

## **CITY OF SAN LEANDRO**

### **MEMORANDUM**

**DATE:** June 1, 2012

**TO:** Finance Committee

**FROM:** Chris Zapata, City Manager

**BY:** David Baum, Finance Director  
Sandra Spagnoli, Chief of Police  
Greg Lemmon, Police Lieutenant

**SUBJECT:** Purchase of Motorola Radios and Accessories for City Police and Public Works Departments to Comply with the East Bay Regional Communications System Authority (EBRCSA) System

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#### **SUMMARY AND RECOMMENDATION**

Staff recommends the Finance Committee approve the Police Department replacing 111 portable radios with the Motorola APX6000 P25 radios required to successfully migrate to the EBRCSA system. Additionally, staff recommends the replacement of 15 portable radios for Public Works by purchasing Motorola APX4000 P25 radios. Further, staff recommends the purchase of the required accessories, software, and equipment to maintain compliance with the EBRCSA Operating Agreement. Finally, staff is also recommending the Police Department replace 5 Motorola Model APX6500 vehicle radios and related accessories. This purchase will be accomplished through a cooperative agreement on Contra County Bid # 0904-018 and contract dated January 5, 2012.

Following Finance Committee approval of the above radio equipment, a resolution will be presented to the City Council for approval.

#### **DISCUSSION**

The East Bay Regional Communications System Authority (EBRCSA) was created on September 11, 2007 with the formation of a joint powers authority. The project mission is to build, own, and operate a state-of-the-art P25 compliant communications system for the public agencies within Alameda and Contra Costa counties. With this goal, the City signed the Project Operating Agreement on February 1, 2011 by resolution 2010-124 (approved on September 20, 2010). The project is scheduled to be complete and fully operational on December 30, 2012. Based on this new operating system, the current portable and vehicle radios will no longer work. The purchase of the necessary equipment will bring the City into compliance with the EBRCSA Project Operating Agreement.

Coinciding with the implementation of the EBRCSA system is the Federal Communications Commission (FCC) mandate to meet Narrow Banding requirements by January 1, 2013. In December 2004, FCC Docket no. 99-87 mandated that all radio equipment operating below 512 MHz must operate using narrow, 12.5 kHz channel spacing that replaces the current 25 kHz banding by that date. On January 1, 2013, all public safety and business industrial land mobile radio systems operating in the 150-512 MHz radio bands must cease using 25 kHz efficiency technology and begin operating at least 12.5kHz efficiency technology. This deadline is the result of the FCC effort that began almost two decades ago to ensure more efficient use of the spectrum access for public safety and non-public safety users. Migration to 12.5 kHz efficiency technology (referred to as Narrow Banding) will allow the creation of additional channel capacity within the same radio spectrum, and will support more users.

After January 1, 2013, licensees not operating at 12.5 kHz efficiency will be in violation of the Commission's rules and could be subject to FCC enforcement action that may include admonishment, fines, or loss of license. Nearly all Police Department radios must be replaced to comply with this requirement, as do some of the Public Works radios.

The purpose of the EBRCSA is to implement and maintain an interoperable, region Project 25 compliant public safety radio system. Project 25, more commonly referred to as P25, refers to interface standards for digital radio systems enabling equipment from different manufacturers to work together. These standards allow effective communications between different public safety agencies in emergencies. Since its creation in 2007, EBRCSA has continued to acquire and develop a P25 compliant system.

EBRCS (the radio system of the EBRCSA) is based on a Motorola design with a Harris Stratex microwave system connecting the radio sites. The EBRCSA has secured about \$46,000,000 in grant funding for the build-out of the system infrastructure (total cost of \$64,000,000, excluding design costs). The remaining funds required to complete the system are funded by the \$11,000,000 in local revenue generated by participating agencies that has already been contributed and \$6,000,000 in issued debt. The repayment of the debt is included in the annual operating payments made by participating agencies. The radio system is scheduled to go live in June 2012, with the intent to have the migration of users onto the system by January 1, 2013 to meet the FCC Narrow Banding deadline.

## **FISCAL IMPACT**

The City has obtained funds through a number of grants for replacement of some of the needed radios. Funding for this EBRCSA project has not been included in the 2012-13 budget since precise costs have only recently been determined.

The total purchase price for the EBRCS radio equipment amounts to \$469,252 (net of a trade-allowance on 116 radios of \$52,700). This purchase will be made through a Municipal Lease-Purchase Agreement from Motorola Solutions, Incorporated. Currently, the City utilizes the local Motorola Solutions Distributor, Red Cloud, Incorporated and all purchases will be made through them. Additionally, all prices are based on the discounts incorporated in the current, competitively bid Contra Costa County Radio contract, derived from its RFQ # 094-018 for Professional Grade P25 Subscriber Radios.

The costs for the departmental components for the purchase include:

111 Police portable radios	\$408,800
5 Police in-car radios	19,800
15 Public Works radios	<u>40,700</u>
Total	\$469,300

Funding for the radio equipment can be made available from grant funds, the Asset Seizure Fund, and the General Fund. Eligible grant funding can include the following:

Justice Assistance Grant 2009-	\$62,200
Justice Assistance Grant 2010-	60,200
Justice Assistance Grant 2012-	30,800
Supplemental Law Enforcement-	25,000
Service Funds 2013	<u>178,200</u>
Asset Seizure Fund	<u>50,000</u>
Total Special Revenue Funds	\$228,200

Nearly one-half of the radio purchase costs can be covered by special revenue fund sources. The balance is recommended to come equally from the Information Technology Fund and the General Fund's fund balance. The 2012-13 Proposed Budget includes an allocation from the Police Department to Information Technology amounting to \$1,271,100. Information Technology's fund balance amounts to \$1,100,000, allowing for the diversion of \$120,550 of the 2012-13 Police allocation to the EBRCS radio purchase costs. The Proposed Budget reflects adequate fund balance in the General Fund for the balance of the radio costs. The non-special revenue funding includes:

Information Technology Fund	\$120,550
General Fund (fund balance)	<u>\$120,550</u>
Total EBRCS Radio Funding	\$469,300

## CONCLUSION

Staff recommends the Finance Committee approve purchasing 111 Motorola APX6000 P25 radios and 15 Motorola APX4000 P25 portable radios. Staff recommends the purchase of the required accessories, software, and equipment to maintain compliance with the EBRCSA Operating Agreement. Finally, staff is also recommending the Police Department replace 5 Motorola Model APX6500 vehicle radios and related accessories. Following Finance Committee approval of the above radio equipment, a resolution will be presented to the City Council for approval.