23	\$0
2020-21	484,804	2023-24	325,000
2021-22	0	2024-25	0

Projected Employer Contributions

The table below shows the required and projected employer contributions (before cost sharing) for the next six fiscal years. The projection assumes that all actuarial assumptions will be realized and that no further changes to assumptions, contributions, benefits, or funding will occur during the projection period. In particular, the investment return beginning with FY 2024-25 is assumed to be 6.80% per year, net of investment and administrative expenses. Future contribution requirements may differ significantly from those shown below. The actual long-term cost of the plan will depend on the actual benefits and expenses paid and the actual investment experience of the fund.

The normal cost rates for each rate plan are assumed to remain constant. However, the employer contribution amounts will vary due to changes in payroll. The actuarial valuation does not include payroll beyond the valuation date. For the most realistic projections, the employer should apply projected payroll amounts to the rates below based on the most recent information available, such as current payroll as well as any plans to fill vacancies or add or remove positions.

Rate Plan Identifier	Covered Payroll June 30, 2024	Required Contribution	Projected Future Employer Contributions (Assumes 6.80% Return for Fiscal Year 2024-25 and Beyond)				
		2026-27	2027-28	2028-29	2029-30	2030-31	2031-32
Normal Cost Rates (Percentage of Payroll)							
3366	\$706,572	10.18%	10.2%	10.2%	10.2%	10.2%	10.2%
27250	787,277	7.93%	7.9%	7.9%	7.9%	7.9%	7.9%
UAL Payment		\$47,955	\$52,000	\$55,000	\$51,000	\$46,000	\$46,000

Unlike the normal cost rates, the required UAL payments are expected to vary significantly from the projections above due to experience, particularly investment experience. For projected contributions under alternate investment return scenarios, please see the [Future Investment Return Scenarios](#) exhibit. Our online pension plan projection tool, [Pension Outlook](#), is available in the Employers section of the CalPERS website. Pension Outlook can help plan and budget pension costs under various scenarios.

For ongoing plans, investment gains and losses are amortized using an initial 5-year ramp. For more information, please see Amortization of Unfunded Actuarial Accrued Liability in Appendix A of the Section 2 Report. This method phases in the impact of the change in UAL over a 5-year period in order to reduce employer cost volatility from year to year. As a result of this methodology, dramatic changes in the required employer contributions in any one year are less likely. However, required contributions can change gradually and significantly over the next five years. In years when there is a large investment loss, the relatively small amortization payments during the initial ramp period could result in contributions that are less than interest on the UAL (i.e. negative amortization) while the contribution impact of the increase in the UAL is phased in.

Schedule of Amortization Bases

Below is the schedule of the plan's amortization bases. Note that there is a two-year lag between the valuation date and the start of the contribution year.

- The assets, liabilities and funded status of the plan are measured as of the valuation date: June 30, 2024.
- The required employer contributions determined by the valuation are for the fiscal year beginning two years after the valuation date: FY 2026-27.

This two-year lag is necessary due to the amount of time needed to extract and test the membership and financial data, and the need to provide public agencies with their required employer contribution well in advance of the start of the fiscal year.

The Unfunded Accrued Liability (UAL) is used to determine the employer contribution and therefore must be rolled forward two years from the valuation date to the first day of the fiscal year for which the contribution is being determined. The UAL is rolled forward each year by subtracting the expected payment on the UAL for the fiscal year and adjusting for interest. The expected payment on the UAL for FY 2024-25 is based on the actuarial valuation two years ago, adjusted for additional discretionary payments made on or before April 30, 2025, if necessary, and the expected payment for FY 2025-26 is based on the actuarial valuation one year ago.

Reason for Base	Date Est.	Ramp Level 2026-27	Ramp Shape	Escalation Rate	Amort. Period	Balance 6/30/24	Expected Payment 2024-25	Balance 6/30/25	Expected Payment 2025-26	Balance 6/30/26	Minimum Required Payment 2026-27
Partial Fresh Start	6/30/22	60%	Up Only	0.00%	18	367,100	7,890	383,909	15,782	393,705	23,672
Investment (Gain)/Loss	6/30/23	40%	Up Only	0.00%	19	58,329	0	62,295	1,339	65,147	2,678
Non-Investment (Gain)/Loss	6/30/23	No Ramp		0.00%	19	152,668	0	163,049	14,662	158,984	14,662
Investment (Gain)/Loss	6/30/24	20%	Up Only	0.00%	20	(224,512)	0	(239,779)	0	(256,084)	(5,504)
Non-Investment (Gain)/Loss	6/30/24	No Ramp		0.00%	20	121,353	0	129,605	0	138,418	12,447
Total						474,938	7,890	499,079	31,783	500,170	47,955

The (gain)/loss bases are the plan's allocated share of the risk pool's (gain)/loss for the fiscal year as disclosed in [Allocation of Plan's Share of Pool's Experience](#) earlier in this report. These (gain)/loss bases will be amortized in accordance with the CalPERS amortization policy in effect at the time the base was established.

Amortization Schedule and Alternatives

The amortization schedule on the previous page(s) shows the minimum contributions required according to the CalPERS amortization policy. Each year, many agencies express a desire for a more stable pattern of payments or indicate interest in paying off the unfunded accrued liabilities more quickly than required. As such, we have provided alternative amortization schedules to help analyze the current amortization schedule and illustrate the potential savings of accelerating unfunded liability payments.

Shown on the following page are future year amortization payments based on 1) the current amortization schedule reflecting the individual bases and remaining periods shown on the previous page, and 2) alternative "fresh start" amortization schedules using two sample periods that would both result in interest savings relative to the current amortization schedule. To initiate a fresh start, please contact a CalPERS actuary.

The current amortization schedule typically contains both positive and negative bases. Positive bases result from plan changes, assumption changes, method changes or plan experience that increase unfunded liability. Negative bases result from plan changes, assumption changes, method changes, or plan experience that decrease unfunded liability. The combination of positive and negative bases within an amortization schedule can result in unusual or problematic circumstances in future years, such as:

- When a negative payment would be required on a positive unfunded actuarial liability; or
- When the payment would completely amortize the total unfunded liability in a very short time period, and results in a large change in the employer contribution requirement.

In any year when one of the above scenarios occurs, the actuary will consider corrective action such as replacing the existing unfunded liability bases with a single "fresh start" base and amortizing it over an appropriate period.

The current amortization schedule on the following page may appear to show that, based on the current amortization bases, one of the above scenarios will occur at some point in the future. It is impossible to know today whether such a scenario will in fact arise since there will be additional bases added to the amortization schedule in each future year. Should such a scenario arise in any future year, the actuary will take appropriate action based on guidelines in the CalPERS [Actuarial Amortization Policy](#).

Amortization Schedule and Alternatives (continued)

Date	Current Amortization Schedule		Alternative Schedules			
	Balance	Payment	15 Year Amortization		10 Year Amortization	
			Balance	Payment	Balance	Payment
6/30/2026	500,170	47,955	500,170	52,470	500,170	68,273
6/30/2027	484,622	51,680	479,957	52,470	463,625	68,273
6/30/2028	464,168	55,405	458,369	52,470	424,595	68,273
6/30/2029	438,474	51,240	435,313	52,469	382,911	68,273
6/30/2030	415,336	45,735	410,691	52,470	338,393	68,273
6/30/2031	396,314	45,735	384,393	52,469	290,848	68,273
6/30/2032	376,000	45,736	356,308	52,469	240,070	68,273
6/30/2033	354,302	45,735	326,313	52,469	185,839	68,273
6/30/2034	331,130	45,736	294,279	52,470	127,920	68,272
6/30/2035	306,381	45,734	260,065	52,470	66,063	68,272
6/30/2036	279,951	45,734	223,525	52,469		
6/30/2037	251,724	45,734	184,501	52,470		
6/30/2038	221,577	45,735	142,822	52,469		
6/30/2039	189,380	45,734	98,310	52,469		
6/30/2040	154,995	45,734	50,771	52,469		
6/30/2041	118,271	45,736				
6/30/2042	79,047	45,735				
6/30/2043	37,156	38,399				
6/30/2044						
6/30/2045						
6/30/2046						
6/30/2047						
6/30/2048						
6/30/2049						
Total		839,232		787,042		682,728
Interest Paid		339,062		286,872		182,558
Estimated Savings				52,190		156,504

Employer Contribution History

The table below provides a recent history of the employer contribution requirements for the plan, as determined by the annual actuarial valuation. Changes due to prepayments or plan amendments after the valuation report was finalized are not reflected.

Valuation Date	Contribution Year	Employer Normal Cost Rate		Unfunded Liability Payment
		Rate Plan 3366	Rate Plan 27250	
06/30/2015	2017-18	7.200%	6.533%	\$9,417
06/30/2016	2018-19	7.634%	6.842%	16,290
06/30/2017	2019-20	8.081%	6.985%	19,745
06/30/2018	2020-21	8.794%	7.732%	25,349
06/30/2019	2021-22	8.65%	7.59%	37,366
06/30/2020	2022-23	8.63%	7.47%	7,449
06/30/2021	2023-24	10.10%	7.68%	0
06/30/2022	2024-25	10.15%	7.87%	24,216
06/30/2023	2025-26	10.19%	7.96%	52,259
06/30/2024	2026-27	10.18%	7.93%	47,955

Funding History

The table below shows the recent history of the actuarial accrued liability, share of the pool's market value of assets, unfunded accrued liability, funded ratio and annual covered payroll.

Valuation Date	Accrued Liability (AL)	Share of Pool's Market Value of Assets (MVA)	Unfunded Accrued Liability (UAL)	Funded Ratio	Annual Covered Payroll
06/30/2015	\$5,389,865	\$5,258,297	\$131,568	97.6%	\$1,096,405
06/30/2016	5,674,631	5,116,781	557,850	90.2%	1,060,969
06/30/2017	5,911,208	5,412,694	498,514	91.6%	1,160,164
06/30/2018	6,483,410	5,919,249	564,161	91.3%	1,156,816
06/30/2019	6,892,022	6,331,497	560,525	91.9%	1,264,549
06/30/2020	7,326,549	6,660,608	665,941	90.9%	1,201,389
06/30/2021	7,717,305	8,435,794	(718,489)	109.3%	1,201,019
06/30/2022	8,446,753	7,848,013	598,740	92.9%	1,405,677
06/30/2023	9,268,754	8,419,905	848,849	90.8%	1,291,580
06/30/2024	9,822,135	9,347,197	474,938	95.2%	1,493,849

Risk Analysis

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Future Investment Return Scenarios

Analysis using the investment return scenarios from the Asset Liability Management process completed in 2021 was performed to determine the effects of various future investment returns on required employer UAL contributions. The CalPERS [Funding Risk Mitigation Policy](#) stipulates that when the investment return exceeds the discount rate by at least 2% the board will consider adjustments to the discount rate. The projections below use a discount rate of 6.8% for all scenarios even though an annual return of 10.8% is high enough to trigger a board discussion on the discount rate. The projections also assume that all other actuarial assumptions will be realized and that no further changes in assumptions, contributions, benefits, or funding will occur.

The employer normal cost rates are not affected by investment returns, and since no future assumption changes are being reflected, the projected employer normal cost rates for every future investment return scenario are the same as those shown earlier in this report. See [Projected Employer Contributions](#) for more information on projecting the employer normal cost.

The first table shows projected UAL contribution requirements if the fund were to earn either 3.0% or 10.8% annually. These alternate investment returns were chosen because 90% of long-term average returns are expected to fall between them over the 20-year period ending June 30, 2044.

Assumed Annual Return FY 2024-25 through FY 2043-44	Projected Employer UAL Contributions				
	2027-28	2028-29	2029-30	2030-31	2031-32
3.0% (5th percentile)	\$60,000	\$82,000	\$104,000	\$135,000	\$181,000
10.8% (95th percentile)	\$43,000	\$0	\$0	\$0	\$0

Required UAL contributions outside of this range are also possible. In particular, whereas it is unlikely that investment returns will average less than 3.0% or greater than 10.8% over a 20-year period, the likelihood of a single investment return less than 3.0% or greater than 10.8% in any given year is much greater. The following analysis illustrates the effect of an extreme, single year investment return.

The portfolio has an expected volatility (or standard deviation) of 12.0% per year. Accordingly, in any given year there is a 16% probability that the annual return will be -5.2% or less and a 2.5% probability that the annual return will be -17.2% or less. These returns represent one and two standard deviations below the expected return of 6.8%.

The following table shows the effect of one and two standard deviation investment losses in FY 2024-25 on the FY 2027-28 contribution requirements. Note that a single-year investment gain or loss decreases or increases the required UAL contribution amount incrementally for each of the next five years, not just one, due to the 5-year ramp in the amortization policy. However, the contribution requirements beyond the first year are also impacted by investment returns beyond the first year. Historically, significant downturns in the market are often followed by higher than average returns. Such investment gains would offset the impact of these single year negative returns in years beyond FY 2027-28.

Assumed Annual Return for Fiscal Year 2024-25	Required Employer UAL Contributions	Projected Employer UAL Contributions
	2026-27	2027-28
(17.2%) (2 standard deviation loss)	\$47,955	\$107,000
(5.2%) (1 standard deviation loss)	\$47,955	\$79,000

- Without investment gains (returns higher than 6.8%) in FY 2025-26 or later, projected contributions rates would continue to rise over the next four years due to the continued phase-in of the impact of the illustrated investment loss in FY 2024-25.
- The Pension Outlook Tool can be used to model projected contributions for these scenarios beyond FY 2027-28 as well as to model other investment return scenarios.

Discount Rate Sensitivity

The discount rate assumption is calculated as the sum of the assumed real rate of return and the assumed annual price inflation, currently 4.5% and 2.3%, respectively. Changing either the price inflation assumption or the real rate of return assumption will change the discount rate. The sensitivity of the valuation results to the discount rate assumption depends on which component of the discount rate is changed. Shown below are various valuation results as of June 30, 2024, assuming alternate discount rates by changing the two components independently. Results are shown using the current discount rate of 6.8% as well as alternate discount rates of 5.8% and 7.8%. The rates of 5.8% and 7.8% were selected since they illustrate the impact of a 1.0% increase or decrease to the 6.8% assumption.

Sensitivity to the Discount Rate Due to Varying the Real Rate of Return Assumption

As of June 30, 2024	1% Lower Real Return Rate	Current Assumptions	1% Higher Real Return Rate
Discount Rate	5.8%	6.8%	7.8%
Price Inflation	2.3%	2.3%	2.3%
Real Rate of Return	3.5%	4.5%	5.5%
a) Total Normal Cost			
Rate Plan 3366	21.40%	17.12%	13.84%
Rate Plan 27250	19.63%	15.68%	12.68%
b) Accrued Liability	\$11,126,670	\$9,822,135	\$8,743,314
c) Market Value of Assets	\$9,347,197	\$9,347,197	\$9,347,197
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$1,779,473	\$474,938	(\$603,883)
e) Funded Ratio	84.0%	95.2%	106.9%

Sensitivity to the Discount Rate Due to Varying the Price Inflation Assumption

As of June 30, 2024	1% Lower Price Inflation	Current Assumptions	1% Higher Price Inflation
Discount Rate	5.8%	6.8%	7.8%
Price Inflation	1.3%	2.3%	3.3%
Real Rate of Return	4.5%	4.5%	4.5%
a) Total Normal Cost			
Rate Plan 3366	17.98%	17.12%	15.59%
Rate Plan 27250	16.54%	15.68%	14.26%
b) Accrued Liability	\$10,136,419	\$9,822,135	\$9,127,566
c) Market Value of Assets	\$9,347,197	\$9,347,197	\$9,347,197
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$789,222	\$474,938	(\$219,631)
e) Funded Ratio	92.2%	95.2%	102.4%

Mortality Rate Sensitivity

The following table looks at the change in the June 30, 2024, plan costs and funded status under two different longevity scenarios, namely assuming rates of post-retirement mortality are 10% lower or 10% higher than our current mortality assumptions adopted in 2021. This type of analysis highlights the impact on the plan of a change in the mortality assumption.

As of June 30, 2024	10% Lower Mortality Rates	Current Assumptions	10% Higher Mortality Rates
a) Total Normal Cost			
Rate Plan 3366	17.44%	17.12%	16.83%
Rate Plan 27250	15.95%	15.68%	15.43%
b) Accrued Liability	\$10,058,572	\$9,822,135	\$9,605,778
c) Market Value of Assets	\$9,347,197	\$9,347,197	\$9,347,197
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$711,375	\$474,938	\$258,581
e) Funded Ratio	92.9%	95.2%	97.3%

Maturity Measures

As pension plans mature they become more sensitive to risks. Understanding plan maturity and how it affects the ability of a pension plan sponsor to tolerate risk is important in understanding how the pension plan is impacted by investment return volatility, other economic variables and changes in longevity or other demographic assumptions.

Since it is the employer that bears the risk, it is appropriate to perform this analysis on a pension plan level considering all rate plans. The following measures include only the rate plans covered in this report. One way to look at the maturity level of CalPERS and its plans is to look at the ratio of a plan's retiree liability to its total liability. A pension plan in its infancy will have a very low ratio of retiree liability to total liability. As the plan matures, the ratio increases. A mature plan will often have a ratio above 60%-65%.

Ratio of Retiree Accrued Liability to Total Accrued Liability	June 30, 2023	June 30, 2024
1. Retiree Accrued Liability	\$5,507,060	\$5,593,515
2. Total Accrued Liability	\$9,268,754	\$9,822,135
3. Ratio of Retiree AL to Total AL [(1) ÷ (2)]	59%	57%

Another measure of the maturity level of CalPERS and its plans is the ratio of actives to retirees, also called the support ratio. A pension plan in its infancy will have a very high ratio of active to retired members. As the plan matures and members retire, the ratio declines. A mature plan will often have a ratio near or below one.

To calculate the support ratio for the rate plan, retirees and beneficiaries receiving a continuance are each counted as one, even though they may have only worked a portion of their careers as an active member of this rate plan. For this reason, the support ratio, while intuitive, may be less informative than the ratio of retiree liability to total accrued liability above.

For comparison, the support ratio for all CalPERS public agency plans as of June 30, 2023, was 0.78 and was calculated consistently with how it is for the individual rate plan. Note that to calculate the support ratio for all public agency plans, a retiree with service from more than one CalPERS agency is counted as a retiree more than once.

Support Ratio	June 30, 2023	June 30, 2024
1. Number of Actives	20	20
2. Number of Retirees	13	14
3. Support Ratio [(1) ÷ (2)]	1.54	1.43

Maturity Measures (continued)

The actuarial calculations supplied in this communication are based on various assumptions about long-term demographic and economic behavior. Unless these assumptions (e.g., terminations, deaths, disabilities, retirements, salary increases, investment return) are exactly realized each year, there will be differences on a year-to-year basis. The year-to-year differences between actual experience and the assumptions are called actuarial gains and losses and serve to lower or raise required employer contributions from one year to the next. Therefore, employer contributions will inevitably fluctuate, especially due to the ups and downs of investment returns.

Asset Volatility Ratio

Shown in the table below is the asset volatility ratio (AVR), which is the ratio of market value of assets to payroll. Plans that have a higher AVR experience more volatile employer contributions (as a percentage of payroll) due to investment return. For example, a plan with an AVR of 8 may experience twice the contribution volatility due to investment return volatility than a plan with an AVR of 4. It should be noted that this ratio is a measure of the current situation. It increases over time but generally tends to stabilize as a plan matures.

Liability Volatility Ratio

Also shown in the table below is the liability volatility ratio (LVR), which is the ratio of accrued liability to payroll. Plans that have a higher LVR experience more volatile employer contributions (as a percentage of payroll) due to changes in liability. For example, a plan with an LVR of 8 is expected to have twice the contribution volatility of a plan with an LVR of 4 when there is a change in accrued liability, such as when there is a change in actuarial assumptions. It should be noted that this ratio indicates a longer-term potential for contribution volatility, since the AVR, described above, will tend to move closer to the LVR as the funded ratio approaches 100%.

Contribution Volatility	June 30, 2023	June 30, 2024
1. Market Value of Assets	\$8,419,905	\$9,347,197
2. Payroll	\$1,291,580	\$1,493,849
3. Asset Volatility Ratio (AVR) [(1) ÷ (2)]	6.5	6.3
4. Accrued Liability	\$9,268,754	\$9,822,135
5. Liability Volatility Ratio (LVR) [(4) ÷ (2)]	7.2	6.6

Maturity Measures History

Valuation Date	Ratio of Retiree Accrued Liability to Total Accrued Liability	Support Ratio	Asset Volatility Ratio	Liability Volatility Ratio
06/30/2017	49%	2.67	4.7	5.1
06/30/2018	46%	2.44	5.1	5.6
06/30/2019	43%	2.44	5.0	5.5
06/30/2020	52%	2.10	5.5	6.1
06/30/2021	50%	2.00	7.0	6.4
06/30/2022	48%	2.00	5.6	6.0
06/30/2023	59%	1.54	6.5	7.2
06/30/2024	57%	1.43	6.3	6.6

Funded Status – Termination Basis

The funded status measured on a termination basis is an estimated range for the financial position of the plan had the contract with CalPERS been terminated as of June 30, 2024. The accrued liability on a termination basis (termination liability) is calculated differently from the plan’s ongoing funding liability. For the termination liability calculation, both compensation and service are frozen as of the valuation date and no future pay increases or service accruals are assumed. This measure of funded status is not appropriate for assessing the need for future employer contributions in the case of an ongoing plan, that is, for an employer that continues to provide CalPERS retirement benefits to active employees. Unlike the actuarial cost method used for ongoing plans, the termination liability is the present value of the benefits earned through the valuation date.

A more conservative investment policy and asset allocation strategy was adopted by the board for the Terminated Agency Pool. The Terminated Agency Pool has limited funding sources since no future employer contributions will be made. Therefore, expected benefit payments are secured by risk-free assets and benefits security for members is increased while limiting the funding risk. However, this asset allocation has a lower expected rate of return than the remainder of the PERF and consequently, a lower discount rate assumption. The lower discount rate for the Terminated Agency Pool results in higher liabilities for terminated plans.

The discount rate used for actual termination valuations is a weighted average of the 10-year and 30-year Treasury yields where the weights are based on matching asset and liability durations as of the termination date. The discount rates used in the following analysis is based on 20-year Treasury bonds, which is a good proxy for most plans. The discount rate upon contract termination will depend on actual Treasury rates on the date of termination, which varies over time, as demonstrated below.

Valuation Date	20-Year Treasury Rate	Valuation Date	20-Year Treasury Rate
06/30/2015	2.83%	06/30/2020	1.18%
06/30/2016	1.86%	06/30/2021	2.00%
06/30/2017	2.61%	06/30/2022	3.38%
06/30/2018	2.91%	06/30/2023	4.06%
06/30/2019	2.31%	06/30/2024	4.61%

As Treasury rates are variable, the table below shows a range for the termination liability using discount rates 1% below and above the 20-year Treasury rate on the valuation date. The price inflation assumption is the 20-year Treasury breakeven inflation rate, that is, the difference between the 20-year inflation indexed bond and the 20-year fixed-rate bond.

The Market Value of Assets (MVA) also varies with interest rates and will fluctuate depending on other market conditions on the date of termination. Since it is not possible to approximate how the MVA will change in different interest rate environments, the results below use the MVA as of the valuation date.

	Discount Rate: 3.61% Price Inflation: 2.45%	Discount Rate: 5.61% Price Inflation: 2.45%
1. Termination Liability ¹	\$13,414,776	\$10,386,834
2. Market Value of Assets (MVA)	9,347,197	9,347,197
3. Unfunded Termination Liability [(1) – (2)]	\$4,067,579	\$1,039,637
4. Funded Ratio [(2) ÷ (1)]	69.7%	90.0%

¹ The termination liabilities calculated above include a 5% contingency load. The contingency load and other actuarial assumptions can be found in Appendix A of the Section 2 report.

In order to terminate, first contact our Pension Contract Services unit to initiate a Resolution of Intent to Terminate. The completed Resolution will allow a CalPERS actuary to provide a preliminary termination valuation with a more up-to-date estimate of the plan’s assets and liabilities. Before beginning this process, please consult with a CalPERS actuary.

Funded Status – Low-Default-Risk Basis

Actuarial Standard of Practice (ASOP) No. 4, *Measuring Pension Obligations and Determining Pension Plan Costs or Contributions*, requires the disclosure of a low-default-risk obligation measure (LDROM) of benefit costs accrued as of the valuation date using a discount rate based on the yields of high quality fixed income securities with cash flows that replicate expected benefit payments. Conceptually, this measure represents the level at which financial markets would value the accrued plan costs, and would be approximately equal to the cost of a portfolio of low-default-risk bonds with similar financial characteristics to accrued plan costs.

As permitted in ASOP No. 4, the Actuarial Office uses the Entry Age Actuarial Cost Method to calculate the LDROM. This methodology is in line with the measure of “benefit entitlements” calculated by the Bureau of Economic Analysis and used by the Federal Reserve to report the indebtedness due to pensions of plan sponsors and, conversely, the household wealth due to pensions of plan members.

As shown below, the discount rate used for the LDROM is 5.35%, which is the Standard FTSE Pension Liability Index¹ discount rate as of June 30, 2024.

Selected Measures on a Low-Default-Risk Basis	June 30, 2024
Discount Rate	5.35%
1. Accrued Liability – Low-Default-Risk Basis (LDROM)	
a) Active Members	\$4,466,862
b) Transferred Members	273,131
c) Separated Members	723,625
d) Members and Beneficiaries Receiving Payments	6,338,489
e) Total	\$11,802,107
2. Market Value of Assets (MVA)	9,347,197
3. Unfunded Accrued Liability – Low-Default-Risk Basis [(1e) – (2)]	\$2,454,910
4. Unfunded Accrued Liability – Funding Policy Basis	474,938
5. Present Value of Unearned Investment Risk Premium [(3) – (4)]	\$1,979,972

The difference between the unfunded liabilities on a low-default-risk basis and on the funding policy basis represents the present value of the investment risk premium that must be earned in future years to keep future contributions for currently accrued plan costs at the levels anticipated by the funding policy.

Benefit security for members of the plan relies on a combination of the assets in the plan, the investment income generated from those assets, and the ability of the plan sponsor to make necessary future contributions. If future returns fall short of 6.8%, benefit security could be at risk without higher than currently anticipated future contributions.

The funded status on a low-default-risk basis is not appropriate for assessing the sufficiency of plan assets to cover the cost of settling the plan’s benefit obligations (see [Funded Status – Termination Basis](#)), nor is it appropriate for assessing the need for future contributions (see [Funded Status – Funding Policy Basis](#)).

¹ This index is based on a yield curve of hypothetical AA-rated zero-coupon corporate bonds whose maturities range from 6 months to 30 years. The index represents the single discount rate that would produce the same present value as discounting a standardized set of liability cash flows for a fully open pension plan using the yield curve. The liability cash flows are reasonably consistent with the pattern of benefits expected to be paid from the entire Public Employees’ Retirement Fund for current and former plan members. A different index, hence a different discount rate, may be needed to measure the LDROM for a subset of the fund, such as a single rate plan or a group of retirees.

Supplementary Information

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Normal Cost by Benefit Group

The table below displays the Total Normal Cost broken out by benefit group as of the valuation date, June 30, 2024. The Total Normal Cost is the annual cost of service accrual for the fiscal year for active employees and can be viewed as the long-term contribution rate for the benefits contracted. Generally, the normal cost for a benefit group subject to more generous benefit provisions will exceed the normal cost for a group with less generous benefits. Future measurements of the Total Normal Cost for each group may differ significantly from the current values due to such factors as: changes in economic and demographic assumptions, changes in plan benefits or applicable law.

Rate Plan Identifier	Benefit Group Name	Total Normal Cost as of June 30, 2024	Offset due to Employee Contributions as of June 30, 2024	Employer Normal Cost as of June 30, 2024	Number of Actives	Payroll on 6/30/2024
3366	Miscellaneous Plan	17.12%	6.94%	10.18%	8	\$706,572
27250	PEPRA Miscellaneous Plan	<u>15.68%</u>	<u>7.75%</u>	<u>7.93%</u>	<u>12</u>	<u>787,277</u>
	<i>Hypothetical Plan Totals¹</i>	16.36%	7.37%	8.99%	20	\$1,493,849

¹ The hypothetical employer normal cost and contribution rates for the total plan are provided for illustrative purposes only and are based on the payroll as of the valuation date. This snapshot of the cost of providing benefits can be compared from one valuation date to the next as members retire from older tiers and are replaced by members in new tiers. The employer normal cost rate for contribution purposes varies by rate plan and applies to the covered payroll of members in each respective rate plan.

Note that if a Benefit Group above has multiple bargaining units, each of which has separately contracted for different benefits such as Employer Paid Member Contributions, then the Normal Cost shown for the respective benefit level does not reflect those differences.

Summary of Valuation Data

The table below shows a summary of the plan's member data upon which this valuation is based:

	June 30, 2023	June 30, 2024
Active Members		
Counts	20	20
Average Attained Age	N/A	47.2
Average Entry Age to Rate Plan	N/A	37.3
Average Years of Credited Service	N/A	9.0
Average Annual Covered Pay	\$64,579	\$74,692
Annual Covered Payroll	\$1,291,580	\$1,493,849
Present Value of Future Payroll	\$13,580,140	\$14,868,333
Transferred Members		
Counts	4	4
Separated Members		
Counts	6	6
Retired Members and Beneficiaries*		
Counts	13	14
Average Annual Benefits	\$35,734	\$34,717
Total Annual Benefits	\$464,543	\$486,033

Counts of members included in the valuation are counts of the records processed by the valuation. Multiple records may exist for those who have service in more than one valuation group. This does not result in double counting of liabilities.

* Values include community property settlements.

Status of PEPRA Transition

The California Public Employees' Pension Reform Act of 2013 (PEPRA), which took effect in January 2013, changed CalPERS retirement benefits and placed compensation limits on new members joining CalPERS on or after January 1, 2013. One of the objectives of PEPRA was to improve the ability of employers to manage the costs of retirement benefits for their members. While such changes can reduce future benefit costs in a meaningful way, the full impact on employer contributions will not occur until all active members are subject to the rules and provisions of PEPRA. The table below illustrates the status of this transition as of June 30, 2024.

	Classic	PEPRA	PEPRA as a Percent of Total
Active Members			
Count	8	12	60.0%
Average Attained Age	52.4	43.7	
Average Entry Age	36.7	37.7	
Average Years of Credited Service	15.2	4.8	
Average Annual Covered Payroll	\$88,322	\$65,606	
Annual Covered Payroll	\$706,572	\$787,277	52.7%
Present Value of Future Payroll	\$6,306,057	\$8,562,276	57.6%
Transferred Members			
Count	2	2	50.0%
Separated Members			
Count	4	2	33.3%
Retired Members and Beneficiaries Receiving Payments			
Count	14	0	0.0%
Average Annual Benefit	\$34,717	\$0	
Total Annual Benefits	\$486,033	\$0	0.0%
Accrued Liabilities			
Active Members	\$2,612,837	\$809,458	23.7%
Transferred Members	170,293	16,563	8.9%
Separated Members	598,354	21,115	3.4%
Retired Members and Beneficiaries	<u>5,593,515</u>	<u>0</u>	<u>0.0%</u>
Total	\$8,974,999	\$847,136	8.6%

Surcharge for Class 1 Benefits

This plan has the following Class 1 benefit provisions which result in the surcharges indicated:

Class 1 benefit provisions

None

Plan's Major Benefit Options

Shown below is a summary of the major optional benefits for which the agency has contracted. A description of principal standard and optional plan provisions is in Section 2.

Rate Plan 3366	Benefit Group	
Member Category	Misc	
Demographics Actives Transfers/Separated Receiving	Yes Yes Yes	
Benefit Provision Benefit Formula Social Security Coverage Full/Modified Employee Contribution Rate Final Average Compensation Period Sick Leave Credit Non-Industrial Disability Industrial Disability Pre-Retirement Death Benefits Optional Settlement 2 1959 Survivor Benefit Level Special Alternate (firefighters) Post-Retirement Death Benefits Lump Sum Survivor Allowance (PRSA) COLA	2% @ 60 Yes Modified 7.00% Three Year Yes Standard No Yes No No No \$2,000 No 2%	

Plan's Major Benefit Options (Continued)

Shown below is a summary of the major optional benefits for which the agency has contracted. A description of principal standard and optional plan provisions is in Section 2.

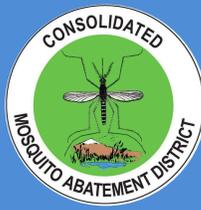
Rate Plan 27250	Benefit Group	
Member Category	Misc	
Demographics		
Actives	Yes	
Transfers/Separated	Yes	
Receiving	No	
Benefit Provision		
Benefit Formula	2% @ 62	
Social Security Coverage	Yes	
Full/Modified	Full	
Employee Contribution Rate	7.75%	
Final Average Compensation Period	Three Year	
Sick Leave Credit	Yes	
Non-Industrial Disability	Standard	
Industrial Disability	No	
Pre-Retirement Death Benefits		
Optional Settlement 2	Yes	
1959 Survivor Benefit Level	No	
Special	No	
Alternate (firefighters)	No	
Post-Retirement Death Benefits		
Lump Sum	\$2,000	
Survivor Allowance (PRSA)	No	
COLA	2%	

Section 2

California Public Employees' Retirement System

Risk Pool Actuarial Valuation Information

[Section 2](#) may be found on the CalPERS website (www.calpers.ca.gov) in the Forms & Publications section



August Summary Report



Inspections

5,725

↓ 15.6%

Change from previous month



Treatments

2,400

↓ 20.7%



Positive Samples

34

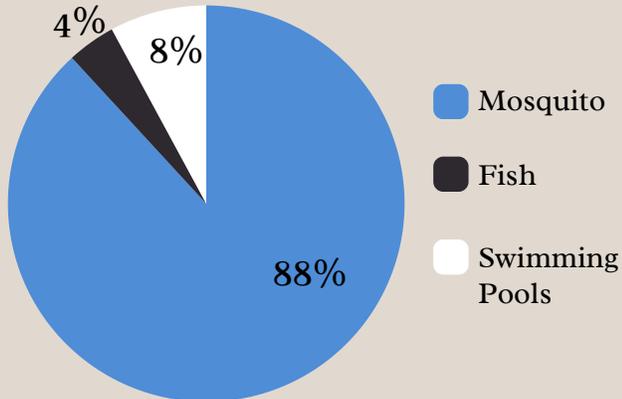
Total for the year

54

In August, the District partnered with the Fresno County Department of Public Health and neighboring mosquito abatement districts to issue a joint press release on August 8 announcing the first confirmed human case of West Nile virus in Fresno County for 2025.

The District also held a successful community outreach event in Parlier on August 12, where staff engaged residents on the District's Sterile Insect Technique (SIT) program. The event provided education, direct interaction with staff, and built trust within the community as the District continues its innovative mosquito control work with the release of sterile male mosquitoes.

Service Request Type



Mosquito Control Technician Leighton talking to Parlier residents at an outreach event.

2025 Request for Service

