



## CITY COUNCIL AGENDA ITEM

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Date: September 15, 2015

To: Brian Kischnick, City Manager

From: Tom Darling, Director of Financial Services  
MaryBeth Murz, Purchasing Manager  
Gert Paraskevin, Information Technology Director

Subject: Standard Purchasing Resolution 4 – Cooperative Contracts - Upgrade and Expansion of Disk Based Backup System

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### History

The City currently utilizes a disk based backup device manufactured by ExaGrid initially purchased in October 2011. This system utilizes deduplication technology resulting in an average data compression rate of 13:1. The storage capacity of the device is approximately 6.5TB of retention space and 6.5TB of landing space. Landing space is used to manage the data as it comes into the device and is also used for file restoration.

In March of 2013 an identical unit was purchased in conjunction with the upgrade and implementation of Microsoft Exchange 2013. At that time we had anticipated an increase in disk storage usage and therefore an increase in backup capacity requirements. We were already nearing capacity on the ExaGrid and the increase did in fact happen but at a rate much higher than initially expected. We are currently utilizing approximately 14TB of storage space. This represents capacity of the retention space on both devices and we are now infringing on our landing space. The result is a negative effect on performance of the backup system, and has required us to reduce the retention period. We currently only retain about 3 months' worth of data. Ideally we would like to increase that to 13 months.

An analysis of our backup storage identifies that we more than doubled our backup requirements in the past two and a half years. We consumed approximately 7.5TB of additional space during that time, which translates to about 3TB per year. Assuming that rate of growth will continue and most likely at an ever increasing rate it is clear additional storage is required.

We have been very happy with the ExaGrid product line and the support they have provided. CDW-G, our current cooperative NIPA contract vendor, can provide replacement options. The ExaGrid model EX32000SEC is recommended; which is a 63TB capacity device with encrypted drives for an estimated cost of \$38,000.00 less \$4,000.00 for trade in of existing devices. The EX32000SEC can be divided into a 20TB landing space and 43TB retention space allowing for expanded retention periods and enough capacity to last many years.



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### **Purchasing**

In 2008, City Council approved a blanket resolution for the use of the NIPA; National Intergovernmental Purchasing Alliance, (Resolution #2008-03-086-F-4c). The City is proposing to purchase a backup device and associated maintenance from CDW-G based on a cooperative contract through NIPA Contract #130733.

### **Financial**

Funds are available in the Information Technology capital budget for the 2015/2016 fiscal year and designated as project number 20160003. Future maintenance will be funded by the Information Technology operating budget.

### **Recommendation**

City Management requests authorization to purchase an ExaGrid EX32000SEC encrypted disk backup system for \$38,000.00 less \$4,000.00 for trade in of existing devices and 3 years of maintenance for \$15,000.00 from CDW-G as per the NIPA Cooperative Contract #130733 for an estimated total cost of \$49,000.00. Maintenance will continue to be approximately \$5,000.00 per year after the initial 3 years.