



**PURCHASING ITEM
FOR
COUNCIL AGENDA**

1. Agenda Item Number:

33

2. Council Meeting Date:

July 28, 2011

TO: **MAYOR & COUNCIL**

3. Date Prepared: July 12, 2011

THROUGH: **CITY MANAGER**

4. Requesting Department: Fire

5. SUBJECT: Approve purchase of Communication Equipment from Motorola Solutions utilizing the City of Phoenix Contract No. P-7288-05 in an amount not to exceed \$346,242.68.

6. RECOMMENDATION: Recommend approval to purchase Communication Equipment from Motorola Solutions utilizing the City of Phoenix Contract No. P-7288-05 in an amount not to exceed \$346,242.68.

7. HISTORICAL BACKGROUND/DISCUSSION: Radio communication is critical to safe and successful emergency incident mitigation. Within Chandler Fire's response area there are two radio network systems, VHF analog and 800MHz digital. Both systems have their advantages, the VHF system allows for stronger building penetration of radio signals and the 800 MHz system allows for the interoperability of many jurisdictions utilizing the same radio frequencies. Chandler Fire crews operate daily on both radio systems. The VHF system is used for firefighting activities and the 800 MHz system is used for medical response, regional communications, and communication with Chandler Police Officers. The 800 MHz system has established the long awaited interoperability between Chandler Firefighters and Chandler Police Officers. Technological advancements in radios have created one single radio that transmits both VHF and 800 MHz frequencies. These radios will provide for seamless communications for both systems with the use of a single radio, currently two separate radios are used. The Fire Department is asking to purchase 32 mobile Motorola APX's radios (for emergency response apparatus) and 14 portable radios (for command staff). The Department anticipates a full evolution into dual band radios in the near future.

8. EVALUATION PROCESS: A regional communication committee, of which Chandler is a participating member, has evaluated and worked with radio manufactures to produce a dual system radio that is certified for use in explosive, flammable and combustible atmospheres. It is designed to be operated by firefighters wearing protective clothing in the fire ground environment and allows for planned system upgrades in the future. The Motorola APX radios are the only radios available that meet these requirements. Communication equipment has been bid by the City of Phoenix (Contract No. P-7288-05) and an award was made to Motorola Solutions. Using the City of Phoenix contract will result in a lower per unit cost for Chandler due of the economy of scale because of the large number of radios purchased through the Phoenix regional system.

9. FINANCIAL IMPLICATIONS: Funds will be paid through account # 470.2250.0000.6314.9FI635, General Obligation Bonds, for the amount of \$346,242.68 to purchase radio equipment.

10. PROPOSED MOTION: Recommend approval to purchase Communication Equipment from Motorola Solutions utilizing the City of Phoenix Contract No. P-07288-05 in an amount not to exceed \$346,242.68.

APPROVALS

11. Requesting Department

James Johnson

James Johnson, Fire Battalion Chief

12. Department Head

Jeff Clark (TC)

Jeff Clark, Fire Chief

13. Procurement Officer

Kristy Garcia

Kristy Garcia, CPPB

14. City Manager

Rich Dlugas

Rich Dlugas