



City of Arts & Innovation

City Council Memorandum

TO: HONORABLE MAYOR AND CITY COUNCIL **DATE:** JULY 2, 2019

FROM: COMMUNITY & ECONOMIC DEVELOPMENT DEPARTMENT **WARDS:** ALL

SUBJECT: UPDATE FROM THE NORTHWEST MOSQUITO AND VECTOR CONTROL DISTRICT ON MOSQUITO CONTROL EFFORTS AND THE INVASIVE *Aedes aegypti* MOSQUITO

ISSUE:

Receive and file an update by the Northwest Mosquito and Vector Control District on the ongoing efforts to control mosquito populations within the City as well as the invasive *Aedes aegypti* mosquito.

RECOMMENDATIONS:

That the City Council receive and file this update from the Northwest Mosquito and Vector Control on mosquito control efforts within the City of Riverside and the invasive *Aedes aegypti* mosquito.

BACKGROUND:

The Northwest Mosquito and Vector Control District (District) provides comprehensive vector control services throughout the City of Riverside to protect the public health through identification, prevention and control of pests which carry and transmit infectious diseases. The District will provide an update on its efforts relative to mosquito control and the associated viruses such as Zika and West Nile virus.

The *Aedes aegypti* mosquitoes (also known as the Yellow Fever mosquitoes) are vectors for numerous harmful viruses including Zika, West Nile, Dengue, Yellow Fever and Chikungunya. Although these mosquitoes are not native to California, they have been detected in several California counties. In California, Zika virus infections have been documented only in a few people who were infected while traveling outside of the United States. The West Nile virus is also transmitted to people and animals by infected mosquitoes. Only certain species of mosquitoes carry the virus and very few mosquitoes are actually infected. A mosquito first acquires the infection by feeding on a bird with the virus in its blood. The virus lives in the mosquito and is transmitted to a new host in the mosquito's saliva when the insect bites a person or animal. Humans and horses are incidental hosts for the West Nile virus. The virus is most prevalent from

May to October when mosquitoes are most abundant.

The Northwest Mosquito and Vector Control District uses numerous methods to control the population of mosquitos, including the *Aedes aegypti*, throughout the region. Public education, adult mosquito treatments and larval source management are among those methods.

FISCAL IMPACT:

There is no fiscal impact associated with this report.

Prepared by:	David Welch, Community & Economic Development Department
Certified as to	
Availability of funds:	Edward Enriquez Chief Financial Officer/Treasurer
Approved by:	Rafael Guzman, Assistant City Manager
Approved as to form:	Gary G. Geuss, City Attorney

Attachment:	Presentation
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