

CONSOLIDATED MOSQUITO ABATEMENT DISTRICT

13151 E. Industrial Dr., Parlier, CA 93648

559-896-1085 | www.mosquitobuzz.net

Board of Trustees Meeting

Monday, March 18, 2024

1:00PM

AGENDA

1. Roll Call:

2. Introduction of Visitors:

The public may address the Board on each agenda item during consideration of that item.

3. 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.

4. 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 February Minutes

b. Approval of February Payroll

c. Approval of February Bills

5. Automotive Fleet Lease Option:

The Board will hear a presentation on an option to replace and upgrade the District's automotive fleet with a leased vehicle plan through Enterprise Fleet Management.

6. GovDeals Online Auction Memo of Understanding (MOU):

The Board will consider an online auction MOU with GovDeals for the sale of surplus district property.

7. Support to UC Mosquito Research Lab:

The Board will be asked to continue collaboration and support of mosquito research projects with Dr. Anthony Cornel and the University of California Mosquito Research Laboratory.

8. Purchase of Ultra-Low Temperature Freezer:

The Board will consider options for the purchase of a new ultra-low temperature freezer for the laboratory.

9. Selma Facility:

The Manager will provide an update on a meeting with the City of Selma for the lease of the Selma Facility.

10. 2023 Annual Report:

The Manager will distribute the 2023 Annual Report for review.

11. Meeting Reports:

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

12. 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.

13. Staff Reports:

This is an opportunity for staff to report on District activities.

14. Adjournment:

**Minutes of a Meeting of the Board of Trustees of the
Consolidated Mosquito Abatement District
February 20, 2024**

A special meeting of the Board of Trustees of the Consolidated Mosquito Abatement District was held at the District Office, in Parlier at 1:00 PM on February 20, 2024.

1. Roll Call:

Trustees Present:

Tokuo Fukuda	Kingsburg
Mary Anne Hill	County of Fresno
Abe Isaak	Reedley
Charles Lockhart	Orange Cove
Michelle Lopez	Parlier
Ward Scheitrum	Fresno
Charles Smith	Selma
Karen Steinhauer	Sanger
Bruce Taylor	County of Fresno
Jennifer Willems	Clovis

Trustees Absent:

Leonard Hammer	Fowler
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Others Present at the Parlier Office:

Jodi Holeman	District Manager
Karan Cox	Office Administrator

2. President Lockhart called the meeting to order at 1:01 PM:

3. Public Comments: None.

- 4. 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 January Minutes**
- B. Approval of January Payroll**
- C. Approval of January Bills**
- D. Quarterly Investment Report**

A motion was made by Trustee Isaak, seconded by Trustee Hill, and passed by unanimous vote to approve the items of General Consent.

5. **Authorization of Individuals to Sign District Checks:** A motion was made by Trustee Isaak, seconded by Trustee Willems unanimous vote to authorize Trustees Fukuda, Hammer, Hill, Isaak, Lockhart, Steinhauer, Taylor, Willems and District Manager Holeman to sign District checks and to authorize District Manager Holeman and Office Administrator Cox to pick up validated checks and blank check stock.

6. **Committee Appointments for 2024:** President Lockhart presented the following list of committees and members for 2024:

<u>Budget</u>	<u>Building</u>	<u>Equipment</u>	<u>Policy</u>
Fukuda	Fukuda	Isaak	Hammer
Hammer	Hill	Lopez	Lockhart*
Lockhart*	Isaak	Lockhart*	Steinhauer
Steinhauer	Lockhart*	Hill	Taylor
Taylor	Willems		Willems

7. **CalPERS Unfunded Liability:** A motion was made by Trustee Scheitrum, seconded by Trustee Taylor and passed by unanimous vote to approve additional discretionary lump sum payments of \$300,000 towards the District’s Classic Miscellaneous plan and \$25,000 towards the Pepra Miscellaneous plan.
8. **Resolution 01-2024 to Transfer Funds:** A motion was made by Trustee Taylor, seconded by Trustee Isaak and passed by a roll call vote of 10 – 0 – 1 (Hammer absent) to approve resolution 01-2024 “A Resolution of the Board of Trustees of the Consolidated Mosquito Abatement District to Transfer Monies from the Contingent Liability Reserve to the Retirement District’s Payment Account No. 6101-04.
9. **District Aerial Photography Services:** A motion was made by Trustee Isaak, seconded by Trustee Smith and passed by unanimous vote to approve a 12-month contract with NearMap and a flight contract with Aerial Services for aerial imagery in the amounts quoted.
10. **District Participation in Virtual Meeting:** A motion was made by Trustee Fukuda, seconded by Trustee Hill and passed by unanimous vote to approve the expenditure of funds for the Director of Science and Outreach to participate in the GSM Conference virtually.

11. **Resolution 02-2024 Employee Policy Handbook Amendments:** A motion was made by Trustee Lopez, seconded by Trustee Willems and passed by a roll call vote of 10 – 0 – 1 (Hammer absent) to approve resolution 02-2024 ““A Resolution of the Board of Trustees of the Consolidated Mosquito Abatement District Amending Employee Policy Handbook Sections 2020 “Employment” 2050 “Sick Leave” and 2070 “Other Leaves of Absence”” as amended.

12. **District Facilities:** The Board considered requests to sell and/or lease the Sanger and Selma facilities. The Manager will get more information and bring it before the Board at a future meeting.

13. **Meeting Reports:** Written reports were submitted by Trustee Fukuda, Vector Management Specialist Brisco, Area Supervisor Cornel, Vector Biologist Deegan and Urban Program Coordinator Hill and oral reports were given by Trustees Hill, Taylor and Willems and District Manager Holeman on their attendance at the MVCAC Annual Meeting on January 21 – 24, 2024 in Monterey, Ca.

14. **Board General Discussion:** Trustee Lopez requested the District have an informational booth at the 2024 Parlier Roundup on April 26 – 28, 2024 and Trustee Lockhart made a request for an informational booth at the annual Orange Blossom Festival in Orange Cove.

District Manger Holeman presented to the Board a dedication wall “Honoring a Legacy of Trustee Service”.

15. **Staff Reports:** District Manager Holeman gave the Board an update on the District’s current activities.

16. **Adjournment:** The meeting ended at 2:23 PM. The next Board meeting will be held on Monday, March 18, 2024.

Attested
Member, Board of Trustees

Consolidated Mosquito Abatement District
Payroll Expenses
February 2024

Check #	Gross Pay	Net Pay	Payee	Description
30157	\$3,124.00	\$2,128.98	Amy Garcia	Full-Time Employee
30158	\$3,425.50	\$2,277.41	Brittany Deegan	Full-Time Employee
30159	\$3,625.00	\$2,597.64	Chris Monis	Full-Time Employee
30160	\$3,805.50	\$2,712.89	Derek Hill	Full-Time Employee
30161	\$3,480.00	\$2,305.95	Devon Cornel	Full-Time Employee
30162	\$2,940.00	\$2,187.07	Donald McNeil	Full-Time Employee
30163	\$3,480.00	\$2,479.59	Gha Vang	Full-Time Employee
30164	\$6,041.67	\$3,863.16	Jodi Holeman	Full-Time Employee
30165	\$3,480.00	\$2,089.74	Jose Moreno	Full-Time Employee
30166	\$3,000.50	\$2,053.33	Jovana Benavides	Full-Time Employee
30167	\$3,777.00	\$2,714.65	Karan Cox	Full-Time Employee
30168	\$3,073.50	\$2,139.22	Katherine Brisco	Full-Time Employee
30169	\$4,726.50	\$2,947.49	Katherine Ramirez	Full-Time Employee
30197	\$3,124.00	\$2,128.96	Amy Garcia	Full-Time Employee
30198	\$912.00	\$731.18	Anita Munoz	Seasonal Employee
30199	\$2,174.16	\$1,580.31	Brittany Deegan	Full-Time Employee
30200	\$3,625.00	\$2,597.64	Chris Monis	Full-Time Employee
30201	\$3,805.50	\$2,715.19	Derek Hill	Full-Time Employee
30202	\$3,480.00	\$2,305.95	Devon Cornel	Full-Time Employee
30203	\$2,940.00	\$2,187.07	Donald McNeil	Full-Time Employee
30204	\$3,480.00	\$2,479.59	Gha Vang	Full-Time Employee
30205	\$6,041.67	\$3,864.07	Jodi Holeman	Full-Time Employee
30206	\$3,480.00	\$2,089.75	Jose Moreno	Full-Time Employee
30207	\$3,000.50	\$2,053.33	Jovana Benavides	Full-Time Employee
30208	\$3,777.00	\$2,714.64	Karan Cox	Full-Time Employee
30209	\$2,473.34	\$1,806.27	Katherine Brisco	Full-Time Employee
30210	\$4,726.50	\$2,947.48	Katherine Ramirez	Full-Time Employee
Total	\$95,018.84	\$64,698.55		

**Consolidated Mosquito Abatement District
Payroll Expenses
February 2024**

Employee Deductions and Liabilities

Check #	Amount	Payee	Description
30170	\$1,996.39	EDD	State Income Tax
30171	\$9,125.28	CMAD	Federal, Social Security, Medicare
30172	\$3,473.82	CalPERS	Retirement
30173	\$625.00	Mission Square	457K Retirement
30174	\$150.00	Valley First Credit Union	Credit Union
30176	\$71.68	Aflac	Disability Insurance
30177	\$151.44	Mutual of Omaha	Life Insurance
30224	\$1,845.47	EDD	State Income Tax
30225	\$8,705.21	CMAD	Federal, Social Security, Medicare
30211	\$3,401.00	CalPERS	Retirement
30212	\$625.00	Mission Square	457K Retirement
30213	\$150.00	Valley First Credit Union	Credit Union
Total Deductions	\$30,320.29		
Total Net Pay	\$64,698.55		
Total Gross Pay	\$95,018.84		

**Consolidated Mosquito Abatement District
Maintenance and Operations Expenses
February 2024**

Bank of the West Checks

Check #	Amount	Payee	Description
30171	\$3,677.28	CMAD	District Social Security & Medicare
30172	\$4,368.55	CalPERS	Retirement - District portion
30175	\$1,021.88	AT&T	Phone / internet - Parlier facility
30177	\$142.50	Mutual of Omaha	Life Insurance - District portion
30178	\$240.38	Karan Cox - Petty Cash	Misc cash purchases and reimbursements
30179	\$808.40	City of Parlier	Water sewer disposal - Parlier facility
30180	\$64.37	PG&E	Gas charges - Clovis facility
30181	\$411.38	PG&E	Electric charges - Clovis facility
30182	\$97.26	PG&E	Gas & electric charges - Selma facility
30183	\$15.53	PG&E	Electric charges - Selma facility
30184	\$102.23	City of Sanger	Water sewer disposal - Sanger facility
30185	\$15,093.20	SDRMA	Monthly health, dental & vision premium
30186	\$787.25	SoCal Gas	Gas charges - Parlier facility
30187	\$13.81	SoCal Gas	Gas charges - Westside facility
30188	\$1,909.70	Wex Bank - Valero	Fuel for District vehicles
30189	\$500.00	Western Scientific Company	Microscope maintenance
30190	\$320.66	Bruce Taylor	Travel expenses - VCJPA Annual Workshop
30191	\$87.50	Jodi Holeman	Travel expenses - VCJPA Annual Workshop
30192	\$87.50	Karan Cox	Travel expenses - VCJPA Annual Workshop
30193	\$1,543.70	Tokuo Fukuda	Travel expenses - AMCA Annual Meeting
30194	\$366.00	Jodi Holeman	Travel expenses - AMCA Annual Meeting
30195	\$328.00	Chris Monis	Travel expenses - AMCA Annual Meeting
30196	\$366.00	Katherine Ramirez	Travel expenses - AMCA Annual Meeting
30211	\$4,296.39	CalPERS	Retirement - District portion
30214	\$5,000.00	Carson Trailer	50% down payment on drone trailer
30215	\$43.95	DoorKing	Gate monthly cellular service
30216	\$14,835.00	Frontier Precision	FieldSeeker annual support & maintenance
30217	\$49.50	Matson Alarm Co., Inc.	Alarm system - Westside facility
30218	\$10,000.00	Nearmap	Aerial photography - 12 month subscription
30219	\$17.68	PG&E	Gas & electric charges - Sanger facility
30220	\$2,085.39	PG&E	Electric charges - Parlier facility
30221	\$37.73	Republic Services	Disposal - Clovis facility
30222	\$2,015.55	Verizon Wireless	Cell phones / tablets
30223	\$42.34	Waste Management	Disposal - Selma facility
30225	\$3,602.21	CMAD	Social security & medicare - District portion
30226	\$300.00	All-Pro Janitorial Services	Janitorial services - Parlier facility
30227	\$606.67	AT&T	Telephone / internet - Clovis facility
30228	\$185.48	AutoZone, Inc.	Repair parts
30229	\$197.55	Battery Systems, Inc.	Batteries

**Consolidated Mosquito Abatement District
Maintenance and Operations Expenses
February 2024**

Check #	Amount	Payee	Description
30230	\$39.26	California Water Service	Water - Selma facility
30231	\$287,590.79	City National Bank	Loan Payment - Parlier facility
30232	\$98.51	Dexter Distribution Group	Repair parts
30233	\$192.00	County of Fresno	Hazardous waste permit fees
30234	\$160.49	Grainger	Field equipment
30235	\$1,009.49	Jorgensen Company	Safety supplies
30236	\$45.00	Lee's Service	Tire disposal
30237	\$607.50	Lozano Smith	Legal fees
30238	\$330.00	Matson Alarm Co., Inc.	Alarm systems - Parlier, Clovis & Selma facilities
30239	\$1,548.21	Midstate Automotive Equipment	Vehicle lift repair
30240	\$1,349.50	Minuteman Press	Doorhanger printing
30241	\$649.36	Mission Uniform Service	Uniforms & safety
30242	\$403.21	Napa	Repair parts
30243	\$447.37	Nelson's Ace Hardware	Shop supplies / building & ground / misc supplies
30244	\$545.81	O'Reilly Auto Parts	Repair parts
30245	\$1,375.05	PBM Supply & Mfg, Inc.	Repair parts / field equipment
30246	\$1,580.00	Starace Mechanical Heating & AC	HVAC maintenance & repair
30247	\$432.34	Target Specialty Products	Herbicides
30248	\$5,608.68	U.S. Bank Corporate Payment	Credit card statement - see transaction list
30249	\$3,721.22	Verizon	Vehicle GPS Units - January & February
30250	\$62.94	Wizix Technology Group, Inc.	Copier maintenance & repair
30251	\$59,162.54	Target Specialty Products	Purchase of new drone
Total	\$442,627.79		

County of Fresno Checks

Check #	Amount	Payee	Description
304091	\$77,840.11	Consolidated Mosquito	Transfer funds to checking
304092	\$77,404.66	Consolidated Mosquito	Transfer funds to checking
306533	\$323,239.32	Consolidated Mosquito	Transfer funds to checking
306534	\$59,162.54	Consolidated Mosquito	Transfer funds to checking
	\$537,646.63		

Summary of February Expenses

February 2024 Salaries & Wages	\$95,018.84
February 2024 Maintenance & Operations	\$442,627.79
Total February 2024 Expenditures	\$537,646.63

**Consolidated Mosquito Abatement District
Monthly Expenditures**

ACCOUNT NUMBER	ACCOUNT NAME	BUDGET FY 2023/2024	SPENT TO DATE	BALANCE FEB 29, 2024
<u>SALARIES, WAGES & EMPLOYEE BENEFITS</u>				
6101-01	Salaried Wages	\$1,340,000.00	\$781,101.72	\$558,898.28
6101-06	Hourly Wages & Extra Help	\$730,000.00	\$336,260.31	\$393,739.69
6101-02	FICA Employers Contribution	\$162,000.00	\$85,560.30	\$76,439.70
6101-03	Unemployment Insurance	\$24,000.00	\$10,295.12	\$13,704.88
6101-04	Retirement District's Payment	\$475,000.00	\$80,960.46	\$394,039.54
6101-05	Group Health Insurance	\$300,000.00	\$151,044.64	\$148,955.36
6101-07	Pre-Employment & Misc. Expenses	\$8,000.00	\$1,274.92	\$6,725.08
	TOTALS	\$3,039,000.00	\$1,446,497.47	\$1,592,502.53
<u>OPERATING & MAINTENANCE SUPPLIES & EXPENSE</u>				
6102-01	Insecticides & Herbicides	\$500,000.00	\$324,794.08	\$175,205.92
6102-02	Power Spray & Field Equipment	\$25,000.00	\$10,960.23	\$14,039.77
6102-03	Misc Operating Supplies & Expense	\$5,000.00	\$2,611.23	\$2,388.77
6102-04	Fish Program	\$25,000.00	\$1,513.17	\$23,486.83
6102-05	Building & Ground Maintenance	\$30,000.00	\$19,678.20	\$10,321.80
6102-06	Airplane Expense	\$50,000.00	\$600.00	\$49,400.00
	TOTALS	\$635,000.00	\$360,156.91	\$274,843.09
<u>MOTOR VEHICLE SUPPLIES & EXPENSE</u>				
6103-01	Fuel & Lubricants	\$180,000.00	\$92,014.75	\$87,985.25
6103-02	Repairs & Shop Tools	\$45,000.00	\$25,002.24	\$19,997.76
6103-03	Tires & Batteries	\$12,000.00	\$7,969.30	\$4,030.70
	TOTALS	\$237,000.00	\$124,986.29	\$112,013.71
<u>UTILITIES & COMMUNICATIONS</u>				
6104-01	Heat, Light & Power	\$40,000.00	\$31,562.01	\$8,437.99
6104-04	Water Sewer & Disposal	\$18,000.00	\$10,505.46	\$7,494.54
6105-01	Telephone	\$25,000.00	\$14,569.15	\$10,430.85
6105-02	Cellular Phones & Tablets	\$30,000.00	\$16,290.93	\$13,709.07
	TOTALS	\$113,000.00	\$72,927.55	\$40,072.45
<u>OFFICE SUPPLIES & EXPENSE</u>				
6106-02	Postage, Printing & Stationery	\$6,000.00	\$2,020.83	\$3,979.17
6106-04	Repairs & Maintenance	\$6,000.00	\$2,087.80	\$3,912.20
6106-05	Misc Office Supplies	\$13,000.00	\$8,177.86	\$4,822.14
6106-06	Office Equipment & Furniture	\$10,000.00	\$1,425.56	\$8,574.44
	TOTALS	\$35,000.00	\$13,712.05	\$21,287.95
<u>INSURANCE</u>				
6107-01	Liability, Property & Auto	\$128,000.00	\$125,066.99	\$2,933.01
6107-02	Workers Compensation	\$80,000.00	\$78,467.01	\$1,532.99
	TOTALS	\$208,000.00	\$203,534.00	\$4,466.00

Consolidated Mosquito Abatement District Monthly Expenditures

ACCOUNT NUMBER	ACCOUNT NAME	BUDGET FY 2023/2024	SPENT TO DATE	BALANCE FEB 29, 2024
<u>TRAVEL & SUBSISTENCE EXPENSE</u>				
6108-01	Meetings & Travel Allowance	\$75,000.00	\$35,445.86	\$39,554.14
6108-02	Trustee Allowance	\$1,000.00	\$0.00	\$1,000.00
6108-03	Meal Allowance	\$8,000.00	\$341.78	\$7,658.22
	TOTALS	\$84,000.00	\$35,787.64	\$48,212.36
<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	\$32,000.00	\$18,536.50	\$13,463.50
6109-03	Education & Publicity	\$30,000.00	\$13,197.54	\$16,802.46
6109-04	Accounting	\$14,000.00	\$12,300.00	\$1,700.00
6109-05	Legal	\$12,000.00	\$2,892.76	\$9,107.24
6109-06	County Service Charge	\$63,000.00	\$0.00	\$63,000.00
6109-07	Uniforms, Safety Apparel & Equipment	\$32,000.00	\$9,755.10	\$22,244.90
6109-08	Surveillance & Research	\$65,000.00	\$25,733.25	\$39,266.75
6109-09	Other Miscellaneous Expenditures	\$18,000.00	\$4,919.18	\$13,080.82
6109-10	GIS & GPS	\$82,000.00	\$39,116.22	\$42,883.78
	TOTALS	\$350,000.00	\$126,450.55	\$223,549.45
TOTAL OPERATIONAL EXPENDITURES		\$4,701,000.00	\$2,384,052.46	\$2,316,947.54
<u>CAPITAL OUTLAY</u>				
6110-01	Office & Lab Furniture & Equipment	\$15,000.00	\$0.00	\$15,000.00
6110-02	Auto Equipment	\$500,000.00	\$0.00	\$500,000.00
6110-03	Shop Equipment	\$10,000.00	\$8,416.14	\$1,583.86
6110-04	Field Equipment	\$150,000.00	\$72,236.22	\$77,763.78
6110-05	Building & Ground Improvement	\$1,500,000.00	\$498,968.00	\$1,001,032.00
6110-06	Loan & Lease Purchase Payments	\$290,000.00	\$287,590.79	\$2,409.21
	TOTAL CAPITAL OUTLAY EXPENDITURE	\$2,465,000.00	\$867,211.15	\$1,597,788.85
TOTAL EXPENDITURES		\$7,166,000.00	\$3,251,263.61	\$3,914,736.39
<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>		\$175,000.00	\$0.00	\$175,000.00
<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>		\$3,126,000.00	\$0.00	\$3,126,000.00
	TOTAL RESERVES	\$6,051,000.00	\$0.00	\$6,051,000.00
TOTAL EXPENDITURES AND RESERVES		\$13,217,000.00	\$3,251,263.61	\$9,965,736.39

**Consolidated Mosquito Abatement District
Monthly Expenditures**

FRESNO COUNTY ACCOUNT- BANK OF THE WEST	
CASH ON HAND, JANUARY 31, 2024	\$9,186,014.79
PROPERTY TAXES WITHHELD BY FRS COUNTY	\$0.00
FEBRUARY REVENUE	\$22,256.69
FEBRUARY INTEREST	\$0.00
TAXES - FRESNO COUNTY / KINGS COUNTY	\$5,294.90
TOTAL REVENUE FOR JANUARY	<u>\$27,551.59</u>
SUB-TOTAL	\$9,213,566.38
COUNTY ADMIN COST FOR FY WITHHELD BY COUNTY	\$0.00
MONEY TRANSFERRED TO CHECKING	<u>(\$537,646.63)</u>
CASH ON HAND, FEBRUARY 29, 2024	\$8,675,919.75

YEARLY REVENUE THROUGH 01-31-24	\$2,623,828.07
FEBRUARY REVENUE	\$27,551.59
YEARLY REVENUE THROUGH 02-29-24	<u>\$2,651,379.66</u>

CMAD CHECKING ACCOUNT - BANK OF THE WEST	
CASH ON HAND, JANUARY 31, 2024	\$135,000.00
MONEY TRANSFERRED FROM FRS CO ACCT	\$537,646.63
FEBRUARY EXPENDITURES	(\$537,646.63)
CASH ON HAND, FEBRUARY 29, 2024	<u>\$135,000.00</u>

SALE OF REEDLEY DEPOT	\$185,000.00
DOWN PAYMENT	(\$25,000.00)
MONTHLY PAYMENTS PAID TO DATE	(\$46,438.00)
BALANCE DUE AS OF FEBRUARY 29, 2024	<u>\$113,562.00</u>



P.O. BOX 6343
FARGO ND 58125-6343



ACCOUNT NUMBER
STATEMENT DATE 03-06-2024
AMOUNT DUE \$5,608.68
NEW BALANCE \$5,608.68
PAYMENT DUE ON RECEIPT



000000348 01 SP 106481979322306 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	\$10,141.84	\$5,608.68	\$0.00	\$0.00	\$0.00	\$0.00	\$10,141.84	\$5,608.68

CORPORATE ACCOUNT ACTIVITY

CONSOLIDATED MOSQUITO				TOTAL CORPORATE ACTIVITY	
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
02-23	02-23	74798264054405400010186	PAYMENT-THANK YOU Q	10,141.84 PY	
				\$10,141.84CR	

NEW ACTIVITY

KATHERINE RAMIREZ XXXX		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
		\$0.00	\$1,133.88	\$0.00	\$1,133.88
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
02-08	02-08	24492164039000008801197	BUFFER PLAN HTTPSBUFFER.C CA	180.00	
02-13	02-12	24445004044000943560113	DOLLAR TREE SANGER CA	26.02	
02-13	02-12	24445004044000943560295	DOLLAR TREE FRESNO CA	48.86	
02-16	02-15	24391214046206300000331	UCD UCANR SRICHMOND@UCD CA	400.00	
02-23	02-22	24492164053000035283303	GOVT SOCIAL MEDIA LLC HTTPSGOVERNME NV	449.00	

CUSTOMER SERVICE CALL	ACCOUNT NUMBER		ACCOUNT SUMMARY	
	800-344-5696		PREVIOUS BALANCE	10,141.84
		PURCHASES & OTHER CHARGES	5,608.68	
	STATEMENT DATE	DISPUTED AMOUNT	CASH ADVANCES	.00
	03/06/24	.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 5,608.68		CREDITS	.00
			PAYMENTS	10,141.84
			ACCOUNT BALANCE	5,608.68



Company Name: CONSOLIDATED MOSQUITO
Corporate Account Number:
Statement Date: 03-06-2024

NEW ACTIVITY

Post Date	Tran Date	Reference Number	Transaction Description	Amount	
03-04	03-03	24035964064634001197487	AMERICAN AIR0010277094934 FORT WORTH TX RAMIREZ/KATHERINE 03-03-24 FAT AA N DFW	30.00	
CHRISTOPHER MONIS		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
XXXX		\$0.00	\$117.60	\$0.00	\$117.60
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
03-05	03-04	24055234065046921715417	CURB SVC - TAXI APP 718-756-1656 NY	87.60	
03-06	03-04	24035964065978000663893	AMERICAN AIR0010277155457 FORT WORTH TX MONIS CHRISTOPHER 03-04-24 EBC AA Y FEE	30.00	
KATHERINE BRISCO		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
XXXX		\$0.00	\$715.20	\$0.00	\$715.20
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
02-26	02-23	24035964054634001157293	AMERICAN AIR0012118727528 FORT WORTH TX BRISCO/KATHERINE 04-03-24 FAT AA S PHX MQ S FAT	715.20	
JOVANA BENAVIDES		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
XXXX		\$0.00	\$593.92	\$0.00	\$593.92
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
02-09	02-08	24011344039000053131649	UNDERWATER WAREHOUSE WWW.UNDERWATE NY	201.00	
02-12	02-10	24431064041083310059144	AMAZON.COM*RB0B02QM2 SEATTLE WA	37.71	
02-22	02-20	24943014052010181055309	HOMEDEPOT.COM 800-430-3376 GA	217.68	
02-22	02-20	24943014052010182183712	THE HOME DEPOT #8529 SELMA CA	63.68	
02-23	02-21	24943014053010180351468	HOMEDEPOT.COM 800-430-3376 GA	73.85	
KARAN COX		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
XXXX		\$0.00	\$847.23	\$0.00	\$847.23
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
02-07	02-07	24692164038101743887076	AMZN MKTP US*RB8KD7HJ0 AMZN.COM/BILL WA	12.74	
02-08	02-08	24692164039102514895834	AMAZON.COM*R27KR4RN1 AMZN.COM/BILL WA	16.60	
02-12	02-09	24137464041001666118719	USPS PO 0558560648 PARLIER CA	31.13	
02-13	02-13	24011344044000019214169	AMAZON RET* 112-800108 WWW.AMAZON.CO WA	42.48	
02-14	02-13	24692164044104001301642	AMAZON.COM*RI4MB8N52 AMZN.COM/BILL WA	14.08	
02-15	02-13	24323034045207179102618	INTERNATIONAL AGRICENTER 559-358-0156 CA	42.00	
02-16	02-15	24204294046001020718075	SUBWAY 14781 155-96469160 CA	26.45	
02-16	02-14	24323034046207179502568	INTERNATIONAL AGRICENTER 559-358-0156 CA	21.00	
02-21	02-20	24692164051109286551761	SQ *BELLA BAKERY KINGSBURG CA	18.00	



Company Name: CONSOLIDATED MOSQUITO
Corporate Account Number:
Statement Date: 03-06-2024

NEW ACTIVITY

Post Date	Tran Date	Reference Number	Transaction Description	Amount
02-26	02-23	24137464055001645497849	USPS PO 0528990401 FRESNO CA	68.00
02-27	02-26	24692164057104377003040	AMZN MKTP US*RW95W4W12 AMZN.COM/BILL WA	34.07
02-27	02-26	24692164057104380374065	AMZN MKTP US*RW61T7PO1 AMZN.COM/BILL WA	20.69
02-28	02-27	24019924058900016551030	QBSUPPORT 8009538509 800-9415167 DE	499.99

JOSE MORENO XXXX	CREDITS \$0.00	PURCHASES \$1,809.75	CASH ADV \$0.00	TOTAL ACTIVITY \$1,809.75
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Post Date	Tran Date	Reference Number	Transaction Description	Amount
02-07	02-05	24692164037101308617604	THE HOME DEPOT 8529 SELMA CA	495.00
02-12	02-08	24643724040030011826234	ARGO ADVENTURE 605-775-2917 SD	206.64
02-13	02-12	24801974044400414000049	J & E RESTAURANT SUPPLY FRESNO CA	199.66
02-16	02-16	24692164047105733238439	AMZN MKTP US*RI6V14VO2 AMZN.COM/BILL WA	27.19
02-19	02-16	24943014048010180495131	THE HOME DEPOT #8529 SELMA CA	130.08
02-20	02-19	24692164050108482955512	AMZN MKTP US*RI7DG4P21 AMZN.COM/BILL WA	18.62
02-22	02-21	24231684053091019866059	HARBOR FREIGHT TOOLS 600 CLOVIS CA	43.18
02-23	02-21	24943014053010185139983	THE HOME DEPOT #0664 CLOVIS CA	31.56
02-23	02-21	24943014053010185141484	THE HOME DEPOT #0664 CLOVIS CA	21.57
02-26	02-22	24137464055001645499092	TRACTOR SUPPLY CO #1883 DINUBA CA	81.36
02-29	02-27	24692164059105780827030	THE HOME DEPOT 8529 SELMA CA	81.33
03-01	03-01	24692164061107148939305	ULINE *SHIP SUPPLIES 800-295-5510 WI	473.56

JODI HOLEMAN XXXX	CREDITS \$0.00	PURCHASES \$391.10	CASH ADV \$0.00	TOTAL ACTIVITY \$391.10
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Post Date	Tran Date	Reference Number	Transaction Description	Amount
02-19	02-16	24137464048001616619967	CVS/PHARMACY #09377 REEDLEY CA	14.65
02-21	02-20	24431064052838002321375	PANDA EXPRESS #3219 CHOWCHILLA CA	12.62
02-22	02-21	24692164052100227053396	TST* STATEHOUSE OUTPOST SACRAMENTO CA	8.05
02-23	02-21	24013394053002464103534	LA BOU BAKERY & CAFE O ST SACRAMENTO CA	20.88
02-23	02-22	24445004053300647645634	INN OFF CAPITOL PARKCAC81 SACRAMENTO CA 0712131933 ARRIVAL: 02-21-24	36.00
02-23	02-22	24692164053100918238834	SQ *BURNSIDE COFFEE BAR A SACRAMENTO CA	7.50
02-23	02-22	24692164053101019463388	SQ *GOODSIDE COFFEE SACRAMENTO CA	20.70
02-23	02-23	24692164054101320565565	PANERA BREAD #601117 P TURLOCK CA	24.56
02-26	02-24	24430994055400811019405	MSFT * E0700R8S5D MSBILL.INFO WA	82.50
02-26	02-22	24789304054152300861058	ABM SACRAMENTO SACRAMENTO CA	15.00
03-04	03-02	24035964062634001157905	AMERICAN AIR0014429408345 FORT WORTH TX JODI HOLEMAN 03-03-24 FAT AA C DFW AA C FAT	30.00
03-04	03-02	24035964062634001157913	AMERICAN AIR0014429408344 FORT WORTH TX JODI HOLEMAN 03-03-24 FAT AA C DFW AA C FAT	30.00
03-04	03-04	24492154064713237612172	UBER TRIP HELP.UBER.COM CA	70.76
03-06	03-06	24492154066713619666489	UBER TRIP HELP.UBER.COM CA	17.88



Company Name: CONSOLIDATED MOSQUITO
Corporate Account Number:
Statement Date: 03-06-2024

Department: 00000 Total:	\$5,608.68
Division: 00000 Total:	\$5,608.68

							CMAD	
Name	Date	Reference Number	Merchant Name	Amount	Item Description	Account #	Purchase Purpose	
K. Ramirez	2024/02/08	2449216403900008801197	BUFFER PLAN	\$180.00	Buffer	6109-03	Social media manager	
K. Ramirez	2024/02/12	24445004044000943560295	DOLLAR TREE	\$48.86	Plastic containers	6109-08	mosquito emergence container	
K. Ramirez	2024/02/12	24445004044000943560113	DOLLAR TREE	\$26.02	plastic containers, funnels	6109-08	mosquito emergence container	
K. Ramirez	2024/02/15	24391214046206300000331	UCD UCANR	\$400.00	UC IPM Training	6109-03	trainer the trainer - pesticides	
K. Ramirez	2024/02/22	24492164053000035283303	GOVT SOCIAL MEDIA	\$449.00	Registration fee	6109-03	virtual training	
K. Ramirez	2024/03/03	24035964064634001197487	AMERICAN AIR001027	\$30.00	checked baggage fee	6108-01	AMCA Annual Meeting	
C. Monis	2024/03/04	24055234065046921715417	CURB SVC - TAXI APP	\$87.60	transportation	6108-01	AMCA Annual Meeting	
C. Monis	2024/03/04	24035964065978000663893	AMERICAN AIR001027	\$30.00	checked baggage fee	6108-01	AMCA Annual Meeting	
K. Brisco	2024/02/23	24035964054634001157293	AMERICAN AIR001211	\$715.20	Airfare	6108-01	2024 Pac-Vec Meeting	
J. Benavides	2024/02/08	24011344039000053131649	Underwater Warehouse	\$201.00	AquaFinn MinnFinn Max	6102-04	medication for mosquitofish	
J. Benavides	2024/02/10	24431064041083310059144	AMAZON.COM*RB0B	\$37.71	Bondo fiberglass resin	6102-04	repair fish tanks	
J. Benavides	2024/02/20	24943014052010181055309	HOMEDEPOT.COM	\$217.68	5 gal. Homer bucket	6102-04	fish transport	
J. Benavides	2024/02/20	24943014052010182183712	THE HOME DEPOT	\$63.68	MAXBLUE 6 LB chlorine tabs	6102-04	fish supplies	
J. Benavides	2024/02/21	24943014053010180351468	HOMEDEPOT.COM	\$73.85	5 gal. Bucket lids	6102-04	fish transport	
K. Cox	2024/02/07	24692164038101743887076	AMZN MKTP US*RB8	\$12.74	Spidercase for iphone	6106-05	replacement phone case	
K. Cox	2024/02/08	24692164039102514895834	AMAZON.COM*R27K	\$16.60	Combat Roach Killing Bait	6102-05	insect control	
K. Cox	2024/02/09	24137464041001666118719	USPS PO 0558560648	\$31.13	First-Class Lg Env	6106-02	postage to mail Board packet	
K. Cox	2024/02/13	24011344044000019214169	AMAZON RET* 112-80	\$42.48	9X12 envelopes 10X13 envel	6106-05	office supplies	
K. Cox	2024/02/13	24323034045207179102618	Int'l Agricenter	\$42.00	World Ag Expo admission	6109-03	2 staff tickets	
K. Cox	2024/02/13	24692164044104001301642	AMAZON.COM*R14M	\$14.08	Amazon Basics Micro SDXC	6106-05	office supplies	
K. Cox	2024/02/14	24323034046207179502568	Int'l Agricenter	\$21.00	World Ag Expo admission	6109-03	1 staff ticket	
K. Cox	2024/02/15	24204294046001020718075	SUBWAY 14781	\$26.45	sandwiches	6103-02	lunch mtng - Holeman & C. Lockhart	
K. Cox	2024/02/20	24692164051109286551761	SQ *BELLA BAKERY	\$18.00	Cookie Dozen	6103-02	Board meeting refreshments	
K. Cox	2024/02/23	24137464055001645497849	USPS PO 0528990401	\$68.00	U.S. Flag Coil stamps	6106-02	postage	
K. Cox	2024/02/26	24692164057104377003040	AMZN MKTP US*RW9	\$34.07	Power Strip, Surge protector	6106-05	office supplies	
K. Cox	2024/02/26	24692164057104380374065	AMZN MKTP US*RW6	\$20.69	Plastic report covers w prongs	6106-05	office supplies	
K. Cox	2024/02/27	24019924058900016551030	QBSUPPORT 8009538	\$499.99	Annual Updates and support	6106-05	Quickbooks annual fee	
J. Moreno	2024/02/05	24692164037101308617604	THE HOME DEPOT	\$495.00	hand spotlights & batteries	6102-02	field equipment	
J. Moreno	2024/02/08	24643724040030011826234	ARGO ADVENTURE	\$206.64	shifter, drain plug v-belt	6103-02	repair parts	
J. Moreno	2024/02/12	24801974044400414000049	J&E Restaurant Supply	\$199.66	Ice machine supplies	6102-05	service ice machines	
J. Moreno	2024/02/16	24943014048010180495131	THE HOME DEPOT	\$130.08	4 x 10 IN CART TIRES	6102-05	replace worn out tires	
J. Moreno	2024/02/16	24692164047105733238439	AMZN MKTP US*R16V	\$27.19	Purell 64 Oz. sanitizer	6102-03	hand sanitizer for employees	
J. Moreno	2024/02/19	24692164050108482955512	AMZN MKTP US*R17D	\$18.62	30 Pack 4oz plastic bottles	6102-03	hand sanitizer container	
J. Moreno	2024/02/21	24231684053091019866059	Harbor Freight Tools	\$43.18	toolbox	6103-02	vehicle storage	
J. Moreno	2024/02/21	24943014053010185139983	THE HOME DEPOT	\$31.56	flat washer, stems	6102-05	repair water faucet - shop	
J. Moreno	2024/02/21	24943014053010185141484	THE HOME DEPOT	\$21.57	water meter shut off key	6102-05	Clovis facility faucet repair	
J. Moreno	2024/02/22	24137464055001645499092	TRACTOR SUPPLY	\$81.36	locking storage container	6103-02	vehicle storage container	
J. Moreno	2024/02/27	24692164059105780827030	THE HOME DEPOT	\$81.33	locking storage container	6103-02	vehicle storage container	

							CMAD	
Name	Date	Reference Number	Merchant Name	Amount	Item Description	Account #	Purchase Purpose	
J. Moreno	2024/03/01	24692164061107148939305	ULINE SHIP SUPPLIES	\$473.56	5 GAL NATURAL JERRICAN	6102-02	BVA oil vehicle storage	
J. Holeman	2024/02/16	24137464048001616619967	CVS/PHARMACY	\$14.65	photos	6106-05	photos for trustee wall display	
J. Holeman	2024/02/20	24431064052838002321375	PANDA EXPRESS	\$12.62	meals travel	6108-01	MVCAC Legislative days	
J. Holeman	2024/02/21	24013394053002464103534	La Bou Bakery & Café	\$20.88	meals travel	6108-01	MVCAC Legislative days	
J. Holeman	2024/02/21	24692164052100227053396	Statehouse Outpost	\$8.05	meals travel	6108-01	MVCAC Legislative days	
J. Holeman	2024/02/22	24445004053300647645634	Inn Off Capitol Park	\$36.00	meals travel	6108-01	MVCAC Legislative days	
J. Holeman	2024/02/22	24692164053101019463388	Goodside Coffee	\$20.70	Veggie V, winter spice latte	6108-01	MVCAC Legislative days	
J. Holeman	2024/02/22	24789304054152300861058	ABM Sacramento	\$15.00	Parking	6108-01	MVCAC Legislative days	
J. Holeman	2024/02/22	24692164053100918238834	Burnside Coffee Bar	\$7.50	Galactic Sauce Latte Ancho	6108-01	MVCAC Legislative days	
J. Holeman	2024/02/23	24692164054101320565565	PANERA BREAD	\$24.56	meals travel	6108-01	MVCAC Legislative days	
J. Holeman	2024/02/24	24430994055400811019405	MSFT * E0700R8S5D	\$82.50	Microsoft subscription	6106-05	mntly Microsoft subscription	
J. Holeman	2024/03/02	24035964062634001157905	AMERICAN AIR0014	\$30.00	checked baggage fee	6108-01	AMCA Annual Meeting - Fukuda	
J. Holeman	2024/03/02	24035964062634001157913	AMERICAN AIR0014	\$30.00	checked baggage fee	6108-01	AMCA Annual Meeting - Holeman	
J. Holeman	2024/03/04	24492154064713237612172	UBER TRIP	\$70.76	transportation	6108-01	AMCA Annual Meeting	
J. Holeman	2024/03/06	24492154066713619666489	UBER TRIP	\$17.88	transportation	6108-01	AMCA Annual Meeting	
Total				\$5,608.68				

6102-02	Spray, Field Equipment	\$968.56
6102-03	Misc Operating Expenses	\$45.81
6102-04	Fish Program	\$593.92
6102-05	Building & Ground Maint	\$399.47
6103-02	Repairs & Shop Supplies	\$456.96
6106-02	Postage	\$99.13
6106-05	Office supplies	\$721.20
6108-01	Travel expenses	\$1,156.75
6109-03	Education & publicity	\$1,092.00
6109-08	surveillance	\$74.88
Total		\$5,608.68

Agenda Item 5: Automotive Fleet Lease Option

Background:

The Board will consider a program proposal from Enterprise Fleet Management for leasing vehicles for its fleet.

Fiscal Year	Vehicle Purchases
2012 - 2013	\$35,129
2013 - 2014	\$81,268
2014 - 2015	\$71,238
2015 - 2016	\$46,558
2016 - 2017	\$42,603
2017 - 2018	\$64,184
2018 - 2019	\$67,111
2019 - 2020	\$97,646
2020 - 2021	\$193,495
2021 - 2022	\$0
2022 - 2023	\$0
2023 - 2024*	\$436,913.79
Average	\$94,679
* not yet invoiced	

Action Requested:

The manager will discuss implementing a Fleet Management agreement in the 24/25 fiscal year budget with the board during budgeting.

CMAD Fleet		On the Program	
Year	Model	No	Yes
2002	Ford Ranger 4X4	1	
2003	Jeep Wrangler RHD	1	
2005	Ford F150 2WD	1	
	Ford F350 4X4	1	
	Jeep Wrangler RHD	2	
2006	Jeep Wrangler RHD	2	
2007	Chevy Silverado 4X4		2
2008	Ford Expedition 4WD	1	
	GMC Canyon 4X4		1
	Jeep Wrangler RHD	1	
2009	Chevy Colorado 4X4		3
2010	Ford F150 4X4	1	2
2011	Ford F150 4X4		1
	Ford F150 4X4	1	1
2012	Chevy Colorado 4X4		1
	Ford F150 2WD		1
2013	Ford F150 2WD		1
2014	Ford Expedition 4WD	1	
	Ford F150 4X4		2
2015	Ford Explorer 4WD		1
	Ford F150 2WD		2
2016	Ford F150 2WD Ext Cab		1
	Ford F350 4WD		1
2017	Ford F150 2WD		2
2018	Ford F150 2WD		2
	Ford F150 4X4		1
2019	Ford F150 2WD		3
2020	Ford F150 2WD		2
	Ford F150 4X4		2
2021	Ford F150 2WD		1
	Ford F150 4WD		5
	Ford F350 4X4	1	
	Grand Total	14	38



FLEET MANAGEMENT

Fleet Synopsis

PREPARED FOR:

Consolidated Mosquito Abatement District

[Joseph LeGrand](#)

FLEET CONSULTANT

832-851-6908 (office)

PHONE

Joseph.B.LeGrand@efleets.com

EMAIL



THE SITUATION

Current fleet age is negatively impacting the overall budget and fleet operations

- 42% of the current light and medium duty fleet is over 10 years old
- Resale of the aging fleet is significantly reduced
- Newer vehicles have a significantly lower maintenance expense
- Newer vehicles have increased fuel efficiency with new technology implementations
- Challenged by inconsistent yearly budgets
- Currently vehicle budget is underfunded

THE OBJECTIVES

Identify an effective vehicle life cycle that maximizes potential equity at time of resale creating a conservative savings of over \$837,844 in 10 years

- Shorten the current vehicle life cycle from 12.6 years to 5 years
- Provide a lower sustainable fleet cost that is predictable year over year
- Free up more than \$54,461 in capital from the salvage of 14 vehicles in the first year
- Significantly reduce Maintenance to an average monthly cost of \$50.97 vs. current \$191.6
- Reduce the overall fuel spend through more fuel efficient vehicles
- Leverage an open-ended lease to maximize cash flow opportunities and recognize equity.

Increase employee safety with newer vehicles

Currently:

- 0 vehicles predate Anti-Lock Brake standardization (2007)
- 10 vehicles predate Electronic Stability Control standardization (2012)
- 21 vehicles predate standardization of back up camera (2018)
- ESC is the most significant safety invention since the seatbelt

Piggyback The Sourcewell awarded RFP #060618-EFM that addresses the following:

- Access to all fleet management services as applicable to the needs of the city
- Supports the city's need for fleet evaluation on a quarterly basis assessing costs and reviewing best practices

THE RESULTS

By partnering with Enterprise Fleet Management, Consolidated Mosquito Abatement District will be better able to leverage its buying power, implement a tighter controlled resale program to lower total cost of ownership and in turn minimize operational spend. Consolidated Mosquito Abatement District will reduce fuel costs by 33% and reduce maintenance costs from \$191.6 on average to \$50.97 per unit. Leveraging an open-end lease maximizes cash flow and recognizes equity from vehicles sold creating an internal replacement fund. Furthermore, Consolidated Mosquito Abatement District will leverage Enterprise Fleet Management's ability to sell vehicles at an average of 109% above Black Book value. By shifting from reactively replacing inoperable vehicles to proactively planning vehicle purchases, Consolidated Mosquito Abatement District will be able to replace all of its vehicles over the course of 5 years while creating an annual savings of \$59,523.34

FLEET STATISTICS

FLEET SIZE

38

AVG AGE

8.4

AVG ANNUAL MILEAGE

9,200

AVG ANNUAL ACQUISITIONS

3.0

AVG MODEL YEAR

2015

HOLDING PERIOD

12.67



0K - 20k



20K - 40k



40K - 60k



60K - 80k

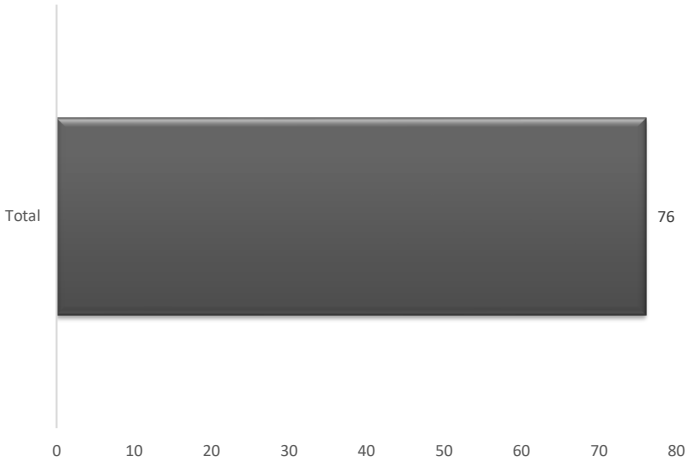


80K - 100k

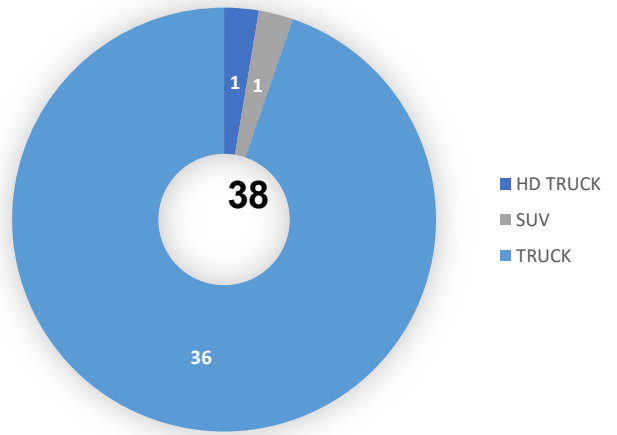


100k & >

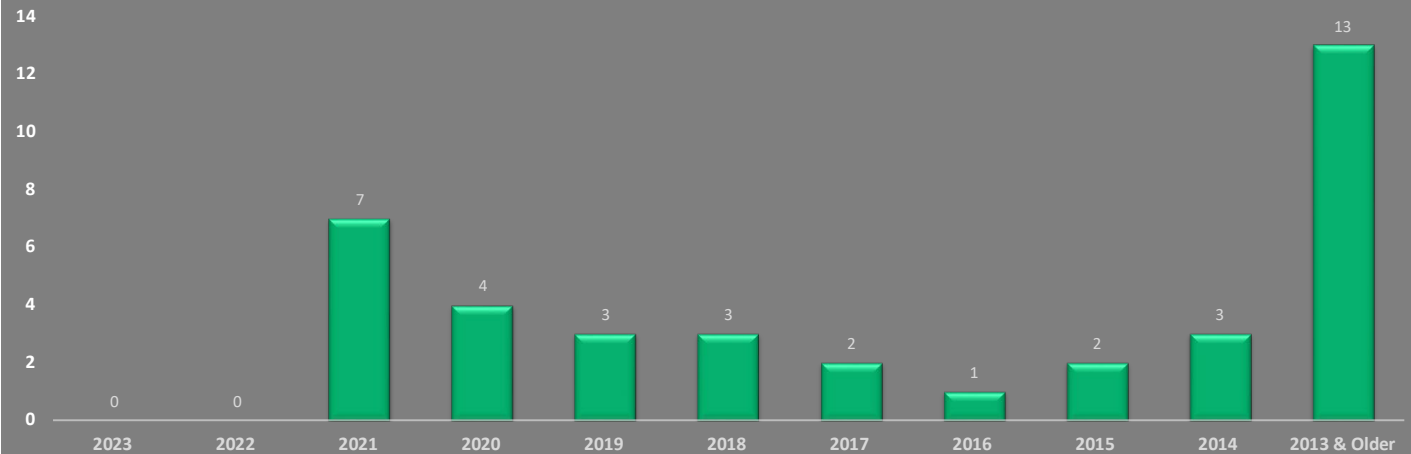
Manufacturers



Vehicle Class



Model Year Analysis

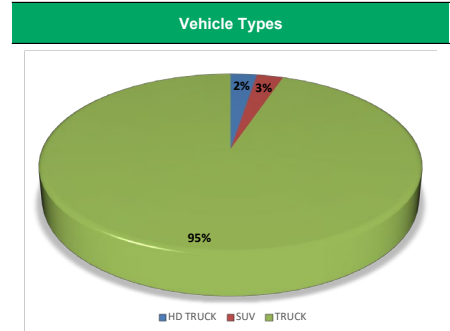


Fleet Planning Analysis | Consolidated Mosquito Abatement District

Fleet Profile Fleet Replacement Schedule Replacement Criteria

Vehicle Type	# of Type	Average Age (years)	Average Annual Mileage	2024	2025	2026	2027	2028	Under-Utilized
Full Size SUV 4x4	1	9.9	11,900	1	0	0	0	0	0
Compact Pickup Reg 4x4	5	14.5	7,700	4	1	0	0	0	0
1/2 Ton Pickup Reg 4x2	16	6.2	8,100	0	4	5	5	2	0
1/2 Ton Pickup Reg 4x4	14	9.0	11,000	8	0	0	2	4	0
1/2 Ton Pickup Ext 4x2	1	7.8	4,200	0	1	0	0	0	0
1 Ton Pickup Reg 4x4	1	2.8	11,700	0	0	0	0	1	0
Totals/Averages	38	8.4	9,200	13	6	5	7	7	0

* Fiscal Year 2025 = 8 years old and older, or odometer over 93,300
 * Fiscal Year 2026 = 6 years old and older, or odometer over 86,600
 * Fiscal Year 2027 = 4 years old and older, or odometer over 79,900
 * Fiscal Year 2028 = Remaining Vehicles
 * Underutilized = Annual Mileage less than



Current Fleet	38	Fleet Growth	0.60%	Proposed Fleet	38
Current Cycle	12.67	Annual Miles	9,200	Proposed Cycle	5.00
Current Maint.	\$191.67	Current MPG	\$0.00	Proposed Maint.	\$50.98
Maint. Cents Per Mile	\$0.25	Leased MPG	10	Price/Gallon	\$5.00

Fleet Costs Analysis

Fuel	48%
Maintenance	24%
Purchase	29%

Fleet Mix			Fleet Cost							Annual		
Fiscal Year	Fleet Size	Annual Needs	Owned	Leased	Purchase	Lease*	Equity (Owned)	Equity (Leased)	Maintenance	Fuel	Fleet Budget	Net Cash
Average	38	3	38	0	105,356	0	0	0	87,400	174,800	367,556	0
'24	38	13	24	14	0	106,516	-54,461		63,764	153,333	269,153	100,608
'25	38	6	18	20	0	154,681	-38,448		53,635	144,133	314,001	57,979
'26	38	5	13	25	0	193,938	-49,578		45,194	136,467	326,021	48,190
'27	38	7	6	32	0	248,899	-78,975		33,376	125,733	329,033	47,423
'28	38	7	-1	39	0	303,860	-132,738	-214,992	21,558	115,000	92,689	286,027
'29	38	13	0	39	0	303,860	0	-99,964	23,858	119,600	347,354	33,634
'30	38	6	0	39	0	303,860	0	-78,044	23,858	119,600	369,274	13,999
'31	38	5	0	39	0	303,860	0	-107,812	23,858	119,600	339,507	46,066
'32	38	7	0	39	0	303,860	0	-105,462	23,858	119,600	341,857	46,030
'33	38	7	0	39	0	303,860	0	-214,992	23,858	119,600	232,326	157,888

10 Year Savings	\$837,844
Net Sustainable Impact	\$59,523

* Lease Rates are conservative estimates
 **Estimated Current Fleet Equity is based on the current fleet "sight unseen" and can be adjusted after physical inspection
 Lease Maintenance costs are exclusive of tires unless noted on the lease rate quote.

CASE STUDY | CITY OF SAN MARCOS



The City of San Marcos Reduces Costs by 27% and Replaces Aging Vehicles.

BACKGROUND

Location: San Marcos, CA
Industry: Government
Total vehicles: 90 vehicles

THE CHALLENGE

Half of The City of San Marcos' vehicles were operating past their useful life. The City's fleet was deteriorating rapidly, and many of the vehicles needed to be replaced to mitigate escalating repair and maintenance costs. Budget challenges prevented the City from purchasing new vehicles. Major repairs reduced the number of available vehicles, and the City vehicle downtime was significantly affecting its operations. Maintenance costs continued to erode the budget and interfere with the efficiency of City operations.

THE SOLUTION

Enterprise Fleet Management evaluated the City's entire fleet to identify the most cost-effective way to replace its aging vehicles. Ten vehicles were identified as under-utilized and completely removed from service. By implementing an open-ended lease structure, the City was able to replace the remaining ninety vehicles within a three-year period. The program did not require a large initial outlay of funds. The City of San Marcos was not burdened with extensive capital requirements for vehicle replacement, allowing them to replace highly important, heavy-duty and emergency vehicles first.

"The Enterprise Fleet Management lease program has not only alleviated some of the maintenance burden placed on our lean fleet maintenance staff and budget, it has also provided a level of flexibility that allows my team to promptly address the City's dynamic fleet needs without sacrificing service."

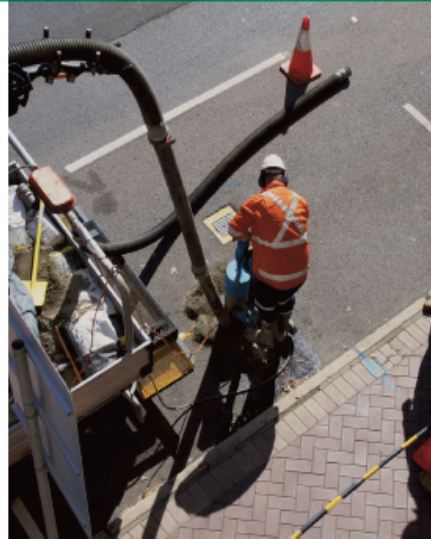
— Lisa Fowler, Public Works Manager- Administration & Fleet

The Full Maintenance Program provides a low fixed monthly cost, which is easily budgeted for every year. The program eliminates the need for City resources to work on the light-duty fleet, so the maintenance staff can solely focus on the heavy-duty equipment.

THE RESULTS

The partnership with Enterprise Fleet Management has significantly reduced the portions of the Public Works-Fleet Operations budget and the Vehicle Replacement fund that was affected by the declining condition of the light-duty fleet. The City realized a 27% decrease in the cost to purchase and maintain the light duty fleet. The program will result in a combined fund savings of \$1.1 million over a five-year period.

To learn more, visit efleets.com or call 877-23-FLEET.



Key Results

27%
DECREASE
IN FLEET COSTS



**RIGHT-SIZED
FLEET BY 10%**
FOR BETTER
UTILIZATION

**REPLACED
90 VEHICLES
OVER A 3-YEAR PERIOD**



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SAFETY

- 42% of all vehicles are older than 10 years of age and do not contain the most up to date safety features, such as electronic stability control, airbag standardization and anti-lock brake control.

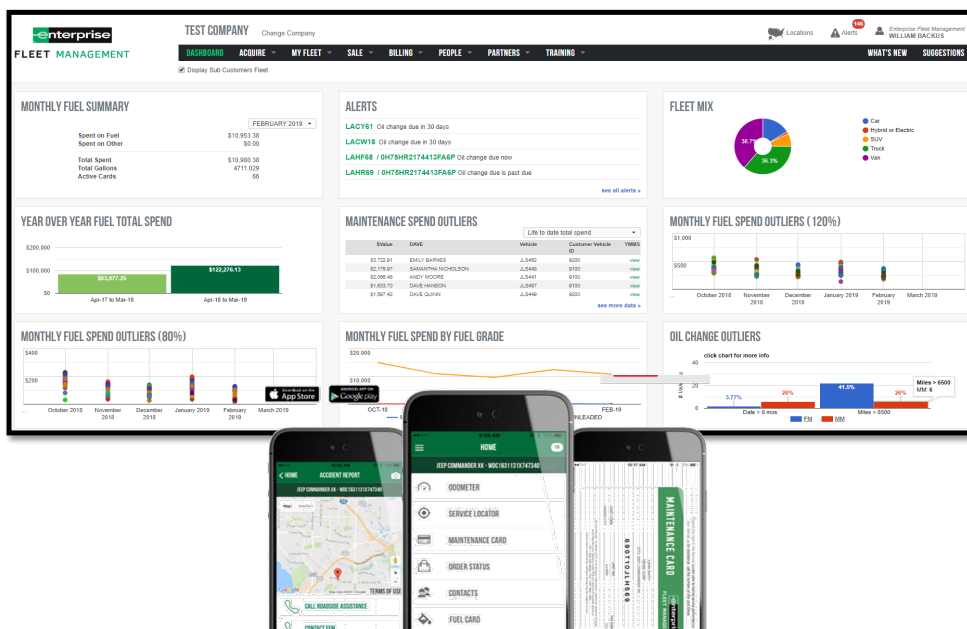
ACCOUNT MANAGEMENT

- Consolidated Mosquito Abatement District will have a dedicated, local account team to proactively manage and develop your fleet while delivering the highest level of customer service to facilitate your day-to-day needs.
- Your dedicated Account Team meets with you 3-4 times a year for both financial and strategic planning.
- Account team will provide on-going analysis – this will include most cost-effective vehicle makes/models, cents per mile, total cost of ownership, and replacement analysis.

TECHNOLOGY

Enterprise Fleet Management's website provides vehicle tracking, reporting, and metrics. Our website can be customized to view a wide range of data so that you may have a comprehensive and detailed look at all aspects of your fleet and the services provided. Our Mobile App gives drivers all of the convenience and functionality they need.

- Consolidated Invoices - Includes lease, maintenance, and any additional ancillaries
- Maintenance Utilization - Review the life-to-date maintenance per vehicle
- Recall Information - See which units have open recalls
- License & Registration - See which plate renewals are being processed by Enterprise and view status
- Alerts - Set customizable alerts for oil changes, lease renewals, license renewals, and billing data
- Lifecycle Analysis - See data regarding all transactions for the lifecycle of the entire fleet, with drill-down capability to specific lease or transaction



CURRENT PARTNERS

- Tehama County Department of Education
- City of Redding
- County of Kern
- King's Mosquito Abatement District
- City of Rancho Cordova
- County of Yuba
- City of Grass Valley
- Turlock Mosquito Abatement District
- Merced County Mosquito Abatement District
- City of San Marcos
- City of Eureka
- Butte County Office of Education
- Sacramento Metro Air Quality Management District
- City of Anderson

REFERENCES

Below is a list of client references including company name, contact person, and telephone number.

Turlock Mosquito Abatement District

Business Phone # (209) 609-8943 ext 201

Contact Person: Dave Heft, General Manager

King's Mosquito Abatement District

Business Phone # (559) 584-3326

Contact Person: Michael Cavanagh, General Manager

Merced County Mosquito Abatement District

Business Phone # (209) 722-1527

Contact Person: Rhiannon Jones, General Manager

COOPERATIVE PARTNERS:

- TIPS/TAPS USA
- SOURCEWELL
- E&I

Agenda Item 6: GovDeals Online Auction Memo of Understanding

Background:

GovDeals is partnered with the California Special Districts Association (CSDA) to provide special districts with a simple, transparent platform for buying and selling surplus items online. Historically, the district has focused on the auction and sale of surplus vehicles. GovDeals provides an easy-to-use platform that adheres to all government code requirements for the sale of surplus district property. The platform allows for the sale of any district property, not just vehicles. When office, field, or laboratory equipment or furniture reaches the end of its useful life as defined in resolution 02-2004, the District can utilize GovDeals to sell any surplus property.

Action Requested:

It is requested that the Board approve the manager to sign the GovDeals MOU for the sale of surplus district property.

Liquidity Services Operations LLC dba GovDeals

Online Auction Memo of Understanding

This Online Auction Memo of Understanding (MOU) is between Liquidity Services Operations LLC dba GovDeals, a Delaware corporation having its principal place of business at 6931 Arlington Road – Suite 460 – Bethesda, Maryland 20814 and the Consolidated Mosquito Abatement District (“Client”), having its principal place of business at 13151 E Industrial Dr – Parlier, California, 93648.

- 1.0 Description of Services:** GovDeals provides a means for Client to post assets for sale and for potential buyers to bid on these assets via an online auction system. Although GovDeals provides system access for Client to list assets, GovDeals is not a party to the actual sale and has no control over the listed information or the ability of the buyer and Client to complete the transaction.
- 2.0 GovDeals’ Responsibilities:** In addition to maintaining and operating an online auction system, GovDeals will provide Client with the following services for the period agreed to in **5.0** below:
 - 2.1** Access to a GovDeals online “Seller Asset Management” (SAM), which will allow Client to load assets to the online auction system, maintain information about assets and view and run reports. The SAM will provide Client with the following capabilities:
 - Accept descriptive information concerning an asset including unlimited photos
 - Allow different auction phases based upon dates and times
 - Allow Client to set minimum starting prices, bid increments and reserves
 - 2.2** Training and support services to assist Client in implementing the GovDeals online auction system, which will include:
 - Familiarization with the nature and operation of SAM
 - Guidance in the posting of assets and provide ongoing support
 - Procedures for taking and posting pictures of assets
 - Based on mutual agreement between GovDeals and Client, training and support services will be provided on-site or via telephone or Internet
 - 2.3** Help Desk support available via telephone or email during normal business hours, except announced holidays.
 - 2.4** Provide marketing of assets posted to the online auction site and promote use of the site to potential buyers.
 - Work with Client to identify items that may benefit from marketing attention.
 - Provide documented proof of all marketing efforts made on behalf of Client.
 - Assist in determining values and starting prices for unique and high value assets.
- 3.0 Fees:** The Client pays 0% and the winning bidder pays a 12.50% Buyers Premium.
- 4.0 Payment:**
 - 4.1** GovDeals will collect auction proceeds electronically via PayPal, credit card or wire transfer please review and complete **Exhibit A.**

- 4.2 Client shall promptly, but no more than fifteen (15) business days after the auction end date, notify GovDeals of any transaction that was not completed. The fees for said transaction shall be credited to Client during the next invoice period.
- 5.0 **Term of MOU:** This MOU shall commence on the date it is signed by the second party and will continue for a period of twelve months unless otherwise terminated upon sixty days written notice by either party. This MOU shall automatically extend for additional one-year periods, unless either party notifies the other in writing of its intent not to renew at least sixty days prior to the anniversary date.
- 6.0 **Terms and Conditions:** Please find **Exhibit B** attached as an example of suggested Client Terms and Conditions. At any time during the term of this MOU, Client may modify the Terms and Conditions. Any substitutions or modification must be submitted to GovDeals in writing before posting assets to the GovDeals auction site.
- 7.0 **Governance:** This MOU will be governed, interpreted, construed and enforced in accordance with the laws of the State of California.
- 8.0 **Non-Exclusive Engagement:** This MOU is not exclusive. Client may utilize other approaches, including traditional auctioneer services or sealed bids. However, it is understood and agreed that Client will not utilize other disposal approaches for an asset at the same time the asset is listed on the GovDeals online auction site or sell by some other means to a prior bidder any item currently or previously listed on the GovDeals site for the purpose of avoiding payment of the GovDeals fee. Client agrees to not manipulate or interfere with the bidding process on the GovDeals site.

This online auction memo of understanding is agreed to by:

GovDeals
 Signature: _____
 Print Name: Scott Starcher
 Title: Vice President of Operations
 Date: _____

Client: Consolidated Mosquito Abatement District
 Signature: _____
 Print Name: _____
 Title: _____
 Date: _____

Memo of Understanding Contact:

Attention: Sales Support
 6931 Arlington Road – Suite 460
 Bethesda, Maryland 20814
 Telephone Number: 866.377.1494
 Fax Number: 334.226.4415
 Email: salesupport@govdeals.com

EXHIBIT A - Online Auction Memo of Understanding

Financial Settlement Services (FSS)

It is understood the Client elects GovDeals to collect all proceeds due the Client from the winning bidder and remit the proceeds to the Client less the GovDeals fee

GovDeals will charge the winning bidder a "Buyer's Premium", therefore, the Client is not allowed to charge the winning bidder an additional "Buyer's Premium".

GovDeals will collect all proceeds from the winning bidder, including the "Buyer's Premium" through PayPal, credit card or wire transfer. This is the only means of payment by the bidder.

The Client will not release an asset to the winning bidder until the Client has received verification from GovDeals that payment has been received from the winning bidder. Prior to an item being released to the winning bidder, the Client will ensure the winning bidder or his/her agent has signed a "Bill of Sale" containing the following notation: "Asset is sold as is, where is and without warranty. Once the asset is removed from the seller's premises there is no refund of monies previously paid". The Bill of Sale must be printed from the Seller Asset Management (SAM). Any other "Bill of Sale" used by the Client must be submitted to GovDeals for approval.

No proceeds will be remitted to the Client for any asset sold without verification of payment from GovDeals and verification from the Client the item has been picked up by the winning bidder. Approved payment from the winning bidder through PayPal, credit card or wire transfer will be noted in SAM. It is the Client's responsibility to notify GovDeals when an item has been picked up, which is accomplished by the Client accessing SAM and selecting the "Picked Up" option from the "Paid, not picked up" report.

GovDeals will remit all proceeds collected, less the "Buyer's Premium" and the GovDeals fee to the Client on a weekly basis for all assets marked in SAM as 'Picked Up'. All proceeds will be remitted electronically by Automatic Clearing House (ACH). A detailed backup will be submitted to the Client to support the amount remitted.

Under no circumstance will the Client collect any proceeds directly from the winning bidder and if requested to do so, the Client should refer the winning bidder directly to GovDeals for payment instructions.

GovDeals will absorb all costs of Charge Backs by PayPal or a credit card company where an item is released to the winning bidder after the Client receives proper payment notification from GovDeals, GovDeals receives proper pickup notification from the Client and the Client obtained and retained a signed "Bill of Sale" from the winning bidder.

GovDeals will refund proceeds collected to the winning bidder in those rare occasions where the winning bidder pays for an asset but never picks it up and subsequently convinces PayPal or the credit card company to withdraw the amount from GovDeals' bank account. It is the Client's responsibility to request a credit on the asset paid for but not picked up as soon as the allowable pick up time passes. By taking the credit, it insures GovDeals will not charge the Client a fee and will allow the Client to resell the asset. If the asset is mistakenly placed in 'picked up' status by the Client and GovDeals has remitted payment, the Client agrees to refund this amount back to GovDeals.

A GovDeals' Client Services Representative or a GovDeals Help Desk Representative will train the Client on how to effectively use the Financial Settlement Services feature and provide ongoing support as needed. There are no additional costs to the Client for training and support.

GovDeals is covered by a Crime Insurance Policy with a limit of \$5,000,000, which will protect the Client against any loss of funds.

Financial Settlement Services (FSS) Remittance Information

Please complete information below:

This section must be completed when submitting the signed MOU back to GovDeals, as this is where GovDeals Payments to the Client will be made.

Accounting Contact: _____
(Person to receive invoices) Name and Title

E-Mail Address: _____

Phone Number: _____

Please provide the required information:

Name of Bank	
County of Bank	
Name of Client: (Name on bank account)	
Bank Routing Number	
Bank Account Number	
Checking/Savings	

**Consolidated Mosquito Abatement District
Parlier, California**

Online Sales - Terms and Conditions

All bidders and other participants of this service agree they have read and fully understand these terms and agree to be bound thereby.

Guaranty Waiver. All assets are offered for sale “AS IS, WHERE IS.” **Consolidated Mosquito Abatement District (Seller)** makes no warranty, guaranty or representation of any kind, expressed or implied, as to the merchantability or fitness for any purpose of the property offered for sale. The Buyer is not entitled to any payment for loss of profit or any other money damages – special, direct, indirect or consequential.

Description Warranty. **Seller** warrants to the Buyer the property offered for sale will conform to its description. Any claim for misdescription must be made prior to removal of the property. If **Seller** confirms the property does not conform to the description, **Seller** will keep the property and refund any money paid. The liability of the **Seller** shall not exceed the actual purchase price of the property. **Please note upon removal of the property, all sales are final.**

Personal and Property Risk. Persons attending during exhibition, sale, or removal of goods assume all risks of damage of or loss to person and property and specifically release the **Seller** and **GovDeals** from liability therefore.

Consideration of Bid. **Seller** reserves the right to reject any and all bids and to withdraw from sale any of the assets listed at any time until the Seller has received payment in full for the assets and Buyer has removed the assets from the Seller's premises in their entirety.

Buyer’s Certificate. If applicable, successful bidders will receive a Buyer’s Certificate by email from **GovDeals** as their notice of award.

Buyer’s Premium & Additional Fees. If a Buyer’s Premium and/or Additional Fees are shown on the auction page Bid Box, then that amount (expressed as a percentage of the final selling price or a specified amount) will be added to the final selling price of all items in addition to any taxes imposed.

Payment. Payment in full is due not later than **5 business days** from the time and date of the close of the auction. Please refer to the payment instructions listed on the auction page for complete payment terms and methods. Please refer to the Bid Box for all fees and taxes that may be associated with the auction.

State/Local Sales and/or Use Tax. Buyers may be subject to payment of State and/or local sales and/or use tax. Please review the Payment Instructions for all information related to Sales Tax and Tax Exemptions.

Removal. All assets must be removed within **ten (10) business days** from the time and date of the close of the auction. Purchases will be released only upon receipt of payment as specified. Successful buyers are responsible for loading and removal of any and all property awarded to them from the place where the property is located as indicated on the website and in the Buyer's Certificate. The Buyer will make all arrangements and perform all work necessary, including packing, loading and transportation of the property. Under no circumstances will **Seller** assume responsibility for packing, loading or shipping. See instructions on each auction page for complete removal details. A daily storage fee of \$25.00 may be charged for any item not removed within the ten (10) business days allowed and stated on the Buyer's Certificate.

Vehicle Titles. **Seller** will issue a title or certificate upon removal of the vehicle. Titles may be subject to restrictions as indicated in the asset description on the website.

Approval. Some Auctions/Sales are subject to Seller approval prior to award to the high bidder. Please review the auction/sale page for full terms of the sale and whether the final bid/sale is subject to approval.

Default. Default shall include (1) failure to observe these terms and conditions; (2) failure to make good and timely payment; or (3) failure to remove all assets within the specified time. Default may result in termination of the contract and suspension from participation in all future sales until the default has been cured. If the Buyer fails in the performance of their obligations, **Seller** may exercise such rights and may pursue such remedies as are provided by law. **Seller** reserves the right to reclaim and resell all items not removed by the specified removal date.

Acceptance of Terms and Conditions. By submitting a bid, the bidder agrees they have read, fully understand and accept these Terms and Conditions, and agree to pay for and remove the property, by the dates and times specified. These Terms and Conditions are available for review in the bid box at the top of each page of each asset listed on **GovDeals**. Specific Instructions (Payment, Removal, and Special) appearing on the asset page will override certain sections of these Terms and Conditions.

Sales to Employees. Employees of the **Seller** may bid on the property listed for auction, so long as they do NOT bid while on duty.

Agenda Item 7: Support to UC Mosquito Research Lab

Background:

The University of California, Davis, Mosquito Control Research Laboratory (MCR Lab) is housed at the UC Kearney Agricultural Center in Parlier. This proximity has allowed for close association and collaboration over the years between the District and the MCR Lab. The District seeks to leverage the benefits of having an experienced researcher to work with on an ongoing basis.

Dr. Anthony Cornel heads the MCR Lab and is active in mosquito research on state-wide and international levels. The District has routinely collaborated with and supported Dr. Cornel's research projects that provide direct benefits not only to the District but to mosquito control nationally. Most of the District's collaboration has been with in-kind support of staff time and materials focused on specific projects. Such projects have included the evaluation of the efficacy of insecticides for the control of adult and immature mosquitoes, insecticide resistance testing, dispersal of adult mosquitoes, and evaluation of mosquito traps and trapping schemes, as well as other projects.

The District did not conduct any field or laboratory evaluations in 2023 with Dr. Cornel but he kindly allowed District staff to use his laboratory to run bottle bioassays and provided susceptible colony mosquitoes. The District is interested in conducting field and laboratory trials this summer in collaboration with Dr. Cornel to measure insecticide resistance and changes to adult mosquito populations targeted by ULV spray applications at California State University Fresno.

In-kind support from the District has been beneficial to Dr. Cornel and allowed for expanded research efforts beyond limited resources. There has been a truly mutual benefit to the collaboration.

Action requested:

The Board is asked to approve the continuation of District collaboration and in-kind support of mosquito research projects with Dr. Anthony Cornel and the UC Mosquito Control Research Laboratory.

Agenda Item 8: Purchase of Ultra-Low Temperature Freezer

Background:

The current ultra-low temperature freezer in the District laboratory was purchased in 2007. The useful life of laboratory equipment is 7 years as defined in resolution 02-2004. The freezer has shown signs of wear and tear after years of continuous use. Technological advancements have improved energy efficiency, saving on operational costs and reducing environmental impact. Also, older freezers are more prone to breakdowns, risking the loss of valuable samples or research materials. The newer models offer enhanced features like improved temperature stability, better sample organization systems, and remote monitoring capabilities, crucial for maintaining sample integrity and facilitating research workflows. Upgrading ensures reliability and efficiency in our surveillance and research programs.

Action requested:

The Board will be asked to approve the purchase of an ultra-low temperature freezer.

Billing Address 979620-01

CONSOLIDATE MOSQUITO ABATEMENT DIST
 PO BOX 784
 13151 E INDUSTRIAL DR
 PARLIER CA 93648-9661
 U.S.A.

Quote#	Customer RFQ
402270197	WQ20240227N0022
Created	Validity
02/27/2024	ALL PRICES VALID 60 DAYS

Shipping Address 979620-01

CONSOLIDATE MOSQUITO ABATEMENT DIST
 PO BOX 784
 13151 E INDUSTRIAL DR
 PARLIER CA 93648-9661
 U.S.A.

Prepared For

KATHERINE RAMIREZ
 PHONE: 5598961085
 EMAIL: kramirez@mosquitobuzz.net

Thank you for the opportunity to serve you!

Payment Terms: NET 30 DAYS (SUBJECT TO CREDIT APPROVAL). FREIGHT CHARGES ARE NOT INCLUDED IN THIS QUOTE BUT WILL BE ADDED TO YOUR INVOICE, IF APPLICABLE.

Delivery Terms: 1-3 DAYS AFTER RECEIPT OF ORDER IF ITEMS ARE IN STOCK. SPECIFIC DELIVERY INFORMATION IS LISTED IN THE LINE ITEM DETAIL BELOW.

Shipment Method: FEDEX DOMESTIC PARCEL-GROUND

Quote Comments: THERE MAY BE A SLIGHT DELAY BEFORE THIS QUOTE APPEARS ON OUR WEBSITE.

Line	Qty	UOM	Item#	Description	Unit Weight	Current Lead Time	Unit Price	Extended Price
1	1	EA	EW-44146-45	TDE ULT 19.4 CUFT 208/230V *ADD NIST-TRACEABLE CALIBRATION ITEM# CQ-67800-01 FOR \$ 495.00 EACH. CANCEL/RETURN RULES MAY APPLY	732.000 LBS	18 Days	\$ 17,217.50	\$ 17,217.50



ESTIMATED PRODUCT NET WEIGHT (LBS):	732	ESTIMATED TOTAL US\$	17,217.50
ESTIMATED PRODUCT NET WEIGHT (KGS):	333	EST. TAX - ITEMS ONLY US\$	1,545.27
ESTIMATED PRODUCT GROSS WEIGHT (LBS):	842	SURCHARGE US\$	895.31
ESTIMATED PRODUCT GROSS WEIGHT (KGS):	382	EST. TOTAL AMOUNT US\$	19,658.08

ORDER NOW

Notes:

Quote#	Customer RFQ
402270197	WQ20240227N0022

TAX AMOUNT MAY BE ADJUSTED. ACTUAL TAX IS CALCULATED WHEN THE ORDER IS BILLED.

IF YOU WANT TO PAY VIA CREDIT CARD, PLEASE CALL COLE-PARMER AT 1-800-323-4340. IT IS NOT THE COMPANY'S POLICY TO ACCEPT CREDIT CARD ORDERS VIA EMAIL OR FAX.

THIS QUOTE HAS BEEN PREPARED FOR DOMESTIC USE AND SHIPMENT. IF THE ULTIMATE DESTINATION IS OTHER THAN THE U.S. OR CANADA, CONTACT OUR INTERNATIONAL DEPARTMENT AS ADDITIONAL REGULATIONS/LAWS MAY APPLY.

IN ORDER TO GUARANTEE THE PRICES QUOTED PLEASE REFERENCE THE QUOTATION NUMBER AT THE TOP OF THE PAGE WHEN PLACING YOUR ORDER.

DISCOUNTED PRICING IS ONLY VALID IF ALL ITEMS AND QUANTITIES QUOTED ARE ORDERED AT THE SAME TIME

ALL QUOTATIONS ARE SUBJECT TO COLE-PARMER'S TERMS AND CONDITIONS OF SALE, WHICH SHALL BE CONTROLLING IN THE EVENT OF A CONFLICT WITH TERMS AND CONDITIONS CONTAINED IN ANY DOCUMENT ISSUED BY THE BUYER.

FOR COMPLETE LIST OF TERMS PLEASE VISIT US AT

www.coleparmer.com/terms-and-conditions

STAY CURRENT ON WHAT IS IMPORTANT TO YOU! PLEASE CLICK HERE TO REGISTER OR UPDATE YOUR PROFILE AND COMMUNICATION PREFERENCES ON OUR WEB SITE!

<http://www.coleparmer.com/account/signin>

Thank you for choosing Cole-Parmer. If you have any questions, feel free to contact us at 1-800-323-4340.

Cole-Parmer

Quotes Department

Em: bids@coleparmer.com

Ph: 1-800-323-4340

Fx: 1-847-247-2929



Thermo Scientific TDE Ultra-Low Temperature Freezer, 19.4 cu ft; 208 to 230 VAC 60 Hz

Thermo Scientific - Mfr # TDE40086FD - Item # EW-44146-45

No Reviews [Write the First Review](#)

Store up to 60,000 samples securely, silently and sustainably

- H-drive Information Center (HIC) features easy-to-read temperature and simple capacitive touch buttons in a 5.6" display
- Handle capacities between 300 to 600 2-inch storage boxes
- Four inner doors allow easy sample access with limited external exposure to other contents
- Security features include alarm settings, pass code, and padlock-compatible doors
- Low peak variation ensures temperature protection throughout entire cabinet
- Compatible with most racking systems and cryoboxes
- Designed with 19.4 cubic ft capacity
- Runs on 208 to 230 VAC 60 Hz power
- 5 year warranty

\$20,970.00 USD / EACH

Usually Ships in 18 Days

Include Calibration Services
\$495.00 -
\$4,830.00 USD / each

PRODUCT OPTIONS

Specifications & Description

Freezer Capacity (cu ft)	19.4
Freezer Capacity (Liters)	546
Min Temperature - Freezer (° F)	-123
Max Temperature - Freezer (° F)	-58
Min Temperature - Freezer (° C)	-86
Max Temperature - Freezer (° C)	-50
Freezer Interior Width (in)	23 1/10
Freezer Interior Height (in)	51 1/5
Freezer Interior Depth (in)	28 19/64
Freezer Interior Width (cm)	58.8
Freezer Interior Height (cm)	130.1
Freezer Interior Depth (cm)	71.9
Exterior Width (in)	28 19/64
Exterior Height (in)	78
Exterior Depth (in)	38 1/2
Exterior Width (cm)	71.9
Exterior Height (cm)	198.1
Exterior Depth (cm)	97.7
Number of Doors	4
Number of Shelves	3
Number of Boxes	400
Alarm	Yes
Display	HIC touch-screen
Power (VAC)	208 to 230
Power (Hz)	60



KEY FEATURES

- H-drive Information Center (HIC) features easy-to-read temperature and simple capacitive touch buttons in a 5.6" display
- Handle capacities between 300 to 600 2-inch storage boxes
- Four inner doors allow easy sample access with limited external exposure to other contents
- Security features include alarm settings, pass code, and padlock-compatible doors
- Low peak variation ensures temperature protection throughout entire cabinet
- Compatible with most racking systems and cryoboxes
- Designed with 19.4 cubic ft capacity
- Runs on 208 to 230 VAC 60 Hz power
- 5 year warranty

MORE ABOUT THIS ITEM

With a small footprint, low noise output and lessened heat emissions that can reduce HVAC costs, these ultra-low temperature freezers provide a simple, sensible solution for your laboratory storage needs. No setup is needed; just plug the freezer in and it's ready to use.

Along with the HIC touch-screen interface, lab professionals will value single-handed door operation, the large eye-level display and shelf-level placement that doesn't require floor-level loading of racks. With SNAP-compliant natural hydrocarbon refrigerants, fast door-opening recovery times and estimated energy consumption as low as 10.7 kWh/day (depending on capacity), you'll also be making an environmentally-conscious choice.

Power (amps)	5.9
Power (Breaker)	15
Description	Ultra-Low Temperature Freezer, 19.4 cu ft; 208 to 230 VAC 60 Hz
Warranty	5 years

Cole-Parmer | 625 East Bunker Ct Vernon Hills, IL 60061 United States
Telephone: 1-800-323-4340 , 1-847-549-7600 | Fax: 1-847-247-2929 | Email: sales@coleparmer.com
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QUOTATION

Creation Date: 2/29/2024 11:32:16 AM

Toll Free: 800.743.5637
 EMAIL or FAX orders to:
orders@helmerinc.com
 317-773-9082

Quote #:
QUO-221396-M9H9R8
 Rev: 0

PLEASE REFER TO THIS QUOTE NUMBER ON ALL CORRESPONDENCES AND ORDERS

YOUR REPRESENTATIVE:
 Amanda Peik
 1-317-764-5213 Ext: 3814
 APeik@helmerinc.com

Requestor: Katherine Ramirez
 kramirez@mosquitobuzz.net
 5598961085

Facility ID:

Consolidated Mosquito Abatement District
 13151 E Industrial Dr
 Parlier CA 93648

Ship to:

CONTRACT	Health Clinic	
Terms: NO Days	FOB: Destination	Shipping Charge: Prepaid and Add
Effective Date	2024-02-29	
Expiration Date	2024-06-30	

Ln No	Part#	Model	Description / Details	QTY	Price Each	Total /Extended
1	5812118-1	iUF118-GX	iUF118-GX i.Series® Ultra-Low Freezer, 18 cu ft (510 Liters)	1	\$18,004.35	\$18,004.35
2	890050-2		TrueBlue Delivery and Set Up	1	\$1,552.42	\$1,552.42

Sub Total: \$19,556.77

Shipping Method: -

We accept Visa, Mastercard and American Express

Total Amount:

All prices are in USD

\$19,556.77

Notes:

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YOUR REPRESENTATIVE:
Amanda Peik
1-317-764-5213 Ext: 3814
APEik@helmerinc.com

This quotation is subject to Helmer Scientific's standard terms and conditions, please visit <https://www.helmerinc.com/terms/general>.

SHIPPING: Standard cost is dock-to-dock delivery. Inside delivery (white glove) and lift gate is an additional cost and will be quoted upon request.

ORDERING INSTRUCTIONS:

Purchase Orders: Email to orders@helmerinc.com or Fax to (317) 773-9082. Please include the Helmer Quote Number on your PO.

Credit Card Orders: Please contact Customer Service at: (800) 743-5637 (8-5 EST M-F) to provide information securely over the phone.

Helmer may request new customers and established customers complete our credit application to create or update current credit files. This requirement will be contingent on order amount and prior history with Helmer.

Domestic Warranties	i.Series and PRO			Horizon Series		
	Compressor	Parts	Labor	Compressor	Parts	Labor
Refrigerators	7 yrs.	2 yrs.	1 yr.	5 yrs.	2 yrs.	1 yr.
-30° Freezers	5 yrs.	2 yrs.	1 yr.	3 yrs.	2 yrs.	1 yr.
Ultra Low Freezers	5 yrs.	2 yrs.	2 yrs.			
Platelet Incubators	5 yrs.	2 yrs.	1 yr.			
Platelet Agitators	2 yrs. Parts, 1 yr. Labor					
Plasma Thawers	2 yrs. Parts, 1 yr Labor					
Cell Washers	2 yrs. Parts, 1 yr. Labor					
Centrifuges	5 yrs. Power Train, 2 yrs. Parts, 1 yr. Labor					

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YOUR REPRESENTATIVE:
Amanda Peik
1-317-764-5213 Ext: 3814
APeik@helmerinc.com

Configured As:

Line No: 1
Model: iUF118-GX
Item Number: 5812118-1
Description: iUF118-GX i.Series® Ultra-Low Freezer, 18 cu ft (510 Liters)

Part Number	Description	Qty	Price Each
5812118-1	iUF118-GX i.Series® Ultra-Low Freezer, 18 cu ft (510 Liters)	1	18,004.35
4010235-1	Power Option: 115V 60Hz (for i.Series® Ultra-Low Temperature Freezers, GX models, 18 cu ft)	1	0.00
4110006-1	Power Cord Option: 115V 60Hz NEMA 5-15	1	0.00
4020060-1	Exterior Option: Powder Coat, Helmer Blue (for i.Series® Ultra-Low Temperature Freezers, GX models, 18 cu ft)	1	0.00
4030067-1	Interior Option: Powder Coat, White (for i.Series® Ultra-Low Temperature Freezers, 18 cu ft)	1	0.00
4050034-1	Chart Recorder Option: None (for i.Series® Ultra-Low Temperature Freezers, 18 cu ft)	1	0.00
4060036-1	Lock: Integrated Electronic Access Control (for i.Series® Ultra-Low Temperature Freezers, 18 cu ft)	1	0.00
4070074-1	Outer Door: Right Hinge, Solid - with i.C3™ (for i.Series® Ultra-Low Temperature Freezers, 18 cu ft)	1	0.00
4100002-1	Inner Doors (5): Right Hinge, Insulated (for i.Series® Ultra-Low Temperature Freezers, 18 cu ft)	1	0.00
4090044-1	Storage Configuration: 5 Compartments / 4 Shelves (for i.Series® Ultra-Low Temperature Freezers, 18 cu ft)	1	0.00
4090044-1	Storage Configuration: 5 Compartments / 4 Shelves (for i.Series® Ultra-Low Temperature Freezers, 18 cu ft)	1	0.00
4090044-1	Storage Configuration: 5 Compartments / 4 Shelves (for i.Series® Ultra-Low Temperature Freezers, 18 cu ft)	1	0.00
4090044-1	Storage Configuration: 5 Compartments / 4 Shelves (for i.Series® Ultra-Low Temperature Freezers, 18 cu ft)	1	0.00
4140012-1	Documentation: Energy Star Certified Label	1	0.00



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YOUR REPRESENTATIVE:

Amanda Peik

1-317-764-5213 Ext: 3814





APeik@helmerinc.com

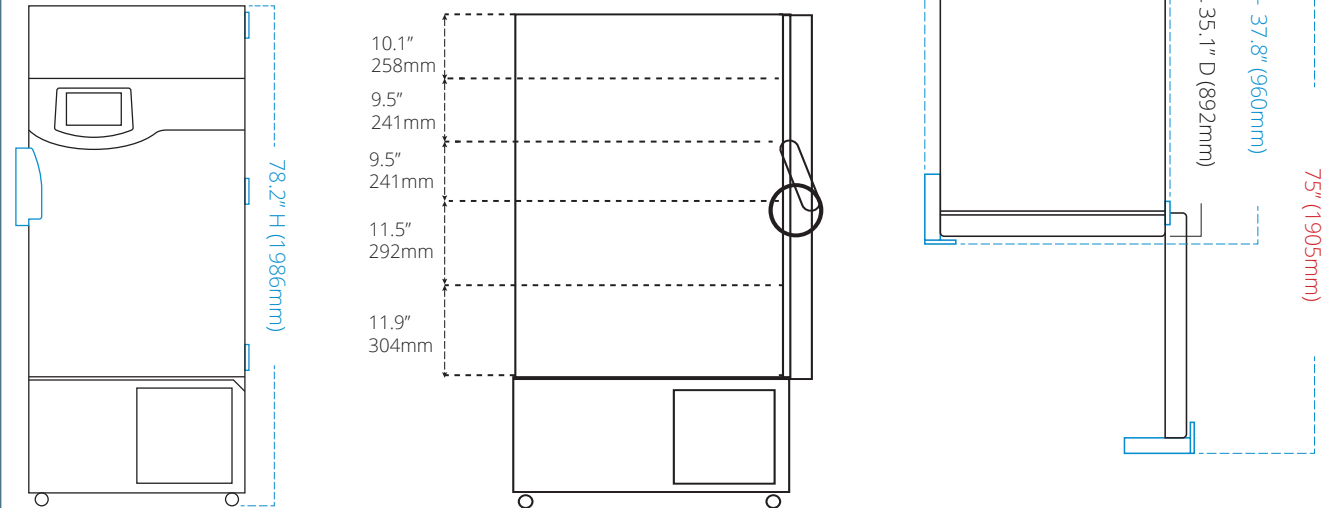
Total Price: \$18,004.35

Model Number
i.Series® iUF118-GX

Application, Rating, and Electrical Data		Typical Performance Characteristics at 25°C Ambient	
Application	Storage of biological samples including blood and tissue	Energy Consumption (kWhr/day @ -75°C)	9.63
Storage Volume/Capacity	18 cu ft (510 liters) / 352 standard 2" (51mm) boxes	Heat Rejection / Emission BTU/hr / Watts	2,311 / 677
Temperature Range	50°C to -86°C @ 22°C (72°F) Ambient	Noise Emission / Sound (dB)	58
Electrical Power	115V 60 Hz / 220-240V 50/60Hz	Average Temperature Variance (Uniformity) (°C) -70°C to -80°C setpoint @ 25°C to 32°C ambient Throughout operational/ambient range	8 10
Maximum Current	8.9A (115V) / 4.7A (220-240V)	15-sec Door Opening Recovery to -79°C (min)	38.9
Building Supply Rating	Grounded outlet on a dedicated circuit, meeting plug/cord ratings and electrical safety codes/req. 115V AC: 15 A (min) 220-240V AC: 10 A (min)	Peak Variation (Energy Star®) (°C)	16.56
Power Plug/Power Cord	NEMA 5-15 hospital-grade 115V 60Hz, 8-10 ft. (2.4-3M). Inquire about other plug/cord options.	Pull down Time (to -80C) (hrs)	8.75
Certification/Agency Listing	QPS (Certified to UL and CSA Standards) FDA Class II medical device	Warm Up Time (-80°C to -50°C) (min)	181
Application Environment	Indoor use only. Non-residential. Non-corrosive, non-flammable, non-explosive 15°C to 32°C (59°F to 90°F)		
Refrigeration System		iUF118-GX Uniformity (-80°C setpoint; 25°C ambient)	
Refrigeration System	Two Stage Cascade System		
Compressor/Number	1.0 HP hermetic, variable speed (VCC) / 2		
Condenser Type	Air-cooled fin and tube / 1		
Expansion Device	Cap tube - high and low stage		
Evaporator Type	Split, cold wall		
Defrost Method	Manual		
Refrigerant (Low/High Stage)	EU F-Gas and EPA SNAP compliant natural hydrocarbon refrigerants High Stage: R290 (propane) Low Stage: R170 (ethane) and R290 (propane)		
Environmental Impact	R170 GWP: 5.5 / ODP 0 R290 GWP: 3.3 / ODP 0		
Controller			
Interface	i.C3®, eye-level, color touchscreen		
Power Switch	On/Off with circuit breakers		
Controller Type	Microprocessor with touchscreen input and display. Includes USB hub for data retrieval		
Security	Lockable door, PIN access control, password setpoints, padlock hasp		
Compressor Safeguard	High ambient temperature warning, compressor and condenser over-temperature alarms		
Control Sensor	RTD (stainless steel) (1 ea)		
Communication Ports	USB, Remote alarm contacts, RJ45 (Ethernet). API available for Ethernet connectivity development		
Warm/Cold Alarms	Fully adjustable		
Logs	Event log (inc alarms and door openings), temperature log, access log, download via USB		
Battery Backup	20 hour display and alarm battery back-up for i.C3® touchscreen (12V, lead acid battery)		

Model Number
i.Series® iUF118-GX

Construction		Options / Accessories	
Insulation	Vacuum Insulated Panels	Chart Recorder	Racks Boxes Dividers Blood storage canisters/racks Vial storage boxes/racks Tube and microplate racks
Door / Seal	1, solid with vacuum relief port	Chart Paper	
Access Ports	2, external	LN2 and CO2 backup systems	
Perimeter Heater	Hot gas loop	Remote alarms	
Compartments / Inner Doors	5	Screen protectors	
Casters / Legs	Swivel, locking / leveling legs	USB flash drive	
		Cryo gloves	
		Temperature validation	
		Extended warranty	
Dimensions		Regulatory	
Interior (w x h x d) in mm	23 x 54 x 25.3 (585 x 1373 x 643)	   	
Exterior (w x h x d) in mm	28.9 x 78.2 x 35.1 (733 x 1986 x 892)		
Exterior (w x h x d) in mm Incl. handle, casters, hinge	32.5 x 78.2 x 37.8 (826 x 1986 x 960) Fits through std 36" (914 mm) doorway		
Shelves / Capacity (w x d) in mm	4 adj stainless steel, 22.5 x 21.8 (572 x 554) 160 lb (73kg) max cap.		
Net Weight / Shipping Weight	550 lb (249 kg) 645 lb (293 kg)		
Clearance Requirements	Allow 4" (102mm) behind unit Allow 8" (203mm) above unit Side clearance may be needed: - Allow 5" between left cabinet wall and facility wall for key lock access - Allow 7" between cabinet walls of adjacent freezers for unobstructed door swing		



Product Life Cycle - Designed to provide a 10 year service life
 Reli.Warranty (US/Canada) - 5 years compressor, 2 years parts and labor
 Warranty Outside US/Canada - Consult your local representative

Freezer performance in nominal and individual units may vary
 Freezer performance may differ due to product size, amount, and operating conditions

1300 Michael Drive, Suite A
 Wood Dale, IL 60191
 Telephone: 1-800-858-8442
 Fax: 630-238-0074

SALES QUOTATION

Quote Number: 20048575-1
Quote Date: 02-01-2024
Quote Expires: 03-02-2024
Customer Number: SELDBSD

PHC Corp of NA Accommodation

1300 Michael Drive Suite A
 WOOD DALE, IL 60191

Ship-to Address

Consolidated Mosquito Abatement District
 13151 E. Industrial Drive
 Parlier, CA 93648

Sales Representative

Name Bob Iddings
Phone 916-738-0236

Please make your purchase order to PHC Corporation of North America and reference this quote number. Orders may be emailed or faxed to:

email: biocustomerservice@us.phchd.com
Fax: 630-238-0074

We deliver according to the following terms and conditions:

Terms of payment: Cash in Advance
 Cash discount granted: .
 Terms of delivery: Prepaid - FOB Destination

Katherine Ramirez
 Phone: 559-356-6211
kramirez@mosquitobuzz.net

We are pleased to quote the following:

Currency: USD

Material Description	List Price	Discount	Your Price	Qty Unit	Total
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MDF-DU502VH-PA	19,324.00	6,956.00	12,368.00	1 PC	12,368.00
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VIP ECO ULT FREEZER UPRIGHT 18 CU.FT. - HC REFRIGERANT

PHCbi MODEL: MDF-DU502VH-PA

** 208 – 230V **



VIP ECO Upright Ultra Low Temperature Freezer with Natural Refrigerants, -86C, 18.6 cu. ft. (528L), Touch Panel, 208/230V, Space and Energy Saving V.I.P.® PLUS Insulated

Key Features:

- Low Energy Consumption less than 8 kWh/day (-80C, 24C ambient)
- PHCbi VIP PLUS insulation for small footprint
- Cryostorage box capacity of up to 384 two inch boxes, 256 three inch boxes
- Insulated sealing inner doors for temperature stability and reduced ice build up
- The EZlatch Door Handle is engineered to tolerate frequent door openings, simplify one-handed access, and control frost associated with extreme temperature differentials.
- Automatic Vacuum Release Port

Specifications:

- Settable Temperature Control Range of -50C to -86C in 1° increments

Please make your purchase order to PHC Corporation of North America and reference this quote number. Customers in California and Texas are further advised that PHC Corporation of North America, a registered Corporation in the State of Delaware, uses the dba of PHC Biomedical Sales and PHC Biomedical Sales Inc respectively in the states of California and Texas.

Taxes extra where applicable.

Thank you for your interest in PHC Corporation of North America products. We hope to serve you in the future!

Material	List Price	Discount	Your Price	Qty	Unit	Total
Description						
<ul style="list-style-type: none"> An eye-level door mounted color LCD touchscreen Temperature Uniformity of +/- 5C Exterior Dimensions (of main cabinet only, excluding handle and other external projections): W31.1 x D34.7 x H78.5 inch Interior Dimensions: W24.8 x D23.6 x H55.1 inch Natural (Hydrocarbon) Refrigerants Effective capacity: 528 L (18.6 cu.ft) Power Requirements of 208-230V/60Hz/single phase/15 amp breaker. (NEMA type 6-15R receptacle) Net Weight: 542 lbs. 						
<p>Accessories Included:</p> <ul style="list-style-type: none"> 3 stainless steel shelves (4 compartments) Set of 2 door keys for door lock Ice Scraper Vacuum port cleaning tool Operator's manual 						
<p>Warranty:</p> <ul style="list-style-type: none"> Five (5) years parts & labor on unit and five (5) years total for compressor parts 						
<p>Options:</p> <ul style="list-style-type: none"> LabAlert™ Cloud/ App Based Wireless Monitoring System Inner Door Kit with 5 Smaller Doors:MDF-5ID5-PW Inner Door Kit with 4 Smaller Doors: MDF-5ID4-PW Liquid CO2 Back-up System: MDF-UB7-PW Circular Type Chart Recorder: MTRC954 Circular Type Chart Recorder Paper: C7100386REV Circular Type Chart Recorder Ink Pen (Pack of 6): R252 Inventory Racks and Cryostorage Boxes N.I.S.T Calibration IQ/OQ/PQ Documents, FAT and Complete On-Site Validation 						

ENERGY_RE_CA_600	-600.00	0.00	-600.00	1	PC	-600.00
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California Instant Energy rebate

ENERGY_RE_CA_600

California Instant Energy Rebate (short description field)

PHC Corporation of North America is an equipment supplier participating in the California Foodservice Instant Rebates Program (the "Rebate Program"). Rebate Program eligibility will be verified by PHC Corporation of North America utilizing information provided on the Purchase Order prior to processing the Purchase Order and issuing an order confirmation. Purchase Orders must include the following information: Customer installation address, electricity service supplier name, and customer contact information including phone and email.

A \$600.00 instant rebate ("Rebate") is only available to customers in the state of California with an installation location within the Rebate Program area and equipment must be installed in a facility with an active commercial electricity service account with one of the electricity service suppliers (Pacific Gas and Electric Company, Southern California Edison Company and San Diego Gas & Electric Company) that sponsor the Rebate Program. Rebate subject to Terms and Conditions of the Rebate Program. The Rebate amount must be shown as a separate line on the Purchase Order sent to PHC Corporation of North America.

Authorized Distributors of PHC Corporation of North America must provide a copy of the invoice and/or quote to the end customer specifically showing the Rebate amount deducted from the end user purchase price. Only Purchase Orders received by PHC Corporation of America between January 15, 2023 and June 15, 2024 are eligible for the Rebate.

PHC Corporation of North America models that are eligible for the Rebate are limited to: MDF-DU502VH-PA, MDF-DU502VHA-PA, MDF-DU503VH-PA and MDF-DU503VHA-PA.

Please make your purchase order to PHC Corporation of North America and reference this quote number. Customers in California and Texas are further advised that PHC Corporation of North America, a registered Corporation in the State of Delaware, uses the dba of PHC Biomedical Sales and PHC Biomedical Sales Inc respectively in the states of California and Texas.

Taxes extra where applicable.

Thank you for your interest in PHC Corporation of North America products. We hope to serve you in the future!

Item Total	11,768.00
Handling Charges	0.00
Freight	778.00
Delivery	0.00
Total Tax	1,126.01
Grand Total	13,672.01

Please make your purchase order to PHC Corporation of North America and reference this quote number. Customers in California and Texas are further advised that PHC Corporation of North America, a registered Corporation in the State of Delaware, uses the dba of PHC Biomedical Sales and PHC Biomedical Sales Inc respectively in the states of California and Texas.

Taxes extra where applicable.

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MDF-DU502VH-PA

VIP® ECO

ENERGY STAR® Certified
Natural Refrigerant -86°C Freezer

MDF-DU502VH-PA, 220V
MDF-DU502VHA-PA, 115V

18.6 cu.ft. | 528 L



Ideal for new or replacement installations requiring a 115V or 220V connection, the VIP ECO 18.6 cu.ft. (528 L) upright ultra-low temperature freezer delivers the lowest daily energy usage.¹⁾ Performance, reliability and energy efficiency combine to secure your most valuable biological samples.

Performance and Reliability

The robust refrigeration system provides dependable cooling and temperature performance through specialty engineered heat transfer components and time tested natural refrigerants. Reserve refrigeration power assures exceptionally fast temperature recovery following door openings. Performance and reliability are never compromised when it comes to storing your valued products.

Energy Efficient,¹⁾ Balanced Power

Smart compressors, natural refrigerants and integrated electronics combine to lower your facility's operating costs.

- 0.35 kWh/cu.ft. Daily Energy Consumption
- 6.75 kWh/day, Steady State at -80°C
- 5.20 kWh/day, Steady State at -70°C

Temperature Uniformity

- ±1.38°C at -80°C
- ±2.51°C at -70°C

Security Control and Monitoring

An eye level, door mounted, color LCD touchscreen allows full user control while the USB port makes transferring logged data to a PC convenient. All performance attributes are displayed, plus an internal time/temperature log is expressed in graphic form.



Natural Refrigerants

Natural refrigerants minimize environmental impact without jeopardizing ultra-low temperature freezer performance.



EZlatch

EZlatch is the centerpiece of a holistic access and frost mitigation system. Simplified one-handed operation maintains the integrity of the door seal to assure energy efficiency.



Ease of Use

A full function display panel includes audible and visual warnings, unit diagnostics, temperature and door opening history.

¹⁾ Based on independent third-party testing at time of publication. ENERGY STAR test results for submitted products can be compared for performance across the competitive market. For results see the ENERGY STAR website www.energystar.gov/productfinder/product/certified-lab-grade-refrigeration/details/2303094. See Certification Number 4788321237.



VIP^{ECO} -86°C ULT Upright Freezer

MDF-DU502VH-PA, 220V MDF-DU502VHA-PA, 115V



The outer door gasket is easily removed and replaced without tools while the freezer remains in operation.

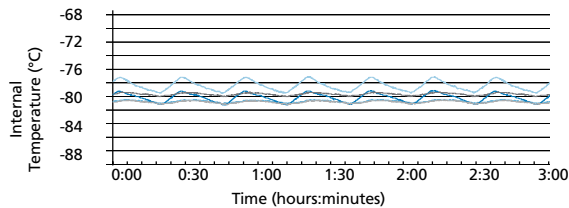
Model MDF-DU502VH-PA

Efficient Sample Storage

The upright cabinet design employs patented VIP Plus insulated panels that offer space efficiency. This allows the freezer cabinet to maximize storage space, holding up to 384, 2" boxes within a 7.49 sq.ft. (0.70 m²) footprint.

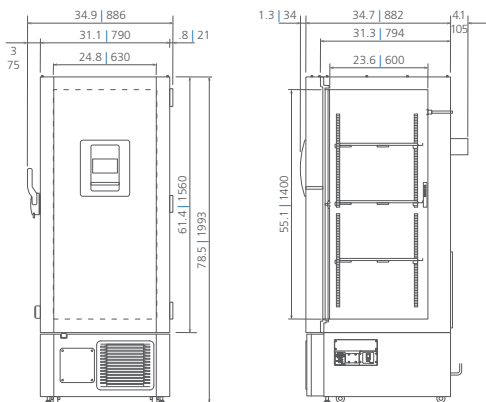
Temperature Uniformity Data:

-80°C setpoint at 23°C ambient temperature, empty freezer



Dimensions

Unit : inch | mm



*Note: External cabinet depth of 37.5" (952 mm) permits passage through a standard 38" (965 mm) doorway when rear stand-off brackets are removed, four screws. Bracket removal is not required for 40" (1016 mm) doorway.



PHC Corporation of North America
 1300 Michael Drive, Suite A, Wood Dale, IL 60191
 Toll Free USA (800) 858-8442, Fax (630) 238-0074
www.phcd.com/us/biomedical

Model Number		MDF-DU502VH-PA	MDF-DU502VHA-PA
External Dimensions (W x D x H) ¹⁾	inches mm	31.1 x 34.7 x 78.5 790 x 882 x 1993	
Internal Dimensions (W x D x H)	inches mm	24.8 x 23.6 x 55.1 630 x 600 x 1400	
Volume	cu.ft. liters	18.6 528	
Net Weight	lbs kg	542 246	
Capacity (2" boxes)	qty	384	
Capacity (3" boxes)	qty	256	
Inventory Racks (2" boxes)	qty	16	
Inventory Racks (3" boxes)	qty	16	



Performance			
Warranty ²⁾		5 years parts and labor	
Cooling Performance ³⁾	°C	-40 to -86	-50 to -86
Temperature Setting Range ³⁾	°C	-40 to -90 in 1° increments	-50 to -90 in 1° increments
Temperature Control Range ³⁾	°C	-40 to -90 in 1° increments	-50 to -90 in 1° increments

Control			
Controller		Microprocessor, touchscreen data entry, password protected	
Display		LCD color touchscreen	
Temperature Sensor		Pt-1000	

Refrigeration			
Refrigeration System		Synchronized variable speed cascade system	
Compressors	W	(2) 750, variable speed	
Refrigerant		High-stage R-290 natural refrigerant Low-stage R-170 natural refrigerant	
Insulation Thickness, Material	inches mm	3.1 80, foamed-in-place + VIP Plus vacuum insulated panels	

Construction			
Exterior Material		Painted electrogalvanized steel	
Interior Material		Powder coated electrogalvanized steel	
Outer Door	qty	1 (key lock with provision for optional pad lock)	
Inner Doors	qty	2 (insulated, ABS, stainless steel frames, positive latches)	
Shelves	qty	3 (adjustable)	
Shelf Dimensions (W x D)	inches mm	24.2 x 21.0 615 x 534	
Max. Load per Shelf	lbs kg	110 50	
Auto Vacuum Relief	qty	1: in door	
Manual Vacuum Relief	qty	1: lower left side	
Access Ports	qty	3: upper back wall (back-up system), bottom left (recorder sensor), bottom right (access)	
Access Port Diameter	inches mm	0.6 17	
Casters	qty	4 (2 leveling feet on front base)	

Alarms (V = Visual Alarm, B = Buzzer Alarm, R = Remote Alarm)			
Power Failure			V-B-R
Temperature (High and Low)			V-B-R
Sensor Failure			V-B-R
Filter Alarm			V-B
Door Open			V-B
Battery Check			V
Remote Alarm Contacts			DC 30V 2A (normally open, normally closed, common)

Electrical and Noise Level			
Power Supply	 	220V, 1Ø, NEMA 6-15P, requires NEMA 6-15R receptacle	115V, 1Ø, NEMA 5-20P, requires NEMA 5-20R receptacle
Noise Level ⁴⁾	dB(A)	46	

Options			
Inner Door Kit with 5 Smaller Doors ⁵⁾			MDF-5ID5-PW
Inner Door Kit with 4 Smaller Doors ⁵⁾			MDF-5ID4-PW
Liquid CO ₂ Back-Up System			MDF-UB7-PW

Temperature Recorder			
Circular Type	6", 7 day circular		MTRC954
Chart Paper	52 charts per box		C7100386REV
Ink Pen	pack of 6		R252

Optional Communication System			
Wireless, Cloud-Based, Automatic Data Management			LabAlert® Monitoring System

¹⁾ Exterior dimensions of main cabinet only, excluding handle and other external projections
²⁾ Current warranty offered at time of printing and may be subject to change; US and Canada only
³⁾ Air temperature measured at freezer center, ambient temperature +30°C, no load
⁴⁾ Actual value, background noise 20 dB(A)
⁵⁾ Installation of small inner door kit may affect usable storage capacity

Specifications are subject to change without notice.
 For latest specification information contact PHC Corporation of North America at info@phcd.com.
 Performance data herein is based on independent testing at time of publication.

