

**COUNTY OF SAN LUIS OBISPO BOARD OF SUPERVISORS
AGENDA ITEM TRANSMITTAL**

(1) DEPARTMENT General Services Agency	(2) MEETING DATE 2/11/2014	(3) CONTACT/PHONE Janette Pell, 781-5200	
(4) SUBJECT Request to approve a FY 2013-14 contract with Aviat U.S. Inc., in the amount of \$1,076,072 to replace the County-wide digital microwave system hardware and software, and provide training and installation services. All Districts.			
(5) RECOMMENDED ACTION It is recommended that the Board approve the contract with Aviat U.S. Inc. in the amount of \$1,076,072 to replace the County-wide digital microwave system hardware and software, and provide training and installation services.			
(6) FUNDING SOURCE(S) FC266- Countywide Automation	(7) CURRENT YEAR FINANCIAL IMPACT \$1,076,072	(8) ANNUAL FINANCIAL IMPACT \$0.00	(9) BUDGETED? Yes
(10) AGENDA PLACEMENT <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Presentation <input type="checkbox"/> Hearing (Time Est. ___) <input type="checkbox"/> Board Business (Time Est. ___)			
(11) EXECUTED DOCUMENTS <input type="checkbox"/> Resolutions <input checked="" type="checkbox"/> Contracts <input type="checkbox"/> Ordinances <input type="checkbox"/> N/A			
(12) OUTLINE AGREEMENT REQUISITION NUMBER (OAR) 19001361		(13) BUDGET ADJUSTMENT REQUIRED? BAR ID Number: N/A <input type="checkbox"/> 4/5 Vote Required <input checked="" type="checkbox"/> N/A	
(14) LOCATION MAP Attached	(15) BUSINESS IMPACT STATEMENT? No	(16) AGENDA ITEM HISTORY <input checked="" type="checkbox"/> N/A Date: _____	
(17) ADMINISTRATIVE OFFICE REVIEW Emily Jackson			
(18) SUPERVISOR DISTRICT(S) All Districts -			

County of San Luis Obispo



TO: Board of Supervisors

FROM: General Services Agency / Janette Pell, 781-5200

DATE: 2/11/2014

SUBJECT: Request to approve a FY 2013-14 contract with Aviat U.S. Inc., in the amount of \$1,076,072 to replace the County-wide digital microwave system hardware and software, and provide training and installation services. All Districts.

RECOMMENDATION

It is recommended that the Board approve the contract with Aviat U.S. Inc. in the amount of \$1,076,072 to replace the County-wide digital microwave system hardware and software, and provide training and installation services.

DISCUSSION

The current County-wide digital microwave system was installed and implemented in 1999. The system is comprised of an Aviat Networks Constellation 6 gigahertz digital microwave radio installed at thirteen high-level communication sites throughout San Luis Obispo and Northern Santa Barbara counties. The existing system provides a dedicated communications network for Law Enforcement, Fire, and Medical radio dispatch via the Sheriff Public Safety Answering Point (PSAP), supporting analog simulcast very high frequency/ultra-high frequency (VHF/UHF) base station radios located at the communication sites. The replacement of the current microwave system is being driven by product obsolescence, age of the system and lack of manufacturer support, and a desire to introduce and expand Ethernet IP traffic over the microwave network.

The current microwave system has been extremely reliable for the past fifteen years and has reached the end of its useful operational lifetime. As the system ages, there is an increased likelihood of problems and potential for system failure. A complete failure of the County-wide digital microwave system would significantly disrupt radio communications for emergency first responders and adversely impact Sheriff and Fire Dispatch capabilities. As a result of these concerns, GSA-Information Technology is pursuing replacement of the microwave system.

On September 26, 2013, the County released a Request for Proposal to replace the County-wide digital microwave system hardware and associated software, and to provide related design, licensing, installation, and training services. In November 2013, a team from the County chose the current system vendor, Aviat Networks, to replace the microwave system as the best overall value to the County. Subsequent to the selection of Aviat Networks, the County developed the contract and statement of work. This work will begin February 11, 2014 and will be completed by December 31, 2014 and includes system installation and training, with the hardware maintenance and software support agreement to commence upon system acceptance for a duration of fifteen (15) months.

The upgraded system will include replacing the microwave radio hardware and all related software. Some of the existing ancillary microwave hardware, such as power rectifiers and transmission dishes, will remain and be reused. The new system will retain all the features currently in use by County public safety end-users, and add new, enhanced capabilities such as Ethernet IP data transport and greater frequency spectrum bandwidth utilization.

OTHER AGENCY INVOLVEMENT/IMPACT

All County public safety departments and agencies use the County-wide digital microwave system, as well as other local law enforcement agencies for mutual aid assistance. County Counsel has reviewed this contract as to form and legal

effect.

FINANCIAL CONSIDERATIONS

The total contract amount is \$1,076,072. The funds for this contract were budgeted for the current fiscal year under Fund Center 266- Countywide Automation Replacement. No additional costs for this fiscal year will be incurred by the County for this system.

RESULTS

Upgrading the County-wide digital microwave system contributes to a safe community by supporting public safety first responders through a reliable and fault tolerant radio communications system. This facilitates high quality 'results oriented' services that are responsive to community desires. Through this system, County public safety departments and other local law enforcement agencies will be able to communicate over a dedicated radio system with Sheriff and Fire Dispatch personnel and respond to emergency public requests from throughout the county.

ATTACHMENTS

1. Location Map
2. Aviat U.S. Inc. Contract