

COUNCIL DECISION REQUEST

SUBJECT: Purchase of a new internet firewall/anti-virus server

MEETING DATE: February 21, 2008

PAYSON GOAL: NEW:

EXISTING:

ITEM NO.:

TENTATIVE SCHEDULE:

SUBMITTED BY: Silvia Smith, Town Clerk

AMOUNT BUDGETED: 0

SUBMITTAL TO AGENDA

EXPENDITURE REQUIRED: \$10,000.00

APPROVED BY TOWN MANAGER

CONT. FUNDING REQUIRED: \$10,000.00

EXHIBITS (If Applicable, To Be Attached): Memo from Steve DeHaan

POSSIBLE MOTION: I move to approve the Information System Department staff to get a quote and purchase hardware and software needed for a new internet firewall/anti-virus server, not to exceed \$10,000.00.

SUMMARY OF THE BASIS FOR POSSIBLE MOTION: On February 12, 2008 we had an internet server motherboard meltdown. We were down approx. 3 hours while we were able to find a computer in-house that was compatible with similar hardware specs which allowed for the installation of the failed computer's harddrive.

PROS: We would have a new server instead of a five year old and the latest software to allow greater functionality to protect the Town's network integrity.

CONS: We would not have any Internet connectivity. We are not getting any anti-virus updates, critical window updates, etc.

PUBLIC INPUT (if any):

BOARD/COMMITTEE/COMMISSION ACTIONS/RECOMMENDATIONS (if any) (give dates and attach minutes):

FUNDING:

Account Number:

Title:

Amount: \$

Total Cost: \$10,000.00

FEB 21 2008 I.2

Tuesday Feb. 12th the Town wide Internet-Firewall/Anti-Virus server experienced a motherboard meltdown. The computer used for this function was actually a desktop computer that was built 5 years ago. This was done because the IS Department did not have the budget needed to purchase an actual server.

After approximately 2 hours of searching, I was able to find a hardware match with another computer, unfortunately the matching computer just so happened to be another server that was built 5 years ago. So I was faced with a decision of importance, restoring the Internet-Firewall/AV server or rebuild a Primary Domain Controller. So I chose to restore the failed computer and deal with restoring the other server later. Being able to find a computer with compatible hardware, I was able to take the hard drives from the failed computer and connect them to the compatible computer and limit the amount of downtime. All in all the total downtime was approximately 3 hrs. If a total rebuild needed to be done, this could have taken anywhere from 10-12 hours or longer depending on whether everything went smoothly.

Upon getting the Internet-Firewall server back up and functional, I was faced with restoring the Primary Domain Controller. This computer is the Primary server for the TOP domain infrastructure that controls the functions of the old Police program and backup server for that program. I was extremely fortunate as I was able to find another compatible workstation. This allowed me to install the hard drives and, with a few minor configurations, restore the Primary Domain Controller for the TOP domain.

Total time to restore the network to the state it was in prior to the failure was 5-6 hours, but could have taken much longer and could have been much worse.

I have run out of compatible computers for the servers that were installed on desktops computers 5 years ago. As the Town becomes more and more dependant on technology to perform their daily job functions, there needs to be an upgrade of these servers to ensure the resources the Town employees need are available to them. Obviously due to the importance of this server, this needs to be expedited as soon as possible.

All of the servers that were built 5 years ago using desktop computers were on the 08-09 project list to be considered for an upgrade, but with the events of 2-12-08, there might be a need to push that up to avoid future failures.



MicroAge
P.O. Box #26967
Tempe, Arizona 85285
United States
http://www.microage.com

Quotation

Date Feb 13, 2008 2:29 PM PST	Doc # 189771 - rev 1 of 1
Description ISA Server	
SalesRep Betts, Jason (P) 480-366-2109 (F) 480-366-2392	
Customer Contact Dehaan, Steve (P) (928) 474-5242 ext. 227 sdehaan@ci.payson.az.us	

Customer

Town of Payson (TO6130)
303 North Beeline Hwy
Payson, Arizona 85541

Bill To

Town of Payson
Dehaan, Steve
303 North Beeline Hwy
Payson, Arizona 85541

Ship To

Town of Payson
Dehaan, Steve
303 North Beeline Hwy
Payson, Arizona 85541

Customer PO:

None

Terms:

Net 30 Days

Ship Via:

UPS Ground

Special Instructions:

None

Carrier Account #:

None

Item Description	Part #	Qty	Tax	Unit Price	Total
1 <u>Microsoft Internet Security and Acceleration Server 2006 Standard Edition</u> License - 1 processor - local - MOLP - Win - English	E84-01110	2	Yes	\$1,027.00	\$2,054.00
2 <u>Microsoft Windows Server 2003 R2 Standard Edition</u> License - 1 server - local - MOLP - English	P73-01921	1	Yes	\$553.00	\$553.00
IBM System x3550 7978					
3 Rack - 2-way - 1 x Dual-Core Xeon 5110 / 1.6 GHz - RAM 2 GB - SAS - hot-swap 3.5" - no HDD - CD-RW / DVD - ATI ES1000 - Gigabit Ethernet - Monitor : none - 1U - Express	7978EWU	1	Yes	\$1,549.00	\$1,549.00
4 <u>Intel Dual-Core Xeon 5110 / 1.6 GHz processor</u> 1 x Intel Dual-Core Xeon 5110 / 1.6 GHz (1066 MHz) - L2 4 MB	40K1237	1	Yes	\$475.00	\$475.00
5 <u>IBM Simple-Swap</u> Hard drive - 160 GB - removable - SATA-300	39M4504	2	Yes	\$139.00	\$278.00
6 <u>Intel PRO/1000 PT Quad Port Server Adapter</u> Network adapter - PCI Express x4 low profile - EN, Fast EN, Gigabit EN - 10Base-T, 100Base-TX, 1000Base-T - 4 ports	39Y6136	1	Yes	\$521.00	\$521.00
7 <u>IBM power supply</u> Power supply - hot-plug / redundant (plug-in module) - 670 Watt	32R2815	1	Yes	\$196.00	\$196.00
8 <u>IBM ServicePac extended service agreement</u> Extended service agreement - parts and labor - 3 years - on-site	21P2073	1	Yes	\$424.00	\$424.00
9 <u>APC Smart-UPS RM 2200VA USB & Serial</u> UPS (rack-mountable) - AC 120 V - 1.98 kW - 2200 VA - 8 output connector(s) - 2U	SUA2200RM2U	1	Yes	\$999.00	\$999.00
				Subtotal	\$7,049.00
				Tax (8.100%)	\$570.97
				Shipping	\$153.00
				Total	\$7,772.97

These prices do NOT include applicable taxes, insurance, shipping, delivery, setup fees, or any cables or cabling services or material unless specifically listed above. All prices are subject to change without notice. Supply subject to availability.