



City of Arts & Innovation

City Council Memorandum

TO: HONORABLE MAYOR AND CITY COUNCIL **DATE: NOVEMBER 14, 2017**

FROM: GENERAL SERVICES DEPARTMENT **WARD: 3**

SUBJECT: APPROVE A MONTH-TO-MONTH NO-COST SITE LICENSE AGREEMENT WITH MARITIME INFORMATION SYSTEMS, INC. FOR THE INSTALLATION OF AIRCRAFT IN-FLIGHT DATA MONITORING EQUIPMENT AT RIVERSIDE MUNICIPAL AIRPORT

ISSUE:

Approve a month-to-month no-cost Site License Agreement with Maritime Information Systems, Inc., Warren, Rhode Island, for the installation of aircraft in-flight data monitoring equipment at Riverside Municipal Airport.

RECOMMENDATIONS:

That the City Council:

1. Approve a month-to-month no-cost Site License Agreement with Maritime Information Systems, Inc., Warren, Rhode Island, for installation of aircraft in-flight data monitoring equipment at Riverside Municipal Airport; and,
2. Authorize the City Manager, or his designee, to execute a License Agreement with Maritime Information Systems, Inc. including making minor and non-substantive changes.

BACKGROUND:

The Federal Aviation Administration requires airborne aircraft to broadcast certain status information, such as airspeed, direction of flight, altitude, type of aircraft, and destination to ensure air traffic control facilities are able to provide safe separation (distance) from other aircraft. This information is also available to private industry for aircraft monitoring and collection of various data. This data can be useful to maximize operational efficiencies such as noise mitigation, improved arrival times for increased customer service and improved ground support coordination allowing personnel to promptly meet arriving aircraft. Automatic Dependent Surveillance-Broadcast (ADS-B) is the on-board aircraft equipment used to gather this type of information. ADS-B is a collision avoidance technology using Global Positioning System (GPS) satellites to determine aircraft position and can be received by air traffic control stations as a replacement for secondary radar and used by other aircraft for situational awareness (knowing what is happening

around the aircraft).

Maritime Information Systems (MIS, Inc.) approached the Riverside Municipal Airport (Airport) to request their participation as a host for the Aero Tracking System, an array of receivers enabling comprehensive tracking and reporting of in-flight aircraft information. In exchange for hosting MIS, Inc. equipment at no cost, the Airport will be provided access to the equipment and receive and implement information from all tracking locations, including real-time flight tracking and individual flight details. The information will be informative, secure and comprehensive data on the movements of airplanes, which allows MIS, Inc. to increase their coverage, accuracy and redundancy (overlap) by partnering with reliable and vested organizations such as the Airport.

DISCUSSION:

The proposed month-to-month Site License Agreement will permit MIS, Inc. to install the ADS-B equipment at the Airport. The Aero Tracking Platform will provide benefits to the Airport and aviation industry as a whole. In addition to free real-time tracking, the Airport would have access to complimentary planning and management data, such as real-time tracking interface with ADS-B equipped aircraft in motion, multiple views showing weather and terrain, lists of all ADS-B equipped aircraft in the air and complete aircraft and flight details such as speed, altitude and direction. These analytics add efficiency, profitability and understanding to every aspect of Airport facility management.

In exchange for installing the equipment, MIS, Inc. has agreed to provide Riverside Municipal Airport with free access to their internet software and the information collected from their equipment, which is normally valued at \$100 per month. MIS, Inc. will own and maintain all of their equipment and software.

The City's Chief Innovation Officer has reviewed the proposal and determined there will be no conflict with existing City hardware or software systems.

FISCAL IMPACT:

There is no fiscal impact associated with the requested actions.

Prepared by:	Carl Carey, General Services Director
Certified as to	
Availability of funds:	Adam Raymond, Chief Financial Officer/City Treasurer
Approved by:	Marianna Marysheva, Assistant City Manager
Approved as to form:	Gary G. Geuss, City Attorney

Attachment:	Site License Agreement with Maritime Information Systems, Inc.
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