



TO: Honorable Mayor & Members
Fort Lauderdale City Commission

FROM: Lee Feldman, City Manager

DATE: November 20, 2012

TITLE: Motion to approve the purchase of computer software and hardware to upgrade the City's email system and Police Data Center - \$648,023

Recommendation

It is recommended that the City Commission approve the purchase of system hardware and software to upgrade the City's email system and begin virtualizing the servers in the Police Department data center. These purchases will be made from the following vendors and contracts for a total cost of \$648,023:

- Computer Systems Support, Inc. (CSS) State of Florida IT Contract 250-000-09-1 - \$370,000 to provide Hewlett Packard hardware and software for virtualizing servers.
- Software House International (SHI), State of Florida Contract 252-001-09-1 - \$218,980 to provide Microsoft Exchange and Windows software.
- Teqsys, Inc., General Services Administration (GSA) Schedule 70 Contract GS-35F-0119Y - \$10,800 to provide consulting services to upgrade the email storage and archive system.
- Dell Marketing Corporation, Western States Contracting Alliance (WSCA) Contract - \$48,243 to provide hardware and software for the upgrade projects.

Background

Microsoft will officially end support for the City's email system in April 2014. An alternative email system must be in place before that time as Microsoft will no longer provide security updates and will not provide technical assistance. Furthermore, our current email system (Exchange 2003) was released over nine years ago and was not designed for how email is used in the City today. In particular, the system was not designed to handle the volume of emails sent and received, the size of emails (including the attachments), and the explosive use of iPhones, iPads, Android, and other smart-devices used by many City employees. Microsoft currently refuses to offer support regarding any of our performance issues due to these reasons.

As a government organization the City must adhere to certain restrictions regarding email retention, public records requests, and security (especially for Police). Because of these restrictions the standard email services offered by cloud companies such as Google are not sufficient and require the use of add-on services. The State of Florida recently

performed a comprehensive study and subsequently issued an RFP for a new email system. A private cloud solution was selected utilizing Microsoft Exchange 2010 and Enterprise Vault (for email archiving and public records searches). This type of system meets all of the City's requirements and is significantly less expensive than the public cloud solutions (with the cost of the add-ons factored in). City staff has the necessary skills to design, implement, and maintain such a system. The expected five year savings of this approach compared to outsourcing the email implementation and support is \$374,544. Since a replacement email system could take up to a year to fully implement, it is necessary to begin the project in order for us to complete the entire process before the April 2014 deadline.

The Information Technology Services Department will also begin virtualizing servers at the Police Department. Aging back office system hardware in the Police Department has reached or exceeded end of life and needs to be replaced. Currently one third of the departmental servers are six years or older. In some cases, vendors are no longer supporting the systems that are still in use. This leaves the department at risk of having long term interruption of some information technology services. In addition, the environmental requirements prescribed by the number of physical servers are reaching the limits of the electrical, Uninterruptible Power Supply (UPS), and air conditioning capacity of the police data centers. The planned strategy is to use new technologies including blade servers and virtual machines to address the replacement requirements while also more efficiently using resources. Blade servers take less space, use less electricity and generate less heat. Virtual servers allow sizing of servers to the exact resource requirements by housing inside each physical server, several virtual servers sharing resources allocated as needed. This also allows for more reliable and robust backup and fail-over approaches.

Resource Impact

There is a fiscal impact to the City in the amount of \$648,023.

FUNDS AVAILABILTY LOCATION:

FY	FUND	SUB FUND	FUND NAME	INDEX #	INDEX NAME	SUB OBJECT #	SUBJECT NAME	AMOUNT
2013	581	01	CENTRAL SERVICES	ITS040101	APPLICATION SERVICES	3907	DP SUPPLIES	\$ 222,492.00
2013	581	01	CENTRAL SERVICES	ITS050101	INFRASTRUCTURE & OPER	3199	OTHER PROF SVCS	\$ 10,800.00
2013	581	01	CENTRAL SERVICES	ITS050101	INFRASTRUCTURE & OPER	3401	COMPUTER MAINT	\$ 24,236.00
2013	581	01	CENTRAL SERVICES	ITS050101	INFRASTRUCTURE & OPER	6404	COMPUTER EQUIP	\$ 283,130.00
2013	581	01	CENTRAL SERVICES	ITS070101	POLICE ITS	3401	COMPUTER MAINT	\$ 11,213.00
2013	581	01	CENTRAL SERVICES	ITS070101	POLICE ITS	3907	DP SUPPLIES	\$ 12,997.00
2013	581	01	CENTRAL SERVICES	ITS070101	POLICE ITS	6404	COMPUTER EQUIP	\$ 83,155.00
							TOTAL	\$ 648,023.00

Prepared By: Richard Ewell, Procurement Specialist II
Carrie Keohane, Administrative Assistant I

Department Director: Mike Maier, Information Technology Services