



CITY COUNCIL AGENDA REPORT

MEETING DATE: OCTOBER 1, 2013

ITEM NUMBER:

SUBJECT: SERVER INFRASTRUCTURE UPGRADE

DATE: SEPTEMBER 25, 2013

FROM: POLICE DEPARTMENT, SUPPORT SERVICES DIVISION

PRESENTATION BY: LES GOGERTY, CAPTAIN

FOR FURTHER INFORMATION CONTACT: LES GOGERTY – 714.754.5190

RECOMMENDATION:

1. Approve and authorize the CEO to sign the Purchasing Agreement in the amount of \$205,203.24 for the upgrade of the City's server infrastructure with Abtech Technologies, Inc., 2042 Corte Del Nogal #D, Carlsbad, CA 92011.
2. Approve Budget Adjustment (BA #14-009) to appropriate available fund balance in the Narcotics Asset Forfeiture Fund (\$133,741.54), Proposition 172 Fund (\$11,629.70) and General Fund IT Budget (\$59,832.00) in the total amount of \$205,203.24 for this purchase.

BACKGROUND:

The City Council, at their July 2, 2013 meeting, authorized the purchase of a new CAD/RMS system to replace the current system that has reached its "end of life." This new technology will not work with our current server infrastructure and requires an upgrade for it to operate properly.

ANALYSIS:

Currently the City has approximately 70 servers that are out of warranty and between 5 and 8 years old. These servers, in their current condition, are unsupported and will not handle the required load the new CAD/RMS technology requires.

This upgrade includes new software (VMware) that will allow the City to condense our current physical servers into a virtualized environment. One VMware server has the capability of hosting as many as 15 - 20 physical servers, which will allow the City to buy less over all hardware, saving on both hardware and maintenance costs.

In addition to cost savings, virtual servers can be moved or restored to any physical location with appropriate hardware and capacities. This is critical for the facilitation of disaster recovery. This also aids in a zero down time environment caused by hardware failures. Should a piece of hardware fail, VMware will move the servers on that hardware to other appropriate locations within a few seconds.

On September 16, 2013, staff issued an invitation to bid, number 1162, and there were four responses. Staff reviewed those responses and determined that Abtech Technologies provided the most qualified response and the lowest price of \$205,203.24 (see Attachment #1 for the bid summary).

ALTERNATIVES CONSIDERED:

The upgrade of the server infrastructure is required to support the installation of the new CAD/RMS system. The current CAD/RMS system has reached its “end of life” and needs to be replaced. Staff has also determined that a virtual server environment would be more efficient and cost effective than simply purchasing more traditional servers requiring more infrastructure at additional cost. If the City Council decides not to authorize this purchase, the implementation of the CAD/RMS system cannot proceed; therefore, no alternatives were considered.

FISCAL REVIEW:

The purchase of this hardware was not originally budgeted; therefore the attached Budget Adjustment #14-009 in the amount of \$205,203.24 allocates funds for this purchase.

Staff broke down Abtech Technologies bid into two categories for purposes of funding this project. The first was all equipment specifically allocated for the City Hall infrastructure. It is recommended this cost (\$59,832) be paid for out of the General Fund IT budget. The second was for Public Safety infrastructure and includes police and fire. Since Department of Justice (Federal) guidelines state that Narcotic Asset Forfeiture money can only be spent on eligible law enforcement activities, staff determined that approximately 92% of all activities handled by the CAD/RMS system were for law enforcement. Therefore it is recommended that 92% of the public safety cost (\$133,741.54) be paid with available Narcotic Asset Forfeiture fund balance and the remaining 8% of the public safety cost (\$11,629.70) be paid with available Proposition 172 fund balance.

LEGAL REVIEW:

Legal review is not required for this purchase.

CONCLUSION:

Based upon the information contained in this report, staff recommends the City Council authorize the CEO to sign the Purchase Agreement and approve the budget adjustment for the server infrastructure upgrade.

LES GOGERTY
Captain

TOM GAZSI
Chief of Police

STEVE DUNIVENT
Interim Finance and IT Director

RICK FRANCIS
Assistant CEO

- ATTACHMENTS: 1 [Bid Summary](#)
2 [Budget Adjustment BA #14-009](#)

File Name

Date

Time