

## MANAGER'S MEMO ITEM

**ITEM:** Unified Data Storage System  
**DATE:** Monday, February 09, 2004  
**PREPARED BY:** Bill Herman, Assistant Director, Information Services  
**PURPOSE:** Purchase of unified data storage system  
**BID AMOUNT:** \$ 20,904 **ACCOUNT:** 530.171.0000.5735  
**BUDGET AMOUNT:** \$ 21,000 (see comments below)

### DISCUSSION:

Currently the Information Services department stores village data on a variety of servers. The goal of this purchase is to begin migrating our data to a single unified storage system. A unified storage system, in its most basic form, is a group of dedicated hard drives that are attached directly to a network without the need of a server to control them. The advantages of unified storage are numerous:

- *Improved storage management* – a unified storage system will allow us to assign “chunks” of storage to applications and servers as it is needed. This gives us the flexibility to take excess storage that would otherwise go unused from one application or server and assign it to another application or server that is running short of storage space.
- *Faster backups and restores* – A unified storage system separates the data storage from the server that is using it so the impact of making a copy of that data for backup purposes is minimized.
- *Growth potential* – A unified storage system will allow us much more room for growth than traditional server based storage. Currently we are at the point that many of our servers are near capacity in terms of storage. A unified storage system will allow us to move critical data to it and re-task the freed up storage on servers for less critical applications such as software backups, etc.

After much research and price/feature comparison we have come to the conclusion that the NetApp FAS250 is the storage system best suited to the Village’s requirements. The FAS250 has a rich set of features, plenty of room for growth, and an expected reliability track record that couldn’t be matched by any other unit in it’s price range.

***Budget Amount Comments:*** This piece of equipment will be purchased from the computer equipment replacement fund that was established at the beginning of this fiscal year. Though this purchase was not discussed during the FY03-04 budget process last winter, the proposed data storage system has been deemed critical enough in terms of supporting the IS department’s ever-increasing demands for data storage to warrant its purchase in the fiscal year. Funding is available in the replacement fund as a result of the extremely favorable pricing that the Village received from the purchase of desktop computers earlier this fiscal year.

Competitive quotes were not available for this item because it is only available directly from the manufacturer and a group of authorized distributors. We worked directly with the manufacturer to obtain a government discount from the distributor for our region.

**ATTACHMENT:**

Please find attached detailed price quote.

**RECOMMENDATION:**

Approve purchase of NetApp FAS250 storage system as configured in attached price quote.





<b>Proposal for:</b>	<b>VILLAGE OF DOWNERS GROVE</b>	<b>Presented by:</b>	<b>Andy Matimore</b>
<b>Date:</b>	<b>2/5/2004</b>	<b>Deal ID:</b>	<b>206872r2</b>
<b>NetApp Fas250 Equipment Configuration</b>			

Qty	Mfg	Model	Description	Unit List	Ext List
1	NET WOR K APPL IANC E	FAS250- RK-BASE- C	FAS250 RK BASE APPLIANCE	\$8,690.00	\$8,690.00
1	NET WOR K APPL IANC E	SW- ONTAP- MIPS-E	SW BUNDLE, DATA ONTAP	\$0.00	\$0.00
1	NET WOR K APPL IANC E	SW-250- CIFS-C	CIFS SOFTWARE	\$4,700.00	\$4,700.00
1	NET WOR K APPL IANC E	SW-250- ISCSI-C	ISCSI SOFTWARE	\$1,410.00	\$1,410.00
1	NET WOR K APPL IANC E	CR-250- ISCSI- BNDL	ISCSI SOFTWARE BUNDLE CREDIT	(\$1,410.00)	(\$1,410.00)
9	NET WOR K APPL IANC E	X272A-C	72GB UNIVERSAL FC DISK DRIVE	\$1,100.00	\$9,900.00
2	NET WOR K APPL IANC E	X800E-C	POWER CABLE	\$0.00	\$0.00
7	NET	X502-C	STRG, CARR, SUBASSY-SHORT	\$0.00	\$0.00


**FORSYTHE**  
**SOLUTIONS**

Qty	Mfg	Model	Description	Unit List	Ext List
	WORK APPL IANCE				
1	NET WORK APPL IANCE	SVC-HW- NETAPP	HDW SERVICE	\$264.00	\$264.00
1	NET WORK APPL IANCE	SW-SSP- NETAPP	SFT SUBSCRIPTION	\$984.00	\$984.00
1	NET WORK APPL IANCE	DOC- FAS250- V6.4.1	DOC PKG, FAS250	\$200.00	\$200.00
					<b>\$24,738.00</b>

**Village of Downers Grove Sale Price:        \$20,904.00**