



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item number: *IE

Title:	Recommendation to approve A Resolution Authorizing the Mayor and City Clerk of the City of St. Charles to execute a Five-Year Contract Extension for Mosquito Abatement Services to Clarke Environmental Mosquito Management, Inc.
Presenter:	AJ Reineking

Meeting: City Council Date: April 27, 2020

Proposed Cost: \$102,477.15	Budgeted Amount: \$118,000	Not Budgeted: <input type="checkbox"/>
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Executive Summary (if not budgeted please explain):

For over 30 years, the City has provided services related to mosquito abatement throughout the community. Since the program’s inception, the City has utilized Clarke Environmental as its contractor. Clarke utilizes an extensive mapping system and information database to execute a program that includes larvicide treatments, adult traps, lab analysis, and up to three community sprayings. Clarke also maintains the Mosquito Hotline to offer a comprehensive customer service portal to the City’s residents. In addition, Clarke is the mosquito consultant for the communities surrounding St. Charles, allowing for a comprehensive, proactive group approach to controlling mosquitos.

The City’s contract with Clarke Environmental is due to expire at the end of the fiscal year. Clarke has proposed to extend their agreement by five (5) years. Their proposal includes a 0% rate increase for Year 1 of the extension (2020). For each of the subsequent years, the price would increase at the rate of the Consumer Price Index (CPI), but not to exceed 2% in any given year.

Notable changes to the agreement from previous contracts include:

1. All adult control treatments will be al a carte, meaning if the City does not require the three treatments we will not automatically be charged for them.
2. Clarke will provide up to six scheduled low volume adult treatments at the City’s discretion, generally prior to community special events.
3. Clarke will provide and maintain two additional “New Jersey Light Traps” to more accurately evaluate adult mosquito activity throughout the City.

Attachments (please list):

*Clarke Environmental Extension Proposal * Resolution

Recommendation/Suggested Action (briefly explain):

Recommendation to execute a five-year contract extension for mosquito abatement services with Clarke Environmental.



Clarke Environmental Mosquito Management, Inc.

2020 - 2025 Service Agreement | City of St. Charles

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 – citizens may report nuisance mosquitoes at www.clarkeportal.com/hotline or 800-942-2555
- E. Comprehensive Insurance Coverage naming the City of St. Charles 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 St. Charles representative and inform him of the impending brood arrival.)
- B. Arbovirus Surveillance:
 - 1. Gravid Trap: Operation of one (1) trap to collect *Culex* mosquitoes. Mosquitoes will be collected, identified to species, and pooled for disease assay. Samples will be tested at Clarke laboratories utilizing P.C.R. technology for West Nile Virus.
 - 2. Clarke New Jersey Light Trap Network: Operation of four (4) traps within the City of St. Charles 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: (9) inspections
 - 1. Three (3) targeted inspections of all breeding areas as determined by the Clarke Targeted Mosquito Management System™.
 - 2. Inspections of sites called in by residents on the Mosquito Hotline.
- C. Prescription Larval Control treatments will be performed with *Bacillus sphaericus*, *Bacillus thuringiensis israelensis* - Bti, methoprene, temephos, and/or Natular® (Spinosad) mosquito larvicide as described in the following sections.
 - 1. Larval Control: The program provides all sites found breeding a single brood or 30 day residual product with backpack or hand equipment.
 - 2. Helicopter Pre-hatch: Three (3) treatments using a 30 day residual product of all acres for floodwater mosquito control.
 - 3. Catch Basins: One treatment of all catch basins, inlets and manholes using an extended residual slow release insecticide for up to 150 day control.



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- Part IV. Adult Control** will be performed with Duet, Biomist, or other pyrethroid mosquito adulticide as described in the following sections.
- A. Adulticiding in mosquito harborage areas:
 - 1. Six (6) scheduled truck Ultra Low Volume (ULV) treatments using a pyrethroid insecticide for any community special events.
 - B. Adulticiding in Residential Areas:
 - 1. Community-wide truck ULV treatments of all miles of streets using Duet, Biomist®, or other pyrethroid insecticide. Any authorized community ULV treatments will be priced at \$60.05 per mile, or \$9,668.05 per community-wide treatment based on 161 centerline miles of streets.
 - 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.

Total Annual Estimated Price 2020-2025**	\$73,473.00
<i>Total Annual Price Assuming Three (3) Adulticiding Treatments</i>	<i>\$102,477.15</i>



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Agreement Payment Plan:

For Parts I, II, III and IV as specified in the 2020 Service Agreement, the total for 2020 program is \$73,473.00. Any additional treatments beyond the core program will be invoiced when the treatment is completed. The program rates from 2021 – 2025 are not to exceed the annual cost of living or 2% whichever is less.

PAYMENT PLAN

Month	2020
May 1	\$18,368.25
June 1	\$18,368.25
July 1	\$18,368.25
August 1	\$18,368.25
TOTAL	\$73,473.00

Approved Contract Period and Agreement:

Please check one of the following contract periods:

2020 - 2025 Seasons

****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.

For City of St. Charles:

Sign Name: _____ Title: _____ Date: _____

For Clarke Environmental Mosquito Management Inc.:

Name: *Jack Tharish* Title: Control Consultant Date: 4/21/2020



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Administrative Information (Please complete the information below to update your files):

Invoice Address:

Name: _____

Address: _____

City: _____ State: _____ Zip _____

Office Phone: _____ Fax: _____ P.O. # _____

E-Mail Address for Invoices: _____ County: _____

****In an effort to be sustainable, please provide an email address where invoices will be sent.**

Treatment Address (if different from above):

Address: _____

City: _____ State: _____ Zip _____

County: _____

Contact Details:

Name: _____ Title: _____

Office Phone: _____ Fax: _____ E-Mail: _____

Home Phone: _____ Cell: _____ Pager: _____

Alternate Contact Details:

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: Jack Thennisch
 675 Sidwell Ct. St Charles, IL 60174 or Fax at (630) 443-3070

City of St. Charles, Illinois
Resolution No. _____

A Resolution Authorizing the Mayor and City Clerk of the City of St. Charles to execute a Five-Year Contract Extension for Mosquito Abatement Services to Clarke Environmental Mosquito Management, Inc.

**Presented & Passed by the
City Council on April 27, 2020**

BE IT RESOLVED by the Mayor and City Council of the City of St. Charles, Kane and DuPage Counties, Illinois, that the Mayor and City Clerk be and the same are hereby authorized to execute a Five-Year Contract Extension for Mosquito Abatement Services to Clarke Environmental Mosquito Management, Inc. in the amount of \$102,477.15.

PRESENTED to the City Council of the City of St. Charles, Illinois, this day of April, 2020

PASSED by the City Council of the City of St. Charles, Illinois, this day of April, 2020

APPROVED by the Mayor of the City of St. Charles, Illinois, this day of April, 2020

Raymond P. Rogina, Mayor

ATTEST:

City Clerk

COUNCIL VOTE:

Ayes:

Nays:

Absent:

Abstain: