



**PURCHASING ITEM
FOR
COUNCIL AGENDA**

1. Agenda Item Number:

54

2. Council Meeting Date:

August 15, 2013

TO: MAYOR & COUNCIL

3. Date Prepared: July 24, 2013

THROUGH: CITY MANAGER

4. Requesting Department: Police

5. SUBJECT: Purchase of a dry fire suppression system

6. RECOMMENDATION: Recommend approval to use the City of Chandler Contract No. BF2-936-3118 for Fire Protection Services, Repairs & Maintenance with Signal One Fire and Communications, LLC for the purchase of a dry fire suppression system, in an amount not to exceed \$75,527.34.

7. HISTORICAL BACKGROUND/DISCUSSION: The computer room located at Police has been upgraded over the last three years, and the final piece that needs to be addressed is the fire suppression system. The current system is the traditional water sprinkler system. These systems, while rare, do occasionally fail causing flooding which would be catastrophic in and of itself. A more likely scenario happens when a single server or electrical device fire causes the sprinkler to go off, flooding the area and causing catastrophic loss of the rest of the equipment present. A request for a dry fire suppression system was submitted based on an informal risk assessment done of critical systems in the department from a technology standpoint. A dry fire suppression system works by depleting oxygen and shutting down environmental systems in the room to put out the fire. The benefit here is that damage is minimized by only having a single server or component that has failed and all other devices can be verified and powered back on one at a time resuming functionality of most systems except the original failing device.

The City's contracted vendor for fire suppression systems proposed several different options, and the system that best fits Police needs and situation is a product called Pro-Inert. This system utilizes an environmentally friendly product which is released in the room at the detection of a fire at a low enough pressure to not cause its own destruction but high enough to put out a fire within the industry standards. This Pro-Inert gas displaces the oxygen in the room so that the fire goes out without removing all oxygen to a point that can be detrimental to human health within the affected areas. The IT room and server room will be protected with Pro-Inert fire suppression system with detection and controls, and installation of low leakage dampers in existing duct work. Project pricing includes all materials, labor, service, and tax.

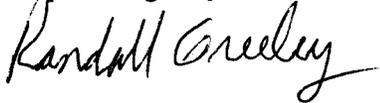
8. EVALUATION PROCESS: The requested equipment and services were solicited through a Request for Proposal (RFP) process by the City of Chandler. In July 2012, Council approved an award to Signal One Fire and Communications, LLC, for Fire Protection Services, Repair & Maintenance. The agreement was awarded with an initial term of two years, July 1, 2012 through June 30, 2014. The contract was established to allow for all fire protection services, repairs, and maintenance, to include upgrade and replacement of existing and outdated equipment. Because this purchase and dollar amount was not included in the original award, staff is requesting approval for the additional amount.

9. FINANCIAL IMPLICATIONS: Funding for this purchase is available in the amount of \$75,527.34 in account 202-2010-6320 (Forfeiture Fund – Police Administration – Other Equipment).

10. PROPOSED MOTION: Move to approve the use of the City of Chandler Contract No. BF2-936-3118 for Fire Protection Services, Repairs & Maintenance with Signal One Fire and Communications, LLC for the purchase of a dry fire suppression system, in an amount not to exceed \$75,527.34.

APPROVALS

11. Requesting Department



Randall Greeley, Police Planning & Research
Manager

12. Department Head



David Neuman, Interim Police Chief

13. Procurement Officer



Kristy Garcia, CPPB

14. City Manager



Rich Dlugas