



# Agenda Item Executive Summary

Item Name      Clarke Mosquito Control Agreement -- Wayne      Committee  
Township      or Board      Board

## BUDGET IMPACT

*Amount:*      \$66,600 Per Year      *Budgeted*      \$72,000 Per Year

*List what fund*      Central Services

## EXECUTIVE SUMMARY

The Northwest Mosquito Abatement District (NWMAD), a separate taxing body, handles mosquito abatement in the Cook County portion of Bartlett, and since 1996, the Village has entered into multi-year contracts for mosquito abatement services in the DuPage portion of Bartlett. As in the past, Wayne Township negotiated a contract with Clarke Environmental Mosquito Management, Inc. which set our price for each year of the contract and in addition, Wayne Township pays 10% of the cost with the Village paying the remaining 90%.

The cost to the Village for mosquito abatement in 2021-2023 will be \$66,600 per year, which is the same cost as the last three contracts. The services covered in the agreement begin in May and typically end by mid-September. Although NWMAD provides mosquito abatement services for Cook County, they do not spray for mosquitos unless West Nile is detected. West Nile usually is not a problem until the later part of the summer, so Cook County generally gets sprayed fewer times than our DuPage side. In the agreement, Clarke provided a price for spraying the Cook County side of Bartlett for \$4,450 each application. We could do up to seven (7) sprays for the year which would be an additional \$31,150. Spraying only makes up a small portion of both Clarke and NWMAD's abatement services. The most significant portion of abatement is larvicideing standing water locations and catch basins which is the main service provided by both Clarke and NWMAD. Each year, the Village budgets \$72,000 for mosquito abatement and extra applications in the Wayne Township portion of Bartlett, but that number would have to increase if Cook County is to be added to the spraying rotation.

## ATTACHMENTS (PLEASE LIST)

Staff Memo Dated December 7, 2020

Resolution

Clarke Contract

## ACTION REQUESTED

- For Discussion Only
- Resolution
- Ordinance
- Motion:

**MOTION:** I Move to Approve Resolution 2020- \_\_\_\_\_ A Resolution Approving the Client Agreement Authorization for the Environmental Mosquito Program between the Village of Bartlett and Clarke Environmental Mosquito Management, Inc.

Staff:      Samuel Hughes, Sr. Management Analyst

Date:      12/07/2020

# Memorandum

**To:** Scott Skrycki, Assistant Village Administrator  
**From:** Samuel Hughes, Sr. Management Analyst  
**Date:** December 7, 2020  
**Re:** Clarke Mosquito Control Agreement -- Wayne Township

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The Northwest Mosquito Abatement District (NWMAD), a separate taxing body, handles mosquito abatement in the Cook County portion of Bartlett, and since 1996, the Village has entered into multi-year contracts for mosquito abatement services in the DuPage portion of Bartlett. As in the past, Wayne Township negotiated a contract with Clarke Environmental Mosquito Management, Inc. which set our price for each year of the contract and in addition, Wayne Township pays 10% of the cost with the Village paying the remaining 90%. The most recent three-year agreement with Clarke and Wayne Township expired after the 2020 season. Wayne Township recently approved a new contract for the Environmental Mosquito Management Program with Clarke covering years 2021 through 2023.

As per the agreement, the cost to the Village for mosquito abatement in 2021-2023 will be \$66,600 per year, which is the same cost as the last three contracts. Clarke also provides complimentary spraying before special events like NNO and the Fourth of July Festival. The services covered in the agreement begin in May and typically end by mid-September. Although NWMAD provides mosquito abatement services for Cook County, they do not spray for mosquitos unless West Nile is detected. West Nile usually is not a problem until the later part of the summer, so Cook County generally gets sprayed fewer times than our DuPage side. In the agreement, Clarke provided a price for spraying the Cook County side of Bartlett for \$4,450 each application. We could do up to seven (7) sprays for the year which would be an additional \$31,150. Each year, the Village budgets \$72,000 for mosquito abatement to allow for flexibility if it is a bad mosquito year and an additional spray is needed, but that would have to increase if Cook County is added to the spraying rotation. It should be noted that when speaking with Clarke and NWMAD, they both agree that spraying for adult mosquitos is **not** the most effective and only accounts for about 10% of the total mosquito abatement process performed throughout the summer. The most significant portion of abatement is larvicideing standing water locations and catch basins which is the main service provided by both Clarke and NWMAD. Attached for your review is a copy of the treatment program description and a cost distribution schedule.

## **Motion**

I Move to Approve Resolution 2020-\_\_\_\_\_ A Resolution Approving the Client Agreement Authorization for the Environmental Mosquito Program between the Village of Bartlett and Clarke Environmental Mosquito Management, Inc.

RESOLUTION 2020 - \_\_\_\_\_

**A RESOLUTION APPROVING THE CLIENT AGREEMENT AUTHORIZATION FOR THE ENVIRONMENTAL MOSQUITO MANAGEMENT PROGRAM BETWEEN THE VILLAGE OF BARTLETT AND CLARKE ENVIRONMENTAL MOSQUITO MANAGEMENT, INC.**

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**BE IT RESOLVED** by the President and Board of Trustees of the Village of Bartlett, Cook, DuPage and Kane Counties, Illinois as follows:

**SECTION ONE:** The proposal as set forth in the Professional Services Outline for 2021-2023 from Clarke Environmental Mosquito Management, Inc. to the Village of Bartlett for the Environmental Mosquito Management (EMM) Program, including the Client Agreement Authorization for 2021-2023 for the Village of Bartlett for an EMM Program, and the 2021-2023 Cost Distribution Schedule for the Wayne Township United Effort Mosquito Control Program (hereafter collectively referred to as the "Agreement"), a copy of which is appended hereto and expressly incorporated herein by this reference, is hereby approved.

**SECTION TWO:** That the Village Administrator is hereby authorized and directed to sign the Agreement on behalf of the Village of Bartlett by executing the Clarke Environmental Mosquito Management, Inc. Client Authorization 2021-2023 Village of Bartlett Environmental Mosquito Management( EMM) Program page thereof.

**SECTION THREE: SEVERABILITY.** The various provisions of this Resolution are to be considered as severable, and if any part or portion of this Resolution shall be held invalid by any Court of competent jurisdiction, such decision shall not affect the validity of the remaining provisions of this Resolution.

**SECTION FOUR: REPEAL OF PRIOR ORDINANCES.** All prior Ordinances and Resolutions in conflict or inconsistent herewith are hereby expressly repealed only to the extent of such conflict or inconsistency.

**SECTION FIVE: EFFECTIVE DATE.** This Resolution shall be in full force and effect upon passage and approval.

ROLL CALL VOTE:

AYES:

NAYS:

ABSENT:

PASSED: December 15, 2020

APPROVED: December 15, 2020

\_\_\_\_\_  
Kevin Wallace, Village President

ATTEST:

\_\_\_\_\_  
Lorna Gilles, Village Clerk

**CERTIFICATION**

I, the undersigned, do hereby certify that I am the Village Clerk of the Village of Bartlett, Cook, DuPage and Kane Counties, Illinois, and that the foregoing is a true, complete and exact copy of Resolution 2020 - \_\_\_\_\_ enacted on December 15, 2020, and approved on December 15, 2020, as the same appears from the official records of the Village of Bartlett.

\_\_\_\_\_  
Lorna Gilles, Village Clerk



**Clarke Environmental Mosquito Management, Inc.,  
Professional Services Outline for 2021-2023  
Village of Bartlett  
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 Village of Bartlett 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 Village of Bartlett representative and inform him of the impending brood arrival.)
- B. Weather Monitoring – Operational Forecasts

**Part III. Larval Control**

- A. Targeted Mosquito Management System (TMMS™) computer database and site management.
- B. Larval Site Monitoring: Nine (9) inspections
  - 1. Three (3) complete inspections of up to 119 sites as outlined by most recent Clarke GIS Survey.
  - 2. Six (6) targeted inspections of up to 34 breeding areas as determined by the computerized Clarke Targeted Mosquito Management System™.
  - 3. Inspections of sites called in by residents on the Mosquito Hotline.
- C. Prescription Larval Control will be performed with VectoLex® (*Bacillus sphaericus*), VectoBac® (*Bacillus thuringiensis israelensis* - Bti), Abate®, Natular®, and/or Altosid® mosquito larvicide as described in the following sections.
  - 1. Larval Control: Stocking of 2,000 mosquito fish (*Gambusia affinis*) for biological control.
  - 2. Catch Basins:
    - a. One (1) treatment of up to 2,130 street side catch basins, inlets and manholes using a sustained release insecticide for control of up to 150 days.
    - b. One (1) treatment of up to 2,130 street side catch basins, inlets and manholes using an extended residual slow release insecticide for control of up to 30 days.
    - c. Treatment of up to 10 backyard catch basins using an extended residual slow release insecticide for up to 150 day control.



**Part IV. Adult Control**

- A. Adulticiding in mosquito harborage areas:
  - 1. Truck / ATV Ultra Low Volume (ULV) treatments using a synthetic pyrethroid insecticide for July 4<sup>th</sup> event or any community special events of up to one mile.
  - 2. Eight (8) truck / ATV harborage treatment using a synthetic pyrethroid insecticide of up to 1 mile.
  - 3. Six (6) backpack barrier treatments using a synthetic pyrethroid insecticide of up to 0.6 miles for residual control of adult mosquitoes.
- B. Adulticiding in Residential Areas:
  - 1. Eight (8) community-wide truck ULV treatments of up to 116.1 miles of streets using Biomist® or synthetic pyrethroid insecticide.
  - 2. As authorized, community-wide truck ULV treatments of the Village's Cook County streets using Biomist® or synthetic pyrethroid insecticide will be provided at a cost of \$4,450.00 per application.
- 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.

**2021-2023 EMM Payment Total Annual Price for Parts I, II, III, IV \*\*: \$74,000.00**

**\*\*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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Proposal

**Clarke Environmental Mosquito Management, Inc.,  
Client Agreement Authorization for 2021-2023  
Village of Bartlett  
Environmental Mosquito Management (EMM) Program**

- I. **Program Payment Plan:** For Parts I, II, III, and IV as specified in the 2021-2023 Professional Services Price Outline, the annual total for the 2021-2023 program is \$74,000.00 per year. The payments will be due on April 1, May 1, June 1 and July 1, 2021-2023 according to the payment schedule below. Any additional treatments beyond the core program will be invoiced when the treatment is completed.

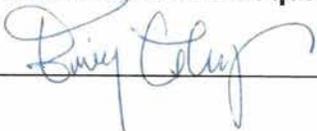
**PROGRAM PAYMENT PLAN**

Month	2021-2023
April 1	\$16,650.00 / \$1,850.00
May 1	\$16,650.00 / \$1,850.00
June 1	\$16,650.00 / \$1,850.00
July 1	\$16,650.00 / \$1,850.00
<b>TOTAL</b>	<b>\$66,600.00 / \$7,400.00</b>

**For Village of Bartlett:**

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

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

Name:  Title: Key Accounts Manager Date: 11/18/2020



**2021-2023  
COST DISTRIBUTION SCHEDULE FOR THE  
WAYNE TOWNSHIP UNITED EFFORT  
MOSQUITO CONTROL PROGRAM**

<b>COMMUNITY</b>	<b>COMMUNITY COST (90%)</b>	<b>WAYNE TOWNSHIP PARTICIPATION</b>	<b>TOTAL COST</b>
Wayne Township		\$59,000.00	\$59,000.00
Village of Bartlett	\$66,600.00	\$7,400.00	\$74,000.00
Village of Carol Stream	\$33,300.00	\$3,700.00	\$37,000.00
Village of Hanover Park	\$25,200.00	\$2,800.00	\$28,000.00
Village of Wayne	\$3,772.80	\$419.20	\$4,192.00
	\$128,872.80	\$73,319.20	\$202,192.00

**TERMS OF PAYMENT**

Wayne Township will be billed for all work in the unincorporated areas. Invoices will be sent to each individual Community for work completed within their boundaries.

The invoices to each community will show the total amount billed, less its 10% participation from Wayne Township. Copies of all Village invoices will then be sent to Wayne Township for the remittance of their participation to each Community program as set forth in the above Cost Distribution Schedule.



Proposal

**Clarke Environmental Mosquito Management, Inc.,  
Client Authorization for 2021-2023  
Village of Bartlett  
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 Village of Bartlett:**

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

**Alternate Contact Person for Village of Bartlett:**

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 at [eglasberg@clarke.com](mailto:eglasberg@clarke.com)