

**Administrative-Finance Committee**  
**\*RESCHEDULED\***  
**February 6, 2023**  
**6:30 p.m. – City Hall Conference Room**

- 1. Call to Order**
- 2. Public Comment**
- 3. New Business**
  - a. Clarke Mosquito**
  - b. Approval of Minutes – October 3, 2022**
- 4. Other Business**
- 5. Next Meeting – March 6, 2023**
- 6. Adjournment**

**AGENDA MEMO**  
**Administrative/Finance Committee**  
**February 6, 2023**

**ISSUE STATEMENT**

Consideration of a resolution to enter into an agreement with Clarke Mosquito for an additional three years.

**BACKGROUND/HISTORY**

Clarke Mosquito has been the contractor to control mosquito populations for the City of Darien for many years. There currently are no other alternatives for mosquito abatement and Clarke has prepared a three year proposal. The three year proposal is a minimal increase of less than 2% from the previous three year contract. This proposal is part of their EarthRight Program, a more environmentally friendly operation that reduces the City's carbon footprint as well as utilizes an EPA recognized larvicide called Natular.

**STAFF/COMMITTEE RECOMMENDATION**

Staff recommends entering into a three year contract with Clarke Mosquito under the EarthRight Environmental Mosquito Management Program at \$42,500 per year. It contains our costs over the next three years and is more environmentally friendly.

**ALTERNATE CONSIDERATION**

As directed

**DECISION MODE**

This item will be on the February 21, 2023 City Council meeting for formal approval.

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR TO ENTER INTO AN AGREEMENT WITH CLARKE MOSQUITO FOR AN ADDITIONAL THREE YEARS**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS**, as follows:

**SECTION 1:** The City Council of the City of Darien hereby authorizes the City Administrator to enter into an agreement with Clarke Mosquito for an additional three years, attached hereto as “Exhibit A”.

**SECTION 2:** This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

**PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS**, this 21<sup>st</sup> day of February 2023.

AYES: \_\_\_\_\_

NAYS: \_\_\_\_\_

ABSENT: \_\_\_\_\_

**APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS**, this 21<sup>st</sup> day of February 2023.

\_\_\_\_\_  
JOSEPH MARCHESE, MAYOR

ATTEST:

\_\_\_\_\_  
JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

\_\_\_\_\_  
CITY ATTORNEY



**Clarke Environmental Mosquito Management, Inc.,  
Professional Services Outline for  
The 2023-2025 City of Darien EarthRight  
Environmental Mosquito Management (EMM) Program**

**Part I. General Service**

- A. Aerial Survey and Geographic Information System (GIS) Mapping
- B. Computer System and Record Keeping Database
- C. Public Relations and Educational Brochures
- D. Mosquito Hotline Citizen Response – (800) 942-2555
- E. Comprehensive Insurance Coverage naming the City of Darien additionally insured
- F. Program Consulting and Quality Control Staff
- G. Monthly Operational Reports, Periodic Advisories, and Annual Report
- H. Regulatory compliance on local, state, and federal levels

**Part II. Surveillance and Monitoring**

- A. Floodwater Mosquito Migration Model:  
The use of weather data and computer model to predict the arrival of *Aedes vexans* brood (hatch) and peak annoyance periods. (Clarke will contact the City of Darien representative and inform him/her of the impending brood arrival.
- B. Arbovirus Surveillance:
  - 1. Clarke New Jersey Light Trap Network to monitor and evaluate adult mosquito activity.
- C. Weather Monitoring – Operational Forecasts

**Part III. Larval Control**

- A. Targeted Mosquito Management System (TMMS™) computer database and site management.
- B. Larval Site Monitoring: 12 inspections
  - 1. Four (4) complete inspections of up to 76 sites as outlined by most recent Clarke GIS Survey.
  - 2. Five (5) targeted inspections of up to 38 breeding areas as determined by the computerized Clarke Targeted Mosquito Management System™.
  - 3. Three (3) targeted inspections of up to 33 known *Culex spp.* breeding areas as determined by the computerized Clarke Targeted Mosquito Management System™.
  - 4. Inspections of sites called in by residents on the Mosquito Hotline.
- C. Prescription Larval Control will be performed with Natular™ mosquito larvicide as described in the following sections.
  - 1. Larval Control: The program provides for up to 73 acres of single brood or 30-day residual product with backpack or hand equipment or with helicopter.
  - 2. Larval Control: The program provides for 3 backpack pre-hatch treatments of up to 1.0 acres using a 30-day residual product in the “Dale Basin” area.



3. Larval Control: The program provides for treatment of 3 backpack pre-hatch treatments of up to 0.5 acres using a 30-day residual product in the “Chestnut Detention Basin” area near Lemont Road and 75<sup>th</sup> Street.
4. Helicopter Prehatch: Three (3) treatments using a 30-day residual product of up to 15.0 acres for floodwater mosquito control.
5. Larval Control: Stocking of 2,000 mosquito eating fish for biological control.
6. Catch Basins: Back Yard Catch Basins: One (1) treatment of up to 6 known backyard catch basins using Natular™ XRT for control of up to 180 days. As new backyard catch basins are identified via citizen feedback and City referrals, treatments will be performed, and the locations added to the master list for future residents.
7. Catch Basins: One treatment of up to 2,000 catch basins, inlets and manholes using Natular™ XRT for up to 180 day control. Post-treatment application maps depicting the catch basin locations will be provided to the City, upon request.

#### **Part IV. Adult Control**

- A. Adulticiding in mosquito harborage areas:
  1. Upon City authorization, backpack barrier treatments using a synthetic pyrethroid insecticide of festival and concession stand areas for residual control of adult mosquitoes.
- B. Adulticiding in Residential Areas:
  1. Upon City authorization, community-wide truck ULV treatments of up to 89.4 miles of streets using Merus™ a botanical insecticide. Any additional authorized community ULV treatments will be priced at \$8,970.00 per treatment.
- C. Adulticiding Operational Procedures
  1. Notification of community contact.
  2. Weather limit monitoring and compliance.
  3. Notification of residents on Clarke Call Notification List.
  4. ULV particle size evaluation.
  5. Insecticide dosage and quality control analysis.

**2023-2025 EarthRight Total Annual Price for Parts I, II, III, IV\*\***

**\$42,500.00**

**\*\*NPDES Permit:** A National Pollutant Discharge Elimination System (NPDES) permit is necessary for the execution of the work for mosquito control effective October 31, 2011. Any additional costs associated with activities and/or services that may be required by Clarke in order to comply with an NPDES permit are not included in this proposal.

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**Clarke Environmental Mosquito Management, Inc.,  
Client Agreement Authorization for  
The 2023-2025 City of Darien EarthRight  
Environmental Mosquito Management (EMM) Program**

I. **Program Payment Plan:** For Parts I, II, III, and IV as specified in the 2023-2025 Professional Services Price Outline, the total for the 2023-2025 program is \$42,500.00 per year. The payments will be due according to the payment schedule below. Any additional treatments beyond the core program will be invoiced when the treatment is completed. Pricing for the 2024 and 2025 seasons will be held at 2023 rates.

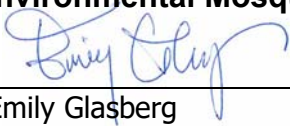
**PROGRAM PAYMENT PLAN (2023-2025)**

Month	2023	2024	2025
May 1	\$10,625.00	\$10,625.00	\$10,625.00
June 1	\$10,625.00	\$10,625.00	\$10,625.00
July 1	\$10,625.00	\$10,625.00	\$10,625.00
August 1	\$10,625.00	\$10,625.00	\$10,625.00
<b>TOTAL</b>	<b>\$42,500.00</b>	<b>\$42,500.00</b>	<b>\$42,500.00</b>

**For City of Darien:**

Sign Name: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**For Clarke Environmental Mosquito Management, Inc.:**

Name:  Title: Key Accounts Manager Date: 10/4/2022  
Emily Glasberg



EarthRight™

**Clarke Environmental Mosquito Management, Inc.,  
Client Authorization for  
The 2023-2025 City of Darien EarthRight  
Environmental Mosquito Management (EMM) Program**

**Administrative Information:**

**Invoices should be sent to:**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_  
Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ P.O. # \_\_\_\_\_  
E-mail: \_\_\_\_\_ County: \_\_\_\_\_

**\*\*In an effort to be more sustainable, we ask that you provide us with an  
Email address that the invoices should be sent to.\*\***

**Treatment Address (if different from above):**

County: \_\_\_\_\_

Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

**Contact Person for City of Darien:**

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Pager: \_\_\_\_\_

**Alternate Contact Person for City of Darien:**

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Pager: \_\_\_\_\_

**Please sign and return a copy of the complete contract for our files to:**

Clarke Environmental Mosquito Management, Inc., Attn: Emily Glasberg  
675 Sidwell Court, St Charles, IL 60174 or email to [eglasberg@clarke.com](mailto:eglasberg@clarke.com)

**City of Darien**  
**Minutes of the Administrative/Finance Committee**  
**October 3, 2022**

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Chairwoman/Alderswoman Sullivan called the Meeting to order at 6:30 pm. Committee members Aldermen Vaughan and Schauer were present. City Administrator Vana, and Treasurer Coren were also present.

**Tax Levy Determination**

Staff advised the attached ordinance requests a general corporate purpose (general fund=\$10,700) and special corporate levy (police pension fund=\$2,406,164) total of \$2,416,864 which represents a 4.99% increase over this year's non-bond extension \$2,301,864. I determined the levy for the police pension fund based on the actuary report conducted on the Police Pension Fund.

Additionally, a levy for any outstanding bonds has been filed upon the adoption of the bond ordinances. The 2021 levy amount to pay for the principal and interest on these bonds totaled \$881,815. The 2022 levy amount to pay for the principal and interest on these bonds totals \$804,320. After the water fund bond abatements, the total bond amount to be paid is \$112,420. Therefore, the total requested levy is \$2,529,284, which is slightly over last year's extension of \$2,500,438. In order to keep the levy the same as last year's extension, staff will present an additional Series 2015 bond abatement of \$28,846 from available funds. This will maintain the total levy request of \$2,500,438 which represents a 0% increase over last year's total levy.

**Minutes – September 6, 2022** – The committee unanimously approved the minutes.

**Adjournment** - The meeting adjourned at 6:41 p.m.

Approved:

Mary Sullivan, Chairwoman \_\_\_\_\_

Ted Schauer, Member \_\_\_\_\_

Lester Vaughan, Member \_\_\_\_\_